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BIBLIOGRAPHY FOR THERMAL NEUTRON SCATTERING
(SIXTH EDITION, 1979)

September, 1979

M. SAKAMOTO, J. CHIHARA, H. KADOTANI,* T. SEKIYA,**
Y. GOTOH, K. INOUE*** K. KURIYAMA**** and O. YODA

日 本 原 子 力 研 究 所
Japan Atomic Energy Research Institute

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BIBLIOGRAPHY FOR THERMAL NEUTRON SCATTERING (SIXTH EDITION, 1979)

Masanobu SAKAMOTO, Junzo CHIHARA, Hiroyuki KADOTANI*, Tamotsu SEKIYA**, Yorio GOTOH, Kazuhiko INOUE***, Kazuo KURIYAMA**** and Osamu YODA.
Japanese Nuclear Data Committee,
Japan Atomic Energy Research Institute.

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Bibliographic references are given for measurements, calculations, reviews and basic studies of thermal neutron scattering and dynamical properties of condensed matter. This is the sixth edition covering 3,326 articles collected up to 1978.

The edition being the final issue of the present bibliography series, a forthcoming edition will be published in a new form of bibliography.

Key Words: Bibliography, Thermal Neutron Scattering, Neutron Spectroscopy, Solid State Physics, Condensed Matters, Crystal Structures, Lattice Dynamics, Fluids, Solutions, Adsorptions, Structural Transitions

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* Century Research Center Co., Ltd, ** Osaka University,
*** Hokkaido University, **** Hosei University

熱中性子散乱文献集（改定第6版，1979）

坂本　正誠・千原　順三・角谷　浩享*・関谷　全**
後藤　頼男・井上　和彦***・栗山　一男****・依田　修

（1979年8月13日受理）

熱中性子散乱と，それに関連する凝縮系の動力学的性質についての測定，計算，論評や基礎的研究についての文献を集めた。1978年までに収集した3.326件を含む。これをこの一連の改定版の最終版とし，次の出版は新しい編集方式で行う予定である。

*　センチュリー・リサーチ・センター
**　大阪大学，***北海道大学，****法政大学

BIBLIOGRAPHY FOR THERMAL NEUTRON SCATTERING (SIXTH EDITION, 1979)

M. Sakamoto, J. Chihara, H. Kadotani, T. Sekiya, Y. Gotoh, K. Inoue, K. Kuriyama and O. Yoda.
Japanese Nuclear Data Committee,
Japan Atomic Energy Research Institute.
Tokai-mura, Ibaraki-ken, Japan.

INTRODUCTION

In the last two decades there has been a rapid expansion in the use of thermal neutron scattering techniques to investigate the properties of solids, liquids and gases. Since about ten years before, we have continued the compilation and publication of the bibliography for thermal neutron scattering, as one of the activities of Japanese Nuclear Data Committee, and published the first edition in 1968. They have provided useful materials for an up-to-date survey of the literatures on the investigations of condensed matters in the use of thermal neutron spectroscopy.

It contains bibliographical references to the literatures not only on the measurements

and calculations of thermal neutron scattering cross sections, but also on the basic studies of lattice, fluid and molecular dynamics in so far as they are concerned with thermal neutron scattering. It covers literatures published on journals, conference proceedings, report series and boods. However, as concerns the literatures on the magnetic scattering of thermal neutrons and the structure analysis by the neutron diffraction, the collections are only subsidiary in this bibliography.

This is the sixth edition of the bibliography which contains 3,326 literatures, including the literatures in the earlier edition and all additions collected up to 1978. They are ordered and classified by the computer system.

The earlier editions of the bibliography are as follows.

(1) Bibliography for Thermal Neutron Scattering, JAERI-4043 (1968).

(2) ibid. (Second Edition), JAERI-4043 (1969).

(3) ibid. (Third Edition, 1971), JAERI-M-4043 (Third Edition) (1971).

(4) ibid. (Fourth editions 1973), JAERI-M-5395 (1973).

(5) ibid. (Fifth Edition, 1976), JAERI-M-6857 (1976).

This issue is the last edition of this bibliography series, and a forthcoming edition will be published in the new version of the bibliography, in which the computer processing of

the data is carried out by the new program system.

ARRANGEMENT

The overall arrangement of the bibliography is divided into two parts indicated by the table of contents.

Part 1. List of Reference Numbers and Key Words:

In this part, every literature is listed under each kind of materials and specisl items for which it contains relevant informations. Thus, when any one article reports on a number of materials and items, it is listed for each material and item respectively. The material names are ordered alphabetically in each of five groups which are MONATOMIC ELEMENTS, ALLOYS, INORGANIC COMPOUNDS, ORGANIC COMPOUNDS and ADSORPTIONS AND SOLUTIONS, and the special items are listed in GENERAL ARTICLES. Each entry contains a reference number (70BR15 for example) which identifies the literature in the List of References of Part 2, the names of the first two authors and the key words.

Part 2, List of References:

This is a bibliography of all literatures, ordered by the year of publication and the

last name of the first author (the reference number). Each entry contains names of authors, title, reference and key words.

ACKNOWLEDGEMENT

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PART 2. LIST OF REFERENCES, ORDERED BY THE PUBLISHED YEAR AND THE FIRST AUTHOR NAME

PART 1

LIST OF REFERENCE NUMBERS AND KEY WORDS

CLASSIFIDE BY MATERIALS

1 GENERAL ARTICLES

1, 1 REVIEW-ARTICLES

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54-EG-02  EGELSTAFF, SCHOFIELD     REVIEW-ARTICLES ..REVIEW/ LIQUID DYNAMICS/ EXPERIMENTAL PRINCIPLES
59-EG-01  EGELSTAFF       REVIEW-ARTICLES ..NEUTRON SPECTROSCOPY
60-EG-01  EGELSTAFF       REVIEW-ARTICLES ..EXPERIMENTAL ARRENGEMENTS AND METHOD/ SCATTERING LAW MEASUREMENTS
61-NE-01  NELKIN          REVIEW-ARTICLES ..SCATTERING THEORY ..NEUTRON THERMALIZATION
62-FU-01  FURUKAWA        REVIEW-ARTICLES ..LIQUID/ EXPERIMENT/ NEUTRON SCATTERING ..RADIAL DISTRIBUTION/ X-RAY SCATTERIN
63-SI-02  SINGWI          REVIEW-ARTICLES ..THEORY ..MOESSBAUER EFFECT
63-WO-03  WOODS           REVIEW-ARTICLES ..LATTICE DYNAMICS/ SOLID/ EXPERIMENT ..NEUTRON SPECTROMETRY
64-BR-01  BROCKHOUSE, WOODS+     REVIEW-ARTICLES ..EXPERIMENT/ SOLID/ LIQUID
64-BR-02  BROCKHOUSE, HAUTECLER+     REVIEW-ARTICLES ..EXPERIMENT/ LALLICE DYNAMICS ..NEUTRON SPECTROSCOPY
64-BR-03  BROCKHOUSE      REVIEW-ARTICLES ..EXPERIMENT/ LATTICE DYNAMICS ..NEUTRON SPECTROSCOPY
64-NI-02  NIJBORE, KOKKEDEE     REVIEW-ARTICLES ..SCATTERING THEORY/ SOLID/ LIQUID ..(THIS IS TRANSLATED FROM NED. TIJDS
64-SJ-01  SJOELANDER      REVIEW-ARTICLES ..SCATTERING THEORY
65-EG-01  EGELSTAFF       REVIEW-ARTICLES ..THEORY/ EXPERIMENT ..BOOK
65-EG-02  EGELSTAFF       REVIEW-ARTICLES ..LIQUID
65-EG-03  EGELSTAFF, SCHOFIELD     REVIEW-ARTICLES ..LIQUID/ THEORY/ FREQUENCY SPECTRUM/ CORRELATION FUNCTION/ SCATTERIN
65-EG-04  EGELSTAFF, SCHOFIELD     REVIEW-ARTICLES ..REVIEW/ PHYSICAL PROPERTY/ TIME-DEPENDENT DISTRIBUTION/ NEUTRON EXP
65-LA-02  LARSSON         REVIEW-ARTICLES ..LIQUID/ MOLECULAR DYNAMICS
65-LO-01  LOMER           REVIEW-ARTICLES ..REVIEW/ NEUTRON SCATTERING/ LATTICE DYNAMICS
65-PA-03  PALEVSKY        REVIEW-ARTICLES ..EXPERIMENT/ MOLECULAR DYNAMICS
65-TU-02  TURCHIN         REVIEW-ARTICLES ..BOOK
65-ZY-01  JAPANESE NUCLEAR DATA COMMITTEE  +    REVIEW-ARTICLES ..CROSS SECTION EVALUATION
65-ZY-02  JAPANESE NUCLEAR DATA COMITTEE  +    REVIEW-ARTICLES ..EVALUATION/ SCATTERING LAW
66-EG-02  EGELSTAFF       REVIEW-ARTICLES ..LIQUID/ CORRELATION FUNCTION/ TRANSPORT PHENOMENA
66-LO-01  LOMER           REVIEW-ARTICLES ..REVIEW/ MAGNETIC SCATTERING/ SPIN WAVES/ CRITICAL SCATTERING/ DEFECT SCATTERI
66-PA-01  PALEVSKI        REVIEW-ARTICLES ..FILTER-CHOPPER METHOD/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION FUNCTION/
66-PA-03  PASKIN          REVIEW-ARTICLES/ AR/ NA/ CE/ RB ..LIQUID/ THEORY/ STRUCTURE FACTOR/ VELOCITY AUTOCORRELATION FU
66-VE-02  VENKATARAMAN     REVIEW-ARTICLES/ NEUTRON-SCATTERING-IN-FLUIDS ..LIQUID DYNAMICS
66-WI-01  WILLIAMS        REVIEW-ARTICLES ..BOOK
66-ZY-02  JAPAN ATOMIC ENERGY RESEARCH INSTITUTE  +    REVIEW-ARTICLES ..DYNAMICS OF SOLIDS AND LIQUIDS
67-BE-04  BEYSTER, NEIL     REVIEW-ARTICLES
67-CU-02  CUSACK          REVIEW-ARTICLES ..LIQUID METAL/ PHYSICAL PROPERTIES
67-DO-01  DOLLING         REVIEW-ARTICLES ..MOLECULAR DYNAMICS/ ANTHRACENE/ BENZENE/ CARBON DIOXIDE/ HEXAMETHYLENETETRAMI
67-EG-02  EGELSTAFF       REVIEW-ARTICLES ..LIQUID
67-EG-04  EGELSTAFF       REVIEW-ARTICLES/ NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING FUNCTION/ TRANSPORT PROPERTIES
67-EG-05  EGELSTAFF       REVIEW-ARTICLES ..LIQUID/ STRUCTURE/ TRANSPORT PROPERTIES/ NEUTRON SCATTERING
67-EG-06  EGELSTAFF       REVIEW-ARTICLES ..THEORETICAL BACKGROUND
67-GL-01  GLAESER         REVIEW-ARTICLES/ H2.O/ ZR-H/ GRAPHITE/ D2.O/ BE/ BE.O ..INCOHERENT APPROXIMATION/ MUTIPLE SCATT
67-NG-02  NG, BROCKHOUSE     BI-PB-TL/ ..PHONON DISPERSION/ ALLOY SYSTEM
67-PA-03  PALEVSKY        REVIEW-ARTICLES ..EXPLANATION ON NEUTRON INELASTIC SCATTERING
67-SA-01  SAFFORD, NAUMANN     REVIEW-ARTICLES ..EXPERIMENTAL REVIEW/ POLYMER/ TOF SPECTRUM/ FREQUENCY SPECTRUM
68-BO-05  BOUTIN, PRASK     REVIEW-ARTICLES ..WATER ADSORBED/ WATER IN BIOLOGICAL SYSTEMS
68-DA-03  DASANNACHARYA     REVIEW-ARTICLES ..MOLECULAR LIQUID/ MOLECULAR MOTION/ NEUTRON SCATTERING
68-PO-03  POWLES          REVIEW-ARTICLES ..TO COMPARE NMR WITH THAT OF NEUTRON SCATTERING
68-ZY-01  JAPAN ATOMIC ENERGY RESEARCH INSTITUTE  +    REVIEW-ARTICLES ..DYNAMICS OF SOLIDS AND LIQUFDS
69-BO-02  BOFFI, CAGLIOTI     REVIEW-ARTICLES ..LATTICE DYNAMICS
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69-BO-03  BOFFI, CAGLIOTI      REVIEW-ARTICLES ..LATTICE DYNAMICS/ EXPERIMENT/ TOF
69-BO-04  BOFFI, CAGLIOTI      REVIEW-ARTICLES ..LATTICE DYNAMICS/ IONIC CRYSTAL/ METAL/ FEROELECTRIC MATERIAL
69-BO-05  BOFFI, CAGLIOTI      REVIEW-ARTICLES ..NEUTRON SPECTROSCOPY/ LATTICE DYNAMICS
70-PA-04  PARKS, NELKIN+      REVIEW-ARTICLES ..BOOK/ THEORY/ EXPERIMENT/ NEUTRON SCATTERING/ REACTOR PHYSICS
70-RA-06  RAO            REVIEW-ARTICLES/ NEUTRON-SCATTERING-IN-FLUIDS ..ATOMIC CORRELATION/ LIQUID
70-SI-04  SINGH, PRAKASH      LI/ PB/ K/ CS/ ..THEORY/ LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION ..ALKALI METAL
70-VE-01  VENKATARAMAN, SAHNI      THEORY-OF-SOLIDS/ REVIEW-ARTICLES ..FORMAL THEORY/ MOLECULAR CRYSTAL/ COMPLEX IONIC CR
70-ZY-01  JAPAN ATOMIC ENERGY RESEARCH INSTITUTE  +    REVIEW-ARTICLES ..DYNAMICS OF SPIN SYSTEM AND POLYMER
71-HA-06  HARRYMAN, REYNOLDS+      REVIEW-ARTICLES ..DENSITY OF STATES/ PHONON/ AROMATIC CRYSTAL
71-MU-02  MUSIMOVICI      REVIEW-ARTICLES ..PROCEEDING OF THE INTERNATIONAL CONFERENCE, RENNES, FRANCE, 1971
72-AL-04  ALLEN           REVIEW-ARTICLES ..POLYMER CHAIN/ DYNAMICS
72-BA-09  BAUR            REVIEW-ARTICLES ..POLYMER-CRYSTAL/ PHONON/ DISPERSION CURVE/ THERMAL PROPERTIES
72-GH-01  GHATAK, KOTHARI      REVIEW-ARTICLES ..BOOK/ LATTICE DYNAMICS/ NEUTRON SCATTERING
72-HA-01  HANKE, BILZ      THEORY-OF-SOLIDS/ REVIEW-ARTICLES ..MICROSCOPIC THEORY/ PHONON/ METAL/ REVIEW
72-JA-03  JACROT, KROO+      REVIEW-ARTICLES ..SUMMARK OF THE SYMPOSIUM
72-LA-05  LARSSON         REVIEW-ARTICLES ..MOLECULAR DYNAMICS/ SIMPLE LIQUID
72-PA-05  PAWLEY          REVIEW-ARTICLES ..MOLECULAR CRYSTAL/ DYNAMICS
72-SP-01  SPRINGER        REVIEW-ARTICLES ..NEUTRON SCATTERING/ ORGANIC MOLECULAR CRYSTAL/ PHONON
72-WH-01  WHITE           REVIEW-ARTICLES ..NEUTRON SPECTROSCOPY/ SURFACE CHEMISTRY/ CATALYSIS
73-LA-01  LAROSE, VANDEWAL      REVIEW-ARTICLES ..STRUCTURE ANALYSIS/ MAGNETIC STRUCTURE/ PHONON/ MAGNON/ POLARIZED NEUTR
73-NA-01  NAKAHARA        GRAPHITE/ REVIEW-ARTICLES ..THEORY, SCATTERING LAW/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION/ D
73-PO-02  POWLES          REVIEW-ARTICLES ..STRUCTURE/ MOLECULAR LIQUID/ EXPERIMENT/ THEORY
73-RE-02  REISSLAND       REVIEW-ARTICLES ..BOOK
73-WI-01  WILLIS          REVIEW-ARTICLES ..BOOK/ CHEMICAL APPLICATION/ THERMAL NEUTRON SCATTERING
73-ZE-01  ZELLER          REVIEW-ARTICLES/ KCP/ TTF-TCNQ ..ONE-DIMENSIONAL CONDUCTOR/ KOHN-PEIERLS INSTABILITY
74-BE-02  BERTONI, BORTOLANI+      LI/ NA/ AL/ PB/ ..THEORY/ PHONON DISPERSION/ THIRD ORDER PERTURBATION THEORY
74-BO-01  BOETTGER        REVIEW-ARTICLES ..VIBRATIONAL PROPERTIES/ NON-CRYSTALLINE SOLIDS/ IR, RAMAN SPECTRA/ NEUTRON SC
74-GL-01  GLAESER         REVIEW-ARTICLES/ KCP/ TTF-TCNQ ..ONE-DIMENSIONAL CONDUCTOR/ KOHN-PEIERLS INSTABILITY
74-SC-07  SCOTT           REVIEW-ARTICLES ..THEORY/ EXPERIMENT/ SOLID/ STRVCTURAL PHASE TRANSITION/ NEUTRON SCATTERING/ I
75-BU-03  BURAS           REVIEW-ARTICLES ..T-O-F NEUTRON DIFFRACTION
75-IB-02  IBEL            REVIEW-ARTICLES/ INSTRUMENTS-AND-METHODS ..SMALL ANGLE SCATTERING/ ILL,GRENOBLE
75-WI-01  WILLIAMS        REVIEW-ARTICLES ..POLARIZATION ANALYSIS
76-AX-01  AXE             REVIEW-ARTICLES ..INCOMMENSURATE PHASE TRANSITION
76-CO-06  COOKE           REVIEW-ARTICLES ..MAGNETIC EXCITATION/ SPIN WAVE
76-DA-01  DAOUD           REVIEW-ARTICLES ..POLYMER SOLUTION/ SMALL ANGLE SCATTERING
76-EG-01  EGELSTAFF       REVIEW-ARTICLES ..LIQUID DYNAMICS/ SIMPLE FLUIDS/ NEUTRON SCATTERING
76-HO-04  HOUMANN, MOELLER      REVIEW-ARTICLES ..MAGNETIC EXCITATION/ REAE EARTH METAL/ INELASTIC NEUTRON DATA
76-JA-02  JACROT          REVIEW-ARTICLES ..BIOLOGICAL STRUCTURE/ SOLUTION/ NEUTRON SCATTERING
76-MO-02  MOON, KOEHLER+      REVIEW-ARTICLES/ CR/ V/ SC/ PD/ TI/ Y/ NB/ ..MAGNETIC FORM FACTOR
76-NA-01  NARTEN          REVIEW-ARTICLES ..STRUCTURE OF LIQUID/ MONATOMIC/ MOLECULAR FLUIDS
76-NI-02  NICKLOW         REVIEW-ARTICLES ..PHONON/ DEFECTS/ IRRADIATED CU/ CN IN KCL
76-PE-04  PETERSON, REIS-JR      REVIEW-ARTICLES ..PARTIALLY OXIDIZED PT CHAIN/ ONE DIMENSIONL COMPOUND
76-RO-02  ROWE            REVIEW-ARTICLES ..HYDROGEN IN METALS/ DIFFUSION/ PHONON DISPERSION/ STRUCTURE
76-SQ-01  SQUIRES         REVIEW-ARTICLES ..THERMAL NEUTRON SCATTERING/ SOLIDS/ CRYSTAL
77-SC-02  SCHELTEN        REVIEW-ARTICLES/ NEUTRON-SCATTERING-IN-SOLIDS ..SMALL ANGLE SCATTERING/ DIFFRACTION FROM FLUX L
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1, 2 NEUTRON-SCATTERING-IN-SOLIDS

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44-WE-01  WEINSTOCK       NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SOLID/ LATTICE DYNAMICS ..INELASTIC SCATTERING
50-CA-01  CASSELS         NEUTRON-SCATTERING-IN-SOLIDS ..THEORY
50-FR-01  FROEMAN         NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SOLIDS ..NEUTRON DIFFRACTION
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50-WA-01  WALLER, FROEMAN      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SOLIDS ..NEUTRON DIFFRACTION
54-PL-01  PLACZEK, VAN-HOVE      NEUTRON-SCATTERING-IN-SOLIDS ..SCATTERING THEORY/ SOLID/ LATTICE VIBRATION
55-GL-01  GLAUBER          NEUTRON-SCATTERING-IN-SOLIDS ..SCATTERING THEORY/ SOLID
55-KO-02  KOTHARI, SINGWI      NEUTRON-SCATTERING-IN-SOLIDS ..SCATTERING THEORY/ SOLID
55-PL-01  PLACZEK, VAN-HOVE      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY
56-SQ-01  SQUIRES          NEUTRON-SCATTERING-IN-SOLIDS/ AL ..THEORY/ LATTICE VIBRATION/ FREQUENCY DISTRIBUTION ..ENERGY D
57-SJ-01  SJOELANDER       NEUTRON-SCATTERING-IN-SOLIDS ..SCATTERING THEORY/ SOLIDS/ LATTICE VIBRATION
57-TU-01  TURCHIN          NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SOLID
59-BU-01  BURAS, O-CONNER      NEUTRON-SCATTERING-IN-SOLIDS ..REVIEW/ NEUTRON SPECTROSCOPY
59-KO-01  KOTHARI, SINGWI      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SOLID/ DISPERSION RELATION/ LATTICE DYNAMICS/ SIGMA
61-BA-01  BAYM             NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ LATTICE DYNAMICS/ SCATTERING FUNCTION
61-EL-01  ELLIOTT, STERN      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SOLID ..PHONON LIFE-TIME
61-KR-01  KRIEGER          NEUTRON-SCATTERING-IN-SOLIDS ..THEORY
61-MA-01  MARSHALL, STUART      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SIGMA(E) ..PLACZEK-S INCOHERENT APPROXIMATION
61-SC-01  SCALETTAR        NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SCATTERING FUNCTION
62-KO-01  KOKKEDDEE        NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ ELECTRON-PHONON INTERACTIONS
62-KO-02  KOKKEDEE         NEUTRON-SCATTERING-IN-SOLIDS ..THEORY,CRYSTAL,COHERENT SCATTERING,ANHARMONICITY
62-MA-03  MARADUDIN, FEIN      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY,ANHARONICITY ..ONE PHONON COHERENT SCATTERING/ PHONO
62-PU-03  PURCHIT          NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ NEUTRON SPECTRUM ..CRYSTAL
63-HA-02  HAHN             NEUTRON-SCATTERING-IN-SOLIDS ..ANHARMONICITY/ THEORY
63-KO-01  KOKKEDEE         NEUTRON-SCATTERING-IN-SOLIDS ..THEORY ..PHONON-PHONON INTERACTION/ ELECTRON-PHONON INTERACTION
63-TH-01  THOMSON          NEUTRON-SCATTERING-IN-SOLIDS ..ANHARMONICITY/ SOLID/ LATTICE DYNAMICS/ SCATTERING THEORY
64-MA-01  MARADUDIN, ANBEGAOKAR      NEUTRON-SCATTERING-IN-SOLIDS ..ANHARMONICITY/ SCATTERING FUNCTION/ LATTICE DYNAMICS/
64-MA-02  MARTIN           NEUTRON-SCATTERING-IN-SOLIDS ..SOLID/ THEORY
64-PE-01  PERETTI, JOUANIN      NEUTRON-SCATTERING-IN-SOLIDS ..SCATTERING THEORY ..POINT DEFECT
64-PE-02  PERETTI, JOUANIN      NEUTRON-SCATTERING-IN-SOLIDS ..SCATTERING FORMULA/ CRYSTAL/ POINT DEFECT
65-AK-01  AKCASU, OSBORN      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ ANHARMONICITY
65-CO-02  COCHRAN          NEUTRON-SCATTERING-IN-SOLIDS ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..METAL
65-CO-05  COWLEY           NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SOLID/ LATTICE DYNAMICS/ SCATTERING THEORY
65-EL-01  ELLIOTT, MARADUDIN      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ DISPERSION RELATION/ SOLID/ LATTICE DYNAMICS ..I
65-HA-01  HAHN             NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ MOLECULAR CRYSTAL DYNAMICS/ SCATTERING FUNCTION
65-SJ-01  SJOELANDER, JOHNSON      NEUTRON-SCATTERING-IN-SOLIDS ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
65-SL-01  SLATER           V/ SI/ CU/ NEUTRON-SCATTERING-IN-SOLIDS ..HARMONIC APPROXIMATION/ DEBYE APPROXIMATION
65-TO-02  TOYA             NEUTRON-SCATTERING-IN-SOLIDS ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..ELECTRON-
65-WA-01  WALLER           NEUTRON-SCATTERING-IN-SOLIDS ..ANHARMONICITY/ THEORY/ SOLID ..IMPURITY/ NEUTRON/ CRYSTAL/ MOESS
66-BR-01  BREDOV, KOTOV+      NEUTRON-SCATTERING-IN-SOLIDS ..FREQUENCY SPECTRUM/ SCATTERING THEORY
66-GI-03  GINZBURG, MALEEV      NEUTRON-SCATTERING-IN-SOLIDS ..SCATTERING THEORY ..NEUTRON SCATTERING BY CONDUCTION ELECT
66-KR-01  KRIVOGLAZ, TIKHONOVA      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY
67-EL-03  ELLIOT, TAYLOR      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ LATTICE DYNAMICS ..IMPURITY EFFECT
67-EL-05  ELLIOTT, THORPE      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY ..PHONON/ MAGNON/ GROUP THEORY
67-EN-01  ENGLMAN, RUPPIN      NEUTRON-SCATTERING-IN-SOLIDS ..LATTICE DYNAMICS
67-KR-01  KREBS, HOELZL      NEUTRON-SCATTERING-IN-SOLIDS ..LATTICE DYNAMICS/ THEORY/ DISPERSION RELATION ..METAL
67-LA-01  LAKATOS          NEUTRON-SCATTERING-IN-SOLIDS/ AL ..LATTICE DYNAMICS/ THEORY/ FREQUENCY DISTRIBUTION
67-MA-03  MARTIN           NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SOLID ..DEFECT SCATTERING
67-O'-01  O'CONNER         NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ DYNAMICAL THEORY
68-BO-04  BOUTIN, YIP      NEUTRON-SCATTERING-IN-SOLIDS/ NEUTRON-SCATTERING-IN-FLUIDS ..BOOK/ MOLECULAR DYNAMICS/ NEUTRON
68-BU-08  BUZANO, DEMICHELIS+      NEUTRON-SCATTERING-IN-SOLIDS ..SCATTERING THEORY/ GAS/ FREQUENCY DISTRIBUTION/ ..DIFFE
68-CO-01  COCHRAN          NEUTRON-SCATTERING-IN-SOLIDS ..LECTURE NOTE/ CORRELATION FUNCTION
68-CO-02  COCHRAN          NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ CORRELATION FUNCTION
68-CO-10  COWLEY           NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ LATTICE DYNAMICS ..MAGNETIC FIELD
68-DE-01  DE-WETTE, RAHMAN      NEUTRON-SCATTERING-IN-SOLIDS ..FREQUENCY DISTRIBUTION/ THEORY/ SOLID ..ONE-PHONON/ COHERE
68-JA-03  JANIK            NEUTRON-SCATTERING-IN-SOLIDS/ NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING BY MOLECULES/ LECTURES
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68-KO-01  KOHLER          NEUTRON-SCATTERING-IN-SOLIDS ..LATTICE DYNAMICS/ THEORY
68-KO-04  KOTHARI, GOYAL      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SOLID/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
68-MA-06  MARTIN          NEUTRON-SCATTERING-IN-SOLIDS ..SCATTERING THEORY ..SCATTERING CROSS SECTION BY INTERSTITIAL ATO
69-BL-01  BLAESSER, PERETTI+      NEUTRON-SCATTERING-IN-SOLIDS/ V ..THEORY/ HYDROGEN/ INTERSTITIAL ..NUMERICALS
69-CO-01  COCHRAN         NEUTRON-SCATTERING-IN-SOLIDS/ BA,TI,O3/ K,H2,P,O4/ NA,N,O2 ..THEORY/ DIELECTRIC/ CRITICAL SCATT
69-CO-08  COWLEY, SVENSSON+      NEUTRON-SCATTERING-IN-SOLIDS ..ANHARMONICITY
69-JA-01  JAISWAL, SHARMA     NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ ONE-PHONON COHERENT CROSS SECTION ..DOUBLE-TIME GRE
69-KR-02  KRIVOGLAZ       NEUTRON-SCATTERING-IN-SOLIDS ..BOOK
69-LA-01  LAKATOS, KRUMHANSL      NEUTRON-SCATTERING-IN-SOLIDS ..POINT-DEFECTS/ THEORY
69-RU-01  RUIJGROK, DE-WETTE+     NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ PAIR CORRELATION
70-AU-01  AUGST           NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ IMPURITY EFFECT/ CUBIC CRYSTAL/ PHONON
70-TA-01  TANI            NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ LATTICE VIBRATION/ GENERALIZED THEORY OF NEUTRON SCATTER
71-DZ-01  DZYUB, KOCHMARSKY       NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ LOCALIZED VIBRATION/ NUMERICAL CALCULATION
71-LE-02  LENK, SOLBRIG      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ MULTIPLE SCATTERING/ PERFECT CRYSTAL
71-MU-01  MURTAZIN        THEORY-OF-SOLIDS/ NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ INTERSTITIAL IMPURITIES/ TWO-TIME GREE
71-PL-01  PLAKIDA         NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SOLIDS/ LATTICE DYNAMICS/ ANHARMONICITY/ SCATTERING LAW
71-SO-03  SOLBRIG         NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ MULTIPLE SCATTERING/ PERFECT CRYSTAL
71-ST-01  STAMENKOVIC      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ FERROELECTRICS
71-ST-02  STAMENKOVIC      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ FERROELECTRICS
71-ST-04  STILLER, SPRINGER       NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ QUASI-ELASTIC SCATTERING/ RANDOM MOTION
72-DZ-02  DZYUB, KOCHMARSKY       NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ RESONANCE MODE/ FORCE CONSTANT CHANGE
72-GI-02  GISSLER         NEUTRON-SCATTERING-IN-SOLIDS ..HYDROGEN IN METAL
72-PL-01  PLAKIDA         NEUTRON-SCATTERING-IN-SOLIDS ..ANHARMONIC CRYSTAL/ ONE PHONON COHERENT CROSS SECTION
72-PU-01  PUSTOVOIT       THEORY-OF-SOLIDS/ NEUTRON-SCATTERING-IN-SOLIDS ..SEMICONDUCTOR/ SOUND-INSTABILITY CONDITION/ X-
72-SO-02  SOLBRIG         NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ MULTIPLE SCATTERING/ PERFECT CRYSTAL
72-TA-04  TANI            NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ NEUTRON SCATTERING BY PHONON/ PHASE TRANSITION
73-AM-01  AMARAL, VINHAS+      NEUTRON-SCATTERING-IN-SOLIDS/ POLYDIMETHYLSILOXANE ..EXPERIMENT/ SOLID/ T-O-F/ SIGMA (E)
73-CO-05  COPLEY          RB/ NEUTRON-SCATTERING-IN-SOLIDS ..ANHAMONICITY/ DISPERSION CURVE
73-GI-01  GISSLER, STUMP      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ DIFFUSION OF HYDROGEN IN METAL/ SCATTERING FUNCTION
73-KI-01  KIM, NELKIN      NEUTRON-SCATTERING-IN-SOLIDS ..DYNAMICAL STRUCTURE FACTOR/ DISORDERED SOLID/ THEORY
73-SA-04  SARMA, TEWARI      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SOLID/ SIGMA (E,E-PRIME,THETA)/ INCOHERENT APPROXIMAT
73-SC-02  SCHUSTER        NEUTRON-SCATTERING-IN-SOLIDS ..SUPERCONDUCTOR
74-AX-01  AXE             NEUTRON-SCATTERING-IN-SOLIDS ..INELASTIC COHERENT SCATTERING/ PHONON/ AMORPHOUS SOLIDS
74-TA-01  TANI            NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ STRUCTURAL PHASE TRANSITION/ MAGNETIC SYSTEM/ ANHARMONIC
75-AG-01  AGRANOVICH, LALOV       NEUTRON-SCATTERING-IN-SOLIDS ..NEUTRON-PHOTON INTERACTION/ CRYSTAL LATTICE
75-CA-02  CARPENTER, PELIZZARI      NEUTRON-SCATTERING-IN-SOLIDS ..SCATTERING LAW/ AMORPHOUS SOLID/ THEORY
75-CA-03  CARPENTER, PELIZZARI      NEUTRON-SCATTERING-IN-SOLIDS ..SCATTERING LAW/ THEORY
75-ST-01  STAMENKOVIC      NEUTRON-SCATTERING-IN-SOLIDS ..SLOW NEUTRON SCATTERING/ HYDROGEN BONDED FERROELECTRICS/ THEORY
76-AK-01  AKCASU, GUROL      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SCATTERING LAW/ QUASIELASTIC
76-BL-02  BLUME           NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ MAGNETIC SCATTERING/ POLARIZATION DEPENDENCE
76-HA-04  HANSEN, KLEIN      NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SOLID/ SIGMA(THETA,E)/ MOLECULAR DYNAMICS
76-SA-01  SACCHETTI, SELLONI      NEUTRON-SCATTERING-IN-SOLIDS/ MG,O ..THEORY/ SOLID/ FREQUENCY DISTRIBUTION
76-ST-08  STOCKMYER       NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ DIFFUSION/ ADSORBED HYDROCARBON
77-GA-01  GAIROLA, SEMWAL      NEUTRON-SCATTERING-IN-SOLIDS ..DISPLACIVE FERROELECTRICS/ LATTICE DYNMICS
77-GA-02  GARIROLA, SEMWAL      NEUTRON-SCATTERING-IN-SOLIDS ..DISPLACIVE FERROELECTRICS/ WELL ABOVE CURIE TEMP.
77-GU-01  GUROL           NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SCATTERING LAW/ POLYMER SOLUTION
77-HU-01  HUELLER         NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ FOUR PROTON GROUP (C,H4, N,H4)/ LIBRATIONAL STATE
77-KU-04  KUTNER, SOSNOWSKA      NEUTRON-SCATTERING-IN-SOLIDS ..H-METAL SYSTEM/ THEORY/ JUMP DIFFUSION
77-SC-02  SCHELTEN        REVIEW-ARTICLES/ NEUTRON-SCATTERING-IN-SOLIDS ..SMALL ANGLE SCATTERING/ DIFFRACTION FROM FLUX L
77-TE-01  TEMME           NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ CRYSTAL MESOPHASE
77-WO-01  WOLF            NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ DIFFUSION
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1. 3 NEUTRON-SCATTERING-IN-FLUIDS

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41-SA-01  SACHS, TELLER      NEUTRON-SCATTERING-IN-FLUIDS/ H2/ C,H4/ N,H3/ H2.O ..SCATTERING THEORY ..MOLECULAR GASES
51-PL-01  PLACZEK, NIJBOER+      NEUTRON-SCATTERING-IN-FLUIDS/ HG ..THEORY/ SIGMA(E,E-PRIME,THETA)/ SOLID/ LIQUID/ SCATTE
54-VA-01  VAN-HOVE        NEUTRON-SCATTERING-IN-FLUIDS ..THEORY
54-WI-01  WICK            NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING THEORY/ MOLECULAR DYNAMICS
56-KO-01  KOTHARI, SINGWI+      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID METAL/ QUASI-CRYSTALLINE MODEL
56-ZE-01  ZEMACH, GLAUBER     NEUTRON-SCATTERING-IN-FLUIDS ..MOLECULAR DYNAMICS/ SCATTERING THEORY
57-KR-01  KRIEGER, NELKIN     NEUTRON-SCATTERING-IN-FLUIDS/ C,H2/ H2,O ..SCATTERING THEORY ..MOLECULE
58-VA-01  VAN-HOVE        NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING THEORY/ LIQUID/ GAS
58-VI-01  VINEYARD        NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID DYNAMICS ..CONVOLUTION APPROXIMATION
59-DE-01  DE-GENNES       NEUTRON-SCATTERING-IN-FLUIDS/ AR ..SCATTERING THEORY/ ..LIQUID DYNAMICS/ MOMENTS METHOD
59-VO-01  VOLKIN, C.            NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ GAS/ MOLECULAR ROTATIONS/ SCATTERING THEORY
60-NE-02  NELKIN          NEUTRON-SCATTERING-IN-FLUIDS/ H2.O ..THEORY/ MOLECULAR DYNAMICS ..DIFFERENTIAL AND TOTAL CROSS
60-VI-01  VINEYARD        NEUTRON-SCATTERING-IN-FLUIDS ..THEORY
61-CH-01  CHUDLEY, ELLIOTT      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY ..LIQUID DYNAMICS/ JUMP DIFFUSION MODEL
61-DE-01  DE-GENNES       NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ NORMAL LIQUIDS
61-MO-01  MORALES-AMADO, OSBORN      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY
61-RA-01  RAHMAN, SINGWI+      NEUTRON-SCATTERING-IN-FLUIDS/ PB ..THEORY ..LIQUID DYNAMICS
61-RA-02  RAHMAN          NEUTRON-SCATTERING-IN-FLUIDS/ METHANE ..THEORY/ SCATTERING FUNCTION
61-RA-03  RAHMAN          NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ MOLECULAR DYNMICS/ C,H4
62-CO-02  COLE            NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ ELASTIC CROSS SECTION
62-EG-01  EGELSTAFF       NEUTRON-SCATTERING-IN-FLUIDS/ H2.O ..THEORY/ LIQUID ..LIQUID DYNAMICS
62-GL-01  GLAUBER         NEUTRON-SCATTERING-IN-FLUIDS ..THEORY
62-MC-02  MCMURRY         NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING THEORY/ GAS/ SCATTERING FUNCTION
62-PA-02  PARRY, TURNER      HE/ NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID/ SCATTERING LAW/ CORRELATION FUNCTION ..LI
62-RA-01  RAHMAN, SINGWI+      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY ..LIQUID DYNAMICS
62-RA-02  RAHMAN, SINGWI+      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY ..LIQUID DYNAMICS
62-YI-01  YIP, OSBORN      NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING THEORY/ LIQUID
63-AK-01  AKHIEZER, AKHIEZER+      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID ..FERMI LIQUID/ ZERO-SOUND/ SPIN
63-CO-06  COLE            NEUTRON-SCATTERING-IN-FLUIDS ..THEORY
63-OS-01  OSALSKII        NEUTRON-SCATTERING-IN-FLUIDS ..THEORY ..LIQUID DYNAMICS/ QUASI-CRYSTALLINE MODEL
63-SI-03  SINGWI, SJOELANDER+      NEUTRON-SCATTERING-IN-FLUIDS/ H2.O/ PB ..THEORY/ LIQUID/ FREQUENCY DISTRIBUTION/ SCATT
64-EG-01  EGELSTAFF       NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING LAW/ MEAN SQUARE DISPLACEMENT/ DIFFUSION PARAMETER/ L
64-FU-01  FULINSKI        NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING THEORY
64-NE-01  NELKIN, GHATAK      NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING FUNCTION ..DILUTE FLUID
64-SI-01  SINGWI          NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID DYNAMICS ..COHERENT SCATTERING/ WIDTH FUNCTION/ Q
64-YI-01  YIP, NELKIN      NEUTRON-SCATTERING-IN-FLUIDS ..CORRELATION FUNCTION/ LIQUID
64-ZW-01  ZWANZIG         NEUTRON-SCATTERING-IN-FLUIDS ..INCOHERENT APPROXIMATION/ SCATTERING THEORY/ SCATTERING LAW ..GE
65-DE-01  DE-GENNES       NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ QUASI-ELASTIC/ DILUTE POLYMER SOLUTIONS
65-FU-01  FULINSKI        NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING THEORY ..INCOHERENT SCATTERING FUNCTION
65-GI-01  GIBBS, FERZIGER     NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID/ MOLECULAR DYNAMICS ..KINETIC MODEL/ CORRELA
65-NE-01  NELKIN, VAN-LEEUWEN+      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY ..KINETIC THEORY
65-RA-01  RAHMAN          NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID
65-SE-01  SEARS           NEUTRON-SCATTERING-IN-FLUIDS/ AR ..LIQUID/ CORRELATION FUNCTION
65-SI-01  SIGMAR          NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING THEORY/ GAS ..SELF-CORRELATION FUNCTION
65-SI-05  SINGWI, ANDERSON     NEUTRON-SCATTERING-IN-FLUIDS ..KOHN EFFECT
65-TU-03  TURCHIN, TARASOV     NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING THEORY ..(ENGLISH TRANSLATION FOR THIS PAPER IS
65-YI-01  YIP, RANGANATHAN     NEUTRON-SCATTERING-IN-FLUIDS ..DILUTE GAS/ SCATTERING FUNCTION
66-AR-01  ARDENTE, NARDELLI+      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ CORRELATION FUNCTION/ SCATTERING FUNCTION ..HIND
66-AR-02  ARDENTE, NARDELLI+      NEUTRON-SCATTERING-IN-FLUIDS ..MOLECULAR DYNAMICS/ LIQUID/ THEORY/ FREQUENCY DISTRIBUTI
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66-DE-04  DESAI, NELKIN      NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING THEORY/ GAS/ CORRELATION FUNCTION ..NEUTRON DIFFUS
66-DO-03  DORNER           NEUTRON-SCATTERING-IN-FLUIDS ..EXPERIMENT/ LATTICE DYNAMICS/ MOLECULAR DYNAMICS/ DISPERSION REL
66-IV-01  IVANOV           NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ MOLECULAR DYNAMICS ..QUASI-ELASTIC SCATTERING
66-IV-02  IVANOV           NEUTRON-SCATTERING-IN-FLUIDS ..GENERAL-THEORIES
66-KU-02  KURI, SAUER      NEUTRON-SCATTERING-IN-FLUIDS ..MOLECULAR DYNAMICS ..LINEAR MOLECULES
66-NA-01  NAKAHARA, TAKAHASHI      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY ..LIQUID DYNAMICS
66-NA-02  NAKAHARA, TAKAHASHI      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY ..LIQUID DYNAMICS
66-NE-01  NELKIN, / YIP      NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING-LAW
66-PU-01  PUROHIT          NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING LAW/ THEORY/ LIQUID/ INCOHERENT APPROXIMATION ..QUASI
66-RA-01  RAHMAN           NEUTRON-SCATTERING-IN-FLUIDS/ AR ..LIQUID/ FREQUENCY DISTRIBUTION ..COMPUTER EXPERIMENT/ 85.5DK
66-SE-01  SEARS            NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING THEORY/ MOLECULAR ROTATIONS/ LIQUID/ THEORY ..HOMONUC
66-SE-02  SEARS            NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING THEORY/ MOLECULAR ROTATION/ LIQUID/ THEORY ..HOMONUCL
66-SE-03  SEARS            NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING THEORY/ LIQUID/ THEORY ..LAW OF CORRESPONDING STATES
66-SI-03  SINHA, VENKATARAMAN      NEUTRON-SCATTERING-IN-FLUIDS/ METHANE ..MOLECULAR DYNAMICS ..DIFFERENTIAL CROSS SECTIO
66-VE-02  VENKATARAMAN      REVIEW-ARTICLES/ NEUTRON-SCATTERING-IN-FLUIDS ..LIQUID DYNAMICS
67-DE-02  DESAI, YIP       NEUTRON-SCATTERING-IN-FLUIDS ..LIQUID/ THEORY ..SUM RULE
67-EG-04  EGELSTAFF        REVIEW-ARTICLES/ NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING FUNCTION/ TRANSPORT PROPERTIES
67-FE-01  FERZIGER, FEINSTEIN      NEUTRON-SCATTERING-IN-FLUIDS/ NA ..SCATTERING THEORY/ GAS/ LIQUID/
67-FE-02  FERZIGER, FEINSTEIN      NA/ NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID DYNAMICS
67-LU-01  LURIE            NEUTRON-SCATTERING-IN-FLUIDS ..MOLECULAR DYNAMICS/ GAS/ THEORY/ CROSS SECTION EVALUATION
67-RA-01  RAHMAN           NEUTRON-SCATTERING-IN-FLUIDS ..THEORY
67-ST-02  STECKI           NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID/ SCATTERING FUNCTION ..G(R,T)
68-AG-02  AGRAWAL, DESAI+      NEUTRON-SCATTERING-IN-FLUIDS/ AR/ NA/ PB/ METHANE ..THEORY ..MODEL CALCULATION
68-BO-04  BOUTIN, YIP      NEUTRON-SCATTERING-IN-SOLIDS/ NEUTRON-SCATTERING-IN-FLUIDS ..BOOK/ MOLECULAR DYNAMICS/ NEUTRON
68-BU-07  BUZANO, RASETTI      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ SCATTERING BY MOLECULE
68-CO-12  COWLEY           NEUTRON-SCATTERING-IN-FLUIDS ..TIME-OF-FLIGHT/ COLLECTIVE MODE
68-FR-02  FRANCHETTI       THEORY-OF-FLUIDS/ NEUTRON-SCATTERING-IN-FLUIDS ..MONATOMIC LIQUIDS/ RADIAL DENSITY/ SCATTERING
68-GL-03  GLASS, RICE      NEUTRON-SCATTERING-IN-FLUIDS/ AR ..THEORY/ LIQUID/ CORRELATION FUNCTION ..COHERENT-SCATTERING
68-GL-04  GLASS, RICE      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ CORRELATION FUNCTION/ DIFFERENTIAL SCATTERING CROSS SEC
68-JA-01  JACROT           NEUTRON-SCATTERING-IN-FLUIDS ..PHASE TRANSITION/ CRITICAL SCATTERING/ LECTURES
68-JA-03  JANIK            NEUTRON-SCATTERING-IN-SOLIDS/ NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING BY MOLECULES/ LECTURES
68-LA-02  LARSSON          NEUTRON-SCATTERING-IN-FLUIDS ..LIQUID DYNAMICS/ REVIEW
68-LA-03  LARSSON          NEUTRON-SCATTERING-IN-FLUIDS ..LIQUID/ DIFFUSION PARAMETER ..ROTAIONAL DIFFUSION/ TRANSLATIONAL
68-NE-02  NELKIN, ORTOLEVA      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID ..KINETIC THEORY/ COLLECTIVE MODES
68-NO-02  NORTH, ENDERBY+      NEUTRON-SCATTERING-IN-FLUIDS ..STRUCTURE FACTOR/ LIQUID ..NEUTRON DIFFRACTION/ LIQUID META
68-NO-04  NOSSAL           NEUTRON-SCATTERING-IN-FLUIDS ..LIQUID/ THEORY
68-PU-02  PUROHIT          NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID/ QUASI ELASTIC/ INCOHERENT
68-RA-01  RAHMAN           NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION
68-RI-01  RICHTER, VOSS      AR/ NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LINEARIZED VLASOV-BOLTZMAN EQUATION
68-SC-07  SCHOFIELD        NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ SCATTERING FUNCTION
68-SH-03  SHIMIZU          NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ FREQUENCY DISTRIBUTION/ CORRELATION FUNCTION/ LIQUID/ MO
68-SI-02  SINGWI, SKOELD+      NEUTRON-SCATTERING-IN-FLUIDS/ AR ..THEORY/ LIQUID/ MOLECULAR DYNAMICS
68-SI-03  SINGWI           NEUTRON-SCATTERING-IN-FLUIDS ..LIQUID DYNAMICS/ LECTURE NOTE
68-SY-01  SYKES            NEUTRON-SCATTERING-IN-FLUIDS ..LIQUID/ SCATTERING LAW/ DISPERSION RELATION/ THEORY
69-AG-01  AGRAWAL, YIP      NEUTRON-SCATTERING-IN-FLUIDS ..CROSS SECTION EVALUATION/ LIQUID ..MOLECULAR LIQUID
69-CH-03  CHUNG, YIP       NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ CORRELATION FUNCTION/ LIQUID
69-GY-01  GYORFFY, MARCH      NEUTRON-SCATTERING-IN-FLUIDS/ THEORY-OF-FLUIDS ..INTERMEDIATE SCATTERING FUNCTION/ LIQUID
69-HU-01  HUBBARD, BEEBY      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID
69-NE-01  NELKIN           NEUTRON-SCATTERING-IN-FLUIDS ..LIQUID/ THEORY/ CORRELATION FUNCTION/ STATISTICAL MECANICS ..RPA
69-NE-02  NELKIN           NEUTRON-SCATTERING-IN-FLUIDS ..THEORY
69-OR-01  ORTOLEVA, NELKIN      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID ..AUTO-CORRELATION FUNCTION/ SINGLE PARTICL
69-SC-01  SCHNEIDER, STOLL+      NEUTRON-SCATTERING-IN-FLUIDS/ AR ..DISPERSION
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70-LA-01  LADO            NEUTRON-SCATTERING-IN-FLUIDS ..VLASOV EQUATION1 THEORY ..TIME-DEPENDNT DIRECT CORRELATION FUNCT
70-OR-01  ORTOLEVA-JR      NEUTRON-SCATTERING-IN-FLUIDS ..VLASOV EQUATION/ THEORY
70-OR-02  ORTOLEVA, NELKIN      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ VLASOV EQUATION/ COLLECTIVE MODES
70-RA-06  RAO             REVIEW-ARTICLES/ NEUTRON-SCATTERING-IN-FLUIDS ..ATOMIC CORRELATION/ LIQUID
71-AI-01  AILAWADI, RAHMAN+      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ CURRENT-CORRELATION-FUNCTION ..GAUSSIAN-DECAY-MEM
71-BA-01  BAIJAL, CHATURVEDI      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ SCATTERING CROSS SECTION/ CLASSICAL LIQUID/ NON-
71-HA-02  HAMA, NAKAMURA      NEUTRON-SCATTERING-IN-FLUIDS/ METHANE ..THEORY/ MOLECULE/ GAS/ ROTATIONAL CORRELATION/ CROS
71-KI-01  KIM, NELKIN      NEUTRON-SCATTERING-IN-FLUIDS ..MORI-METHOD
71-LA-01  LARSSON         NEUTRON-SCATTERING-IN-FLUIDS ..RUASI-ELASTIC-PEAK/ THEORY ..UNCORRELATED TRANSLATIONAL AND ROTA
71-NA-01  NAKAHARA        NEUTRON-SCATTERING-IN-FLUIDS/ NA ..THEORY/ SCATTERING SIGMA/ LIQUID METAL
71-NI-06  NISHIGORI, SEKIYA      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ SCATTERING SIGMA/ MEAN-SQUARE DISPLACEMENT
71-NI-07  NISHIGORI, SEKIYA      NEUTRON-SCATTERING-IN-FLUIDS/ H.CL ..THEORY/ SCATTERING SIGMA/ GAS
71-RO-04  ROSCISZEWSKI      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ INCOHERENT/ QUESIELASTIC/ LIQUID CRYSTAL
72-KU-02  KUGLER          NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/CLASSICAL LIQUID/ INCOHERENT
72-LA-04  LARSSON         NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID/ DIFFUSION/ CENTER-OF-MASS MOTION/ ROTATIONAL MOT
72-SE-01  SEARS           NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID/ SCATTERING FUNCTION/ SCATTERING THEORY
73-BE-01  BEEBY           NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LONG-WAVELENGTH LIMIT/ SCATTERING FUNCTION
73-BE-02  BELL, KOLLMAR+      NE/ NEUTRON-SCATTERING-IN-FLUIDS ..EXPERIMENT/ LIQUID/ NEUTRON SPECTRUM ..COHERENT SCATTERI
73-KE-03  KERR, SINGWI      NE/ NEUTRON-SCATTERING-IN-FLUIDS ..QUANTUM EFFECT ..LARGE-Q-REGION
73-LA-02  LARSSON         NEUTRON-SCATTERING-IN-FLUIDS ..ROTATIONAL MOTION/ MOLECULE
73-MI-04  MISAWA, FUKUSHIMA+      BR/ NEUTRON-SCATTERING-IN-FLUIDS ..EXPERIMENT/ LIQUID/ T-O-F
73-OL-01  OLIVEI          NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ NEMATIC LIQUID CRYSTAL/ QUASI-ELASTIC PEAK
74-BA-01  BARKER, GASKELL      NEUTRON-SCATTERING-IN-FLUIDS/ RB ..TRIPLE-PEAKS
74-CO-03  COPLEY, ROWE      RB/ NEUTRON-SCATTERING-IN-FLUIDS ..DISPERSION CURVE/ ZERO SOUND/ LIQUID
74-PA-08  PARRINELLO, TOSI+      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ BINARY-MIXTURES/ ISOTOPIC-EFFECTS
74-RA-02  RAHMAN          RB/ NEUTRON-SCATTERING-IN-FLUIDS ..DISPESION CURVE/ ZERO SOUND
75-DI-01  DIANOUX, VOLINO+      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ SIMPLE DIFFUSION/ UNIAXIAL ROTATIONAL DIFFUSION/ R
75-DI-02  DIANOUX, VOLINO+      NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING LAW/ LIQUID CRYSTAL
76-BL-01  BLUM, NARTEN+      NEUTRON-SCATTERING-IN-FLUIDS/ C.CL4 ..THEORY/ NEUTRON DIFRACTION/ LIQUID/ SCATTERIN FUNCTION
76-CA-03  CARNEIRO        H2/ AR/ NEUTRON-SCATTERING-IN-FLUIDS/ NA ..FREQUENCY-SPECTRA
76-CO-07  COPLEY, RAHMAN      RB.BR / NEUTRON-SCATTERING-IN-FLUIDS ..MOLECULAR DYNAMICS/ SCATTERING-FUNCTION/ PAIR-CORREL
76-DU-03  DUVAL, DUPLESSIX+      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ SMALL-ANGLE/ COPOLYMER SOLUTION
76-HA-08  HAUS, MEIJER      NEUTRON-SCATTERING-IN-FLUIDS ..MBMORY-FUNCTION-METHOD/ THEORY
76-KA-02  KAHOL, BANSAL+      RB/ NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ MEMORY-FUNCTON-METHOD
76-LO-04  LOVESEY, SCHOFIELD      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ SCATTERING BY SMALL PARTICLES/ SCATTERING FUNCTI
76-SE-01  SEARS           NEUTRON-SCATTERING-IN-FLUIDS/ HE ..THEORY/ SCATTERING SIGMA/ ABSORBING MEDIA
76-TE-01  TEWARI, TEWARI      AR/ NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID ..85,2DK
77-BA-04  BANSAL, NAGHIZADEH      NEUTRON-SCATTERING-IN-FLUIDS/ THEORY-OF-FLUIDS/ RUBIDIUM ..COHERENT SCATTERING FUNCTION
77-MU-01  MUNAKATA, IGARASHI      NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ INCOHERENT SCATTERING FUNCTION
77-YO-02  YOSHIDA, TAKENO      THEORY-OF-FLUIDS/ NEUTRON-SCATTERING-IN-FLUIDS/ AR ..INCOHERENT SCATTERING FUNCTION/ CLASS
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1. 4 THEORY-OF-SOLIDS

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58-SJ-01  SJOELANDER      THEORY-OF-SOLIDS ..THEORY/ SOLID/ LATTICE DYNAMICS ..SCATTERING CROSS SECTION
63-BA-04  BARRON, LEADBETTER+      THEORY-OF-SOLIDS ..DEBYE-WALLER FACTOR/ THEORY
63-CO-02  COCHRAN, COWLEY      THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ THEORY
63-SQ-02  SQUIRES         THEORY-OF-SOLIDS ..INTERATOMIC FORCE CONSTANTS/ DISPERSION RELATION/ THEORY/ SOLID ..CUBIC CRYS
64-BA-01  BAYM            THEORY-OF-SOLIDS ..SCATTERING LAW
65-AK-02  AKCASU, OSBORN      THEORY-OF-SOLIDS/ SCATTERING-THEORIES ..DAMPING THEORY/ SCATTERING CROSS SECTION/ ANHARMONI
65-CH-01  CHAMPIER, TOUSSAINT      THEORY-OF-SOLIDS ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
65-CO-01  COCHRAN         THEORY-OF-SOLIDS ..DISPERSION RELATION/ THEORY/ SOLID
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65-CO-04  COWLEY, COWLEY      THEORY-OF-SOLIDS ..ANHARMONICITY/ THEORY ..ALKALI HALIDE
65-CZ-01  CZACHOR          THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ DISPERSION RELATION/ THEORY/ SOLID ..HEXAGONAL CLOSED PACK
65-DI-01  DICK             THEORY-OF-SOLIDS ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
65-HA-05  HARRISON         THEORY-OF-SOLIDS ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
65-JO-01  JOSHI, SHARMA      THEORY-OF-SOLIDS ..THEORY/ SOLID/ LATTICE DYNAMICS
65-KA-01  KAGAN, ZHERNOV      THEORY-OF-SOLIDS ..THEORY/ SOLID/ LATTICE DYNAMICS
65-LA-03  LAX              THEORY-OF-SOLIDS ..THEORY
65-LE-01  LEHMAN, WOLFRAM+      THEORY-OF-SOLIDS ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
65-MA-03  MARADUDIN        THEORY-OF-SOLIDS ..ANHARMONICITY/ THEORY ..HELMHOLTZ FREE ENERGY
65-PA-04  PATHAK           THEORY-OF-SOLIDS ..ANHARMONICITY/ DISPERSION RELATION/ THEORY ..GREEN FUNCTION
65-RO-03  ROSENSTOCK       THEORY-OF-SOLIDS ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
65-SI-02  SINGH, MANI+      THEORY-OF-SOLIDS ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..ALKALI METAL
65-SR-01  SRINIVASAN, RAO      THEORY-OF-SOLIDS ..THEORY/ SOLID/ LATTICE DYNAMICS
65-SR-02  SRIVASTAVA       THEORY-OF-SOLIDS ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..ELECTRON-PHONON INTER
65-SU-02  SUNAKAWA, / FUKUI      THEORY-OF-SOLIDS ..PSEUDOPOTENTIAL
66-BL-01  BLANK, KANER      THEORY-OF-SOLIDS ..THEORY/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS/ SOLID ..METAL
66-CO-03  COWLEY, COWLEY      K,BR/ NA,I/ THEORY-OF-SOLIDS ..THEORY/ ANHARMONICITY/ PHONON DISPERSION
66-CZ-01  CZACHOR          THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ THEORY/ SOLID/ DISPERSION RELATION ..METAL
66-DE-02  DELTOUR          THEORY-OF-SOLIDS ..BORN-VON KARMAN MODEL/ FREQUENCY SPECTRUM/ THEORY ..MOMENT METHOD/ MONTE CAR
66-GI-01  GILAT, RAUBENHEIMER      THEORY-OF-SOLIDS ..FREQUENCY DISTRIBUTION/ SOLID/ THEORY ..EXTRAPOLATION METHOD
66-MA-01  MAHAN            THEORY-OF-SOLIDS ..THEORY ..ELECTRON-PHONON INTERACTION
66-MI-01  MINTS            THEORY-OF-SOLIDS ..SOLID/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS ..DISORDERED LINEAR CHAIN
66-NU-01  NUSIMOVICI, BIRMAN      THEORY-OF-SOLIDS ..DISPERSION RELATION/ BORN-VON KARMAN MODEL/ THEORY ..SUM RULE/ WURTZ
66-PA-05  PAYTON           THEORY-OF-SOLIDS ..HARMONIC APPROXIMATION/ THEORY
66-PA-06  PAYTON, VISSCHER      THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION/ THEORY ..DISORDERED HARMONIC
66-RA-05  RASHBA           THEORY-OF-SOLIDS ..THEORY/ MOLECULAR DYNAMICS
66-SA-04  SAUER            THEORY-OF-SOLIDS ..MOLECULAR DYNAMICS/ SOLID
66-SL-01  SLATER           THEORY-OF-SOLIDS ..THEORY ..ELECTRON BAND/ GREEN FUNCTION
67-BA-03  BARKER-JR, VERLESER      THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ THEORY
67-DE-01  DEPLANTE         THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ THEORY/ DISPERSION RELATION ..CUBIC METAL/ KOHN EFFECT
67-GI-02  GILAT            CR/ FE/ W/ THEORY-OF-SOLIDS ..THEORY/ PHONON SPECTRA/ BCC METALS
67-IS-01  ISHIKAWA         THEORY-OF-SOLIDS ..ANHARMONIC CRYSTAL/ PHONON SHIFT AND DAMPING/ QUASI-HARMONIC APPROXIMATION
67-LO-01  LORD-JR          THEORY-OF-SOLIDS ..MAGNON-PHONON COUPLING
67-MA-01  MARSTON, DICK      THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ THEORY
67-OV-01  OVERTON-JR, SCHUCH      THEORY-OF-SOLIDS ..THEORY
67-PA-05  PATHAK, DEO      THEORY-OF-SOLIDS ..SOLID/ LATTICE DYNAMICS ..ANHARMONIC EFFECT
67-TA-02  TASUMI, ZERBI      THEORY-OF-SOLIDS ..FREQUENCY DISTRIBUTION/ RAMDOM POLYMER
67-TA-03  TAYLOR           THEORY-OF-SOLIDS ..CRYSTAL VIBRATION/ IMPERFECT CRYSTALS WITH DEFECTS
67-WA-01  WAGNER           THEORY-OF-SOLIDS ..THEORY/ LATTICE DYNAMICS
68-CH-02  CHEVEAU          THEORY-OF-SOLIDS ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..METAL
68-CO-07  COHEN, MARTIN+      THEORY-OF-SOLIDS ..LATTICE DYNAMICS ..FORCE CONSTANTS
68-DE-03  DELTOUR          THEORY-OF-SOLIDS ..FREQUENCY DISTRIBUTION/ THEORY/ SOLID ..CONTINUED FRACTION/ LINEAR CHAIN
68-HA-04  HARTMANN         THEORY-OF-SOLIDS ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..ALLOY/ IMPURITY EFFECT/ DOUB
68-HA-05  HAUTECLER, NEVE-DE-MEVERGNIES      THEORY-OF-SOLIDS ..LATTICE DYNAMICS ..METAL/ HEXAGONAL STRUCTURE
68-HO-01  HO               THEORY-OF-SOLIDS/ NA/ K ..DISPERSION RELATION/ THEORY/ LATTICE DYNAMICS
68-IY-01  IYENGAR          THEORY-OF-SOLIDS ..LATTICE DYNAMICS ..LECTURE NOTE
68-KA-01  KAGAN, BROVMAN      THEORY-OF-SOLIDS ..LATTICE DYNAMICS ..METAL/ ELECTRON CONTRIBUTION
68-KO-03  KOTHARI, SINGAL      THEORY-OF-SOLIDS ..THEORY/ LATTICE DYNAMICS
68-LE-02  LEIBFRIED        THEORY-OF-SOLIDS ..LECTURE NOTE
68-MA-01  MANNHEIM         THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ THEORY
68-SI-04  SINHA            THEORY-OF-SOLIDS ..THEORY/ LATTICE DYNAMICS ..METAL
68-WA-01  WAGNER           THEORY-OF-SOLIDS ..THEORY/ LATTICE DYNAMICS
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69-AU-01  AUGST, ZHERNOV      THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ IMPURITY EFFECT
69-CA-02  CARBOTTE, DYNES+      THEORY-OF-SOLIDS ..FORCE CONSTANTS ARE TAKEN FROM EXPERIMENTAL DISPERSION CURVES, ELECTRO
69-GA-01  GARCIA-COLIN, KOO      THEORY-OF-SOLIDS ..CRITICAL BEHAVIOUR/ SCALING LAW
69-GI-01  GILAT           THEORY-OF-SOLIDS ..LATTICE DYNAMICS ..ACCIDENTAL DEGENERACIES/ CUBIC CRYSTAL
69-LE-04  LEATH, GOODMAN      THEORY-OF-SOLIDS ..FREQUENCY SPECTRUM/ THEORY/ GREEN FUNCTION
69-MA-02  MARADUDIN, OITMAA      THEORY-OF-SOLIDS ..THEORY/ SOLID/ LATTICE DYNAMICS ..IMPURITY VIBRATION
69-OI-01  OITMAA, MARADUDIN      THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ IMPERFECT CRYSTAL ..CRYSTAL WITH EXTENDED POINT DEF
69-PL-01  PLAKIDA, SIKLOS      THEORY-OF-SOLIDS ..LINEAR CHAIN/ ANHARMONIC LATTICE/ FREQUENCY AND DAMPING
69-PL-02  PLAKIDA, SIKLOS      THEORY-OF-SOLIDS ..ANHARMONIC CRYSTAL/ DOUBLE-TIME GREEN FUNCTION/ FREQUENCY AND DAMPING
69-RA-01  RANNINGER       THEORY-OF-SOLIDS ..CORRELATION FUNCTION/ SECOND SOUND ..CRYSTAL LATTICE
69-SH-01  SHARAN, BAJPAI      THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ FORCE CONSTANT/ ELASTIC CONSTANT ..BODY CENTRED TETRAG
69-SI-02  SINHA           THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ SOLID/ THEORY
69-TO-02  TONG, MARADUDIN      THEORY-OF-SOLIDS ..THEORY
69-WU-01  WU, TAYLOR      THEORY-OF-SOLIDS ..THEORY/ FREQUENCY SPECTRUM/ CHAIN
70-AC-01  ACHAR, BARSH      THEORY-OF-SOLIDS ..THEORY ..DEFECT/ LOCALIZED MODE
70-BO-02  BOCCHIERI, SCOTTI+      THEORY-OF-SOLIDS ..THEORY ..ONE-DIMENSIONAL LATTICE/ ERGODICITY/ NUMERICAL STUDY/ CLASS
70-ID-01  IDA             THEORY-OF-SOLIDS ..ANHARMONICITY/ HEAT CAPACITY
70-JO-01  JOHNSON         THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ THEORY
70-KE-04  KERR, SJOELANDER      THEORY-OF-SOLIDS ..LATTICE DYNAMICS
70-KU-05  KUSHWAHA, RAJPUT      THEORY-OF-SOLIDS/ NA/ K ..PHONON DISPERSION CURVE/ METAL/ BCC
70-PL-01  PLAKIDA, SIKLOS      THEORY-OF-SOLIDS ..ANHARMONIC THREE DIMENSIONAL LATTICE/ F.C.C. LATTICE
70-RI-02  RIEDER          THEORY-OF-SOLIDS ..THEORY/ LIGHT IMPURITY MODE/ ESTIMATION OF FORCE CONSTANT CHANGE
70-RI-03  RIEDER          THEORY-OF-SOLIDS ..THEORY/ LIGHT IMPURITY MODE/ ESTIMATION OF FORCE CONSTANT CHANGE
70-SH-01  SHAPIRO         THEORY-OF-SOLIDS ..FREQUENCY DISTRIBUTION/ THEORY ..LATTICE DYNAMICAL CALCULATION OF LINDEMANN
70-SH-02  SHAPIRO, KNOPOFF      THEORY-OF-SOLIDS ..THEORY
70-SI-01  SIKLOS          THEORY-OF-SOLIDS ..THEORY/ ANHARMONICITY ..LINEAR CHAIN/ PSEUDOHARMONIC APPROXIMATION/ MORSE PO
70-SI-02  SIKLOS          THEORY-OF-SOLIDS ..THEORY/ SOLID/ ANHARMONICITY ..PSEUDOHARMONIC APPROXIMATION/ MORSE POTENTIAL
70-SI-03  SINGH, JOSHI      THEORY-OF-SOLIDS ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..PSEUDOPOTENTIAL/ ME
70-SL-01  SLAGGIE         THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ SOLID
70-TA-02  TAYLOR, WU      THEORY-OF-SOLIDS ..GLASS/ DISORDERED LATTICE/ FREQUECY SPECTRUM ..AMORPHOUS
70-VE-01  VENKATARAMAN, SAHNI      THEORY-OF-SOLIDS/ REVIEW-ARTICLES ..FORMAL THEORY/ MOLECULAR CRYSTAL/ COMPLEX IONIC CR
70-WE-03  WERTHAMER       THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ ANHARMONICS ..PRESSURE/ ELASTIC CONSTANT/ SPECIFIC HEAT
71-BU-02  BURSTEIN, MARADUDIN+      THEORY-OF-SOLIDS ..LYDDANE-SACHS-TELLER RELATIONS/ FINITE WAVE VECTOR
71-CH-02  CHEN, STEELE      THEORY-OF-SOLIDS ..THEORY/ MOLECULAR DINAMICS/ LINIER MOLECULE
71-HA-01  HALL, MATTEW      THEORY-OF-SOLIDS ..LATTICE VIBRATION/ ORDER-DISORDER TRANSFORMATION/ BINARY ALLOY
71-HU-01  HUELLER         THEORY-OF-SOLIDS/ ARGON/ KRYPTON/ XENON ..CAUCHY-RELATION
71-KL-01  KLEIN, BARKER+      THEORY-OF-SOLIDS/ AR ..4DK/ 40DK/ 77DK
71-KL-02  KLEIN           THEORY-OF-SOLIDS ..THEORY/ PHONON SPECTRUM/ BETA-TUNGSTEN COMPOUNDS
71-KU-04  KUSHWAHA, SINGH      THEORY-OF-SOLIDS/ CS ..THEORY/ PHONON DISPERSION
71-LE-01  LEIGH, SZIGETI+      THEORY-OF-SOLIDS ..THEORY/ FORCE CONSTANT/ PHONON FREQUENCY
71-MU-01  MURTAZIN        THEORY-OF-SOLIDS/ NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ INTERSTITIAL IMPURITIES/ TWO-TIME GREE
71-NA-02  NAMJOSHI, MITRA+      THEORY-OF-SOLIDS/ NA.F/ NA.CL ..LATTICE DYNAMICS/ DISPERSION RELATION/ RIGID ION MODEL US
71-PI-01  PICK            THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ MICROSCOPIC THEORY/ SHELL MODEL/ INSULATORS
71-PL-02  PLAKIDA         THEORY-OF-SOLIDS ..THEORY/ ANHARMONIC METAL/ PHONON SPECTRUM
71-RA-02  RAICH, ETTERS      THEORY-OF-SOLIDS ..THEORY/ FREQUENCY DISTRIBUTION FUNCTION ..ORIENTATIONAL ORDER DISORDER TR
71-SI-03  SINHA, GUPTA      THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ MICROSCOPIC APPROACH
71-SZ-01  SZIGETI         THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ FORCE CONSTANTS
71-TA-02  TAKENO, GODA      THEORY-OF-FLUIDS/ THEORY-OF-SOLIDS ..THEORY/ DISORDERED SYSTEM/ AMORPHOUS SOLID/ CLASSICAL LI
71-TO-02  TOMERS          THEORY-OF-SOLIDS ..LATTICE VIBRATION/ ALLOYS/ SHORT-RANGE ORDER
71-WA-04  WARSHEL         THEORY-OF-SOLIDS ..LATTICE VIBRATION/ MOLECULAR CRYSTAL/ ANHARMONICITY
72-AL-05  ALLEN           THEORY-OF-SOLIDS ..PHONON WIDTHS/ ELECTRON-PHONON INTERACTION/ SUPERCONDUCTIVITY
72-CO-05  COWLEY          THEORY-OF-SOLIDS/ SCATTERING-THEORIES ..THEORY/ PHONON/ ALLOYS/ ORDER-DISORDER STATE
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72-DZ-01  DZYUB, KOCHMARSKY      THEORY-OF-SOLIDS ,.PHONON DISPERSION/ WITH SUBSTITUTIONA IMPURITIES
72-HA-01  HANKE, BILZ      THEORY-OF-SOLIDS/ REVIEW-ARTICLES ,.MICROSCOPIC THEORY/ PHONON/ METAL/ REVIEW
72-HO-02  HORNER           THEORY-OF-SOLIDS/ HE/ NE ,.QUANTUM CRYSTALS/ PHONON SPECTRUM
72-HO-04  HOROVITZ, GUTFREUND+      THEORY-OF-SOLIDS ,.THEORY/ PHONON SPECTRUM/ EFFECT OF A PLANAR FERMI SURFACE
72-IS-01  ISHIBASHI, TAKAGI      THEORY-OF-SOLIDS ,.COMPUTER EXPERIMENT/ DYNAMICS/ LINEAR CHAIN/ DOUBLE MINIMUM
72-JA-02  JACOBI           THEORY-OF-SOLIDS ,.THEORY/ LATTICE DYNAMICS ,.TRANSLATIONAL AND LIBRATIONAL MODES
72-KA-06  KANAMORI         THEORY-OF-SOLIDS ,.JAHN-TELLER EFFECT/ PHONON
72-LI-01  LITZMAN, BARTINSEK+      THEORY-OF-SOLIDS ,.LATTICE DYNAMICS/ DEFECT/ LONG RANGE INTERACTION/ GREEN FUNCTION
72-NA-02  NAKAMURA, YONEZAWA      THEORY-OF-SOLIDS ,.THEORY/ DISORDERED SYSTEM/ PHONON FREQUENCY SPECTRA
72-NA-04  NAMAIZAWA        THEORY-OF-SOLIDS ,.THEORY/ QUANTUM LATTICE DYNAMICS/ PHONON DISPERSION
72-PA-04  PASZKIEWICZ      THEORY-OF-SOLIDS ,.THEORY/ SOLID/ ANHARMONICITY ,.ELASTIC CONSTANTS
72-PA-06  PAWLEY           THEORY-OF-SOLIDS ,.THEORY/ MOLECULAR LATTICE DYNAMICS/ ANALYTIC FORMULATION/ PAIR POTENTIAL
72-PU-01  PUSTOVOIT        THEORY-OF-SOLIDS/ NEUTRON-SCATTERING-IN-SOLIDS ,.SEMICONDUCTOR/ SOUND-INSTABILITY CONDITION/ X-
72-RU-02  RUVALDS, TUETTO+      THEORY-OF-SOLIDS ,.THEORY/ RESONANCE STATE OF TWO PHONONS
72-SH-01  SHAM             THEORY-OF-SOLIDS ,.THEORY/ SOLID/ LATTICE DYNAMICS/ ELASTIC CONSTANT ,.METAL
72-SH-02  SHAM             NB3,SN/ THEORY-OF-SOLIDS ,.THEORY/ SOLID/ LATTICE DYNAMICS
72-SH-05  SHAWYER, DEAN      THEORY-OF-SOLIDS ,.THEORY/ SOLID/ LATTICE DYNAMICS/ FREQUENCY SPECTRUM/ BORN-VON KARMAN MODE
72-SI-05  SINGH            THEORY-OF-SOLIDS ,.THEORY/SHELL MODEL
72-TA-02  TAKENO, GODA      THEORY-OF-SOLIDS/ THEORY-OF-FLUIDS/ HE ,.THEORY/ PHONON-LIKE EXCITATION
72-TO-01  TOKUNAGA         THEORY-OF-SOLIDS ,.LATTICE VIBRATION/ DIPOL INTERACTION/ PEROVSKITE STRUCTURE
72-TR-01  TRICKEY, WITRIOL+      THEORY-OF-SOLIDS ,.THEORY/ SELF-CONSISTENT HARMONIC TREATMENT/ HARD-CORE QUANTUM CRYSTAL
72-WA-01  WAEBER           GA/ THEORY-OF-SOLIDS ,.THEORY/ SOLID/ LATTICE DYNAMICS ,.METAL/ ORTHORHOMBIC
72-YA-02  YAMADA           THEORY-OF-SOLIDS ,.SPIN-PHONON INTERACTION/ LATTICE INSTABILITY
73-AS-01  ASKAR            THEORY-OF-SOLIDS ,.THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ ANHARMOCITY ,.MONOATOMIC CHAI
73-BO-01  BOETTGER         THEORY-OF-SOLIDS ,.THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ,.DISORDERED LATTICE/ DYSON EQ
73-CO-01  COCHRAN          THEORY-OF-SOLIDS ,.THEORY/ SOLID/ LATTICE DYNAMICS
73-CZ-01  CZACHOR          THEORY-OF-SOLIDS ,.THEORY/ LATTICE DYNAMICS ,.SHELL MODEL
73-GE-01  GERVAIS          THEORY-OF-SOLIDS ,.QUARTZ
73-HO-02  HONG, KOPELMAN      THEORY-OF-SOLIDS ,.COHERENT POTENTIAL APPROXIMATION/ DISORDERED MOLECULAR SOLIDS/ INTERACTI
73-LI-01  LITZMAN, ROZSA      THEORY-OF-SOLIDS ,.THEORY/ LATTICE DYNAMICS ,.POINT DEFECT/ GREEN.S FUNCTION/ LOCAL MODE
73-LO-03  LOLY             THEORY-OF-SOLIDS ,.THEORY/ SOLID/ FREQUENCY SPECTRUM
73-ME-01  MEIER            NB3.SN/ SR.TI.O3/ THEORY-OF-SOLIDS ,.THEORY/ ANHARMONICITY ,.SINGULAR WIDTH GAMMA/ QUASI-PARTIC
73-PO-01  POHL, LOVE+      THEORY-OF-SOLIDS ,.SPECIFIC HEAT/ NON-CRYSTALLINE
73-SC-01  SCHMID, HOELZL      THEORY-OF-SOLIDS ,.LOCALIZED MODE
73-SO-02  SOMA             THEORY-OF-SOLIDS ,.METAL/ ELASTIC CONSTANT/ STATIC AND DYNAMICAL
73-WA-01  WARREN, WORLTON      THEORY-OF-SOLIDS ,.SYMMETRY PROPERTY/ COMPUTER ANALYSIS/ 23 CRYSTALS
74-AL-06  ALTSHULER, VEKILOU+      THEORY-OF-SOLIDS/ ZN.S ,.PHONON DISPERSION/ RIGID ION MODEL
74-BA-02  BARRON, GIBBONS      THEORY-OF-SOLIDS ,.THERMAL-EXPANSION ,.QUASIHARMONIC-LATTICE
74-BA-03  BARRON, GIBBONS      THEORY-OF-SOLIDS ,.DISPERSION-CURVES ,.QUASIHARMONIC-LATTICE/
74-BA-04  BARRON, GIBBONS      THEORY-OF-SOLIDS ,.DISPERSION-CURVES ,.QUASIHARMONIC-LATTICE
74-BO-02  BORSTNIK, AZMAN      THEORY-OF-SOLIDS ,.FREQUENCY SPECTRA/ HYDROGEN BOND/ DISORDERED CHAIN
74-CH-04  CHEVYCHELOV, LIFSHITS      THEORY-OF-SOLIDS ,.POINT-DEFECTS/ LATTICE-DISTORTION/ VACANCY,
74-CO-01  COHEN, KLEIN      THEORY-OF-SOLIDS ,.THEORY/ SOLID/ LATTICE DYNAMICS/ FREQUENCY SPECTRUM ,.IMPURITY/ METAL/ RAR
74-GR-03  GRUNEWALD, SHARNBERG      THEORY-OF-SOLIDS ,.THEORY/ LIFE TIME/ ,.ELECTRON-PHONON INTERACTION/ IMPURITIES/ PHON
74-HO-02  HOROVITZ, WEGER      THEORY-OF-SOLIDS ,.PHONON DISPERSION/ CHAIN CRYSTAL
74-IO-01  IOSILEVSKII      THEORY-OF-SOLIDS ,.SPECTRAL DISTRIBUTION/ PLATE/ EFFECT OF SURFACE
74-JA-01  JAIN, JAIN       THEORY-OF-SOLIDS ,.THEORY/ PSEUDOPOTENTIAL FORM FACTOR/ SIMPLE METALS
74-JO-02  JOHNSON          THEORY-OF-SOLIDS ,.LATTICE DYNAMICS/ BOND CHARE MODEL
74-JO-03  JOHNSON, MOORE      THEORY-OF-SOLIDS/ DIAMOND/ SI ,.PHONON DISPERSION/ BOND CHARGE MODEL
74-KU-01  KUENER           THEORY-OF-SOLIDS ,.LATTICE DYNAMICS
74-LU-02  LUTY, PAWLEY      THEORY-OF-SOLIDS ,.THEORY/ SOLID/ LATTICE DYNAMICS ,.SHELL MODEL
74-MI-01  MITSKEVICH       THEORY-OF-SOLIDS ,.THEORY/ LATTICE DYNAMICS ,.NON.CONDUCTING CRYSTAL/ DENSITY MATRIX
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74-PA-01  PAINTER, HARTMAN      THEORY-OF-SOLIDS ..VIBRATIONAL SOECTRA
74-PA-09  PAWLEY          THEORY-OF-SOLIDS ,,PHONON SYMMETRY/ SPACE GROUP
74-SC-03  SCHOFIELD       THEORY-OF-FLUIDS/ THEORY-OF-SOLIDS ..THEORY/ CORRELATION FUNCTION
74-SC-05  SCHWABL         THEORY-OF-SOLIDS ..PHASE TRANSITION/ A.B.O3 PERVOSKITE STRUCTURE
74-SC-06  SCHWABL         THEORY-OF-SOLIDS ..PHASE TRANSITIONS
74-SE-01  SEN, HARTMANN      THEORY-OF-SOLIDS ..THEORY/ PHONON/ MASS-DISORDERED SYSTEM/ COHERENT-POTENTIAL/ ONE-DIMENSION
74-TE-02  TEWARY          THEORY-OF-SOLIDS ..THEORY/ SOLID/ LATTICE DYNAMICS ..GREEN FUNCTION/ SKREW DISLOCATION
74-TR-01  TRIPATHI, BEHERA      THEORY-OF-SOLIDS ..GREEN-FUNCTION
75-BA-02  BARKER, GASKEL      THEORY-OF-SOLIDS/ HE ..THEORY/ LIQUID/ CURREN CORRELATION FUNCTION/ SCATTERING LAW
75-BR-01  BRAETER, PRIEZZHEV      THEORY-OF-SOLIDS ..THEORY/ PHONON FREQUENCY SPECTRUM/ DIATOMIC CHAIN/ COHERENT POTENTIA
75-EG-01  EGGARTER        THEORY-OF-SOLIDS ..EXACT FORMALISM/ PHONON FREQUENCY/ MIXED CHAIN
75-HE-03  HEIMENDAHL, THORPE      THEORY-OF-SOLIDS ..PHONON SPECTRA/ METALLIC GLASSES
75-HO-02  HORIGUCHI, MORITA      THEORY-OF-SOLIDS ..THEORY/ SOLID/ GREEN.S FUNCTION ..CUBIC LATTICE
75-KU-05  KUNC, BALKANSKI+      THEORY-OF-SOLIDS/ ZN.S/ SI.C/ AL.SB/ GA.AS/ GA.SB/ IN.SB/ ZN.SE/ ZN.TE/ CD.TE/ CU.I/ CU.B
75-MA-02  MARTIN          THEORY-OF-SOLIDS ,,ELASTIC CONSTANT
75-MA-03  MARTIN          THEORY-OF-SOLIDS ,,INNER ELASTIC CONSTANTS/ NONCENTROSYMMETRIC CRYSTALS
75-MA-04  MARTIN          THEORY-OF-SOLIDS ,,ELASTIC CONSTANT/ DIAMOND STRUCTURE
75-ME-02  MEN, LADYEHINSKII      THEORY-OF-SOLIDS ..PHONON SPECTRUM/ ONE-DIMENSIONAL/ TRIATOMIC
75-OH-01  OHASHI, OHASHI+      THEORY-OF-SOLIDS/ CU-AU ..DILUTE ALLOY/ PHONON SHIFT AND WIDTH
75-PO-03  POSTON, BUDGER      THEORY-OF-SOLIDS ..THEORY/ FREQUENCY SPECTRUM
75-SA-02  SAHOO, VENKATARAMAN      THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ MOLECULAR IMPURITY
75-SR-03  SRIVASTAVA      THEORY-OF-SOLIDS ,,ANHARMONIC PHONON/ COLLISION OPERATOR
75-TA-01  TAKAHASHI       THEORY-OF-SOLIDS ,,COUPLED SYSTEM/ DAMPING
75-TI-01  TINDEMANS-VAN-EIJNDHOVEN, KROESE      THEORY-OF-SOLIDS ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
75-WE-04  WESTERA, COWLEY      THEORY-OF-SOLIDS ..ANHARMONIC SOLID/ CELL-CLUSTER EXPANSION/ THERMODYNAMIC PROPEETIES
75-ZH-02  ZHIDKOV, TRETYAKOV      THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ NON-CENTRAL FORCE/ THEORY
76-BE-07  BERTOLO, SHUKLA      THEORY-OF-SOLIDS ..DEBYE-WALLER FACTOR/ BHATIA'S MODEL
76-BO-02  BOHRA, GUPTA      THEORY-OF-SOLIDS/ AR/ KR/ XE ..THEORY/ SOLID/ LATTICE DYNAMICS ..KIHARA POTENTIAL/ PHONON GRE
76-FR-01  FREEMAN         THEORY-OF-SOLIDS/ GD/ SC/ PD/ PT ..MAGNETIC FORM FACTORS/ METAL
76-FU-01  FUKUDA          THEORY-OF-SOLIDS ,,LOCALIZED, RESONANCE PHONON MODE
76-GE-01  GENZEL, BAUHOFER      THEORY-OF-SOLIDS ..MIXED CRYSTAL/ PHONON DISPERSION/ A.B(1-X).C(X) TYPE
76-GL-01  GLASS           THEORY-OF-SOLIDS ,,LATTICE DYNAMICS/ SCREW DISLOCATION
76-GO-07  GOYAL, SARKER+      THEORY-OF-SOLIDS ..DISPERSION RELATION/ SHELL MODEL/ TRANSITION METAL/ THEORY
76-HA-02  HALL, FAULKNER      THEORY-OF-SOLIDS ,,AMORPHOUS SOLID/ SPECTRAL DENSITY
76-HA-03  HANKE, HAFNER+      THEORY-OF-SOLIDS/ NB.C ..THEORY/ TRANSITION METAL COMPOUND/ PHONON DISPERSION
76-KE-01  KEHR, RICHTER      THEORY-OF-SOLIDS ..INCOHERENT SCATTERING LAW/ AVERAGE-T-MATRIX APPROX.
76-LO-05  LOVESEY, LOVELUCK      THEORY-OF-SOLIDS ..RESPONSE FUNCTION/ CLASSICAL PARAMAGNET/ APPLIED FIELD
76-MO-04  MOSTOLLER, WOOD      THEORY-OF-SOLIDS ..RESONANT MODES/ COMPLEX DEFECTS
76-NI-03  NIEDERMANN, WAGNER      THEORY-OF-SOLIDS ..LATTICE DYNAMICS/ SHELL MODEL/ QUANTUM MECHANICAL APPROXIMATION
76-OL-01  OLI, ANIMALU      THEORY-OF-SOLIDS/ V ..THEORY/ PHONON DISPERSION
76-RE-02  REITER, TZOAR      THEORY-OF-SOLIDS ..SOFT-OPTICAL-MODE/ CENTRAL-PEAK
76-SA-03  SAKALSKI        THEORY-OF-SOLIDS ,,LATTICE DYNAMICS/ ISOTROPY SHIFT
76-VA-03  VARMA           THEORY-OF-SOLIDS ,,SOLITON ..CENTRAL-PEAK/ DISLOCATION
77-GO-01  GODAR           THEORY-OF-SOLIDS ,,CELLULAR DISORDERED SYSTEM/ CLUSTER THORY
77-JO-02  JOHNSON, WILKINS      THEORY-OF-SOLIDS ..THEORY/ SOLID ..NUMERICAL CALCULATION/ ANHARMONIC AND NON-HARMONIC VIB
77-LE-02  LEIHKAUF, BOETTGER      THEORY-OF-SOLIDS ..DISORDERED SYSTEM/ PHONON-LIKE EXCITATION
77-MI-02  MINGA, PATHAK      THEORY-OF-SOLIDS ..ANHARMONIC EFFECT/ PHONON NUMBER DENSITY/ NE
77-OP-01  OPIE, GRINDLAY      THEORY-OF-SOLIDS
77-PA-03  PAWLEY, LEECH      THEORY-OF-SOLIDS ..THEORY/ DYNAMICAL SHELL MODEL/ MOLECULAR CRYSTAL
77-PL-01  PLAKIDA, SIKLOS      THEORY-OF-SOLIDS ..ANHARMONICITY/ LATTICE DYNAMICS/ PHASE TRANSITION
77-RA-03  RAI, HEMKAR      LI/ NA/ K/ RB/ THEORY-OF-SOLIDS ..PHONON DISPERSION/ ALKALI METAL
77-VA-03  VARMA, WEBER      THEORY-OF-SOLIDS/ NB/ NB-MO/ MO ..LATTICE DYNAMICS/ PHONON DISPERSION/ 4D BCC METAL
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77-WA-01 WAKABAYASHI THEORY-OF-SOLIDS/ NB/ MO ..PHONON DISPERSION/ TRANSITION METAL/ CHARGE FLUCTUATION

1. 5 THEORY-OF-FLUIDS

59-SW-01 SWALIN THEORY-OF-FLUIDS ..DIFFUSION/ FLUCTUATION THEORY
60-VI-02 VINEYARD THEORY-OF-FLUIDS ..KINETIC THEORY/ TWO TIMES/ TWO BODYS
61-RI-01 RICE, ALLNATT THEORY-OF-FLUIDS ..LIQUID DYNAMICS
63-DE-01 DE-BAR THEORY-OF-FLUIDS ..THEORY/ CORRELATION FUNCTION/ CRYSTAL/ LQUID
63-KA-01 KADANOFF, MARTIN THEORY-OF-FLUIDS ..LIQUID/ CORRELATION FUNCTION
64-NO-01 NOSSAL THEORY-OF-FLUIDS ..THEORY/ LIQUID
65-WE-01 WEINSTOCK THEORY-OF-FLUIDS ..AUTOCORRELATION FUNCTION
66-DE-06 DESAI THEORY-OF-FLUIDS ..GAS/ CORRELATION FUNCTION/ THEORY ..NON-GAUSSIAN CORRECTION/ MONATOMIC GAS
66-EF-01 EFROS THEORY-OF-FLUIDS ..THEORY/ LIQUID ..SELF-DIFFUSION
66-ZW-01 ZWANZIG THEORY-OF-FLUIDS ..STATISTICAL MECHANICS/ GAS/ LIQUID/ SOLID/ THEORY ..LIOUVILLE OPERATOR
67-BE-02 BERNE, FRISCH THEORY-OF-FLUIDS ..LIQUID/ THEORY ..HIGH-FREQUENCY RESPONCE
67-BO-01 BOON, RICE AR/ THEORY-OF-FLUIDS ..THEORY/ LIQUID ..MOMENTUM AUTO-CORRELATION FUNCTION
67-LE-01 LEBOWITZ, PERCUS THEORY-OF-FLUIDS ..LIQUID DYNAMICS
67-SC-02 SCHCROFT, MARCH THEORY-OF-FLUIDS/ AR ..THEORY
67-SC-03 SCHNEIDER, STOLL+ THEORY-OF-FLUIDS ..COLLECTIVE EXCITATION/ LIQUID METAL/ DISPERSION CURVE
67-SI-02 SINGWI, TOSI THEORY-OF-FLUIDS/ ARGON ..THEORY/ LIQUID ..VELOCITY AUTO-CORRELATION
68-BR-02 BROWN, MARCH THEORY-OF-FLUIDS ..CORRELATION FUNCTION/ FREQUENCY SPECTRA/ MASS EFFECT/ ALLOYS
68-DA-02 DAMLE, SJOELANDER+ THEORY-OF-FLUIDS ..LIQUID/ FREQUENCY SPECTRUM/ THEORY ..ITINERANT-OSCILLATOR-MODEL
68-EN-01 ENDERBY, NORTH THEORY-OF-FLUIDS/ NA-K ..STRUCTURE FACTOR/ ALLOY LIQUID/ PERCUS-YEVICK
68-FO-01 FORSTER, MARTIN THEORY-OF-FLUIDS ..LIQUID/ THEORY/ CORRELATION FUNCTION ..FOURTH-FREQUENCY-MOMENT/ SUM RUL
68-FO-02 FORSTER, MARTIN+ THEORY-OF-FLUIDS ..LIQUID/ CORRELATION FUNCTION ..ARGON/ VISCOSITY/ MOMENT METHOD
68-FR-02 FRANCHETTI THEORY-OF-FLUIDS/ NEUTRON-SCATTERING-IN-FLUIDS ..MONATOMIC LIQUIDS/ RADIAL DENSITY/ SCATTERING
68-GL-05 GLASS, RICE THEORY-OF-FLUIDS ..LIQUID/ CORRELATION FUNCTION/ THEORY/ NEUTRON SCATTERING ..ONE-PARTICLE AND
68-GR-03 GROSS, WISNIVESKY THEORY-OF-FLUIDS ..KINETIC EQUATION/ HARD SPHERE GAS
68-KE-01 KERR THEORY-OF-FLUIDS ..LIQUID/ CORRELATION FUNCTION/ THEORY
68-LE-01 LEBOWITZ, PERCUS+ THEORY-OF-FLUIDS ..THEORY ..TIME DEPENDENT DISTRIBUTION FUNCTION/ ONE-DIMENSIONAL SYSTEM
68-MA-03 MARCH THEORY-OF-FLUIDS ..LECTURE NOTE/ SCATTERING FUNCTION
68-PE-01 PERCUS, YEVICK THEORY-OF-FLUIDS ..THEORY/ DIRECT CORRELATION FUNCTION
68-RI-03 RICHTER, VOSS THEORY-OF-FLUIDS ..THEORY/ COLLECTIVE MOTION/ CLASSICAL SYSTEM/ DISPERSION/ VLASOV EQUATION
68-ST-02 STECKI, WOJNAR THEORY-OF-FLUIDS ..GAS/ THEORY/ CORRELATION FUNCTION
69-GY-01 GYORFFY, MARCH NEUTRON-SCATTERING-IN-FLUIDS/ THEORY-OF-FLUIDS ..INTERMEDIATE SCATTERING FUNCTION/ LIQUID
69-LE-05 LEBOWITZ, PERCUS+ THEORY-OF-FLUIDS ..THEORY/ CORRELATION FUNCTION
69-RI-01 RICHTER, VOSS THEORY-OF-FLUIDS/ SCATTERING-THEORIES ..THEORY/ SCATTERING LAW/ VLASOV MODEL
70-AI-01 AICAWADI THEORY-OF-FLUIDS ..THEORY/ COLLECTIVE MODE/ LIFETIME/ MODE-MODE INTERACTION
70-AK-01 AKCASU, DANIELS THEORY-OF-FLUIDS ..THEORY/ LIQUID ..GENERALIZED LANGEVIN EQUATION/ CURRENT-CURRENT CORRELA
70-CO-05 CORNGOLD, DUDERSTADT THEORY-OF-FLUIDS ..CORRELATION FUNCTION
70-FO-01 FORSTER, MARTIN THEORY-OF-FLUIDS ..KINETIC THEORY
70-HA-03 HARP, BERNE THEORY-OF-FLUIDS ..THEORY/ LIQUID/ MOLECULAR DYNAMICS ..MEMORY FUNCTIONS/ TIME CORRELATION FUN
70-KA-05 KAWASAKI THEORY-OF-FLUIDS ..CORRELATION FUNCTION,
70-KN-01 KNOPOFF, SHAPIRO THEORY-OF-FLUIDS ..THEORY
70-PA-05 PATHAK, SINGWI THEORY-OF-FLUIDS/ ARGON ..THEORY/ LIQUID/ SCATTERIN LAW/ GAUSSIAN APPROXIMATION
70-RO-01 ROSS THEORY-OF-FLUIDS ..STRUCTURE FACTOR/ SIGMA(THETA,E) ..COMPRESSIBILITY/ LIQUID METAL
70-RO-02 ROTHSCHILD THEORY-OF-FLUIDS ..LIQUID/ THEORY
70-TO-01 TONG, RASHMI+ THEORY-OF-FLUIDS ..GENERAL THEORY
70-ZW-01 ZWANZIG, BIXON THEORY-OF-FLUIDS ..CURRELATION FUNCTION/ THEORY/ LIQUID
71-BA-06 BARKER, FISHER+ THEORY-OF-FLUIDS/ AR ..COMPUTER-SIMULATION/ MONTE-CARLO ..THREE-BODY-INTERACTION
71-CH-03 CHIHARA, SASAKI+ THEORY-OF-FLUIDS ..THEORY/ SPACE-TIME CORRELATION FUNCTION/ VLASOV-BOLTZMANN EQUATION

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71-DE-04  DESAI            THEORY-OF-FLUIDS ..THEORY/ CLASSICAL LIQUID/ SINGLE-PARTICLE MOTION
71-FI-01  FISHER           THEORY-OF-FLUIDS ..VELOCITY CORRELATION
71-LO-02  LOVESEY          THEORY-OF-FLUIDS/ AR ..TRIPLE-PEAK-STRUCTURE
71-LO-03  LOVESEY          THEORY-OF-FLUIDS ..LIQUID/ DENSITY RESPONS FUNCTION
71-MO-01  MOSCINSKI, NAWALANY      THEORY-OF-FLUIDS/ CU
71-NO-01  NOLTING          THEORY-OF-FLUIDS/ AL/ AR ..THEORY/ VAN-HOVE-CORRELATION-FUNCTION
71-O--01  O-REILLY         THEORY-OF-FLUIDS ..VELOCITY-AUTOCORRELATION/ SELF-DIFFUSION ..QUASILATTICE-MODEL
71-PR-06  PRUEITT          THEORY-OF-FLUIDS ..HYDRODYNAMICS
71-TA-01  TAKAHASHI        THEORY-OF-FLUIDS ..THEORY/ LIQUID/ CORRELATION FUNCTION/ SCATTERING LAW ..LIQUID METAL/ TWO TIM
71-TA-02  TAKENO, GODA      THEORY-OF-FLUIDS/ THEORY-OF-SOLIDS ..THEORY/ DISORDERED SYSTEM/ AMORPHOUS SOLID/ CLASSICAL LI
72-AK-01  AKCASU, LINNEBUR      THEORY-OF-FLUIDS ..MODELLED KINETIC EQATION/ TWO DAMPING CONSTANT
72-BA-06  BARKER, GASKELL      ARGON/ THEORY-OF-FLUIDS ..CORRELATION FUNCTION
72-CH-01  CHAY, FRANK      H2.O/ THEORY-OF-FLUIDS ..CORRELATION FUNCTION
72-CH-02  CHIHARA          THEORY-OF-FLUIDS ..THEORY/ QUANTAL SPACE-TIME CORRELATION/ HARTREE APPROXIMATION
72-CO-04  CORNGOLD         THEORY-OF-FLUIDS ..THEORY/ AUTOCORRELATION/ MEMORY FUNCTION
72-DU-02  DUFTY            THEORY-OF-FLUIDS ..CORRELATION FUNCTION
72-EG-01  EGELSTAFF        THEORY-OF-FLUIDS/ SCATTERING-THEORIES ..TIME DEPENDENT TRIPLET FUNCTION/ PRESSURE DERIVATIVE OF
72-GO-01  GODA             THEORY-OF-FLUIDS ..THEORY/ PHONON DISPERSION/ LIQUID/ LAW OF CORRESPONDING STATES
72-HA-03  HASSAN, LADO      THEORY-OF-FLUIDS ..DIFFUSION CONSTANT
72-KA-09  KATZ, RICE       THEORY-OF-FLUIDS ..DENSITY OF LOCALIZED STATE/ FLUID
72-MA-02  MARTIN, PARODI+      THEORY-OF-FLUIDS ..THEORY/ SCATTERING LAW ..HYDRODYNAMICS AND THERMODYNAMICS
72-MA-03  MAZENKO          THEORY-OF-FLUIDS ..MEMORY FUNCTION
72-MA-04  MAZENKO, WEI+      THEORY-OF-FLUIDS ..THEORY/ DENSITY FLUCTUATION/ DILUTE GAS/ HARD SPHERE/ KINETIC EQUATION
72-MI-03  MITRA, DASS+      THEORY-OF-FLUIDS ..THEORY/ LIQUID/ VELOCITY AUTOCORRELATION/ MEMORY FUNCTION
72-RE-01  RESIBOIS         THEORY-OF-FLUIDS ..CLASSICAL LIQUID/ THORY
72-TA-01  TAKENO, GODA      THEORY-OF-FLUIDS/ HE ..THEORY/ PHONON-LIKE EXCITATION/ LIQUID HELIUM
72-TA-02  TAKENO, GODA      THEORY-OF-SOLIDS/ THEORY-OF-FLUIDS/ HE ..THEORY/ PHONON-LIKE EXCITATION
73-CH-02  CHIHARA          THEORY-OF-FLUIDS ..NEUTRAL AND CHARGED QUANTUM FLUIDS/ INTEGRAL EQUATION
73-CH-03  CHIHARA          THEORY-OF-FLUIDS ..QUANTAL BINARY MIXTURE/ DYNAMICAL STRUCTURE FACTOR/ QUASI-ELASTICP EAK/ ZERO
73-CH-04  CHIHARA          THEORY-OF-FLUIDS ..INTEGRAL EQUATION/ LONG-RANGE AND SHORT-RANGE POTENTIALS
73-CH-05  CHIHARA          THEORY-OF-FLUIDS ..INTEGRAL EQUATION/ CHARGED PARTICLE SYSTEM
73-FO-02  FOSTER           THEORY-OF-FLUIDS ..CLASSICAL FLUID/ KINETIC THEORY/ PAIR CORRELATION FUNCTION
73-GR-02  GRUNDKE, HENDERSON+      THEORY-OF-FLUIDS ..PERCUS-YEVICK/ MIXTURE ..LENNARD-JONES
73-LO-04  LOVESEY          THEORY-OF-FLUIDS/ AR ..GENERALIZED LANGEVIN EQUATION/ SCATTERING FUNCTION
73-MA-01  MACHIDA, MURASE      THEORY-OF-FLUIDS/ AR ..SIMPLE LIQUID/ RELAXATION TIME FOR LONGTUDINAL MODE
73-MA-02  MAZENKO          THEORY-OF-FLUIDS ..THEORY/ FLUID/ VELOCITY AUTOCORRELATION
73-MA-03  MAZENKO          THEORY-OF-FLUIDS ..THEORY/ FLUID/ DIFFUSION
73-MI-06  MITRA            THEORY-OF-FLUIDS/ NA ..MEMORY FUNCTION/ SELF DIFFUSION CONSTANT
73-PA-07  PATHAK, BANSAL      THEORY-OF-FLUIDS ..THEORY/ LIQUIDS/ DYNAMICAL STRUCTURE FACTOR ..HUBBARD-BEEBY THEORY
73-SE-01  SEARS            NEON/ RUBIDIUM/ HYDROGEN/ THEORY-OF-FLUIDS ..THEORY/ FUUID/ SCATTERING FUNCTION
73-TO-01  TOSI, MARCH      THEORY-OF-FLUIDS ..PARTIAL CORRELATION FUNCTION/ SMALL Q REGION/ ELECTRONIC EFFELT
73-VI-01  VISSCHER         THEORY-OF-FLUIDS ..SELF-DIFFUSION/ VELOCITY-AUTOCORRELATION
73-WI-02  WINFIELD, EGELSTAFF      KR/ THEORY-OF-FLUIDS ..TRIPLET CORRELATION
74-AN-01  ANDERSEN         THEORY-OF-FLUIDS ..PAIR CORRELATION FUNCTION FOR HYDROGEN BONDED LIQUIS/ UATER
74-BE-01  BEDEAUX, MAZUR      THEORY-OF-FLUIDS ..BROWNIAN-MOTION
74-BL-01  BLINC, LUGOMER+      THEORY-OF-FLUIDS ..NEMATIC LIQUID CRYSTAL
74-BR-03  BROOKS, DONNELLY      THEORY-OF-FLUIDS/ HE ..SECOND SOUND
74-CH-01  CHALDLER         THEORY-OF-FLUIDS ..DYNAMICS OF LIQUID
74-CH-02  CHAUDLER         THEORY-OF-FLUIDS ..DYNAMICS OF LIQUID
74-EB-01  EBBSJOE, SCHOFIELD+      THEORY-OF-FLUIDS ..THEORY/ LIQUID/ VELOCIY AUTO-CORRELATION FUNCTION ..PERTURBATION TH
74-FI-02  FIXMAN, KOVAC      THEORY-OF-FLUIDS ..THEORY/ MOLECULAR DYNAMICS
74-FI-03  FIXMAN, KOVAC      THEORY-OF-FLUIDS ..THEORY/ MOLECULAR DYNAMICS
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74-HA-05  HASEGAWA, WATABE      THEORY-OF-FLUIDS/ NA/ K ..LIQUID METAL/ ELECTRON THEORY/ STRUCTURE FACTOR/ THERMAL EXPANS
74-JO-05  JORDAN          AR/ THEORY-OF-FLUIDS ..THEORY/ LIQUID/ CORRELATION FUNCTION ..DIFFUSION COEFFICIENT
74-LE-01  LEE, LEE        THEORY-OF-FLUIDS/ HE ..DISPERSION RELATION
74-LE-02  LERIBAUX, MILLER      THEORY-OF-FLUIDS ..THEORY/ LIQUID/ STRUCTURE FACTOR ..PERCUS-YEVICK EQUATION
74-NA-01  NARBUTOWICZ, STECKI      THEORY-OF-FLUIDS ..CORRELATION FUNCTION
74-PA-07  PARRINELLO, TOSI+      THEORY-OF-FLUIDS ..THEORY/ LIQUID/ DYNAMICAL STRUCTURE FACTOR/ SCATTERING LAW ..BINARY L
74-RA-07  RAO             THEORY-OF-FLUIDS ..CLUSTER EXPANSION/ DYNAMIC STRUCTURE FACTOR/ CLASSICAL LIQUIDS
74-SA-04  SANDLER, DAS-GUPTA+      THEORY-OF-FLUIDS ..RADIAL-DISTRIBUTION-FUNCTION ..ANALYSIS-OF-DATA
74-SC-03  SCHOFIELD       THEORY-OF-FLUIDS/ THEORY-OF-SOLIDS ..THEORY/ CORRELATION FUNCTION
74-WA-02  WATTS           LIGHT WATER/ THEORY-OF-FLUIDS ..RADIAL-DISTRIBUTION-FUNCTION/ MONTE-CARLO
75-BA-01  BARKER, GASKELL      THEORY-OF-FLUIDS/ NA ..LIQUID METALS/ DAMPING OF COLLECTIVE MODE/ LONG-RANGE OSCILLATORY I
75-BE-01  BENNET          THEORY-OF-FLUIDS ..MOLECULAR DYNAMICS/ MASS TENSOR
75-BL-04  BLOCK, SCHOMMERS      RB/ THEORY-OF-FLUIDS ..THEORY/ LIQUID/ MOLECULER DYNAMICS/ CORRELATION FUNCTION ..TRIPLET
75-GO-01  GOETZE, LUECKE      THEORY-OF-FLUIDS/ AR ..CLASSICAL FLUID/ EXCITATION SPECTRUM
75-HA-01  HANSEN, MCDONALD      THEORY-OF-FLUIDS ..MOLECULAR DYNAMICS/ MOLTEN SALT/ STRUCTURE FACTOR/ SCATTERING FUNLTION
75-JH-01  JHON, FORSTER      THEORY-OF-FLUIDS/ AR ..THEORY/ DYNAMICAL STRUCTURE FACTOR
75-SI-01  SIEGEL          THEORY-OF-FLUIDS ..PERCUS-YEVICK TEMPERATURE
75-SI-02  SIEGEL          THEORY-OF-FLUIDS ..LIQUID VIRTUAL CRYSTAL/ LONG WAVELENGTH SOUND VELOCITY/ LIQUID BINARY ALLOYS
75-SI-03  SIEGEL          THEORY-OF-FLUIDS ..STRUCTURE FACTOR/ BINARY ALLOY LIQUID
75-SI-04  SIEGEL          THEORY-OF-FLUIDS ..SOUND VELOCITY/ MELTING TEMPERATURE/ LIQUID METAL
75-SI-05  SIEGEL          THEORY-OF-FLUIDS ..MELTING/ STRUCTURE FACTOR/ DISPERSION RELATION
75-TE-01  TENTI, DESAI      THEORY-OF-FLUIDS ..THEORY ..MODEL COLLISION OPERATOR/ KINETIC EQUATION
75-TE-02  TENTI, DESAI      THEORY-OF-FLUIDS ..THEORY/ CORRELATION FUNCTION
75-TE-04  TEWARI, TEWARI      THEORY-OF-FLUIDS/ AR ..THEORY/ LIQUID/ SCATTERING LAW/ CORRELATION FUNCTION ..HUBBARD AND B
75-TK-01  TKACHENKO, FISHER      THEORY-OF-FLUIDS ..NONLINEAR THREE POINT SUSCEPTIBILITY/ CLASSICAL LIQUID
75-YO-01  YOSHIDA, TAKENO      THEORY-OF-FLUIDS/ AR ..CLASSICAL SIMPLE LIQUID/ DYNAMICAL STRUCTURE FACTOR/ DISPERSION CUR
76-CA-06  CASTRESANA, MAZENKO+      THEORY-OF-FLUIDS ..TIME-DEPENDENT PHASE-SPACE DENSITY CORRELATION FUNCTION/ FLUID MIX
76-CH-05  CHIAKWELU, GASKELL      RB/ THEORY-OF-FLUIDS ..VELOCITY AUTOCORRELATION FUNCTION/ EFFECT ON FREQUENCY SPECTRUM
76-DU-01  DUFTY, GROOME+      THEORY-OF-FLUIDS/ KR ..DYNAMIC,STATIC STRUCTURE FACTOR
76-FE-01  FERNANDEZ       THEORY-OF-FLUIDS ..DOUBLE COLLISION EFFECTS/ THEORY
76-GI-01  GIAQUINTA, PARRINELLO+      THEORY-OF-FLUIDS ..FREQUENCY SPECTRA/ SHEAR VISCOSITY/ SELF-DIFFUSION/ THERMAL DIFF
76-GI-02  GIAQUINTA, PARRINELLO+      THEORY-OF-FLUIDS ..CORRELATION FUNCTION/ MOLTEN SALT
76-GO-03  GOETZE, ZIPPELIUS      THEORY-OF-FLUIDS/ AR/ RB ..SELF-CORRELATION FUNCTION/ CLASSICAL LIQUIDS
76-KO-05  KORSUNSKY, NABERUKHIN      THEORY-OF-FLUIDS ..ALLOY/ PARTIAL INTERFERENCE FUNCTION
76-KU-02  KUMARAVADIVEL, EVANS      THEORY-OF-FLUIDS ..THEORY/ ENTROPIES/ STRUCTURE FACTORS/ WEEKS-CHANDLER-ANDERSON THEO
76-ME-02  MEHRINGER       THEORY-OF-FLUIDS ..THEORY/ DYNAMICS OF ATOMIC MOTION/ ONE-PARTICLE PROBABILITY DENSITY/ CORRELA
76-MI-03  MITRA, GILLAN      THEORY-OF-FLUIDS ..INTERATOMIC POTENTIAL/ LIQUID STRUCTURE
76-SY-01  SYKES           THEORY-OF-FLUIDS ..CORRELATION FUNCTION/ KINETIC EQUATION/ CLASSICAL LIQUIDS
76-YO-01  YOSHIDA         NA/ RB/ PB/ THEORY-OF-FLUIDS ..DYNAMICAL STRUCTURE FACTOR/ COLLECTIVE MODE
77-BA-01  BANAL, PATHEK      THEORY-OF-FLUIDS ..GENERALIZED LANGEVIN EQUATION/ DYNAMICAL STRUCTURE FUCTOR
77-BA-02  BANSAL, AILAWADI      THEORY-OF-FLUIDS/ RB ..COHEERENT SCATTERING FUNCTION
77-BA-03  BANSAL, PATHEK      THEORY-OF-FLUIDS ..CURRENT CORRELATION FUNCTION
77-BA-04  BANSAL, NAGHIZADEH      NEUTRON-SCATTERING-IN-FLUIDS/ THEORY-OF-FLUIDS/ RUBIDIUM ..COHERENT SCATTERING FUNCTION
77-BE-01  BEAR            THEORY-OF-FLUIDS ..STRUCTURAL CORRELATION/ MOLECULAR PAIR CORRELATION
77-BO-04  BOYD            THEORY-OF-FLUIDS ..THEORY ..HARTREE-FOCK APPROXIMATION/ RADIAL DISTRIBUTION
77-CA-04  CASTRESANA, MAZENKO+      THEORY-OF-FLUIDS ..GAS/ THEORY/ CORRELATION FUNCTION ..BINARY MIXTURE/ THERMAL FLUCTU
77-ED-01  EDER            THEORY-OF-FLUIDS ..VELOCITY AUTCORRELATION FUNCTION/ DIFFUSION COEFFICIENT/ HARD SPHERA GAS
77-GL-01  GLANDT, FITTS      THEORY-OF-FLUIDS ..RADIAL DISTRIBUTION FUNCTION/ PERCUS-YEVICK THEORY
77-KA-01  KAHOL, CHATURVEDI+      THEORY-OF-FLUIDS ..LIQUID/ MOLECULAR DYNAMICS ..LONGITUDINAL AND TRANSVERSAL CURRENT CO
77-LE-01  LEE             THEORY-OF-FLUIDS ..CORRELATION FUNCTION/ SOFT SPHERE SYSTEM
77-LE-03  LEWIS, LOVESEY      THEORY-OF-FLUIDS ..STRUCTURE FACTOR/ COLLECTIVE DENSITY EXCITATION
77-MC-01  MCDONALD, VIEILLEFOSSE+      THEORY-OF-FLUIDS ..HYDRODYNAMIC CALCULATION/ MOLECULAR-DYNAMIC CALCULATION/ IONIC
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77-NA-02 NARA, OGAWA+ THEORY-OF-FLUIDS ..LIQUID METAL/LATTICE GAS MODEL/ HUBBERD MODEL/
77-YO-02 YOSHIDA, TAKENO THEORY-OF-FLUIDS/ NEUTRON-SCATTERING-IN-FLUIDS/ AR ..INCOHERENT SCATTERING FUNCTION/ CLASS
77-YO-03 YOSHIDA THEORY-OF-FLUIDS ..DYNAMICAL STRUCTURE FACTOR/ CURRENT-CURRENT CORRELATION FUNCTION

1. 6 SCATTERING-THEORIES

52-PL-01 PLACZEK SCATTERING-THEORIES ..TOTAL AND DIFFERENTIAL CROSS SECTION
54-VI-01 VINEYARD SCATTERING-THEORIES ..TEORY/ MULTIPLE SCATTERING
58-EG-01 EGELSTAFF BE/ MG/ SCATTERING-THEORIES ..THEORY/ EXPERIMENT/ SOLID/ SIGMA(E, E-PRIME, THETA)/ SIGMA(E) ..O
58-MA-01 MAZO, ZEMACH SCATTERING-THEORIES ..THEORY/ SCATTERING CROSS SECTION ..IMPERFECT GAS/ ELASTIC AND INELASTIC
60-NE-01 NELKIN SCATTERING-THEORIES ..SIGMA(E) ..DOPPLER-BROADENING OF ABSORPTION RESONANCE/ SLOW NEUTRON SCATT
60-SC-01 SCHOFIELD SCATTERING-THEORIES ..SCATTERING THEORY
60-VO-01 VOLKIN SCATTERING-THEORIES ..MOLECULAR DYNAMICS/ THEORY/ SIGMA(E, E-PRIME, THETA) ..MOLECULAR ROTATOR
61-EG-03 EGELSTAFF SCATTERING-THEORIES ..SCATTERING THEORY ..DATA TREATMENT
61-EG-04 EGELSTAFF SCATTERING-THEORIES ..SCATTERING THEORY/ SCATTERING FUNCTION
61-MC-01 MCLATCHIE, HEARD+ SCATTERING-THEORIES ..SCATTERING LAW/ DEBYE APPROXIMATION/ SOLID/ LIQUID/ THEORY
61-SC-02 SCHOFIELD SCATTERING-THEORIES ..SCATTERING THEORY ..SPACE-TIME CORRELATION FUNCTION
61-TU-02 TURNER SCATTERING-THEORIES ..THEORY/
62-AA-01 AAMODT, CASE+ SCATTERING-THEORIES ..SCATTERING THEORY
62-EG-03 EGELSTAFF, SCHOFIELD SCATTERING-THEORIES/ H2,O/ PB ..EXPERIMENT/ THEORY/ LIQUID/ DIFFUSION PARAMETER ..ROO
62-FE-01 FERZIGAR, LEONARD SCATTERING-THEORIES ..THEORY/ DIFFRACTION
62-KO-03 KOSALY, TURNER SCATTERING-THEORIES ..QUASI-CLASSICAL APPROXIMATION
62-MC-03 MCMURRY SCATTERING-THEORIES ..THEORY/ MOLECULAR ROTATIONS/ MOLECULAR VIBRATIONS/ SIGMA(E,E-PRIME,THETA)
62-PU-01 PUROHIT, ROJAGOPAL SCATTERING-THEORIES ..SCATTERING THEORY/ SIGMA(E)
62-PU-02 PUROHIT, ROJAGOPAL SCATTERING-THEORIES ..SCATTERING THEORY
63-EG-02 EGELSTAFF SCATTERING-THEORIES ..SCATTERING LAW/ THEORY ..SELF TERM/ INTERFERENCE TERM
63-PL-01 PLUMMER, SUMMERFIELD SCATTERING-THEORIES ..THEORY
63-RA-01 RAHMAN SCATTERING-THEORIES ..SCATTERING THEORY/ SCATTERING FUNCTION
63-SU-01 SUMMERFIELD, ZWEIFEL SCATTERING-THEORIES ..SCATTERING LAW/ THEORY/ CORRELATION FUNCTION/ SCATTERING THEORY
64-NI-01 NIJBOER, KOKKEDEE SCATTERING-THEORIES ..THEORY/ LIQUID/ SOLID/ SCATTERING THEORY
64-SU-01 SUMMERFIELD SCATTERING-THEORIES ..THEORIES/ FERMI-APPROXIMATION
65-AK-02 AKCASU, OSBORN THEORY-OF-SOLIDS/ SCATTERING-THEORIES ..DAMPING THEORY/ SCATTERING CROSS SECTION/ ANHARMONI
65-MA-01 MAIOROV SCATTERING-THEORIES ..SCATTERING FUNCTION
65-RO-02 ROSENBAUM, ZWEIFEL SCATTERING-THEORIES ..SCATTERING THEORY
65-ST-03 STEELE, PECORA SCATTERING-THEORIES ..THEORY/ STATISTICAL MECHANICS/ DIFFERENTIAL CROSS SECTION/ CORRELATIO
65-VA-01 VAN-LEEUWEN, YIP SCATTERING-THEORIES ..THEORY ..KINETIC EQUATIONS/ DENSE GAS
66-KO-06 KOSALY, SOLT SCATTERING-THEORIES ..THEORY ..MODFICATION OF KRIEGER-NELKIN THEORY
66-NI-01 NIJBOER, RAHMAN SCATTERING-THEORIES ..SCATTERING FUNCTION/ CORRELATION FUNCTION/ THEORY
66-NO-01 NOSSAL SCATTERING-THEORIES ..CORRELATION FUNCTION/ SCATTERING FUNCTION
66-SU-02 SUNAKAWA, FUKUI+ SCATTERING-THEORIES ..DIFFERENTIAL CROSS SECTION/ MULTIPLE SCATTERING
67-GI-01 GIBBS, LINDENMEIER SCATTERING-THEORIES ..THEORY/ CROSS SECTION EVALUATION
67-KU-01 KURKIJARVI SCATTERING-THEORIES ..CORRELATION FUNCTION/ THEORY
67-PL-01 PLUMMER SCATTERING-THEORIES ..SCATTERING THEORY
67-RA-02 RAMASESHEN, VISWANATHAN SCATTERING-THEORIES ..ANORMALOUS SCATTERING/ POLARIZATION VECTOR/ ONE-PHONON SCATT
67-SL-01 SLAGGIE SCATTERING-THEORIES ..THEORY
67-SL-02 SLAGGIE SCATTERING-THEORIES ..THEORY ..MULTIPLE SCATTERING CORRECTION
67-SU-01 SUMMERFIELD, ZWEIFEL SCATTERING-THEORIES ..SCATTERING THEORY/ GAS
67-WI-01 WIGNALL SCATTERING-THEORIES ..CROSS SECTION EVALUATION/ EXPERIMENT
68-PA-04 PAHOR SCATTERING-THEORIES ..SCATTERING THEORY ..MULTIPLE SCATTERING CORRECTION
68-SC-03 SCHERMER, BLUME SCATTERING-THEORIES ..SOLID/ SCATTERING THEORY
68-SU-01 SUGAWARA, YIP+ SCATTERING-THEORIES ..GAS/ FREQUENCY SPECTRUM/ THEORY ..KINETIC-THEORY

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69-BA-01  BASHER, PULL      SCATTERING-THEORIES ..SCATTERING LAW ..MONTE CARLO METHOD
69-ED-01  EDER            SCATTERING-THEORIES ..THEORY/ PHONON EXPANSION/ MULTI-PHONON CONTRIBUTION
69-KU-01  KUSCER, SUMMERFIELD     SCATTERING-THEORIES ..DETAILED-BALANCE/ THEORY
69-RI-01  RICHTER, VOSS      THEORY-OF-FLUIDS/ SCATTERING-THEORIES ..THEORY/ SCATTERING LAW/ VLASOV MODEL
69-SL-01  SLAGGIE         SCATTERING-THEORIES ..THEORY/ SCATTERING LAW
70-ER-01  ERIKSSON        SCATTERING-THEORIES ..SCATTERING THEORY
70-NI-01  NISHIGORI       SCATTERING-THEORIES ..THEORY/ QUASICLASSICAL APPROXIMATION
71-BI-02  BISCHOFF, MOORE+      SCATTERING-THEORIES/ COMPUTER-CODES/ H2.O ..MULTIPLE SCATTERING/ THEORY/ SIGMA(E, E-PRIME
71-MA-06  MARSHALL, LOVESEY      SCATTERING-THEORIES ..THEORY/ CORRELATION FUNCTION/ PHONON/ MAGNETIC/ SPIN WAVE/ LIQUID/
72-BU-06  BUYERS, SEARS+      NE/ SCATTERING-THEORIES ..THEORY/ EXPERIMENT/ LIQUID DYNAMICS/ COLLECTIVE MOTION/ SINGLE PA
72-CO-05  COWLEY          THEORY-OF-SOLIDS/ SCATTERING-THEORIES ..THEORY/ PHONON/ ALLOYS/ ORDER-DISORDER STATE
72-EG-01  EGELSTAFF       THEORY-OF-FLUIDS/ SCATTERING-THEORIES ..TIME DEPENDENT TRIPLET FUNCTION/ PRESSURE DERIVATIVE OF
72-JA-05  JANNINK, SUMMERFIELD     SCATTERING-THEORIES ..THEORY/ POLYMER CHAINS IN SOLUTION/ DIFFUSIVE MOTION
74-FR-01  FRANK           SCATTERING-THEORIES ..ULTRACOLD NEUTRON
74-HA-04  HARA, HONDA      SCATTERING-THEORIES ..SCATTERING FUNCTION/ CORRECTION OF MULTIPLE SCATTERING
75-WO-01  WOOD, MOSTOLLER      SCATTERING-THEORIES ..THEORY/ SOLID/ GREEN.S FUNCTION/ COHEREN SCATTERING ,.INTERSTITIALS
76-GE-02  GERSCH, HOLM      SCATTERING-THEORIES ..CRITICAL MULTIPLE SCATTERING/ GLAUBER APPROXIMATION
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1. 7 COMPUTER-CODES

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61-BE-01  BELL            COMPUTER-CODES
61-HO-01  HONECK          COMPUTER-CODES
62-MA-02  MACLATCHI       COMPUTER-CODES
63-LI-01  LINDENMEIER, MATSUMOTO+      H2.O/ POLYETHYLENE/ COMPUTER-CODES ..SCATTERING THEORY/ LIQUID/ SIGMA(E,E-PRIME,TH
63-MA-01  MACDOUGALL      COMPUTER-CODES ..SIGMA(E,E-PRIME)/ SCATTERING LAW/ GAS/ LIQUID/SAOLID/ CROSS SECTION EVALUATION
64-HO-01  HONECK, HOUSTON+      COMPUTER-CODES ..MULTIPLE SCATTERING/ THEORY
64-MC-01  MCMURRY, GANNON      COMPUTER-CODES/ H2.O ..THEORY/ SCATTERING LAW/ SIGMA(E)/ SIGMA(E,E-PRIME)/ SIGMA-TRANSPORT
64-NA-01  NALIBOFF, KOPPEL      COMPUTER-CODES ..THEORY/ COHERENT/ ..POLYCRYSTAL/ FORTRAN LIST
65-GA-01  GANNON, MCMURRY      C.H4/ C2.H6/ COMPUTER-CODES ..THEORY/ MOLCULAR DYNAMICS/ SCATTERING FUNCTION
65-HO-03  HONECK, NALIBOFF      COMPUTER-CODES
65-II-01  IIJIMA, TOKIZAWA      COMPUTER-CODES
65-MA-04  MATSUOKA, ARAI      COMPUTER-CODES
65-NA-02  NALIBOFF        COMPUTER-CODES/ HYDROGEN .,THEORY/ LIQUID
65-SH-02  SHIMADA         COMPUTER-CODES
66-BE-04  BEVINGTON, PETITT      COMPUTER-CODES ..CODE/ NEUTRON SCATTERING/ ANGULAR DISTRIBUTION
66-KO-03  KOPPEL, TRIPLETT+      COMPUTER-CODES ..SCATTERING FUNCTION/ LATTICE DYNAMICS/ MOLECULAR DYNAMICS/ SCATTERING T
66-SP-01  SPARCK          COMPUTER-CODES ..CDC-3600 PROGRAM
66-ZY-01  JAPANESE NUCLEAR DATA COMMITTEE  +     COMPUTER-CODES
67-BO-03  BOYSTER, MCMURRY      COMPUTER-CODES ..THEORY/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS ..FORTRAN PROGRAM FOR THE I
67-CL-01  CLENDENIN       COMPUTER-CODES ..CROSS SECTION EVALUATION/ SOLID/ SCATTERING FUNCTION ..FORTRAN LIST
67-CU-01  CURTIS, GRIMESEY      COMPUTER-CODES ..NEUTRON SPECTRUM
67-HU-01  HUTCHINSON, SCHOFIELD      COMPUTER-CODES ..SCATTERING FUNCTION ..INCOHERENT GAUSSIAN APPROXIMATION
67-JA-02  JARVIS          COMPUTER-CODES
67-KO-03  KOPPEL, TRIPLETT+      COMPUTER-CODES ..SCATTERING FUNCTION .,DIFFERENTIAL CROSS SECTION
67-LI-02  LITTON          COMPUTER-CODES
67-NA-01  NAKAHARA, KATO      BE/ H2.O/ COMPUTER-CODES ..SOLID/ THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
67-NO-01  NOBLE, SOLBRIG-JR+      COMPUTER-CODES ..LATTICE DYNAMICS ..COHERENT SINGLE-PHONON SCATTERING OF NEUTRONS
67-VI-01  VISSER, VAN-DER-WALT      COMPUTER-CODES
68-BI-01  BISCHOFF, MOORE+      COMPUTER-CODES ..THEORY/ SLAB SAMPLE/ TUBLER SAMPLE
68-BO-07  BOYTER, SOLBRIG-JR      COMPUTER-CODES ..LATTICE DYNAMICS/ DISPERSION RELATION ..STRUCTURE FACTOR FOR COHERENT
69-BO-07  BOYSTER, MCMURRY+      COMPUTER-CODES ..THEORY/ SOLID/ LATTICE DYNAMICS/ INTERATOMIC FORCE CONSTANTS/ STRUCTURE
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69-BU-01  BUTLAND          COMPUTER-CODES ..POLYCRYSTAL
69-DI-01  DICKEY, PASKIN      COMPUTER-CODES ..THEORY/ SOLID/ LATTICE DYNAMICS/ MOLECULAR DYNAMICS/ ANHARMONICITY
69-PR-04  PREVENDER        COMPUTER-CODES ..LATTICE DYNAMICS/ FORCE CONSTANTS FITTING ..CS.CL TYPE CRYSTAL/ PROGRAM LIST
69-PR-05  PREVENDER        COMPUTER-CODES ..LATTICE DYNAMICS/ DISPERSION CURVES/ POLARIZATION VECTOR/ STRUCTURE FACTOR
70-AR-01  ARKUSZEWSKI       COMPUTER-CODES ..THEORY/ SOLID/ SCATTERING LAW
70-BO-03  BORGONOVI        COMPUTER-CODES ..SCATTERING LAW/ SIGMA(E,E-PRIME)
70-KA-01  KADOTANI         COMPUTER-CODES ..CODE MANUAL
71-BI-02  BISCHOFF, MOORE+      SCATTERING-THEORIES/ COMPUTER-CODES/ H2.O ..MULTIPLE SCATTERING/ THEORY/ SIGMA(E, E-PRIME
72-BU-04  BUTLAND          COMPUTER-CODES ..PHONON SPECTRA/ SCATTERING LAW
72-NA-01  NAKAHARA, KADOTANI      ZR-H/ COMPUTER-CODES ..THEORY/ SIGMA (E,E-PRIME)/ SIGMA (E)/ SIGMA-TRANSPORT(E)/ SOLID
74-JO-04  JOHNSON          COMPUTER-CODES ..MULTIPLE SCATTERING CORRECTION/ INELASTIC SCATTERING
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1. 8 INSTRUMENTS-AND-METHODS

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70-ST-02  STOCKMEYER       INSTRUMENTS-AND-METHODS ..MONOCHROMETER/ CHOPPER
75-BA-03  BARTUNIK, JACOBE      INSTRUMENTS-AND-METHODS/ PROTEIN ..MULTI-DETECTOR SYSTEM/ ILL,GRENOBLE
75-CA-04  CARPENTER, HUFFLER+      INSTRUMENTS-AND-METHODS ..TIME-OF-FLIGHT NEUTRON DIFFRACTION/ ARGONNE
75-CO-04  CONVERT          INSTRUMENTS-AND-METHODS ..POSITION SENSITIVE DETECTOR/ ILL,GRENOBLE
75-DA-01  DACHS, AXMANN      INSTRUMENTS-AND-METHODS ..NEUTRON DIFFRACTOMETER/ HIGH RESOLUTION/ SMALL SAMPLE/ BERLIN
75-DA-02  DAVIDSON         INSTRUMENTS-AND-METHODS ..POSITION SENSITIVE DETECTOR
75-DE-02  DE-VRIES, ADRIAN      INSTRUMENTS-AND-METHODS ..SINGLE CRYSTAL DIFFRACTOMETOR/ SOUTH AFRICA
75-FR-02  FREDRIKZE, VAN-TRIGHT      INSTRUMENTS-AND-METHODS ..NEUTRON DIFFRACTION/ LIQUIDS/ AMORPHOUS SYSTEMS
75-FR-03  FREY, PRANDL      INSTRUMENTS-AND-METHODS ..LAMELLAR MONOCHROMETOR
75-HA-03  HAYTER           INSTRUMENTS-AND-METHODS ..POLARIZATION ANALYSIS
75-HE-04  HEINONEN, HIISMAEKI+      INSTRUMENTS-AND-METHODS ..FOURIER CHOPPER/ FINLAND
75-IB-02  IBEL             REVIEW-ARTICLES/ INSTRUMENTS-AND-METHODS ..SMALL ANGLE SCATTERING/ ILL,GRENOBLE
75-IS-02  ISHIKAWA, WATANABE+      INSTRUMENTS-AND-METHODS ..EPITHERMAL NEUTRON DIFFRACTION/ GD COMPOUNDS
75-JU-01  JUST, SCHMATZ+      INSTRUMENTS-AND-METHODS ..DIFFUSE SCATTERING
75-KO-02  KOZLOV, OSTANEVICH+      INSTRUMENTS-AND-METHODS ..SMALL ANGLE SCATTERING
75-LE-01  LEBECH, NIELSEN      INSTRUMENTS-AND-METHODS ..SCANNING IN RECIPROCAL SPACE
75-RO-02  ROULT, BUEVOZ+      INSTRUMENTS-AND-METHODS ..HIGH PRESSURE, T-O-F DIFFRACTION/ GRENOBLE
75-SC-01  SCHAERPF, SEIFERT      INSTRUMENTS-AND-METHODS/ FE ..SMALL ANGLE SCATT./ BLOCH WALL/ MAGNETIC SCATT.
75-SC-03  SCHLENKER, BARUCHEL      INSTRUMENTS-AND-METHODS ..NEUTRON TOPOGRAPHY
75-SC-04  SCHNEIDER        INSTRUMENTS-AND-METHODS ..SEPARATION OF THERMAL DIFFUSE/ MUENCHEN
75-SE-01  SEQUEIRA         INSTRUMENTS-AND-METHODS ..BOMBAY,INDIA/ DIFFRACTOMETOR OPERATION
75-ST-03  STEICHELE, ARNOLD      INSTRUMENTS-AND-METHODS ..TIME-OF-FLIGHT DIFFRACTION/ GARCHING, BRD
75-SU-02  SUTHERLAND, WROE      INSTRUMENTS-AND-METHODS ..GUIDE TUBE/ COLD NEUTRON
75-WI-02  WILLIAMS         INSTRUMENTS-AND-METHODS ..POLARIZATION ANALYSIS
75-WI-03  WINDSOR          INSTRUMENTS-AND-METHODS ..T-O-F DIFFRACTION/ PROFILE FITTING
76-AB-01  ABRAGAM, BACCHELLA+      INSTRUMENTS-AND-METHODS ..POLARIZED NEUTRON/ POLARIZED TARGETS
76-AL-02  ALBEPTINI, BOEUF+      INSTRUMENTS-AND-METHODS ..CURVED MONOCHROMATOR
76-BA-07  BAUSPIESS, BONSE+      INSTRUMENTS-AND-METHODS ..NEUTRON INTERFEROMETER
76-DA-05  DAVIDSON, CASE      INSTRUMENTS-AND-METHODS ..DIFFRACTION TOPOGRAPHY
76-HA-09  HAYTER           INSTRUMENTS-AND-METHODS ..POLARIZED NEUTRON
76-JA-01  JACOBE           INSTRUMENTS-AND-METHODS ..DETECTOR/ ELECTRONICS
76-SC-01  SCHLENKER, BARUCHEL      INSTRUMENTS-AND-METHODS ..DIFFRACTION TOPOGRAPHY
76-WE-03  WERNER, COLELLA+      INSTRUMENTS-AND-METHODS ..NEUTRON INTERFEROMETRY/ MISSOURE
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2 MONATOMIC ELEMENTS

2. 1 ALUMINIUM AL

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56-SQ-01  SQUIRES          NEUTRON-SCATTERING-IN-SOLIDS/ AL ..THEORY/ LATTICE VIBRATION/ FREQUENCY DISTRIBUTION ..ENERGY D
57-CA-01  CARTER, PALEVSKY+      AL ..EXPERIMENT/ LATTICE VABRATION/ DISPERSION RELATION
58-BR-03  BROCKHOUSE, STEWART      AL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
60-LA-02  LARSSON, DAHLBORG+      AL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..293-932DK
61-LA-02  LARSSON, HOLMRYD+      AL ..EXPERIMENT/ SOLID/ DISPERSION RELATION
62-LE-01  LEHMAN, WOLFRAM+      CU/ AL/ ZR-H ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
63-SQ-01  SQUIRES          AL ..LATTICE DYNAMICS/FREQUENCY SPECTRUM
65-BR-01  BREDOV, KOTOV+      AL ..PHONON SPECTRUM/ EXPERIMENT
65-LA-01  LARSSON, DAHLBORG+      AL ..EXPERIMENT/ LIQUID/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
65-SC-01  SCHMUNK, BRUGGER+      AL/ BE ..EXPERIMENT/ SCATTERING FUNCTION/ TOF/ FREQUENCY DISTRIBUTION ..POLYCRYSTAL/ COH
65-ST-01  STEDMAN, NILSSON      AL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
65-ST-02  STEDMAN, NILSSON      AL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..CRYSTAL SPECTROMETER/ 80DK
65-YA-01  YARNELL, WARREN+      AL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
66-AN-01  ANIMALU, BONSIGNORI+      NA/ K/ AL/ LI/ RB/ CS ..THEORY/ PHONON DISPERSION/ MODEL POTENTIAL
66-BR-05  BRUGGER          METHANE/ ETHANE/ AL/ NA/ PB/ AR ..COMPILATION/ SCATTERING FUNCTION
66-EG-01  EGELSTAFF, DUFFILL+      PB/ SN/ BI/ ZN/ AL ..EXPERIMENT/ LIQUID/ STRUCTURE FACTOR
66-GI-02  GILAT, NICKLOW      AL ..PHONON DISPERSION/ PHONON SPECTRA
66-II-01  IIJIMA          AL ..CALCULATION/ PHONON SPECTRUM/ SCATTERING FUNCTION/ COHERENT
66-SH-01  SHUKLA, DAYAL      AL ..THEORY/ PHONON DISPERSION/ KREBS MODEL
66-ST-01  STEDMAN, NILSSON      AL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..3-AXIS SPECTROMETER/ 80DK/ 300DK
67-BJ-02  BJORKMAN, LUNDQVIST+      AL ..THEORY/ LATTICE DYNAMICS
67-CA-02  CARBOTTE, DYNES      AL ..THEORY/ SUPERCONDUCTING TRANSITION/ PHONON SPECTRA
67-CO-01  COCKING          AL/ PB/ BI/ RB/ SN ..SOLID/ LIQUID/ DISPERSION RELATION/ EXPERIMENT
67-LA-01  LAKATOS          NEUTRON-SCATTERING-IN-SOLIDS/ AL ..LATTICE DYNAMICS/ THEORY/ FREQUENCY DISTRIBUTION
67-ST-03  STEDMAN, ALMQVIST+      AL/ PB ..LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION ..800DK FOR AL/ 500DK FOR PB
68-GR-02  GRIMVALL, GRIMVALL      AL/ NB/ PB ..FREQUENCY DISTRIBUTION/ THEORY/ LATTICE DYNAMICS ..DEBYE TEMP.
68-SC-06  SCHNEIDER, STOLL      NA/ MG/ AL ..THEORY/ LATTICE DYNAMICS ..ELECTRONIC STRUCTURE/ METAL
69-HO-02  HOEGBERG, SANDSTROEM      AL ..THEORY/ PHONON FREQUECY SHIFT AND DAMPING
69-JH-01  JHONSON, WESTIN      AL ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ..METAL/ ION-ELECTRON INTERACTION MODEL
69-WA-05  WALLACE          AL ..THEORY/ PHONON DISPERSION
70-BI-01  BINDER           AL ..EXPERIMENT/ SCATTERING CROSS SECTION
70-BR-01  BRAUNECK, GAHN+      AL ..THEORY/ STRUCTURE FACTOR
70-CO-06  COULTHARD        SODIUM/ POTASSIUM/ ALUMINIUM/ LEAD ..THEORY/ LATTICE VIBRATION/ DISPERSION RELATION ..PRESSURE
70-GU-02  GUPTA, TRIPATHI      AL ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMIGS ..PSEUDOPOTENTIAL/ METAL
70-KO-01  KOEHLER, GILLIS+      AL ..THEORY/ ANHARMONICITY/ PHONON WIDTHS AND LIFETIMES/ METAL
70-SA-04  SANDSTROEM, HOEGBERG      AL ..THEORY/ ANHARMONICITY/ PHONON WIDTHS AND LIFETIMES/ METAL
70-WA-01  WALLACE          AL ..THEORY/ LOCAL PSEUDOPOTENTIAL MODEL
70-WE-05  WEYMOUTH, STEDMAN      AL ..EXPERIMENT/ LATTICE DYNAMICS/ FERMI SURFACE/ KOHN ANOMALIES
71-GI-03  GILLIS, KOEHLER      AL ..THEORY
71-NO-01  NOLTING          THEORY-OF-FLUIDS/ AL/ AR ..THEORY/ VAN-HOVE-CORRELATION-FUNCTION
71-SC-01  SCHMUCK          AL ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..PSEUDOPOTENTIAL/ OPW METHOD
71-SI-01  SINGH, SHARMA      CU/ AG/ AU/ AL/ NI/ NA/ CR/ FE ..THEORY/ DEBYE-WALLER FACTOR
72-GO-02  GOMPF, LAU+      PB/ AL/ CA ..EXPERIMENT/ PHONON SPECTRA/ COHERENT SCATTERING
72-PR-02  PRASAD, SRIVASTAVA      AL ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ DEBYE TEMPERATURE ..METAL/ T
73-KA-01  KACHHAVA         AL ..THEORY/ DISPERSION CURVE
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73-SH-05  SHUKLA, CAVALHEIRO      CU/ AG/ AL/ NI/ PD ..THEORY/ PHONON DISPERSION/ PHONON SPECTA/ FOURTH NEIGHBOURS FORCE
73-ST-01  STALLARD, DAVIS-JR      AL ..EXPERIMENT/ STRUCTURE FACTOR/ LIQUID METAL/ 703,1029 DC
74-BE-02  BERTONI, BORTOLANI+      LI/ NA/ AL/ PB/ ..THEORY/ PHONON DISPERSION/ THIRD ORDER PERTURBATION THEORY
74-BR-02  BREUER          AL ..COHERENT NEUTRON SCATTERING/ POLYCRYSTAL
74-CO-05  COWLEY          AL ..CALCULATION/ FREQUENCY SPECTRA/ BORN-VON KARMAN MODEL
74-HA-01  HAFNER, SCHMUCK      AL ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ KOHN EFFECT
74-RA-06  RAO             AL ..THEORY/ NONLOCAL OPTIMIZED MODEL POTENTIAL/ PHONON DISPERSION/ LIQUID RESISTIVITY
75-RE-02  REISSLAND, ESE      AL/ NA/ MG/ IN/ TL ..THEORY/ PHONON DISPERSION/ PHONON SPECTRA/ MODEL POTENTIAL CALCULATION
76-ED-02  EDER, KUNSCH      AL ..EXPERIMENT/ LIQUID STRUCTURE
77-BO-03  BONING, BAUER+      AL ..EXPERIMENT/ CONSTANT-Q METHOD ..FRENKEL DEFECT/ SHIFT OF TRANSVERSE PHONON FREQUENCY/
77-JA-01  JACUCCI, KLEIN      AL ..COMPUTER SIMULATION/ SCATTERING FUNCTION
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2. 2 ANTIMONY SB

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63-AR-01  ARNOLD, NERESON      GA/ IN/ SB/ AS ..EXPERIMENT/ SCATTERING AMPLITUDE
68-EL-01  EL-ELA, SALAMA+      SB ..TOTAL CROSS SECTION
71-SH-02  SHARP, WARMING      SB ..EXPERIMENT/ PHONON DISPERSION
71-SO-04  SOSNOWSKI, MALISZEWSKI+      SB ..EXPERIMENT/ PHONON DISPERSION/ 5-NEIGHBOURS MODEL FITTING
71-SO-05  SOSNOWSKI, MALISZEWSKI+      SB ..EXPERIMENT/ PHONON DISPERSION/ MODEL CALCULATION
71-SO-06  SOSNOWSKI, MALISZEWSKI+      SB ..EXPERIMENT/ PHONON DISPERSION
71-WA-06  WASEDA, SUZUKI      SB ..EXPERIMENT/ LIQUID/ STRUCTURE FACTOR
72-SO-03  SOSNOWSKI, CZACHOR+      SB ..EXPERIMENT/ PHONON DISPERSION/ FIVE-NEIGHBOUR MODEL FITTING
72-SO-04  SOSNOWSKI, CZACHOR+      SB ..EXPERIMENT/ PHONON DISPERSION/ MODEL FITTING/ FREQUENCY SPECTRUM
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2. 3 ARGON AR

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47-ME-01  MEHRINGER       AR ..MODEL CALCULATION/ PHONON-LIKE EXCITATION/ DISPERSION CURVE
59-DE-01  DE-GENNES       NEUTRON-SCATTERING-IN-FLUIDS/ AR ..SCATTERING THEORY/ ..LIQUID DYNAMICS/ MOMENTS METHOD
62-GI-01  GINGRICH, TOMPSON      ARGON ..EXPERIMENT/ LIQUID ..X-RAY
63-BR-02  BROCKHOUSE, BERGSMA+      SN/ H2,O/ AR/ HE ..EXPERIMENT/ LIQUID
64-KR-01  KROO, BORGONOVI+      AR ..EXPERIMENT/ LIQUID/ SOLID
64-RA-01  RAHMAN          AR ..THEORY/ MOLECULAR DYNAMICS ..LIQUID DYNAMICS/ DIGITAL COMPUTER SIMULATION
65-CH-02  CHEN, EDER+      NEON/ ARGON/ DEUTERIUM/ CARBON TETRAFLUORIDE ..EXPERIMENT/ LIQUID/ SIGMA(THETA,E)
65-DA-01  DASANNACHARYA, RAO      AR ..EXPERIMENT/ LIQUID/ SCATTERING LAW
65-GR-04  GRINDLAY, HOWARD      AR ..THEORY/ SOLID/ LATTICE DYNAMICS
65-KR-02  KROO, BORGONOVI+      AR ..EXPERIMENT/ LIQUID/ DISPERSION RELATION
65-RA-02  RANDOLPH        AR ..EXPERIMENT/ SCATTERING LAW/ FREQUENCY DISTRIBUTION ..LIQUID AND SOLID
65-SE-01  SEARS           NEUTRON-SCATTERING-IN-FLUIDS/ AR ..LIQUID/ CORRELATION FUNCTION
65-SI-04  SINGWI          ARGON ..THEORY/ LIQUID/ SCATTERING LAW ..COHERENT SCATTERING/ ONE-PHONON APPROXIMATION
66-DE-03  DESAI           AR ..THEORY/ LIQUID/ INTERMEDIATE SCATTERING FUNCTION
66-DE-05  DESAI, NELKIN      AR ..THEORY/ LIQUID ..COLLECTIVE MOTION IN LIQUID
66-ED-01  EDER, CHEN+      AR/ NE ..EXPERIMENT/ H IN LIQUID AR AND NE
66-GU-01  GUPTA, DAYAL      AR/ KR ..THEORY/ PHONON SPECTRA/ SPECIFIC HEAT
66-PA-03  PASKIN          REVIEW-ARTICLES/ AR/ NA/ CE/ RB ..LIQUID/ THEORY/ STRUCTURE FACTOR/ VELOCITY AUTOCORRELATION FU
66-RA-01  RAHMAN          NEUTRON-SCATTERING-IN-FLUIDS/ AR ..LIQUID/ FREQUENCY DISTRIBUTION ..COMPUTER EXPERIMENT/ 85,5DK
66-RA-02  RAHMAN          AR ..FREQUENCY DISTRIBUTION/ THEORY/ LIQUID/ MOLECULE DYNAMICS ..COMPUTER EXPERIMENT
67-BO-01  BOON, RICE      AR/ THEORY-OF-FLUIDS ..THEORY/ LIQUID ..MOMENTUM AUTO-CORRELATION FUNCTION
67-LE-02  LEVI            AR ..MOLECULAR DYNAMICS/ LIQUID/ FREQUENCY DISTRIBUTION/ THEORY
67-MI-01  MIKOLAJ, PINGS      AR ..LIQUID/ EXPERIMENT
67-MI-02  MIKOLAJ, PINGS      AR ..EXPERIMENT/ LIQUID ..RADIAL DISTRIBUTION/ -130DC--110DC/ X-RAY
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67-SC-02  SCHCROFT, MARCH      THEORY-OF-FLUIDS/ AR ..THEORY
67-SI-02  SINGWI, TOSI      THEORY-OF-FLUIDS/ ARGON ..THEORY/ LIQUID ..VELOCITY AUTO-CORRELATION
67-SK-02  SKOELD, LARSSON      AR ..EXPERIMENT/ LIQUID/ SCATTERING FUNCTION/ DISPERSION RELATION ..94DK
67-SK-04  SKOELD          AR ..LIQUID/ THEORY/ SCATTERING FUNCTION ..QUASIELASTIC SCATTERING
68-AG-02  AGRAWAL, DESAI+      NEUTRON-SCATTERING-IN-FLUIDS/ AR/ NA/ PB/ METHANE ..THEORY ..MODEL CALCULATION
68-AN-01  ANDRIESSE       AR ..THEORY/ LIQUID/ SCATTERING THEORY ..64DK
68-AN-02  ANDRUS, MUETHER+      AR ..LIQUID/ EXPERIMENT
68-AN-03  ANDRUS, MUETHER+      AR ..SCATTERING LAW/ EXPERIMENT/ LIQUID ..BE FILTER METHOD/ 87DK/ 97DK/ 111DK/ 124DK/ 22A
68-AN-04  ANDRUS, MUETHER+      AR ..EXPERIMENT/ TOF/ QUASI-ELASTIC
68-AN-05  ANDRUS, MUETHER+      AR ..LIQUID/ EXPERIMENT ..QUASI-ELASTIC PEAK/ TEMPERATURE DEPENDENCE/ 87,97,111,124 DEG.K
68-AR-01  ARDENTE, NARDELL+      AR/ NA ..THEORY/ LIQUID/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION/ SCATTERING FUNCTION
68-DE-04  DESAI, YIP      AR ..LIQUID/ SCATTERING FUNCTION ..94,4DK
68-EG-01  EGGER, GSANGER+      AR ..EXPERIMENT/ PHONON DISPERSION/ SINGLE CRYSTAL
68-FR-01  FRANCHETTI, MAZZA      AR/ NE/ HE ..THEORY/ MONATOMIC LIQUID/ RADIAL DENSTTY AND SCATTERIN FUNCTION
68-GL-03  GLASS, RICE      NEUTRON-SCATTERING-IN-FLUIDS/ AR ..THEORY/ LIQUID/ CORRELATION FUNCTION ..COHERENT-SCATTERING
68-MA-09  MARTIN, YIP      AR ..FREQUENCY DISTRIBUTION/ THEORY/ LIQUID/ STATISTICAL MECHANICS ..FLUCTUATION-DISSIPATION T
68-RI-01  RICHTER, VOSS      AR/ NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LINEARIZED VLASOV-BOLTZMAN EQUATION
68-RI-02  RICHTER, VOSS      AR ..THEORY,LIQUID/ QUASI-ELASTIC SCATTERING ..LINEARIZED VLASOV EQUATION
68-SI-01  SINGWI, SJOELANDER      AR ..THEORY/ LIQUID/ PAIR DISTRIBUTION FUNCTION ..85,9DK
68-SI-02  SINGWI, SKOELD+      NEUTRON-SCATTERING-IN-FLUIDS/ AR ..THEORY/ LIQUID/ MOLECULAR DYNAMICS
69-AN-01  ANDRIESSE, COMPAGNER+      AR ..EXPERIMENT/ GAS DYNAMICS
69-PA-01  PAGE, EGELSTAFF+      AR/ RB ..LIQUID/ STRUCTURE FACTOR
69-SC-01  SCHNEIDER, STOLL+      NEUTRON-SCATTERING-IN-FLUIDS/ AR ..DISPERSION
69-TA-01  TAHIR-KHELI, WU      AR ..CORRELATION FUNCTION/ LIQUID/ FREQUENCY DISTRIBUTION/ MEAN SQUARE DISPLACEMENT/ THEOR
70-AN-01  ANDRIESSE       AR ..INTERMEDIATE SCATTERING FUNCTION ..4A NEUTRONS
70-AN-02  ANDRIESSE       ARGON ..THEORY ..MODEL WHICH IS USEFUL FOR THE INTERPRETATION OF THE GAS DATA
70-BA-02  BARKER, KLEIN      AR ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ ANHARMONICITY
70-BA-04  BATCHELDER, COLLINS+      AR ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION CURVE
70-BO-01  BOBETIC, BARKER      AR ..THEORY/ SOLID/ LATTICE DYNAMICS/ ANHARMONICITY ..THREE-BODY FORCE/ SPECIFIC HEAT/ DEB
70-BR-04  BRUIN, HASMAN      ARGON ..INTERMEDIATE SCATTERING FUNCTION/ STRUCTURE FACTOR/ GAS
70-GL-01  GLYDE           NE/ AR/ KR/ XE ..THEORY/ ANHARMONICITY
70-GO-01  GOLDMAN, HORTON+      AR ..DISPERSION CURVE/ LIFETIME / THEORY/ SELF-CONSISTET APPROXIMATION
70-KI-03  KITAGAWA        AR/ KR/ POLYETHYLENE ..REVIEW/ LATTICE DYNAMICS
70-LE-02  LEECH, REISSLAND      NE/ AR/ KR/ XE ..THEORY/ LATTICE DYNAMICS/ ANHARMONICITY ..THERMODYNAMICAL PROPERTIES
70-LE-03  LEECH, REISSLAND      NE/ AR/ KR/ XE ..THEORY/ ANHARMONICITY ..SPECIFIC HEAT/ DEBYE TEMPERATURE/ THERMAL EXPANS
70-PA-05  PATHAK, SINGWI      THEORY-OF-FLUIDS/ ARGON ..THEORY/ LIQUID/ SCATTERIN LAW/ GAUSSIAN APPROXIMATION
70-SC-03  SCHNEIDER, BROUT+      AR ..THEORY
70-ZA-01  ZANDVELD, ANDRIESSE+      AR ..EXPERIMENT/ LIQUID/ VELOCITY AUTOCORRELATION FUNCTION ..MEAN SQUARE ATOMIC DISPL
71-BA-06  BARKER, FISHER+      THEORY-OF-FLUIDS/ AR ..COMPUTER-SIMULATION/ MONTE-CARLO ..THREE-BODY-INTERACTION
71-BA-08  BATCHELDER, HAYWOOD+      AR ..EXPERIMENT/ SOLID/ PHONON DISPERSION/ 4, 40, 77K
71-BA-09  BATCHELDER, COLLINS+      AR ..PHONON DISPERSION/ EXPERIMENT
71-CH-01  CHATURVEDI, BAIJAL      AR ..THEORY/ SPACE-TIME CORRELATION FUNCTION/ NON-GAUSSIAN EFFECT
71-DE-01  DE-WETTE, FOWLER      AR ..THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION FUNCTION ..THERMAL EXPANSION/ SPECI
71-DO-01  DORNER, EGGER      AR ..EXPERIMENT/ PHONON DISPERSION/ SOUND VELOCITY/ ELASTIC CONSTANT
71-EG-01  EGELSTAFF, PAGE+      RB/ AR/ C,CL4 ..EXPERIMENT/ TRIPLET CORRELATION FUNCTION/ THEORY
71-GU-02  GUPTA, GUPTA      AR/ KR/ XE ..THEORY/ PHONON DISPERSION AND SPECTRA/ ANHARMONIC POTENTIAL
71-HU-01  HUELLER         THEORY-OF-SOLIDS/ ARGON/ KRYPTON/ XENON ..CAUCHY-RELATION
71-JA-01  JAIN, BHANDARI      AR/ NA ..THEORY/ MEMORY FUNCTION/ LIQUID DYNAMICS
71-KL-01  KLEIN, BARKER+      THEORY-OF-SOLIDS/ AR ..4DK/ 40DK/ 77DK
71-LO-02  LOVESEY         THEORY-OF-FLUIDS/ AR ..TRIPLE-PEAK-STRUCTURE
71-NO-01  NOLTING         THEORY-OF-FLUIDS/ AL/ AR ..THEORY/ VAN-HOVE-CORRELATION-FUNCTION
71-VA-01  VAN-LOEF        AR ..EXPERIMENT/ LIQUID/ SELF-DIFFUSION
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71-WA-05  WASEDA, SUZUKI      CS/ AR ..THEORY/ LIQUID ..PAIR POTENTIAL/ BORN-GREEN EQUATION
72-AN-01  ANDRIESSE, LEGRAND      AR ..EXPERIMENT/ NEUTRON DIFFRACTION
72-BA-06  BARKER, GASKELL      ARGON/ THEORY-OF-FLUIDS ..CORRELATION FUNCTION
72-DU-01  DUBOIS          AR ..THEORY/ DISPERSION/ SCATTERING FUNCTION/ LIQUID DYNAMICS
72-FR-01  FRANCHETTI      AR/ ZN ..THEORY/ RADIAL DENSITY FUNCTION
72-HO-01  HORNER          HE/ NE/ AR ..THEORY/ PHONON DISPERSION/ SELFCONSISTENT TREATMENT
72-LA-01  LADO            AR ..THEORY/ DENSITY AUTOCORRELATION FUNCTION
72-PA-01  PAGE            AR ..EXPERIMENT/ LIQUD/ STRUCTURE FACTOR/ NEUTRON DIFFRACTION/ 84.5DK
72-PO-01  POLLOCK         AR ..THEORY/ LENNARD-JONES HARMONIC CRYSTALS
72-RO-03  ROWE, SKOELD      AR ..EXPERIMENT/ LIQUID/ 85.2K/ SCATTERING FUNCTION
72-SK-02  SKOELD, ROWE+      AR ..EXPERIMENT/ LIQUID/ SCATTERING LAW/ COHERENT AND INCOHERENT
72-SK-03  SKOELD, ROWE+      AR ..EXPERIMENT/ INELASTIC SCATTERING FUNCTION/ 85.2DK
72-TO-02  TOLPYGO, TROITSKAYA      NE/ AR/ KR ..DISPERSION CURVE
73-BA-01  BARKER, GASKELL      AR ..THEORY/ DYNAMIC STRUCTURE FACTOR
73-LO-04  LOVESEY         THEORY-OF-FLUIDS/ AR ..GENERALIZED LANGEVIN EQUATION/ SCATTERING FUNCTION
73-MA-01  MACHIDA, MURASE      THEORY-OF-FLUIDS/ AR ..SIMPLE LIQUID/ RELAXATION TIME FOR LONGTUDINAL MODE
73-SH-06  SHUKLA, SALZBERG      AR ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRA/ AXIALLY SYMMETRIC MODEL
74-CH-06  CHUNG, YIP      AR ..TEORY/ LIQUID ..LONGITUDINAL CURRENT CORRELATION FUNCTION
74-FU-01  FUJII, LURIE+      AR ..EXPERIMENT/ SOLID/ DISPERSION RELATION/ TRIPLE AXIS NEUTRON SPECTROMETER/ FREQUENCY SPE
74-JO-05  JORDAN          AR/ THEORY-OF-FLUIDS ..THEORY/ LIQUID/ CORRELATION FUNCTION ..DIFFUSION COEFFICIENT
74-OL-01  OLSSON, LARSSON      C.H4/ AR ..NEUTRON SCATTERING/ DIFFUSION CONSTANT
74-SC-04  SCHRODT, DAVIS      AR ..THEORY/ LIQUID ..HARD AND SOFT PARTS SEPARATION OF POTENTIAL/ THERMAL CONDUCTIVITY/ SE
74-TS-01  TSANG, MACLIN      AR ..VELOCITY CORRELATION/ LIQUID
75-BR-02  BROSTOW         AR ..THEORY/ INTERMOLECULAR POTENTIAL
75-FR-01  FRANCHETTI      AR ..THEORY/ DISPERSION/ RADIAL DISTRIBUTION
75-GA-01  GARG, GUPTA      NE/ AR/ KR/ XE ..LATTICE DYNAMICS/ ANHARMONICITY/ CENTRAL PORCE MODEL/ DISPERSION RELATION
75-GU-02  GUPTA, GARG      NE/ KR/ XE/ AR ..THEORY/ DISPERSION RELATION/ SOLID/ ANHARMONICITY
75-GO-01  GOETZE, LUECKE      THEORY-OF-FLUIDS/ AR ..CLASSICAL FLUID/ EXCITATION SPECTRUM
75-JH-01  JHON, FORSTER      THEORY-OF-FLUIDS/ AR ..THEORY/ DYNAMICAL STRUCTURE FACTOR
75-TE-04  TEWARI, TEWARI      THEORY-OF-FLUIDS/ AR ..THEORY/ LIQUID/ SCATTERING LAW/ CORRELATION FUNCTION ..HUBBARD AND B
75-YO-01  YOSHIDA, TAKENO      THEORY-OF-FLUIDS/ AR ..CLASSICAL SIMPLE LIQUID/ DYNAMICAL STRUCTURE FACTOR/ DISPERSION CUR
76-BO-02  BOHRA, GUPTA      THEORY-OF-SOLIDS/ AR/ KR/ XE ..THEORY/ SOLID/ LATTICE DYNAMICS ..KIHARA POTENTIAL/ PHONON GRE
76-CA-03  CARNEIRO        H2/ AR/ NEUTRON-SCATTERING-IN-FLUIDS/ NA ..FREQUENCY-SPECTRA
76-GO-03  GOETZE, ZIPPELIUS      THEORY-OF-FLUIDS/ AR/ RB ..SELF-CORRELATION FUNCTION/ CLASSICAL LIQUIDS
76-KA-01  KAHOL, BANSAL+      ARGON ..THEORY/ MOLECULAR DYNAMICS/ MODEL FITTING/ LIQUID
76-TE-01  TEWARI, TEWARI      AR/ NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID ..85.2DK
76-WA-04  WASEDA, SUZUKI      NE/ AR/ KR/ XE ..LIQUID/ PAIR POTENTIAL/ BORN-GREEN EQUATION
77-GA-03  GASKELL, CHIAKWELU      ARGON/ RUBIDIUM ..THEORY/ FREQUENCY SPECTRUM/ MEMORY FUNCTION
77-RA-04  RAND, RAO+      KR/ AR/ NE ..EXPERIMENT ..LIGHT SCATTERING/ ELASTIC CONSTANTS/ COMPARISON WITH NEUTRON SCATTERI
77-SC-04  SCHOMMERS       AR .. ..2-DIMENSION/ PAIR-CORRELATON
77-TA-02  TAUB, CARNEIRO+      AR ..EXPERIMENT/ DISPERSION RELATION/ CONSTANT-Q METHOD ..ADSORBED ARGON FILM IN GRAPHITE
77-VE-01  VESTNER, WALDMANN      NITROGEN/ ARGON ..GAS/ HYDRODYNAMICS ..FRICTIONAL AND THERMAL FORCES ON A SPHERICAL PART
77-YO-02  YOSHIDA, TAKENO      THEORY-OF-FLUIDS/ NEUTRON-SCATTERING-IN-FLUIDS/ AR ..INCOHERENT SCATTERING FUNCTION/ CLASS
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2. 4 ARSENIC AS

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63-AR-01  ARNOLD, NERESON      GA/ IN/ SB/ AS ..EXPERIMENT/ SCATTERING AMPLITUDE
76-RE-01  REICHARDT, RIEDER      ARSENIC ..EXPERIMENT/ PHONON DISPERSION/ BORN-VON-KARMAN FITTING
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2. 5 BARIUM BA

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73-PR-01  PRASAD, SRIVASTAVA     SA/ SR/ CA ..THEORY/ SOLID / DISPERSION RELATION/ LATTICE DYNAMICS ..PSEUDOPOTENTIAL
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2. 6 BERYLLIUM BE

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51-EG-01  EGELSTAFF       H/ BE/ V/ SE/ MO/ FE ..SOLID/ EXPERIMENT/ TRANSMISSION
58-EG-01  EGELSTAFF       BE/ MG/ SCATTERING-THEORIES ..THEORY/ EXPERIMENT/ SOLID/ SIGMA(E, E-PRIME, THETA)/ SIGMA(E) ..O
62-BR-04  BRUGGER         BE/ BE.O/ GRAPHITE/ H2.O/ D2.O/ METHANE/ PROPANE/ TERPHENYL/ COMPILATIONS ..SCATTERING FUNCTION
62-EG-04  EGELSTAFF       H2.O/ D2.O/ GRAPHITE/ BE ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ THEORY ..EVALUATION
62-EG-05  EGELSTAFF       MG/ BE/ PB ..THEORY/ SOLID/ LIQUID/ SIGMA(E, E-PRIME, THETA) ..METAL/ LIQUID METAL
62-SC-01  SCHMUNK, BRUGGER+      BE ..EXPERIMENT/ SOLID/ DISPERSION RELATION
63-SI-01  SINCLAIR        BE/ BE.O ..EXPERIMENT/ SCATTERING LAW/ FREQUENCY DISTRIBUTION/ TOF ..293 DK
64-FU-02  FULLWOOD, CAERTTNER+      BE ..NEUTRON SPECTRUM/ EXPERIMENT ..TIME AND BUCKLING DEPENDENT NEUTRON SPECTRUM
64-HA-02  HAYWOOD, SINCLAIR      GRAPHITE/ BE/ BE.O ..COMPILATION/ SCATTERING FUNCTION
64-SC-01  SCHMUNK         BE ..EXPERIMENT/ SCATTERING LAW/ FREQUENCY DISTRIBUTION ..COHERENT SCATTERING LAW/ ROOM TEMP,
64-YO-02  YOUNG, KOPPEL      BE/ MG/ ZN ..THEORY/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS ..ROOT SAMPLING METHOD
65-BE-01  BEYSTER, KOPPEL      D2.O/ H2.O/ POLYETHYLENE/ BE ..THEORY/ EXPERIMENT/ LIQUID/ SOLID/ CROSS SECTION EVALUATION
65-DE-03  DE-WAMES, WOLFRAM+      BE/ ZN ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
65-SC-01  SCHMUNK, BRUGGER+      AL/ BE ..EXPERIMENT/ SCATTERING FUNCTION/ TOF/ FREQUENCY DISTRIBUTION ..POLYCRYSTAL/ COH
65-YO-01  YOUNG, KOPPEL      BE/ C/ H2.O/ D2.O/ C.H2/ H2/ D2 ..THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATION
65-YO-04  YOUNG, KOPPER      BE ..POLYCRYSTAL/ SCATTERING LAW
66-AH-01  AHLERS          BE ..EXPERIMENT/ DEBYE TEMPERATURE ..HEAT CAPACITY/ FROM 1.4 DK TO 30 DK
66-SA-03  SAHM, VENKATARAMAN+      BE ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
66-SC-03  SCHMUNK         BE ..THEORY/ SOLID/ DISPERSION RELATION ..TEST OF SUM RULE
66-SC-04  SCHMUNK         BE ..EXPERIMENT/ DISPERSION RELATION ..(0001), (0110), (1120) DIRECTION/ DATA GIVEN IN GRAPHICA
66-YO-01  YOUNG           BE/ C/ BE.O ..SCATTERING FUNCTION/ THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DIS
67-KO-02  KOPPEL, MARADUDIN      BE ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..METAL
67-KO-04  KOPPEL, YOUNG      BE ..THEORY/ SOLID
67-NA-01  NAKAHARA, KATO      BE/ H2.O/ COMPUTER-CODES ..SOLID/ THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
68-BR-01  BROVMAN, KAGAN+      BE/ MG/ ZN ..THEORY/ LATTICE DYNAMICS
68-CZ-01  CZACHOR         MG/ ZN/ BE ..THEORY/ PHONON DISPERSION
68-GL-01  GLAESER         H2.O/ ZR-H/ GRAPHITE/ D2.O/ BE/ BE.O ..COMPILATION/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
68-GL-02  GLAESER         H2.O/ D2.O/ ZR-H/ GRAPHITE/ BE/ BE.O ..SCATTERING FUNCTION/ DIFFUSION PARAMETER/ COMPILATION
68-JO-01  JOHNSTON        BE ..THEORY/ SOLID/ HARMONIC APPROXIMATION/ SCATTERING LAW/ INCOHERENT APPROXIMATION/ FREQUENCY
68-KO-02  KOPPEL, YOUNG      BE ..LATTICE DYNAMICS/ SOLID/ THEORY/ DISPERSION RELATION
68-PA-01  PAGE, HAYWOOD      H2.O/ D2.O/ GRAPHITE/ BE/ BE.O ..COMPILATION/ LIQUID/ SOLID/ FREQUENCY DISTRIBUTION ..AT VAR
69-BO-06  BORGONOVI       BE ..CALCULATION/ COHERENT/ POLYCRYSTAL/ SCATTERING LAW
69-GI-02  GILAT, RIZZI+      BE/ MG/ ZN ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ..METAL/ MODEL POTENTIAL CALCULATION
69-JO-01  JOHNSTON        BE ..THEORY/ SOLID/ HARMONIC APPROXIMATION/ BORN-VON KARMAN MODEL/ SCATTERING LAW/ DEBYE-WALLER
69-KI-01  KING-3RD, CUTLER      BE ..DISPERSION RELATION/ SOLID/ THEORY/ LATTICE DYNAMICS ..PSEUDOPOTENTIAL/ PHONON/ META
69-ME-02  METZBOWER       BE/ MG/ ZN ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..NONCENTRAL-FORCE/ FIVE FORC
69-SA-05  SAHNI, VENKATARAMAN      BE ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..PSEUDOPOTENTIAL/ OPW METHO
70-BO-04  BORGONOVI, SPREVAK      BE ..THEORY,COHERENT SCATTERING/ POLYCRYSTAL
70-FR-01  FRAAS, PORTO+      BE ..EXPERIMENT/ RAMAN SCATTERING
70-KI-02  KING, CUTLER      BE ..LATTICE DYNAMICS/ THEORY/ SOLID/ DISPERSION RELATION ..HEXACONAL CLOSE-PACKED CRYSTAL/ P
70-PR-01  PRAKASH, JOSHI      BE/ MG/ ZN ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..SINGLE-ORTHOGONALIZED-PLANE-WA
70-SH-03  SHARAN, BAJPAI      BE/ MG/ TL ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..HEXAGONAL METAL
71-BE-03  BEZDEK, FINEGOLD      ZN/ BE ..THEORY/ LATTICE DYNAMICS
71-KU-02  KUSHWAHA        BE/ TL ..NON-CENTRAL FORCE MODEL
71-SR-01  SRINIVASAN, RAO      MG/ ZN/ BE ..THEORY/ PHONON DISPERSION/ ELASTIC CONSTANT/ ANHARMONICS
71-TH-01  THAPER, RAO+      BE ..EXPERIMENT/ PHONON DISPERSION/ MODIFIED AXIAL SYMMETRIC MODEL FITTING
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71-TR-05  TROTT, HEALD      BE/ MG/ ZN ..THEORY/ PHONON DISPERSION AND SPECTRA/ HEXAGONAL LATTICE
73-BO-04  BOSE, TRIPATHI+      BE/ MG/ ZN ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRUM/ SPECIFIC HEAT/ CENTRAL AND NON
73-KU-04  KUSHWAHA        MG/ BE/ TL ..THEORY/ PHONON DISPERSION/ SHORT-RANGE CLOSED-SHELL AND IONIC INTERACTION
73-RA-01  RAJPUT, KUSHWAHA      BE/ MG ..THEORY/ PHONON DISPERSION/ KREB MODEL
73-RO-03  ROY, DASANNACHARYA+      BE ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
73-UP-02  UPADHYAYA, VERMA      BE/ MG/ HO/ TL ..THEORY/ PHONON DISPERSION/ MODIFIED SHARMA-JOSHI MODEL
74-DA-02  DASANNACHARYA, IYENGAR+      BE ..EXPERIMENT/ PHONON DISPERSION/ SIX-NEIGHBOUR FORCE MODEL
75-KA-03  KANDA, KADOTANI+      BE ..TOTAL CROSS SECTION/ EXPERIMENT
75-MA-05  MAURYA, SRIVASTAVA      BE/ MG/ ZN ..THEORY/ PHONON DISPERSION/ HCP METAL/ TOYA THEORY
75-UP-01  UPADHYAYA, SINHA      BE/ MG/ Y/ HO ..THEORY/ EXPERIMENT/ DISPERSION RELATION ..BHATIA MODEL
76-DA-07  DAY, SUN+       BE/ LI ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL METHOD
76-ST-01  STEDMAN, AMILIUS+      BE ..EXPERIMENT/ PHONON DISPERSION/ NINE SYMMETRY LINE/ 80K
76-SU-01  SUN, DAY+       LI/ BE ..THEORY/ PHONON DISPERSION/ EFFECT OF CONDUCTION ELECTRON
77-JA-02  JANAK           BE ..SELF-CONSISTENT KKR ENERGY BAND CALCULATION
77-SH-03  SHARMA, UPADHYAYA      BE/ TB/ HO ..THEORY/ PHONON DISPERSION/ FORCE CONSTANT MODEL
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2. 7 BISMUTH BI

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64-YA-02  YARNELL, WARREN+      BI ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
66-EG-01  EGELSTAFF, DUFFILL+      PB/ SN/ BI/ ZN/ AL ..EXPERIMENT/ LIQUID/ STRUCTURE FACTOR
66-OE-01  OEHME, RICHTER      CS/ BI/ NA ..STRUCTURE FACTOR
67-CO-01  COCKING         AL/ PB/ BI/ RB/ SN ..SOLID/ LIQUID/ DISPERSION RELATION/ EXPERIMENT
67-SM-01  SMITH           BI ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION ..CONST.-Q METHOD/ 75DK
68-MA-10  MATEESCU, TEUTSCH+      N2/ BI ..EXPERIMENT/ TOF/ SCATTERING FUNCTION ..77.4DK FOR N2/ 560DK FOR BI
68-NO-01  NORTH, ENDERBY+      ZN/ TL/ PB/ SN/ BI ..EXPERIMENT/ LIQUID/ STATISTICAL MECHANICS ..LIQUID METAL/ 340DC-1100D
68-SO-01  SOSNOWSKI, BEDNARSKI+      BI ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ CONST-Q
68-TU-01  TUNKELO, KUOPPAMAKI+      BI ..EXPERIMENT/ LIQUID/ SOLID/ DISPERSION RELATION ..280DC FOR LIQUID/ 262DC FOR SOL
72-BU-01  BURENKOV, VALIEV+      BI ..EXPERIMENT/ ELASTIC CONSTANTS/ 300-544DK
72-KA-05  KAMMER, CARDINAL+      BI/ SN ..EXPERIMENT/ ELASTIC CONSTANT
77-SR-01  SRIVASTAVA      NA/ K/ HG/ BI/ NA-K ..THEORY/ INTERATOMIC FORCE CONSTANTS/ KNIGHT SHIFT/ FREQUENCY SPECTRUM ..P
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2. 8 BORON B

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64-AL-01  ALS-NIELSEN, DIETRICH      HE/ B/ AU ..EXPERIMENT/ CROSS SECTION
65-DO-05  DONALDSON, PASSELL+      B/ N/ O ..MIRROR REFLECTION/ SCATTERING AMPLITUDE
73-FO-01  FOLTER          I/ B ..THEORY/ DISPERSION FUNCTION/ BORN VON KARMAN MODEL
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2. 9 BROMINE BR

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62-CA-01  CAGLIOTI, RICCI      BR ..LIQUID/ EXPERIMENT
63-CA-01  CAGLIOTI, ASCARELLI      BR ..LIQUID/ EXPERIMENT
63-CO-07  COOTE, HAYWOOD      BR ..SCATTERING LAW/ EXPERIMENT/ LIQUID
64-AN-01  ANTONINI, ASCARELLI+      BR ..EXPERIMENT/ LIQUID
68-CA-02  CARPENTER, SCHAEFER      BR/ C2,F6 ..SCATTERING THEORY
73-MI-04  MISAWA, FUKUSHIMA+      BR/ NEUTRON-SCATTERING-IN-FLUIDS ..EXPERIMENT/ LIQUID/ T-O-F
74-NI-02  NIIMURA         BR ..ANALYSIS/ LIQUID STRUCTURE FACTOR
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2. 10 BROMINE BR2

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67-CA-03  CARPENTER      C2,F6/ BR2 ..SCATTERING LAW/ CORRELATION FUNCTION/ THEORY/ GAS/ MOLECULAR DYNAMICS ..TORSIONAL
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2. 11 CADMIUM CD

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71-TO-01  TOUSSAINT      CD ..EXPERIMENT/ PHONON DISPERSION/ X-RAY SCATTERING
72-ME-04  MENON, RAO     CD ..THEORY/ SOE,TOE/ THERMAL EXPANSION/ GRUNEISEN CONSTANT
72-TO-04  TOUSSAINT, CHAMPIER     CD ..X-RAY DIFFUSE SCATTERING/ 88DK/ PHONON DISPERSION/ MODEL FITTING/ FREQUENCY SPECT
75-CH-03  CHERNYSHOV, PARSHIN+     CD ..EXPERIMENT/ PHONON DISPERSION/ CD-110 ISOTOPE
75-SI-11  SINGH, MAURYA+     CD ..THEORY/ PHONON DISPERSION/ AXIALLY SYMMETRIC MODEL
76-CH-06  CHILD          CD ..QUASIECASTIC/ SHORT RANGE ORDER/ MAGNETIC
76-ER-01  EREMEEV, SADIKOV+     MG/ ZN/ CD ..EXPERIMENT/ SEPARATED ISOTOP CD-110,CD-111/ PHONON SPECTRA
77-MA-05  MAURYA, SRIVASTAVA     CD ..THEORY/ DISPERSION RELATION ..MODIFIED TOYA'S THEORY
77-SI-04  SINHA, UPADHYAYA     ZN/ CD ..THEORY/ PHONON DISPERSION
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2. 12 CALCIUM CA

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72-GO-02  GOMPF, LAU+     PB/ AL/ CA ..EXPERIMENT/ PHONON SPECTRA/ COHERENT SCATTERING
73-PR-01  PRASAD, SRIVASTAVA     BA/ SR/ CA ..THEORY/ SOLID / DISPERSION RELATION/ LATTICE DYNAMICS ..PSEUDOPOTENTIAL
73-SW-01  SWAROOP, BOHRA+     CA/ SR ..THEORY/ PHONON DISPERSION/ PHONON DENSITY/ DEBYE TEMP./ SHARMA-JOSHI MODEL
76-TA-03  TAUT, ESCHRIG     CA ..THEORY/ SOLID/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ DEBYE TEMPERATURE ..PSEUDO-
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2. 13 CARBON C

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65-YO-01  YOUNG, KOPPEL     BE/ C/ H2,O/ D2,O/ C,H2/ H2/ D2 ..THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATION
66-YO-01  YOUNG          BE/ C/ BE,O ..SCATTERING FUNCTION/ THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DIS
68-II-01  IIZUMI, AYAO     C ..SIGMA (E)
69-CO-04  COLLINS, HAYWOOD     C ..COHERENT INELASTIC SCATTERING/ CARBON FIBERS
76-CH-01  CHADI, MARTIN     C/ SI/ GE ..CALCURATION/ LATTICE DYNAMICAL PROPERTY/ ZONE BOUNDARY TRANSVERSE ACOUSTIC PHONO
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2. 14 CERIUM CE

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66-PA-03  PASKIN         REVIEW-ARTICLES/ AR/ NA/ CE/ RB ..LIQUID/ THEORY/ STRUCTURE FACTOR/ VELOCITY AUTOCORRELATION FU
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2. 15 CESIUM CS

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66-OE-01  OEHME, RICHTER     CS/ BI/ NA ..STRUCTURE FACTOR
69-PR-02  PRAKASH, JOSHI     LI/ NA/ K/ RB/ CS ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ SOLID/ LATTICE DYN
70-SI-04  SINGH, PRAKASH     LI/ RB/ K/ CS/ ..THEORY/ LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION ..ALKALI METAL
71-CO-04  COX, MINKIEWICZ     CS ..EXPERIMENT/ SCATTERING AMPLITUDE
71-KU-04  KUSHWAHA, SINGH     THEORY-OF-SOLIDS/ CS ,.THEORY/ PHONON DISPERSION
71-WA-05  WASEDA, SUZUKI     CS/ AR ..THEORY/ LIQUID ,.PAIR POTENTIAL/ BORN-GREEN EQUATION
72-SI-02  SINGH, PRAKASH     LI/ NA/ K/ RB/ CS ..THEORY/ DISPERSION CURVE
72-SI-03  SINGH, PRAKASH     LI/ NA/ K/ RB/ CS ..THEORY/ PHONON DISPERSION
74-JO-01  JOGI           RB/ CS/ PT ..THEORY/ PHONON DISPERSION/ ANGULAR FORCE MODEL
76-SR-01  SRIVASTAVA, MITRA+     CS/ NA/ K ..THORY OF SOLIDS/ FREQUENCIES VS. ATOMIC NUMBER/ THEORY
77-PR-02  PRASAD, SRIVASTAVA     RB/ CS ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
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2. 16 CHLORINE CL

75-GR-01 GROUT, LEECH+ C,S2/ CL ..THEORY/ LATTICE DYNAMICS/ SOLID

2. 17 CHROMIUM CR

65-MO-01 MOELLER, MACKINTOSH CR ..EXPERIMENT/ SOLID/ DISPERSION RELATION ..TRIPLE AXIS SPECTROMETER
67-GI-02 GILAT CR/ FE/ W/ THEORY-OF-SOLIDS ..THEORY/ PHONON SPECTRA/ BCC METALS
70-RI-01 RICE, HALPERIN CR ..THORY/ LATTICE VIBRATION ..FERMI SURFACE/ ELECTRON SUSCEPTIBILITY/ EFFECT OF THE KOHN
71-SH-03 SHAW, MUHLESTEIN CR ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ KOHN EFFECT/ FREUENCY SPECTRA
71-SH-04 SHAW, MUHLESTEIN CR ..EXPERIMENT/ PHONON DISPERSION/ FREQUENCY SPECTRUM/ KOHN ANOMARY
71-SO-01 SOKOLOFF CR ..THEORY
72-MU-01 MUHLESTEIN, GUERMEN+ CR ..EXPERIMENT/ PHONON DISPERSION/ 300DK TO 503DK
74-PA-03 PAL CR ..THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION/ DEBYE-WALLER FACTOR/ DISPERSION RELATION
75-SI-10 SINGH, SINGH+ CR ..THEORY/ SOLID/ DISPERSION RELATION/ LATTICE DYNAMICS ..DIELECTRIC FUNCTION/ PSEUDOPOTEN
76-JA-05 JAIN, GOHEL CR ..THEORY/ PHONON DISPERSION/ TRANSITION METAL/ B.C.C.
76-MO-02 MOON, KOEHLER+ REVIEW-ARTICLES/ CR/ V/ SC/ PD/ TI/ Y/ NB/ ..MAGNETIC FORM FACTOR
76-SI-03 SINGH, KHAROO+ FE/ CR/ W ..THEORY/ PHONON DISPERSION/ MODEL CALCULATION
77-PA-02 PARIKH, HAY V/ NB/ TA/ CR/ MO/ W/ FE ..THEORY/ PHONON DISPERSION/ ELASTIC CONSTANTS
77-SI-05 SINHA, KLINE+ CR ..EXPERIMENT/ MAGNETIC SCATTERING/ SPIN DYNAMICS

2. 18 COBALT CO

70-CZ-01 CZACHOR MG/ CO/ Y ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ BORN-VON KARMAN MODEL ..AXIAL
70-CZ-02 CZACHOR, RAUCA MG/ CO/ Y ..CALCULATION/ HEXAGONAL METAL/ FREQUENCY SPECTRA
74-KO-01 KOESTER, KNOPF+ CO ..SCATTERING AMPLITUDE
74-SI-02 SINGH, KUSHWAHA CO ..THEORY/ PHONON DISPERSION/ DEBYE TEMP.
77-GL-04 GLINKA, MINKIEWICZ+ CO ..EXPERIMENT/ SMALL ANGLE SCATTERNG/INELASTIC/ MAGNON

2. 19 COPPER CU

58-TO-01 TOYA CU ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
61-CR-01 CRIBIER, JACROT+ CU ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
62-LE-01 LEHMAN, WOLFRAM+ CU/ AL/ ZR-H ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
62-SO-01 SOSNOWSKI, KOZUBOWSKY CU ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
63-MA-02 MALISZEWSKI, SOSNOWSKI+ ZN/ CU/ MG ..EXPERIMENT
64-VI-01 VINTAIKIN, GORBACHEV+ CU ..DISPERSION RELATION/ SOLID/ EXPERIMENT
65-BL-01 BLECH, AVERBACH V/ CU ..THEORY/ MULTIPLE SCATTERING
65-SI-06 SINHA, SQUIRES CU ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ TOF
65-SL-01 SLATER V/ SI/ CU/ NEUTRON-SCATTERING-IN-SOLIDS ..HARMONIC APPROXIMATION/ DEBYE APPROXIMATION
66-BU-01 BUHRER, SCHNEIDER+ CU ..EXPERIMENT/ PHONON DISPERSION
66-DE-01 DE-WETTE, COTTERILL+ CU ..THEORY/ PHONON DISPERSION
66-SI-02 SINHA CU ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RERATION/ TOF ..ROOM TEMPERATURE
67-GU-01 GUPTA, SHARMA CU/ AU ..LATTICE DYNAMICS/ THEORY
67-NI-01 NICKLOW, GILAT+ CU ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION/ FREQUENCY SPECTRUM ..3-AXIS SPECTR
67-SV-02 SVENSSON, BROCKHOUSE+ CU ..EXPERIMENT/ PHONON DISPERSION/ FREQUENCY SPELRUM/ FORCE ANALYSIS
67-YU-01 YUEN, VARHNI CU ..LATTICE DYNAMICS/ THEORY/ DISPERSION RELATION/ FREQUENCY SPECTRUM ..FCC CUBIC METAL

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68-BU-01  BUHRER, SCHNEIDER+      CU ..PHONON DISPERSION
68-NI-03  NILSSON          CU ..EXPERIMENT/ LATTICE VIBRATION/ DISPERSION RELATION ..KOHN EFFECT
69-BE-01  BEHARI, TRIPHATHI      CU ..DISPERSION RELATION/ THEORY ..MODIFIED ANGULAR FORCE MODEL/ ELECTRON-ION INTERACTIO
69-BE-02  BEHARI, TRIPHATHI      CU ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..MODIFIED ANGULAR FORCE MODEL/ ELECT
69-KR-01  KREBS, HOELZL      LI/ NA/ K/ RB/ CU/ AL/ PB/ FE/ NI/ PT/ COMPUTER-CODES ..PSEUD-ION APPROXIMATION/ FITTING TO
70-BE-03  BEHARI, TRIPATHI      CU/ AG/ AU ..THEORY/ LATTICE VIBRATION/ DISPERSION RELATION ..NON-CENTRAL FORCE MODEL/ EL
70-BU-01  BUEHRER          CU ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVE/ CONST-Q METHOD ..PSEUDO-POTENTIAL ANALYSIS
71-BA-04  BAJPAI, NEELAKANDAN      CU ..THEORY/ DISPERSION CURVE/ MODIFIED AXIALLY SYMMETRIC MODEL/ EFFECT OF CONDUCTION
71-MI-01  MILLER, BROCKHOUSE      PD/ CU ..EXPERIMENT/ CALCULATION/ NEUTRON SCATTERING/ DISPERSION CURVE/ FREQUENCY SPECT
71-MO-01  MOSCINSKI, NAWALANY      THEORY-OF-FLUIDS/ CU
71-SH-01  SHARMA, SINGH      CU/ AG/ AU ..THEORY/ PHONON DISPERSION/ METAL
71-SH-07  SHUKLA, CAVALHEIRO      CU ..THEORY/ METAL/ PHONON DISPERSION/ DE-LAUNAY MODEL
71-SI-01  SINGH, SHARMA      CU/ AG/ AU/ AL/ NI/ NA/ CR/ FE ..THEORY/ DEBYE-WALLER FACTOR
72-PR-01  PRAKASH, JOSHI      CU ..THEORY/ DISPERSION RELATION
73-NI-04  NILSSON, ROLANDSON      CU ..EXPERIMENT/ PHONON DISPERSION/ 80K/ MODEL FITTING/ PHONON DENSITY
73-SH-04  SHUKLA, SALZBERG      CU ..THEORY/ PHONON DISPERSION/ BHATIA MODEL
73-SH-05  SHUKLA, CAVALHEIRO      CU/ AG/ AL/ NI/ PD ..THEORY/ PHONON DISPERSION/ PHONON SPECTA/ FOURTH NEIGHBOURS FORCE
73-SH-07  SHUKLA, CLOSS      CU ..THEORY/ PHONON DISPERSION
73-SH-10  SHUKLA, CLOSS      CU ..THEORY/ PHONON DISPERSION/ ANGULAR FORCE MODEL
73-SH-11  SHUKLA, CLOSS      CU ..THEORY/ PHONON DISPERSION/ LEHMAN AND KREB MODEL
73-SI-01  SINGH, PRAKASH      CU/ AG/ AU ..THEORY/ PHONON DISPERSION
74-CO-06  COWLEY, SHUKLA      CU ..ANHARMONICITY/ THERMODYNMIC QUANTITIES
74-GO-02  GOEL, PANDAY+      CU/ AG ..THEORY/ LATTICE DYNAMICS/ INTERATOMIC FORCE CONSTANT/ DISPERAION RELATION ..ELECTRO
75-CL-01  CLOSS, SHUKLA      CU/ AG/ AU ..THEORY/ PHONON DISPERSION/ SPECIFIC HEAT
75-FI-01  FIELEK          CU ..THEORY/ PHONON DISPERSION/ SCREENED SHELL MODEL
75-FI-02  FIELEK          CU/ NI ..THEORY/ PHONON DISPERSION/ METAL/ MODEL CALCULATION
75-GO-02  GOPALARAO, MURTHY      COPPER/ GOLD/ SILVER ..LIQUID NOBLE METAL ..STRUCTURE FACTOR
75-KU-01  KUMAR, TOLPADI      COPPER/ SODIUM ..DISPERSION RELATION
75-KU-02  KUMAR, TOLPADI      CU ..MODEL CALCULATION/ PHONON DISPERSION
76-GO-04  GOHEL, JANI      NA/ CU/ W ..DISPERSION RELATIONS/ CUBIC METAL/ THEORY
76-LA-03  LAROSE, BROCKHOUSE      CU ..EXPERIMENT/ PHONON DISPERSION/ 23-1063C/ TEMPERATURE EFFCT
77-GL-02  GLASS, BOFFI+      COPPER ..CALCULATION/ PHONON DISPERSION CURVE/ SCREW DISLOCATION/ SIMPLE CUBIC LATTICE MODEL
77-JA-03  JANDERWAL      CU ..SOLID/ THEORY/ LATTICE DYNAMICS ..SUBLATTICE FORCE CONSTANTS
77-NA-01  NAND, TRIPATHI      CU/ AG ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL
77-VA-02  VANDERWAL      GE/ CU ..CALCURATION/ ATOMIC FORCE-CONSTANT
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2, 20 DEUTERIUM D

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64-ST-01  STEHN, GOLDBERG+      H/ D/ H2,O/ D2,O/ HE/ LI/ BE/ GRAPHITE/ N/ O/ NE/ NA/ MG/ AL/ SI/ AR/ K/ COMPILATIONS ..S
65-CH-02  CHEN, EDER+      NEON/ ARGON/ DEUTERIUM/ CARBON TETRAFLUORIDE ..EXPERIMENT/ LIQUID/ SIGMA(THETA,E)
68-TA-02  TALHOUK, HARRIS+      D ..EXPERIMENT/ LIQUID/ MOLECULAR DYNAMICS ..20DK/ NEUTRON DIFFRACTION/ RADIAL DISTRIBUTI
70-KL-02  KLEIN, KOEHLER      D ..LATTICE DYNAMICS/ SOLID
71-NI-02  NIELSEN, MOLLER      D ..EXPERIMENT/ LATTICE DYNAMICS/ 50K/ DISPERSION RELATION
71-NI-03  NIELSEN, MOELLER      DEUTERIUM ..EXPERIMENT/ ORTHO-DEUTERIUM/ PHONON DISPERSION/ SOLID AT 5DK/ ELASTIC CONSTAN
73-NI-02  NIELSEN          H/ D ..EXPERIMENT/ PHONON DISPERSION/ PARA-H,ORTHO-D/ TEMPERATURE,PRESSURE EFFECT
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2, 21 DEUTERIUM D2

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64-YO-01  YOUNG, KOPPEL      H2/ D2 ..THEORY/ MOLECULAR DYNAMICS/ SCATTERING CROSS SECTION ..20,4DK
64-YO-04  YOUNG, KOPPEL      H2/ D2 ..THEORY/ MOLECULAR DYNAMICS/ LIQUID ..SCATTERING CROSS SECTION
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70-KL-03 KLUMP, SCHNEPP+ H2/ D2 ..FREQUENCY DISTRIBUTION/ THEORY/ SOLID

2, 22 DIAMOND DIAMOND

63-MI-01 MICHAELL, HARDY+ DIAMOND ..FREQUENCY SPECTRUM/ LATTICE DYNAMICS
64-YA-01 YARNELL, WARREN+ DIAMOND ..EXPERIMENT/ DISPERSION RELATION
65-WA-02 WARREN, WENZEL+ DIAMOND ..EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS
65-WA-03 WARREN DIAMOND ..THEORY/ PHONON DISPERSION
66-DO-02 DOLLING, COWLEY GE/ SI/ DIAMOND/ GA.AS ..COHERENT INELASTIC SCATTERING STUDIES/ PHONON DISPERSION
66-KU-01 KUCHER, NECHIPORUK DIAMOND ..THEORY/ PHONON DISPERSION
67-AG-01 AGGARWAL DIAMOND ..THEORY/ PHONON DISPERSION/ TWO-NEIGHBOUR BORN-VON KARMAN MODEL
67-BL-01 BLANCHARD, VARSHNI DIAMOND ..LATTICE DYNAMICS/ THEORY/ DISPERSION RELATION ..SHELL MODEL CALCULATION/ DEBY
67-MC-02 MCMURRY, SOLBRIG-JR+ DIAMOND ..LATTICE DYNAMICS/ DISPERSION RELATION/ THEORY
67-PE-02 PECKHAM DIAMOND ..PHONON DISPERSION RELATION
67-WA-02 WARREN, YARNELL+ DIAMOND ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION
68-MA-02 MARADUDIN, VOSKO DIAMOND ..GROUP THEORY/ LATTICE VIBRATION ..SYMMETRY PROPERTIES/ SPACE GROUP/ IRREDUCIBLE
69-MO-01 MONTGOMERY ZN.S/ DIAMOND/ SR.TI.O3 ..GROUP THEORY/ LATTICE VIBRATION ..SYMMETRY PROPERTIES
71-JE-03 JEX DIAMOND/ GE/ SI ..THEORY/ PHONON DISPERSION/ THERMAL PROPERTIES/ ANHARMONIC INTERACTION
72-TU-01 TUBINO, PISERI+ DIAMOND/ SI/ GE/ SN ..THEORY/ PHONON DISPERSION/ PHONON DENSITY/ VALENCE FORCE POTENTIAL
74-JO-03 JOHNSON, MOORE THEORY-OF-SOLIDS/ DIAMOND/ SI ..PHONON DISPERSION/ BOND CHARGE MODEL
76-AL-01 AL'TSHULER, VEKILOV+ DIAMOND/ TIN/ GERMANIUM ..THEORY/ PSEUDOPOTENTIAL METHOD/ PHONON DISPERSION

2, 23 ERBIUM ER

73-RA-03 RAO, MENON ER ..THEORY/ PHONON DISPERSION/ KEATING METHOD/ THERMAL EXPANSION/ PHONON DENSITIES

2, 24 EUROPIUM EU

76-CO-05 COOKE, DAVIS EUROPIUM ..CALCULATION/ EXCHANGE INTEGRAL

2, 25 GADOLINIUM GD

74-RA-04 RAO, MENON GADOLINIUM ..DISPERSION CURVE/ THEORY
76-FR-01 FREEMAN THEORY-OF-SOLIDS/ GD/ SC/ PD/ PT ..MAGNETIC FORM FACTORS/ METAL

2, 26 GALLIUM GA

63-AR-01 ARNOLD, NERESON GA/ IN/ SB/ AS ..EXPERIMENT/ SCATTERING AMPLITUDE
67-RA-06 RAO, DASANNACHARYA+ GA ..EXPERIMENT/ LIQUID/ RADIAL DISTRIBUTION
69-WA-01 WAEBER GA ..THEORY/ LATTICE DYNAMICS/ ..GROUP-THEORETICAL ANALYSIS
69-WA-02 WAEBER GA ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ TRIPLE-AXIS SPECTROMETER ..77DK
70-VA-01 VADOVIC, COLVER AG/ GA/ HG/ NA/ PB/ SN/ ZN ..THEORY/ SELF-DIFFUSION CONSTANT
72-AN-03 ANTONINI, CORCHIA GA ..EXPERIMENT/ LIQUID STRUCTURE/ MULTIPLE SCATTERING
72-AN-05 ANTONINI, CORCHIA GA ..DYNAMICS OF LIQUIDS
72-WA-01 WAEBER GA/ THEORY-OF-SOLIDS ..THEORY/ SOLID/ LATTICE DYNAMICS ..METAL/ ORTHORHOMBIC
73-BR-01 BREBNER, JANDL+ GA/ SE ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ INELASTIC NEUTRONSCATTERING
73-LO-01 LOEFFLER GALLIUM ..EXPERIMENT/ SCATTERING LAW/ LIQUID/ 305.1253K

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73-PA-01  PAGE, SAUNDERSON+      GA ..STRUCTURE FACTOR/ LIQUIDS ..QUASI-ELASTIC PEAK
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2. 27 GERMANIUM GE

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57-BR-01  BROCKHOUSE, IYENGAR      GE ..EXPERIMENT/ PHONON DISPERSION
58-BR-04  BROCKHOUSE, IYENGER      GE ..EXPERIMENT/ DISPERSION RELATION
59-BR-02  BROCKHOUSE      GE ..EXPERIMENT/ DISPERSION RELATION
59-BR-03  BROCKHOUSE      GE/ SI ..EXPERIMENT/ DISPERSION RELATION
59-GH-01  GHOSE, PALEVSKY+      GE ..EXPERIMENT/ DISPERSION RELATION
63-BR-03  BROCKHOUSE, BECKA+      GE ..EXPERIMENT/ LATTICE DYNAMICS
63-BR-04  BROCKHOUSE, DASANNACHAYA      GE ..EXPERIMENT/ DISPERSION RELATION ..TEMPERATURE EFFECTS
65-DO-04  DOLLING         GE/ SI ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
65-PO-02  POPE            GE ..LATTICE DYNAMICS/ SOLID/ THEORY
66-DO-02  DOLLING, COWLEY      GE/ SI/ DIAMOND/ GA,AS ..COHERENT INELASTIC SCATTERING STUDIES/ PHONON DISPERSION
71-JE-03  JEX             DIAMOND/ GE/ SI ..THEORY/ PHONON DISPERSION/ THERMAL PROPERTIES/ ANHARMONIC INTERACTION
71-NI-05  NILSSON, NELIN      GE ..EXPERIMENT/ DISPERSION CURVE/ LATTICE DYNAMICS/ BODK/ LINE WIDTH
72-JE-01  JEX             GE/ SI ..THEORY/ PHONON/ ANHARMONIC INTERACTION
72-KR-01  KRESS           GE/ SN ..THEORY/ PHONON DISPERSION/ MODIFIED SHELL MODEL
72-NE-01  NELIN, NILSSON      GE ..EXPERIMENT/ CALCULATION/ PHONON DENSITY
72-NI-03  NILSSON, NELIN      GE/ SI ..LATTICE DYNAMICS/ NEUTRON SPECTROSCOPY
72-PA-03  PANDY, DAYAL      GE ..THEORY/ LATTICE/ DYNAMICS/ DISPERSION RELATION
72-TU-01  TUBINO, PISERI+      DIAMOND/ SI/ GE/ SN ..THEORY/ PHONON DISPERSION/ PHONON DENSITY/ VALENCE FORCE POTENTIAL
73-PA-05  PANDEY, DAYAL      SI/ GE ..THEORY/ PHONON DISPERSION/ CLARK-GAZIS-WALLIS TYPE ANGULAR FORCE MODEL/ FOUR PARAME
73-TH-01  THORPE          GE/ SI ..THEORY/ SOLID/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION ..BORN MODEL
74-AX-02  AXE, KEATING+      GE ..EXPERIMENT/ FREQUENCY SPECTRA/ AMORPHOUS MATERIAL
74-NE-01  NELIN           GE ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..DEFORMATION DIPOLE MODEL/ SHELL DIP
74-NE-02  NELIN, NILSSON      GE ..EXPERIMENT/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ CRYSTAL SPECTROMETER
74-NE-04  NELIN           GE ..THEORY/ SOLID/ LATTICE DYNAMICS/ HARMONIC APPROXIMATION/ DISPERSION RELATION ..SHELL DIPOL
74-NE-05  NELIN, NILSSON      GE ..EXPERIMENT/ ON RELATION ..DOUBLE MONOCHROMATOR CRYSTAL SPECTROMETER
74-WE-01  WEAIRE, ALBEN      GE ..THEORY/ NEUTRON SPECTRUM ..AMORPHOUS SOLID
75-AL-01  ALBEN, WEAIRE+      SI/ GE ..EXPERIMENT/ RAMAN,IR SPECTRA/ PHONON SPECTRA/ NUMERICAL CALCULATION/ PREDICTION FO
75-CH-02  CHEN, VETELINO+      GE/ SI ..THEORY/ SOLID/ FREQUENCY DISTRIBUTION ..AMORPHOUS SOLID/ RIGID ION MODEL
76-AL-01  AL'TSHULER, VEKILOV+      DIAMOND/ TIN/ GERMANIUM ..THEORY/ PSEUDOPOTENTIAL METHOD/ PHONON DISPERSION
76-CH-01  CHADI, MARTIN      C/ SI/ GE ..CALCURATION/ LATTICE DYNAMICAL PROPERTY/ ZONE BOUNDARY TRANSVERSE ACOUSTIC PHONO
77-VA-02  VANDERWAL       GE/ CU ..CALCURATION/ ATOMIC FORCE-CONSTANT
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2. 28 GOLD AU

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64-AL-01  ALS-NIELSEN, DIETRICH      HE/ B/ AU ..EXPERIMENT/ CROSS SECTION
67-GU-01  GUPTA, SHARMA      CU/ AU ..LATTICE DYNAMICS/ THEORY
70-BE-03  BEHARI, TRIPATHI      CU/ AG/ AU ..THEORY/ LATTICE VIBRATION/ DISPERSION RELATION ..NON-CENTRAL FORCE MODEL/ EL
71-SH-01  SHARMA, SINGH      CU/ AG/ AU ..THEORY/ PHONON DISPERSION/ METAL
71-SI-01  SINGH, SHARMA      CU/ AG/ AU/ AL/ NI/ NA/ CR/ FE ..THEORY/ DEBYE-WALLER FACTOR
71-SW-01  SWAROOP, TIWARI      AU ..THEORY/ PHONON DISPERSION
73-LY-01  LYNN, SMITH+      AU ..DISPERSION RELATION/ INELASTIC NEUTRON SCATTERING/ FREQUENCY DISTRIBUTION/ EXPERIMENT
73-SI-01  SINGH, PRAKASH      CU/ AG/ AU ..THEORY/ PHONON DISPERSION
74-KH-01  KHANNA, UPADHYAY+      AU ..DISPERSION-CURVES
74-SI-01  SIGH, PRAKASH      AU ..DISPERSION-CURVES
75-CL-01  CLOSS, SHUKLA      CU/ AG/ AU ..THEORY/ PHONON DISPERSION/ SPECIFIC HEAT
75-GO-02  GOPALARAO, MURTHY      COPPER/ GOLD/ SILVER ..LIQUID NOBLE METAL ..STRUCTURE FACTOR
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75-NA-01  NAND, TRIPATHI      AU ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..PSEUDOPOTENTIAL
75-TI-02  TIWARI          AU ..THEORY/ PHONON DISPERSION/ KREB MODEL
76-CA-07  CAVALHEIRO, SHUKLA      AU ..THEORY/ PHONON DISPERSION/ DE LAUNEY MODEL


2, 29  GRAPHITE                                    GRAPHITE

51-KO-01  KOMATSU, NAGAMIYA      GRAPHITE ..THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
53-KR-01  KRAMHANSL, BROOKS      GRAPHITE ..THEORY/ SOLID/ LATTICE DYNAMICS
53-RO-01  ROSENSTOCK      GRAPHITE ..THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
55-JA-01  JACROT, NETTER+      GRAPHITE/ H2.O/ D2.O ..EXPERIMENT/ LIQUID/ SOLID
55-KO-01  KOMATSU         GRAPHITE ..THEORY/ LATTICE DYNAMICS ..SPECIFIC HEAT
56-BA-01  BALDOCK         GRAPHITE ..FREQUENCY SPECTRUM/ THEORY/ SOLID/ LATTICE DYNAMICS
56-YO-01  YOSHIMORI, KITANO      GRAPHITE ..THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
58-MC-01  MCREYNOLS, NELKIN+      H2.O/ POLYETHYLENE/ ZR-H/ MG-H/ GRAPHITE ..EXPERIMENT/ THEORY/ LIQUID/ SOLID
61-EG-02  EGELSTAFF, COCKING      GRAPHITE ..EXPERIMENT/ SCATTERING LAW/ FREQUENCY SPECTRUM ..24DC/ 336DC/ 425DC/ 610DC/
61-PA-03  PARKS           GRAPHITE ..LATTICE DYNAMICS
61-PA-04  PARKS           GRAPHITE ..THEORY ..SCATTERING KERNELS
61-WO-01  WOODS, BROCKHOUSE+      GRAPHITE/ H2.O/ D2.O/ ZR-H/ LI.H/ NA.H/ N.H4.CL ..EXPERIMENT/ CRYSTAL SPECTROMETER/ FRE
62-BR-04  BRUGGER         BE/ BE.O/ GRAPHITE/ H2.O/ D2.O/ METHANE/ PROPANE/ TERPHENYL/ COMPILATIONS ..SCATTERING FUNCTION
62-DO-01  DOLLING, BROCKHOUSE      GRAPHITE ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
62-EG-04  EGELSTAFF       H2.O/ D2.O/ GRAPHITE/ BE ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ THEORY ..EVALUATION
62-KO-04  KOTHARI         GRAPHITE ..DIFFUSION PARAMETER
62-MA-01  MACDOUGALL      GRAPHITE ..THEORY/ NEUTRON SPECTRUM/ SCATTERING FUNCTION/ CROSS SECTION EVALUATION
62-PA-01  PARKS, BEYSTER+      GRAPHITE ..EXPERIMENT/ NEUTRON SPECTRA
62-SC-02  SCHOFIELD       H2.O/ GRAPHITE ..THEORY/ COMPILATION
63-EG-04  EGELSTAFF, HARRIS      GRAPHITE ..EXPERIMENT/ FREQUENCY DISTRIBUTION/ ..HIGH FREQUENCY MODE/ 950DC
63-HA-04  HAYWOOD, THORSON      GRAPHITE ..EXPERIMENT/ FREQUENCY DISTRIBUTION
64-HA-02  HAYWOOD, SINCLAIR      GRAPHITE/ BE/ BE.O ..COMPILATION/ SCATTERING FUNCTION
64-KE-01  KELLY           GRAPHITE ..THEORY/ SOLID/ LATTICE DYNAMICS
64-KO-01  KOMATSU         GRAPHITE ..THEORY/ LATTICE DYNAMICS ..SPECIFIC HEAT
64-WI-01  WIKNER, JOANOU+      GRAPHITE ..EXPERIMENT/ LATTICE VIBRATION/ FREQUENCY DISTRIBUTION/ SCATTERING FUNCTION/ NEU
64-WI-02  WILSON          GRAPHITE ..THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
65-WH-01  WHITEMORE       POLYETHYLENE/ GRAPHITE/ METHANE/ ZR-H/ Y-H/ LA-H ..EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERI
65-WH-02  WHITTEMORE      GRAPHITE ..EXPERIMENT
65-YO-02  YOUNG, KOPPEL      GRAPHITE ..THEORY/ FREQUENCY SPECTRAM/ BORN-VON KARMAN MODEL
65-YO-03  YOUNG, WIKNER+      GRAPHITE ..THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION/ NEUTRON SPECTRUM ..SCATTERING
66-BE-06  BEYSTER, NEILL+      H2.O/ D2.O/ ZR-H/ GRAPHITE/ BE.O ..NEUTRON SPECTRUM/ COMPILATION/ LIQUID/ GAS
66-ME-01  MEERS           GRAPHITE ..EXPERIMENT/ LATTICE DYNAMICS
66-WH-02  WHITTEMORE      D2.O/ GRAPHITE ..EXPERIMENT/ SCATTERING FUNCTION ..24DC
66-WO-01  WORDEN, PURCELL+      H2.O/ D2.O/ GRAPHITE ..NEUTRON SPECTRUM/ SIGMA(E,E-PRIME)
67-GL-01  GLAESER         REVIEW-ARTICLES/ H2.O/ ZR-H/ GRAPHITE/ D2.O/ BE/ BE.O ..INCOHERENT APPROXIMATION/ MUTIPLE SCATT
67-PA-01  PAGE            GRAPHITE ..SCATTERING FUNCTION/ EXPERIMENT ..HIGH TEMPERATURE
67-WH-01  WHITTEMORE      D2.O/ H/ GRAPHITE ..CROSS SECTION EVALUATION/ LIQUID/ SOLID/ EXPERIMENT/ SCATTERING FUNCTION
68-BO-06  BOWMAN, KRUMHANSL      GRAPHITE ..THEORY/ LATTICE DYNAMICS
68-CA-04  CARVALHO        GRAPHITE ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT ..TOF/ 533DK
68-ER-01  EREMEEV, MOSTOVOI+      GRAPHITE ..SCATTERING FUNCTION/ EXPERIMENT ..15DC/ 490DC/ 1000DC
68-GL-01  GLAESER         H2.O/ ZR-H/ GRAPHITE/ D2.O/ BE/ BE.O ..COMPILATION/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
68-GL-02  GLAESER         H2.O/ D2.O/ ZR-H/ GRAPHITE/ BE/ BE.O ..SCATTERING FUNCTION/ DIFFUSION PARAMETER/ COMPILATION
68-PA-01  PAGE, HAYWOOD      H2.O/ D2.O/ GRAPHITE/ BE/ BE.O ..COMPILATION/ LIQUID/ SOLID/ FREQUENCY DISTRIBUTION ..AT VAR
68-PA-02  PAGE            GRAPHITE ..EXPERIMENT/ TOF/ FREQUENCY DISTRIBUTION ..1800DK
68-WH-01  WHITTEMORE      GRAPHITE ..CROSS SECTION EVALUATION/ EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERING FUNCTION
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69-CO-03  COLLINS, HAYWOOD      GRAPHITE ..EXPERIMENT/ DISPERSION CURVE ..ALONG C-AXIS
69-TA-02  TAKAHASHI        GRAPHITE ..THEORY/ LATTICE DYNAMICS/ SCATTERING FUNCTION ..COHERENT SCATTERING/ COMPUTER CALCUL
70-CO-04  CONN             GRAPHITE ..THEORY/ SPECTRAL DENSITY/ SIGMA(E)
71-RO-07  ROY              GRAPHITE ..EXPERIMENT/ TEMPERATURE EFFECT/ PHONON FREQUENCY
72-BU-02  BUTLAND, MADDISON      GRAPHITE ..REVIEW/ EVALUATION/ SPECIFIC HEAT
72-BU-05  BUTLAND          GRAPHITE ..SCATTERING MATRICES/ PHONON SPECTRUM/ SPECIFIC HEAT/ ASSUMING ISOTROPIC STRUCTURE
72-GA-01  GAUSTER          GRAPHITE ..THEORY/ SOLID ..ELASTIC CONSTANTS
72-NI-01  NICKLOW, WAKABAYASHI+      GRAPHITE ..PHONON DISPERSION
73-NA-01  NAKAHARA         GRAPHITE/ REVIEW-ARTICLES ..THEORY, SCATTERING LAW/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION/ D
73-RO-01  ROSS             GRAPHITE ..EXPERIMENT/ T-O-F/ PHONON DISPERSION/ 20, 1000 AND 1920DC
74-MA-02  MANI, RAMANI      GRAPHITE ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..TENSOR FORCE MODEL
74-RA-01  RAFIZADEH        GRAPHITE ..THEORY/ BORN-VON KARMAN MODEL/ DISPERSION RELATION/ MEAN SQUARE DISPLACEMENT/ CENTRA
76-KJ-01  KJEMS, PASSELL+      GRAPHITE ..EXPERIMENT/ NEUTRON SPECTRUM ..ADSORBED NITROGEN FILM STUDY/ 10 TO 90DK/ PHASE
76-MA-05  MARTIN, CAISLEY      GRAPHITE ..SMALL ANGLE SCATTERING
77-BR-02  BROCKHOUSE, SHIRANE      GRAPHITE ..EXPERIMENT/ PHONON DISPERSION/ TEMPERATURE EFFECT/ 1200DC
77-NI-01  NICHOLSON, BACON      GRAPHITE ..FORCE CONSTANT MODEL/ ELASTIC CONSTANT/ PHONON DISPERSION CURVE
77-WA-02  WAKABAYASHI      MO.S2/ GRAPHITE/ NB.S2/ PB.I2 ..THEORY/ PHONON DISPERSION/ LAYERER STRUCTURES
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2. 30 HAFNIUM HF

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70-SH-05  SHARAN, BAJPAI      ZR/ HF ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ DEBYE TEMPERATURE
72-KU-04  KUSHWAHA, KUMAR      TI/ HF/ Y ..THEORY/ PHONON DISPERSION/ H.C.P. TRANSITION METAL
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2. 31 HELIUM HE

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57-CO-01  COHEN, FEYNMANN      HE ..THEORY/ SCATTERING BY ROTON
57-EG-01  EGELSTAFF, LONDON      HE ..LIQUID/ EXPERIMENT / SIGMA(E)/ SIGMA(E, THETA) ..LIQUID HELIUM
57-PA-01  PALEVSKY, OTNES+      HE ..EXPERIMENT/ ROTON
58-HE-01  HENSHAW          HE ..EXPERIMENT/ LIQUID/ DISPERSION RELATION
58-PA-01  PALEVSKY, OTNES+      HE ..EXPERIMENT/ ROTON/ DISPERSION RELATION
58-YA-01  YARNELL, ARNOLD+      HE ..EXPERIMENT/ ROTON/ DISPERSION CURVE/ LIQUID ..1.4DK
59-YA-01  YARNELL, ARNOLD+      HE ..EXPERIMENT/ LIQUID/ ROTON EXCITATION/ DISPERSION RELATION ..1.1DK
60-CO-01  COHEN            HE ..THEORY/ LIQUID
60-CO-02  COHEN            HE ..THEORY,NEUTRON SCATTERING,THERMODYNAMICS
61-HE-03  HENSHAW, WOODS      HE ..EXPERIMENT/ LIQUID/ DISPERSION RELATION ..1.78-4.21DK
61-PA-02  PALEVSKY         HE ..EXPERIMENT/ LIQUID/ DISPERSION RELATION
62-PA-02  PARRY, TURNER      HE/ NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID/ SCATTERING LAW/ CORRELATION FUNCTION ..LI
63-BR-02  BROCKHOUSE, BERGSMA+      SN/ H2.O/ AR/ HE ..EXPERIMENT/ LIQUID
64-AL-01  ALS-NIELSEN, DIETRICH      HE/ B/ AU ..EXPERIMENT/ CROSS SECTION
64-ST-01  STEHN, GOLDBERG+      H/ D/ H2.O/ D2.O/ HE/ LI/ BE/ GRAPHITE/ N/ O/ NE/ NA/ MG/ AL/ SI/ AR/ K/ COMPILATIONS ..S
65-BO-02  BORST            HE ..THEORY
65-GL-04  GLASSGOLD        HE ..THEORY
65-WO-03  WOODS            HE ..EXPERIMENT/ LIQUID/ DISPERSION RELATION
67-BI-02  BITTER, GISSLER+      HE ..EXPERIMENT/ PHONON DISPERSION
67-BI-03  BITTER, GISSLER+      HE ..PHONON DISPERSION
67-DE-03  DEWETTE, NOSANOW+      HE ..THEORY/ LATTICE VIBRATION/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
67-KI-04  KITCHENS, MINKIEWICZ+      HE ..SOLID/ EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS ..THREE CRYSTAL SPECTR
67-KO-01  KOEHLER          HE ..THEORY/ LATTICE DYNAMICS
67-LI-01  LIPSCHULTZ, MINKIEWICZ+      HE ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
67-MO-02  MORLEY           HE ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..HCP PHASE/ 0DK/ DE
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67-PL-02  PLUMMER, SUMMERFIELD+      HE ,,THEORY/ DISTRIBUTION FUNCTION/ GAS ,,DIFFERENTIAL SCATTERING CROSS SECTION/ 5-6
68-BR-05  BRUN, SINHA+      HE ,,EXPERIMENT/ DISPERSION RELATION ,,4,2DK
68-CO-09  COWLEY, WOODS      HE ,,LIQUID/ EXPERIMENT/ SCATTERING FUNCTION ,,1.1DK/ 4,2DK
68-EC-01  ECKSTEIN, VARGA      HE ,,THEORY/ LIQUID/ STATISTICAL MECHANICS
68-FR-01  FRANCHETTI, MAZZA      AR/ NE/ HE ,,THEORY/ MONATOMIC LIQUID/ RADIAL DENSTTY AND SCATTERIN FUNCTION
68-MI-04  MINKIEWIEZ, KITCHENS+      HE ,,EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ,,1.03DK
68-SH-01  SHAH            HE ,,LIQUID/ EXPERIMENT ,,HE-3/ X-RAY SCATTERING/ HIGH-FREQUENCY-SOUND VELOCITY
68-WO-01  WOODS, COWLEY      HE ,,EXPERIMENT/ LIQUID/ TOF/ CONST.-Q ,,1.1DK-4.2DK
69-FE-03  FERNANDEZ, GERSCH      HE ,,GROUND STATE/ THEORY ,,ENERGY WIDTH OSCILLATION
69-KL-01  KLEMENS, LIPSCHULTZ      HE ,,SOLID/ THEORY
69-MO-03  MORLEY, KLIEWER      HE ,,DISPERSION RELATION/ THEORY/ FREQUENCY DISTRIBUTION/ SOLID ,,SOUND VELOCITY/ SELF-CON
70-GL-02  GLYDE, COWLEY      HE ,,ANHAMONCITY
70-GO-02  GOLDMAN, HORTON+      NE/ HE ,,SELF-CONSISTENT APPROXIMATION/ DISPERSION CURVE/ LIFE TIME/ THEORY
70-HA-02  HARLING         HE ,,EXPERIMENT/ EXCITATION CURVE
70-HO-01  HORNER          HE ,,THEORY/ PHONON/ SPECIFIC HEAT
70-KE-05  KERR, PATHAK+      HELIUM ,,THEORY/ LIQUID/ SCATTERING LAW/ GAUSSIAN APPROXIMATION ,,LARGE MOMENTUM TRANSFER/ 0
70-LA-03  LAI, SIM+       HE ,,DISPERSION CURVE/ THEORY
70-LA-04  LAI, SIM+       HE ,,THEORY/ PHONON DISPERSION/ LIQUID
70-MA-04  MARIS, MASSEY      HE ,,THEORY/ PHONON DISPERSION
70-PI-02  PINES, WOO      HE ,,THEORY/ STRUCTURE FACTOR/ PHONON DISPERSION/ LIQUID
70-PU-01  PUFF, TENN      HE ,,THEORY
70-SE-01  SEARS           HE ,,THEORY/ LIQUID
70-WE-04  WERTHAMER       HELIUM ,,THEORY/ SOLID ,,PHONON RELAXATION
70-WO-01  WOODS, COWLEY      HE ,,SUPERFLUID
71-CO-02  COWLEY, WOODS      HE ,,EXPERIMENT/ LIQUID/ PHONON DISPERSION
71-GI-01  GILLESSEN, BIEM      HE ,,THEORY/ PHONON DAMPING/ SOLID HE
71-GL-01  GLYDE, KHANNA      HE ,,THEORY
71-HA-05  HARLING         HE ,,DYNAMICS OF LIQUID
71-RE-01  REESE, SINHA+      HE ,,EXPERIMENT/ PHONON DISPERSION/ 4,2K/ PHONON DENSITY
71-SP-01  SPCSITO         HE ,,THEORY
71-TR-02  TRAYLOR, STASSIS+      HE ,,EXPERIMENT/ PHONON DISPERSION/ FCC HE
72-DI-01  DIETRICH, GRAF+      HE ,,EXPERIMENT/ LIQUID/ ROTON DISPERSION/ LINE WIDTH
72-DR-02  DROZ            HE ,,LIQUID DYNAMICS
72-GI-01  GILBERT         HE ,,FOURIER TRANSFORM OF SCATTERED INTENSITY/ PROBABILITY DENSITY
72-GL-02  GLYDE, KHANNA      HE ,,THEORY/ PHONON DISPERSION/ T-MATRIX/ SCH APPROXIMATION
72-HA-05  HAVLIN, LUBAN      HE ,,THEORY
72-HO-01  HORNER          HE/ NE/ AR ,,THEORY/ PHONON DISPERSION/ SELFCONSISTENT TREATMENT
72-HO-02  HORNER          THEORY-OF-SOLIDS/ HE/ NE ,,QUANTUM CRYSTALS/ PHONON SPECTRUM
72-HO-03  HORNER          HE/ NE ,,THEORY/ SCATTERING FUNCTION/ SINGLE-PARTICLE EXCITATION/ QUANTUM CRYSTAL
72-KE-01  KERR, PATAAK+      HE ,,THEORY
72-KI-02  KITCHENS, SHIRANE+      HE ,,EXPERIMENT/ SOLID HE/ SINGLE PARTICLE EXITATIONS
72-KO-01  KOEHLER, WERTHAMER      HE ,,THEORY/ DISPERSION RELATION
72-MO-01  MOOK, SCHERM+      HE ,,EXPERIMENT/ HIGH ENERGY NEUTRON SCATTERING
72-OS-01  OSGOOD, MINKIEWICZ+      HE ,,EXPERIMENT/ PHONON DISPERSION
72-RA-06  RAO, MENON      HELIUM ,,DISPERSION-RELATION
72-SE-02  SEARS           HELIUM ,,ANHARMONICITY/ FREQUENCY-SPECTRUM
72-SO-01  SOLANA, CELLI+      HE ,,THEORY/ TWO-ROTON RESONANCE/ ROTON DISPERSION/ LINEWIDTH
72-SV-01  SVENSSON, WOODS+      HE ,,LIQUID DYNAMICS/ PHONON DISPERSION
72-TA-01  TAKENO, GODA      THEORY-OF-FLUIDS/ HE ,,THEORY/ PHONON-LIKE EXCITATION/ LIQUID HELIUM
72-TA-02  TAKENO, GODA      THEORY-OF-SOLIDS/ THEORY-OF-FLUIDS/ HE ,,THEORY/ PHONON-LIKE EXCITATION
72-TR-02  TRYLOR, STASSIS+      HE ,,EXPERIMENT/ PHONON DISPERSION/ FCC HE-4
72-WE-01  WERTHAMER       HE ,,THEORY
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72-WO-01  WOODS, SVENSSON+      HE ..EXPERIMENT/ LIQUID DYNAMICS/ LOW-MOMENTUM-TRANSFER
72-YA-01  YAMADA, ISHIKAWA      HE ..THEORY/ PHONON DISPERSION/ LIQUID HELIUM
73-HO-01  HOMNA, NAGAI+      HE ..THEORY/ PHONON VELOCITY AND DISPERSION/ BCC SOLID HE
73-JA-01  JACKSON         HE ..SUPERFLUID
73-KE-01  KEBUKAWA, YAMASAKI+      HE ..THEORY/ LIQUID/ PHONON-ROTON DISPERSION
73-KE-02  KEBUKAWA        HE ..THEORY/ PHONON VELOCITY/ ROTON MINIMUM/ TEMPERTURE EFFECT/ CIQUID
73-MI-03  MINKIEWICZ, KITCHENS+      HE ..DISPERSION CURVE
73-NI-05  NISHIYAMA       HE ..THEORY/ LIQUID HE/ ROTON DISPERSION AND LEVEL DENSITY
73-WO-01  WOODS, SVENSSON+      HE ..SUPERFLUID/ PRESSURE EFFECT
74-BR-03  BROOKS, DONNELLY      THEORY-OF-FLUIDS/ HE ..SECOND SOUND
74-GR-01  GRAF, MINKIEWICZ+      HE ..EXPERIMENT/ INELASTIC NEUTRON SCATTERING/ SOLIDS/ SCATTERING LAW/ DISPERSION RELATI
74-IA-01  IACHELLO, RASETTI      HE ..THEORY/ PHONON DISPERSION
74-KU-02  KURIHARA, KURODA+      HE ..THEORY/ SOLID HE/ BCC/ PHONON DISPERSION
74-LE-01  LEE, LEE        THEORY-OF-FLUIDS/ HE ..DISPERSION RELATION
74-MO-01  MOOK            HE ..INELASTIC NEUTRON SCATTERING/ SCATTERING LAW
74-OH-01  OHMI, KAWAMOTO+      HE ..THEORY/ ROTON SPECTRUM/ HE-3-AND HE-4 MIXTURE
74-SC-02  SCHERM, STIRLING+      HE ..HE-3/ S(Q,W)
74-TS-02  TSUZUKI         HE ..THEORY/ LIQUID HE/ ROTON DISPERSION/ TEMPERATURE EFFECT
75-BA-02  BARKER, GASKEL      THEORY-OF-SOLIDS/ HE ..THEORY/ LIQUID/ CURREN CORRELATION FUNCTION/ SCATTERING LAW
75-LO-01  LOVESEY         HE ..TTHEORY/ LIQUID/ STRUCTURE FACTOR/ SCATTERING LAW/ CORRELATION FUNCION ..ISOTHERMAL SUSCEP
75-ME-01  MEIER, BECK+      HE ..THEORY/ LIQUID/ DISPERSION RELATION
76-BE-04  BENIN           HE ..THEORY/ PHONON WIDTH AND LIFETIME ..SUPERFLUID STATE/ 0.25DK
76-CA-04  CARNEIRO, ELLENSON+      HELIUM ..ADSORBED/ GRAPHITE/ MONOLAYER/ ELASTIC/ INELASTIC/ SUPERFLUID/ COLLECTIVE EXC
76-CO-11  COWLEY          HE ..EXPERIMENT/ HE-4,HE-3/ QUANTUM LIQUIDS
76-CO-13  COWLEY          HE ..RECENT MEASUREMENTS/ QUANTUM LIQUID
76-DA-02  DASANNACHARYA, KOLLAR+      HE ..EXPERIMENT/ RAYLEIGH AND BRILLOUIN SCATTERING
76-GL-03  GLYDE, KHANNA      HELIUM ..CALCULATION/ DYNAMICAL FORM FACTOR/ LIQUID HELIUM/ RANDOM PHASE APPROXIMATION/ ZERO
76-GL-04  GLYDE, KHANNA      HE ..THEORY/ PARTICLE AND SPIN CORRELATION/ 3HE/ EXPERIMENT
76-GO-01  GOETZE, LUECKE      HE ..DYNAMICAL STRUCTURER FACTOR/ LIQUID HE-2
76-GO-02  GOETZE, LUECKE      HE ..DYNAMICAL STRUCTURE FACTOR/ LIQUID HE-2
76-HI-02  HILTON, STIRLING+      HE ..EXPERIMENT/ EXCITATION SPECTRUM
76-SE-01  SEARS           NEUTRON-SCATTERING-IN-FLUIDS/ HE ..THEORY/ SCATTERING SIGMA/ ABSORBING MEDIA
76-SK-01  SKOELD, PELIZZARI+      HE ..EXPERIMENT/ SCATTERING FUNCTION/ 0.015K
76-SK-02  SKOLD, PELIZZARI+      HE ..EXPERIMENT/ 0.015K/ HE-3/ SPIN FLUCTUATION SCATTERING/ ZERO SOUND MODE
76-ST-06  STIRLING, SCHERM+      HE ..NEUTRON INELASTIC SPECTRUM/ TIME OF FLGHT METHOD/ CONTNUED FRACTIONMETHOD
76-SV-01  SVENSSON, MARTELL+      HE ..EXPERIMENT/ SCATTERING FUNCTION
76-SV-02  SVENSSON, STIRLING+      HE ..EXPERIMENT/ DISPERSION/ LOW Q PART
76-WO-02  WOODS, SVENSSON+      HE ..EXPERIMENT/ SCATTERING LAW/ DISPERSION
77-DO-02  DONNELLY, ROBERTS      HE ..EXPERIMENT ..ROTON ENERGY / HE(II)/ BELOW 1DK
77-EC-01  ECKERT, THOMLINSON+      HE ..EXPERIMENT/ PHONON DISPERSION/ 38K,4.9KBAR/ PHONON SPECTRUM
77-GO-04  GOLUB, PENDLEBURY      HE ..THEORY/ ULTRA-COLD NEUTRON
77-SK-01  SKOELD, PELIZZARI      HE ..EXPERIMENT/ ZERO-SOUND MODE/ SPIN-FLUCTUATION
77-WO-02  WOODS, HILTON+      HELIUM ..DISPERSION CURVE/ NEUTRON INELASTIC SCATTERING/ LIQUID HELIUM/ EXPERIMENT/ SCATTER
77-WO-03  WOODS, SEARS      HELIUM ..NEUTRON-SCATTERING EXPERIMENT/ AVERAGE KINETIC ENERGY/ LIQUID HELIUM/ FREQUENCY MOME
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2, 32 HOLMIUM HO

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69-LE-02  LEAKE, MINKIEWICZ+      HO ..DISPERSION RELATION/ TRIPLE AXIS SPECTROMETER/ LATTICE DYNAMICS ..295DK/ PARAMAGNE
70-LA-02  LAHTEENKORVA      MG/ Y/ HO ..DISPERSION RELATION/ HARMONIC APPROXIMATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..EL
71-NI-01  NICKLOW, WAKABAYASHI+      HO ..EXPERIMENT/ PHONON DISPERSION CURVES/ FREQUENCY DISTRIBUTION/ SPECIFIC HEAT/ DE
72-ME-05  MENON, RAO      HO/ Y ..THEORY/ PHONON DISPERSION/ HEXAGONAL METAL
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73-UP-02  UPADHYAYA, VERMA      BE/ MG/ HO/ TL ..THEORY/ PHONON DISPERSION/ MODIFIED SHARMA-JOSHI MODEL
75-CA-06  CAVALHEIRO, SHUKLA      SC/ TB/ HO/ TL/ ZR ..THEORY/ PHONON DISPERSION/ DE-LAUNAY MODEL
75-UP-01  UPADHYAYA, SINHA      BE/ MG/ Y/ HO ..THEORY/ EXPERIMENT/ DISPERSION RELATION ..BHATIA MODEL
77-SH-03  SHARMA, UPADHYAYA      BE/ TB/ HO ..THEORY/ PHONON DISPERSION/ FORCE CONSTANT MODEL
77-SI-01  SINGH, SINGH+      ZN/ ZR/ TL/ TB/ HO ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL APPROACH
77-UP-01  UPADHYAYA, ANIMALU      TB/ HO ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
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2. 33 HYDROGEN H

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51-EG-01  EGELSTAFF       H/ BE/ V/ SE/ MO/ FE ..SOLID/ EXPERIMENT/ TRANSMISSION
51-ME-01  MESSIAH         H/ C.H4 ..THEORY/ SCATTERING THORY ..ROOM TEMP.
58-BR-01  BRIMBERG        H ..THEORY/ MOLECULAR DYNAMICS/ SIGMA(E)
63-MC-01  MCREYNOLDS, WHITTEMORE      H ..EXPERIMENT/ LIQUID
63-WH-01  WHITTEMORE, DANNER      H ..EXPERIMENT/ LIQUID/ SIGMA (E,E-PRIME,THETA)
64-EG-02  EGELSTAFF, HAYWOOD+      H ..EXPERIMENT/ SOLID/ LIQUID ..12, 15, 18 AND 21DK
64-ST-01  STEHN, GOLDBERG+      H/ D/ H2.O/ D2.O/ HE/ LI/ BE/ GRAPHITE/ N/ O/ NE/ NA/ MG/ AL/ SI/ AR/ K/ COMPILATIONS ..S
64-WH-01  WHITTEMORE      C.H4/ H ..EXPERIMENT/ LIQUID/ MOLECULAR DYNAMICS ..NEUTRON SPECTRA/ TOTAL CROSS SECTION
65-HO-04  HORSLEY         H ..CROSS SECTION EVALUATION ..SIGMA TOTAL
65-NA-02  NALIBOFF        COMPUTER-CODES/ HYDROGEN ..THEORY/ LIQUID
65-SE-02  SEARS           H ..SCATTERING LAW
66-KO-04  KOPPEL          H2.O/ POLYETHYLENE/ ZR-H/ H ..CROSS SECTION EVALUATION/ SCATTERING FUNCTION/ THEORY/ LIQUID/ SO
67-WH-01  WHITTEMORE      D2.O/ H/ GRAPHITE ..CROSS SECTION EVALUATION/ LIQUID/ SOLID/ EXPERIMENT/ SCATTERING FUNCTION
68-ST-01  STAMENKOVICH      H ..DOUBLE-POTENTIAL-WELL/ HYDROGEN BOND ..SIGMA (THETA,E)/ THEORY/ MOLECULAR DYNAMICS
70-OL-01  OLIVI           HYDROGEN ..MOLECULAR ROTATION/ SIGMA(THETA,E) ..DIFFERENTIAL CROSS SECTION
70-SC-04  SCHOTT          H ..EXPERIMENT
70-SC-06  SCOTT, RIEFSCHEL      H ..EXPERIMENT/ PHONON STATE DENSITY/ QUADRUPOLE INTERACTION CONSTANT
71-HO-02  HOUK, SHAMBROOM+      H ..EXPERIMENT/ PARAHYDROGEN/ SCATTERING LENGTH
71-ST-05  STOCKMEYER      H ..THEORY/ SOLID HYDROGEN/ PHONON
72-LE-04  LEFEVRE, CHEN+      H ..EXPERIMENT/ QUASI-ELASTIC SCATTERING/ PRESSURE DEPENDENCE/ KINETIC THEORY ANALYSIS
72-NI-02  NIELSEN, CARNEIRO      H ..EXPERIMENT/ PHONON DISPERSION/ SOLID PARAHYDROGEN
73-NI-02  NIELSEN         H/ D ..EXPERIMENT/ PHONON DISPERSION/ PARA-H,ORTHO-D/ TEMPERATURE,PRESSURE EFFECT
73-SE-01  SEARS           NEON/ RUBIDIUM/ HYDROGEN/ THEORY-OF-FLUIDS ..THEORY/ FLUID/ SCATTERING FUNCTION
74-BI-01  BICKERMAN, BIEM+      HYDROGEN ..THEORY/ SOLID ORTHO-HYDROGEN/ PHONON DISPERSION AND SPECTRA/ SCATTERING FUNCTI
76-EB-01  EBNER, MYLES      HYDROGEN ..NEUTRON SCATTERING/ THEORY/ ORTHO-PARA HYDROGEN MIXTURE/ SOLID
76-PO-01  POSTOL, CHEN+      H ..GASEOUS HYDROGEN/ QUASIELASTIC/ SELFDIFFUSION
77-CH-02  CHEN, POSTOL+      HYDROGEN ..EXPERIMENT/ QUASI-ELASTIC SCATTERING/ DENSE GAS/ SELF-DIFFUSION COEFFICIENT/ DENS
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2. 34 HYDROGEN H2

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37-SC-01  SCHWINGER, TELLER      H2 ..THEORY/ TOTAL CROSS SECTION
41-SA-01  SACHS, TELLER      NEUTRON-SCATTERING-IN-FLUIDS/ H2/ C.H4/ N.H3/ H2.O ..SCATTERING THEORY ..MOLECULAR GASES
47-HA-01  HAMMERMESH, SCHWINGER      H2 ..THEORY/ GAS/ SCATTERING CROSS SECTION
61-SA-01  SARMA           H2 ..THEORY/ MOLECULAR DYNAMICS/ LIQUID
63-BA-02  BALLY, TARINA+      H2/ ETHYLENE ..EXPERIMENT
63-WE-01  WEBB            C.H4/ N.H3/ H2 ..SIGMA(E,E-PRIME,THETA)/ EXPERIMENT/ GAS ..ROOM TEMPERATURE
64-YO-01  YOUNG, KOPPEL      H2/ D2 ..THEORY/ MOLECULAR DYNAMICS/ SCATTERING CROSS SECTION ..20.4DK
64-YO-04  YOUNG, KOPPEL      H2/ D2 ..THEORY/ MOLECULAR DYNAMICS/ LIQUID ..SCATTERING CROSS SECTION
65-KO-02  KOPPEL, YOUNG      H2 ..THEORY/ MOLECULAR DYNAMICS/ DIFFERENTIAL CROSS SECTION ..20.5DK
67-EG-01  EGELSTAFF, HAYWOOD+      H2 ..MOLECULAR DYNAMICS/ SOLID/ LIQUID/ EXPERIMENT
67-EG-07  EGELSTAFF, HAYWOOD+      H2 ..EXPERIMENT/ MOLECULAR MOTION/ LIQUID AND SOLID
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67-EL-04  ELLIOTT, HARTMAN      H2 ,,MOLECULAR DYNAMICS/ THEORY/ SIGMA(THETA,E)
70-KL-01  KLEIN, KOEHLER      H2 ,,DISPERSION RELATION
70-KL-03  KLUMP, SCHNEPP+      H2/ D2 ,,FREQUENCY DISTRIBUTION/ THEORY/ SOLID
70-MI-02  MISENTA, OLIVI      H2 ,,THEORY/ DIFFERENTIAL CROSS SECTION
71-BI-01  BIEM, MERTENS      H2 ,,THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRA/ SOLID HYDROGEN
71-NO-02  NOOLANDI        H2 ,,THEORY/ SOLID
71-ST-03  STEIN, STOCKMEYER+      H2 ,,EXPERIMENT/ SOLID HYDROGEN/ T-O-F SPECTRA/ PHONON DENSITY
72-JA-01  JACOBI, SCHNEPP      C.O2/ H2/ N2 ,,THEORY/ LATTICE DYNAMICS ,,QUADRAPOL-QUADRAPOL POTENTIAL
72-ST-02  STEIN           H2 ,,EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ SCATTERING LAW/ FREQUENCY DISTRIBUTION
72-ST-03  STEIN, STILLER+      H2 ,,LATTICE AND MOLECULAR DYNAMICS
74-CA-02  CARNEIRO        H2/ N2 ,,EXPERIMENT/ PHONON LIKE EXCITATION/ LIQUID DYNAMICS
74-CA-03  CARNEIRO, NIELSEN      H2 ,,EXPERIMENT/ PHONON DISPERSION/ LIQUID DYNAMICS
75-DI-03  DIEHL, BIEM      H2 ,,THEORY/ SCATTERING CROSS SECTION/ ORTHO-PARA CONVERSION
76-CA-03  CARNEIRO        H2/ AR/ NEUTRON-SCATTERING-IN-FLUIDS/ NA ,,FREQUENCY-SPECTRA
77-UT-01  UTSURO          H2 ,,CALCULATION/ SIMPLE DYNAMIC MODEL/ CROSS SECTION/ ENERGY SPECTRUM
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2. 35 INDIUM IN

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63-AR-01  ARNOLD, NERESON      GA/ IN/ SB/ AS ,,EXPERIMENT/ SCATTERING AMPLITUDE
72-KU-03  KUMAR, SHARAN      IN ,,THEORY/ PHONON DYSPERSION/ DEBYE TEMPERATURE
73-GU-01  GUNTON, SAUNDERS      IN/ IN-TL ,,THEORY/ PHONON DISPERSION/ MARTENSITIC PHASE CHANGE
73-SH-02  SHARAN, KUMAR      IN ,,THEORY/ PHONON DISPERSION/ DEBYE TEMP./ ELASTIC CONSTANT
75-RE-02  REISSLAND, ESE      AL/ NA/ MG/ IN/ TL ,,THEORY/ PHONON DISPERSION/ PHONON SPECTRA/ MODEL POTENTIAL CALCULATION
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2. 36 IODINE I

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73-FO-01  FOLTER          I/ B ,,THEORY/ DISPERSION FUNCTION/ BORN VON KARMAN MODEL
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2. 37 IRON FE

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61-IY-01  IYENGAR, SATYA-MURTHY+      FE ,,EXPERIMENT/ DISPERSION RELATION
62-LO-01  LOW             FE ,,EXPERIMENT/ SOLID/ DISPERSION RELATION
66-MA-02  MAHESH, DAYAL      FE/ MO/ W ,,THEORY/ PHONON DISPERSION AND FREQUENCY DISTRIBUTION
67-BE-01  BERGSMA, VAN-DIJK+      FE ,,DISPERSION RELATION/ EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ CRYSTAL SPECTROMETER/ BO
67-BR-01  BROCKHOUSE, ABOU-HELAL+      FE ,,LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION
67-GI-02  GILAT           CR/ FE/ W/ THEORY-OF-SOLIDS ,,THEORY/ PHONON SPECTRA/ BCC METALS
67-MI-03  MINKIEWICZ, SHIRANE+      FE ,,EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ,,ROOM
67-VA-01  VAN-DINGENEN, HAUTECLER      FE ,,EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ,,ROOM TEMPERATURE/ TOF MET
68-VA-02  VAN-DIJK, BERGSMA      FE/ FE-AL ,,EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
70-VA-03  VAN-DIJK        FE/ FE-AL ,,EXPERIMENT/ LATTICE DYNAMICS/ PHONON DISPERSION
72-BA-05  BAJPAI, NEELAKANDAN      FE/ NB/ TA/ W ,,THEORY/ PHONON DISPERSION/ BCC METAL/ MODIFIED AXIALLYSYMMETRIC MODEL
72-BE-01  BEHARI, TRIPATHI      FE/ MO/ W ,,THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRA
75-SC-01  SCHAERPF, SEIFERT      INSTRUMENTS-AND-METHODS/ FE ,,SMALL ANGLE SCATT./ BLOCH WALL/ MAGNETIC SCATT.
75-UP-03  UPADHYAYA, SHARMA+      FE/ W/ MO/ V/ NB/ TA ,,LATTICE DYNAMICS/ DISPERSION RELATION/ TRANSITION METAL/ THEORY/
76-BR-01  BRESCANSIN, PADIAL+      FE/ MO/ W/ NB/ TA/ CR ,,THEORY/ PHONON DISPERSION/ TRANSITION METAL/ MODEL CALCULATION
76-SI-03  SINGH, KHAROO+      FE/ CR/ W ,,THEORY/ PHONON DISPERSION/ MODEL CALCULATION
76-SI-05  SIROTA, BULAT      FE ,,EXPERIMENT/ PHONON SPECTRUM
77-WE-01  WEBER, STEEB+      FE ,,EXPERIMENT/ MAGNETIC SCATTERING
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2. 38 KRYPTON KR

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61-CL-01  CLAYTON, HEATON      KR ..EXPERIMENT/ STRUCTURE FACTOR/ LIQUID/ RADIAL DISTRIBUTION ..117,133,153,183 AND 210DK
66-GU-01  GUPTA, DAYAL      AR/ KR ..THEORY/ PHONON SPECTRA/ SPECIFIC HEAT
67-BR-03  BROWN, HORTON      KR ..LATTICE DYNAMICS/ THEORY/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..73DK
67-DA-01  DANIELS, SHIRANE+      KR ..EXPERIMENT/ PHONON DISPERSION/ 79DK
67-HO-03  HOEGBERG, BOHLIN      KR ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
70-GL-01  GLYDE           NE/ AR/ KR/ XE ..THEORY/ ANHARMONICITY
70-KI-03  KITAGAWA        AR/ KR/ POLYETHYLENE ..REVIEW/ LATTICE DYNAMICS
70-LE-02  LEECH, REISSLAND      NE/ AR/ KR/ XE ..THEORY/ LATTICE DYNAMICS/ ANHARMONICITY ..THERMODYNAMICAL PROPERTIES
70-LE-03  LEECH, REISSLAND      NE/ AR/ KR/ XE ..THEORY/ ANHARMONICITY ..SPECIFIC HEAT/ DEBYE TEMPERATURE/ THERMAL EXPANS
71-BA-07  BARKER, BOBETIC+      KR ..THEORY/ PHONON DISPERSION/ ELASTIC CONSTANT
71-GU-02  GUPTA, GUPTA      AR/ KR/ XE ..THEORY/ PHONON DISPERSION AND SPECTRA/ ANHARMONIC POTENTIAL
71-HU-01  HUELLER         THEORY-OF-SOLIDS/ ARGON/ KRYPTON/ XENON ..CAUCHY-RELATION
72-BO-01  BOBETIC, BARKER+      KR ..THEORY/ DEBYE PARAMETER/ THERMAL EXPANSION/ BULK MODULVS
72-TO-02  TOLPYGO, TROITSKAYA      NE/ AR/ KR ..DISPERSION CURVE
73-PE-01  PETER, SKALYO+      KR ..SOLID/ EXPERIMENT/ ELASTIC CONSTANTS/ ..COLD NEUTRON
73-SA-02  SALZBERG, SHUKLA      KR ..THEORY/ PHONON DISPERSION/ PHONON SPECTRUM/ AXIALLY SYMMETRIC MODEL
73-WI-02  WINFIELD, EGELSTAFF      KR/ THEORY-OF-FLUIDS ..TRIPLET CORRELATION
74-SK-01  SKALYO-JR., ENDOH+      KR ..PHONON DISPERSION CURVE/ FREQENCY DISTRIBUTION/ INELASTIC NEUTRON SCATTERING
75-GA-01  GARG, GUPTA      NE/ AR/ KR/ XE ..LATTICE DYNAMICS/ ANHARMONICITY/ CENTRAL FORCE MODEL/ DISPERSION RELATION
75-GU-02  GUPTA, GARG      NE/ KR/ XE/ AR ..THEORY/ DISPERSION RELATION/ SOLID/ ANHARMONICITY
76-BO-02  BOHRA, GUPTA      THEORY-OF-SOLIDS/ AR/ KR/ XE ..THEORY/ SOLID/ LATTICE DYNAMICS ..KIHARA POTENTIAL/ PHONON GRE
76-CA-01  CARELLI, DE-SANTIS+      KR/ C.H4 ..EXPERIMENT/ DIFFUSION PARAMETER ..LENARD-JONES FLUID/ HARD-SPHERE FLUID/220
76-DU-01  DUFTY, GROOME+      THEORY-OF-FLUIDS/ KR ..DYNAMIC,STATIC STRUCTURE FACTOR
76-WA-04  WASEDA, SUZUKI      NE/ AR/ KR/ XE ..LIQUID/ PAIR POTENTIAL/ BORN-GREEN EQUATION
77-RA-04  RAND, RAO+      KR/ AR/ NE ..EXPERIMENT ..LIGHT SCATTERING/ ELASTIC CONSTANTS/ COMPARISON WITH NEUTRON SCATTERI
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2. 39 LEAD PB

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54-EG-01  EGELSTAFF       PB ..EXPERIMENT/ LIQUID
55-BR-01  BROCKHOUSE      PB ..EXPERIMENT/ LIQUID
59-BR-01  BROCKHOUSE, POPE      PB ..EXPERIMENT/ LIQUID
59-PE-01  PELAH, WHITTEMORE+      PB ..EXPERIMENT/ LIQUID/ SOLID/ TOF/ NEUTRON SPECTRUM/ QUASI-ELASTIC PEAK
61-BR-01  BROCKHOUSE, RAO+      PB ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
61-BR-02  BROCKHOUSE, ARASE+      PB ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ PHONON LIFE TIME
61-EG-01  EGELSTAFF, COCKING+      H2.O/ D2.O/ PB ..EXPERIMENT/ LIQUID/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION
61-PA-01  PALEVSKY        H2.O/ PB/ SN ..EXPERIMENT/ LIQUID ..ROOM TEMP., 45DC FOR H2.O/ 462DC FOR PB/ 350DC FOR SN/ BE-F
61-RA-01  RAHMAN, SINGWI+      NEUTRON-SCATTERING-IN-FLUIDS/ PB ..THEORY ..LIQUID DYNAMICS
62-BR-01  BROCKHOUSE, ARASE+      PB ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..CRYSTAL SPECTROMETER/ 100DK
62-CO-04  COTTER          PB ..EXPERIMENT/ LIQUID/ SOLID/ FREQUENCY DISTRIBUTION
62-EG-03  EGELSTAFF, SCHOFIELD      SCATTERING-THEORIES/ H2.O/ PB ..EXPERIMENT/ THEORY/ LIQUID/ DIFFUSION PARAMETER ..ROO
62-EG-05  EGELSTAFF       MG/ BF/ PB ..THEORY/ SOLID/ LIQUID/ SIGMA(E, E-PRIME, THETA) ..METAL/ LIQUID METAL
62-TU-01  TURBERFIELD      PB ..EXPERIMENT/ LIQUID ..340DC/ 520DC/ 324DC
63-EG-03  EGELSTAFF       PB/ SN ..EXPERIMENT/ SCATTERING FUNCTION/ LIQUID
63-SI-03  SINGWI, SJOELANDER+      NEUTRON-SCATTERING-IN-FLUIDS/ H2.O/ PB ..THEORY/ LIQUID/ FREQUENCY DISTRIBUTION/ SCATT
65-CO-03  COCKING, EGELSTAFF      PB/ SN ..EXPERIMENT/ LIQUID/ DISPERSION RELATION
65-DO-07  DORNER, PLESSER+      PB ..EXPERIMENT
65-GI-03  GILAT           PB ..PHONON FREQUENCY DISTRIBUTION
65-PA-02  PALEVSKY        PB/ H2.O/ SN ..EXPERIMENT/ LIQUID
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65-TO-01  TOYA            PB ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
66-BR-05  BRUGGER         METHANE/ ETHANE/ AL/ NA/ PB/ AR ..COMPILATION/ SCATTERING FUNCTION
66-EG-01  EGELSTAFF, DUFFILL+      PB/ SN/ BI/ ZN/ AL ..EXPERIMENT/ LIQUID/ STRUCTURE FACTOR
66-LE-01  LECHNER, QUITTNER      PB ..PHONON DISPERSION/ PRESSURE EFFECT
66-RA-03  RANDOLPH        LEAD ..EXPERIMENT/ LIQUID/ SCATTERING FUNCTION ..352DC
66-RA-04  RANDOLPH, SINGWI      PB ..SCATTERING LAW/ LIQUID/ CRYSTAL SPECTROMETER/ EXPERIMENT ..COLLECTIVE MOTION
67-CO-01  COCKING         AL/ PB/ BI/ RB/ SN ..SOLID/ LIQUID/ DISPERSION RELATION/ EXPERIMENT
67-DO-02  DORNER, PLESSER+      PB ..EXPERIMENT/ LIQUID/ SCATTERING FUNCTION ..LIQUID DYNAMICS/ METAL
67-DO-03  DORNER, PLESSER+      PB ..EXPERIMENT/ 3-AXIS SPECTROMETER/ LIQUID/ DISPERSION CURVE
67-DO-04  DORNER, PLESSER+      PB ..EXPERIMENT/ POLYCRYSTAL/ LIQUID/ DISPERSION CURVES
67-NE-03  NELKIN, RANGANATHAN      LEAD ..SCATTERING LAW/ QUASI-ELASTIC PEAK/ THEORY ..VLASOV EQUATION
67-RA-03  RANDOLPH        PB ..EXPERIMENT/ LIQUID/ DISPERSION RELATION
67-RA-04  RANDOLPH, MYERS      PB ..EXPERIMENT/ LIQUID/ DISPERSION RELATION ..350DC/ COLLECTIVE VIBRATIONAL MODE
67-ST-03  STEDMAN, ALMQVIST+      AL/ PB ..LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION ..800DK FOR AL/ 500DK FOR PB
67-ST-04  STEDMAN, ALMQVIST+      PB ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION ..80DK/ 300DK
68-AG-02  AGRAWAL, DESAI+      NEUTRON-SCATTERING-IN-FLUIDS/ AR/ NA/ PB/ METHANE ..THEORY ..MODEL CALCULATION
68-CO-03  COCKING, EGELSTAFF      PB ..EXPERIMENT/ LIQUID/ SCATTERING FUNCTION ..15DC ABOVE AND BELOW MELTING POINT/ 350D
68-CO-04  COCKING         NA/ PB ..EXPERIMENT/ LIQUID/ ..LIQUID DYNAMICS
68-CO-05  COCKING         PB ..THEORY/ LIQUID DYNAMICS
68-CO-06  COCKING, EGELSTAFF      PB ..LIQUID DYNAMICS/ TEMPERATURE DEPENDENCE
68-GR-02  GRIMVALL, GRIMVALL      AL/ NB/ PB ..FREQUENCY DISTRIBUTION/ THEORY/ LATTICE DYNAMICS ..DEBYE TEMP,
68-NO-01  NORTH, ENDERBY+      ZN/ TL/ PB/ SN/ BI ..EXPERIMENT/ LIQUID/ STATISTICAL MECHANICS ..LIQUID METAL/ 340DC-1100D
68-NO-03  NORTH, ENDERBY+      PB/ TI ..STRUCTURE FACTOR
68-RA-04  RANDOLPH        PB ..LIQUID/ CORRELATION FUNCTION/ SCATTERING LAW/ EXPERIMENT
68-SC-04  SCHMUCK, QUITTNER      LEAD ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
68-SC-05  SCHMUCK, QUITTNER      PB ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVES ..PSEUDOPOTENTIAL CALCULATION
68-WI-01  WIGNALL, EGELSTAFF      PB ..EXPERIMENT/ LIQUID/ SCATTERING FUNCTION ..336-726DC
69-DE-02  DESAI, YIP      NA/ PB ..THEORY/ LIQUID/ SCATTERING FUNCTION ..LIQUID METAL
69-IC-01  ICHIKAWA, SHIMOJI      LI/ NA/ K/ HG/ PB ..DIFFUSION PARAMETER/ LIQUID/ THEORY ..LIQUID METAL/ FRICTION CONSTAN
69-RO-01  ROWELL, MCMILLAN+      PB/ PB-TL ..EXPERIMENT/ SPECTRAL DENSITY ..TUNNELING EXPERIMENT
70-CO-06  COULTHARD       SODIUM/ POTASSIUM/ ALUMINIUM/ LEAD ..THEORY/ LATTICE VIBRATION/ DISPERSION RELATION ..PRESSURE
70-FU-01  FUHRER, HALG      PB ..ANHARMONIC EFFECT
70-RO-03  ROY, BROCKHOUSE      PB/ PB-TL ..EXPERIMENT/ FREQUENCY SPECTRA/ POLYCRYSTALLINE SAMPLES/ TRIPLE AXIS SPECTROMET
70-VA-01  VADOVIC, COLVER      AG/ GA/ HG/ NA/ PB/ SN/ ZN ..THEORY/ SELF-DIFFUSION CONSTANT
71-GR-01  GREENFIELD, WISER      NA/ PB ..EXPERIMENT/ STRUCTURE FACTOR ..X-RAY DIFFRACTION
71-GU-03  GUPTA, TRIPATHI      PB ..THEORY/ PHONON DISPERSION/ ELASTIC PROPERTIES/ PSEUDOPOTENTIAL
71-GU-04  GUPTA, TRIPATHI      PB ..THEORY/ PHONON DISPERSION
72-BE-02  BEHARI          PB ..THEORY/ SOLID/ LATTICE DYNAMICS
72-GO-02  GOMPF, LAU+      PB/ AL/ CA ..EXPERIMENT/ PHONON SPECTRA/ COHERENT SCATTERING
73-CA-01  CAVALHEIRO, SHUKLA      PB ..THEORY/ PHONON DISPERSION/ DEBYE TEMP./ DE LAUNAY MODEL
73-KA-02  KACHHAVA        PB ..THEORY/ PHONON DISPERSION
73-KA-03  KACHHAVA        PB ..THEORY/ PHONON DISPERSION/ ASHCROFT MODEL PSEUDOPOTENTIAL
73-PR-02  PRASAD, SRIVASTAVA      PB ..THEORY/ PHONON DISPERSION/ MODEL POTENTIAL CALCULATION
74-BE-02  BERTONI, BORTOLANI+      LI/ NA/ AL/ PB/ ..THEORY/ PHONON DISPERSION/ THIRD ORDER PERTURBATION THEORY
74-NO-01  NOVOTNY, HOLDEN+      PB ..NEUTRON DIFFRACTION
76-BO-01  BOBROVSKY, GOSHCHITSKII+      PB ..EXPERIMENT/ PHONON DISPERSION/ 4.2,20.4,78.0 AND 300K
76-ST-02  STEFFEN         PB ..RADIAL DENSITY FUNCTION/ X-RAY SCATTERING
76-ST-03  STEFFEN, HASEMANN      PB ..LIQUID STRUCTURE
76-YO-01  YOSHIDA         NA/ RB/ PB/ THEORY-OF-FLUIDS ..DYNAMICAL STRUCTURE FACTOR/ COLLECTIVE MODE

2, 40  LITHIUM                                  LI
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65-KR-01  KREBS           LI/ NA/ K ..THEORY/ SOLID/ DISPERSION RELATION
66-AN-01  ANIMALU, BONSIGNORI+      NA/ K/ AL/ LI/ RB/ CS ..THEORY/ PHONON DISPERSION/ MODEL POTENTIAL
68-SM-01  SMITH, DOLLING+      LI ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..98DK/ LI7
69-IC-01  ICHIKAWA, SHIMOJI      LI/ NA/ K/ HG/ PB ..DIFFUSION PARAMETER/ LIQUID/ THEORY ..LIQUID METAL/ FRICTION CONSTAN
69-KR-01  KREBS, HOELZL      LI/ NA/ K/ RB/ CU/ AL/ PB/ FE/ NI/ PT/ COMPUTER-CODES ..PSEUD-ION APPROXIMATION/ FITTING TO
69-PR-02  PRAKASH, JOSHI      LI/ NA/ K/ RB/ CS ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ SOLID/ LATTICE DYN
69-WA-04  WALLACE         LI ..DISPERSION RELATION/ SOLID/ THEORY/ LATTICE DYNAMICS ..PSEUDOPOTENTIAL/ PHONON/ GRUENEISEN
70-GU-01  GUPTA           LI ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..PSEUDOPOTENTIAL/ METAL
70-PA-03  PAL             LI ..THEORY/ LATTICE VIBRATION/ DISPERSION/ SHARM-JOSHI MODEL
70-PR-02  PRICE, SINGWI+      NA/ K/ LI/ RB ..THEORY/ DISPERSION RELATION ..PHONON LIFE TIMES DUE TO ELECTRON-PHONON INTE
70-SI-04  SINGH, PRAKASH      LI/ RB/ K/ CS/ ..THEORY/ LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION ..ALKALI METAL
71-GU-01  GUPTA, TRIPATHI      LI ..THEORY/ PHONON DISPERSION/ ELASTIC CONSTANT/ COMPRESSIBILITY
71-TR-04  TRIPATHI, BEHARI      LI/ NA/ K ..CALCULATION/ PHONON DISPERSION/ DEBYE TEMP.
72-BA-02  BAJPAI, NEELAKANDAN      LI/ NA/ K ..THEORY/ PHONON DISPERSION/ BCC METAL/ AXIALLY SYMMETRIC MODEL
72-KA-01  KACHHAVA        LI ..THEORY/ PHONON DISPERSION/ PSEUDPOTENTIAL CALCULATION
72-KA-02  KACHHAVA        LI ..THEORY/ PHONON DISPERSION
72-PR-03  PRASAD, SRIVASTAVA      LI ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..PSEUDOPOTENTIAL
72-SI-02  SINGH, PRAKASH      LI/ NA/ K/ RB/ CS ..THEORY/ DISPERSION CURVE
72-SI-03  SINGH, PRAKASH      LI/ NA/ K/ RB/ CS ..THEORY/ PHONON DISPERSION
72-SI-04  SINGH, SRIVASTAVA      LI ..THEORY/ PHONON DISPERSION/ THERMAL EXPANSION/ GRUENEISEN PARAMETER
73-KU-02  KUSHWAHA        LI ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..PSEUDOPOTENTIAL
73-ON-01  ONO             LI ..THEORY/ PHONON DISPERSION/ HARTREE-FOCK EQ./ HARRISON METHOD
73-SH-03  SHARAN, KUMAR+      LI ..THEORY/ PHONON DISPERSION
74-BE-02  BERTONI, BORTOLANI+      LI/ NA/ AL/ PB/ ..THEORY/ PHONON DISPERSION/ THIRD ORDER PERTURBATION THEORY
74-DA-01  DA-CUNHA-LIMA, BRESCANSIN+      K/ LI/ RB ..PHONON DISPESION RELATION/ KREBS MODEL
74-PR-01  PRAKASH, PATHAK+      K/ RB/ LI ..THEORY/ LATTICE DYNAMICS/ PHONON DISPERSION/ ANGULAR FORCE MODEL
74-PR-02  PRAKASH, PATHAK+      LI/ K/ RB ..THEORY/ PHONON DISPERSION
75-NA-02  NAND, TRIPATHI+      LI ..THEORY/ MODEL POTENTIAL APPROACH
76-BE-02  BEG, NIELSEN      LI ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ COHERENT INELASTIC NEUTRON SCA
76-DA-07  DAY, SUN+       BE/ LI ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL METHOD
76-PE-01  PERDEW, VOSKO      LI ..THEORY/ PHONON DISPERSION/ LOCAL EFFECTIVE POTENTIAL
76-SU-01  SUN, DAY+       LI/ BE ..THEORY/ PHONON DISPERSION/ EFFECT OF CONDUCTION ELECTRON
77-DA-02  DAY, SUN+       LI/ NA/ K ..THEORY/ PHONON DISPERSION
77-RA-03  RAI, HEMKAR      LI/ NA/ K/ RB/ THEORY-OF-SOLIDS ..PHONON DISPERSION/ ALKALI METAL
77-WE-02  WEILACHER, ROTH-SEEFRID+      LITHIUM ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
77-WE-03  WEILACHER, BROSS      LI ..THEORY/ PHONON DISPERSION
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2. 41 MAGNESIUM MG

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58-EG-01  EGELSTAFF       BE/ MG/ SCATTERING-THEORIES ..THEORY/ EXPERIMENT/ SOLID/ SIGMA(E, E-PRIME, THETA)/ SIGMA(E) ..O
62-CO-03  COLLINS         MG ..EXPERIMENT/ SOLID/ DISPERSION RELATION
62-EG-05  EGELSTAFF       MG/ BE/ PB ..THEORY/ SOLID/ LIQUID/ SIGMA(E, E-PRIME, THETA) ..METAL/ LIQUID METAL
63-IY-01  IYENGER, VENKATARAMAN+      MG ..EXPERIMENT/ DISPERSION RELATION
63-MA-02  MALISZEWSKI, SOSNOWSKI+      ZN/ CU/ MG ..EXPERIMENT
64-YO-02  YOUNG, KOPPEL      BE/ MG/ ZN ..THEORY/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS ..ROOT SAMPLING METHOD
65-IY-01  IYENGER, VENKATARAMAN+      MG ..LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION
65-IY-02  IYENGER, VENKATARAMANN+      MG ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
65-SQ-01  SQUIRES         MG ..PHONON DISPERSION/ EXPERIMENT
66-SQ-01  SQUIRES         MG ..PHONON DISPERSION
67-RO-03  ROY, VENKATARAMAN      MG ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL
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68-BR-01  BROVMAN, KAGAN+      BE/ MG/ ZN ..THEORY/ LATTICE DYNAMICS
68-CZ-01  CZACHOR          MG/ ZN/ BE ..THEORY/ PHONON DISPERSION
68-PY-01  PYNN, SQUIRES      MG ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ TOF
68-SC-06  SCHNEIDER, STOLL      NA/ MG/ AL ..THEORY/ LATTICE DYNAMICS ..ELECTRONIC STRUCTURE/ METAL
68-WA-03  WARREN           CS.CL/ MG ..GROUP THEORY/ LATTICE VIBRATION ..SYMMETRY PROPERTIES/ SPACE GROUP/ IRREDUCIBLE REP
69-GI-02  GILAT, RIZZI+      BE/ MG/ ZN ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ..METAL/ MODEL POTENTIAL CALCULATION
69-ME-02  METZBOWER        BE/ MG/ ZN ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..NONCENTRAL-FORCE/ FIVE FORC
69-PI-01  PINDOR, PYNN      MG ..DISPERSION RELATION/ SOLID/ THEORY/ LATTICE DYNAMICS ..PHONON/ POTENTIAL/ METAL
70-CZ-01  CZACHOR          MG/ CO/ Y ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ BORN-VON KARMAN MODEL ..AXIAL
70-CZ-02  CZACHOR, RAJCA      MG/ CO/ Y ..CALCULATION/ HEXAGONAL METAL/ FREQUENCY SPECTRA
70-FL-01  FLOYD, KLEINMAN      MG ..THEORY/ PHONON DISPERSION RELATION/ METAL/ PSEUDOPOTENTIAL
70-LA-02  LAHTEENKORVA      MG/ Y/ HO ..DISPERSION RELATION/ HARMONIC APPROXIMATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..EL
70-PR-01  PRAKASH, JOSHI      BE/ MG/ ZN ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..SINGLE-ORTHOGONALIZED-PLANE-WA
70-SH-03  SHARAN, BAJPAI      BE/ MG/ TL ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..HEXAGONAL METAL
71-KI-02  KING-III, CUTLER      MG ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSIO RELATION ..METAL/ PSEUDPOTENTIAL
71-SR-01  SRINIVASAN, RAO      MG/ ZN/ BE ..THEORY/ PHONON DISPERSION/ ELASTIC CONSTANT/ ANHARMONICS
71-TR-05  TROTT, HEALD      BE/ MG/ ZN ..THEORY/ PHONON DISPERSION AND SPECTRA/ HEXAGONAL LATTICE
72-BA-01  BAJPAI           MG/ ZR/ Y/ TI/ TL/ HF ..THEORY/ PHONON DISPERSION/ FOURTH NEIGHBOURS MODEL/ HEXAGONAL LATTICE
72-BA-04  BAJPAI, ONO      MG ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
72-PY-01  PYNN, SQUIRES      MG ..EXPERIMENT/ PHONON DISPERSION/ PHONON DENSITY/ DEBYE TEMP.
73-BO-04  BOSE, TRIPATHI+      BE/ MG/ ZN ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRUM/ SPECIFIC HEAT/ CENTRAL AND NON
73-KU-04  KUSHWAHA         MG/ BE/ TL ..THEORY/ PHONON DISPERSION/ SHORT-RANGE CLOSED-SHELL AND IONIC INTERACTION
73-RA-01  RAJPUT, KUSHWAHA      BE/ MG ..THEORY/ PHONON DISPERSION/ KREB MODEL
73-SH-08  SHUKLA, CLOSS      MG ..THEORY/ LATTICE DYNAMICS/ INTERATOMIC FORCE CONSTANT/ DISPERSION RELATION ..ELECTRON.IO
73-UP-02  UPADHYAYA, VERMA      BE/ MG/ HO/ TL ..THEORY/ PHONON DISPERSION/ MODIFIED SHARMA-JOSHI MODEL
74-ES-01  ESCHRIG, VAN-LOYEN+      MG ..PHONON DENSITY OF STATE
74-MA-03  MAURYA, SRIVASTAVA      MG ..TEORY/ SOLID/ DISPERSION RELATION ..TOYA.S THEORY
75-MA-05  MAURYA, SRIVASTAVA      BE/ MG/ ZN ..THEORY/ PHONON DISPERSION/ HCP METAL/ TOYA THEORY
75-RE-02  REISSLAND, ESE      AL/ NA/ MG/ IN/ TL ..THEORY/ PHONON DISPERSION/ PHONON SPECTRA/ MODEL POTENTIAL CALCULATION
75-UP-01  UPADHYAYA, SINHA      BE/ MG/ Y/ HO ..THEORY/ EXPERIMENT/ DISPERSION RELATION ..BHATIA MODEL
76-ER-01  ERLMEEV, SADIKOV+      MG/ ZN/ CD ..EXPERIMENT/ SEPARATED ISOTOP CD-110.CD-111/ PHONON SPECTRA
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2. 42 MERCURY HG

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51-PL-01  PLACZEK, NIJBOER+      NEUTRON-SCATTERING-IN-FLUIDS/ HG ..THEORY/ SIGMA(E.E-PRIME.THETA)/ SOLID/ LIQUID/ SCATTE
54-VI-02  VINEYARD         HG ..EXPERIMENT/ STRUCTURE FACTOR/ LIQUID METAL
69-IC-01  ICHIKAWA, SHIMOJI      LI/ NA/ K/ HG/ PB ..DIFFUSION PARAMETER/ LIQUID/ THEORY ..LIQUID METAL/ FRICTION CONSTAN
70-VA-01  VADOVIC, COLVER      AG/ GA/ HG/ NA/ PB/ SN/ ZN ..THEORY/ SELF-DIFFUSION CONSTANT
70-WA-02  WASEDA, SUZUKI      HG ..EXPERIMENT/ LIQUID/ STRUCTURE FACTOR ..LIQUID METAL
73-FR-01  FRANCHETTI       HG ..THEORY/ RADIAL DISTRIBUTION FUNCTION
77-SR-01  SRIVASTAVA       NA/ K/ HG/ BI/ NA-K ..THEORY/ INTERATOMIC FORCE CONSTANTS/ KNIGHT SHIFT/ FREQUENCY SPECTRUM ..P
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2. 43 MOLYBDENUM MO

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51-EG-01  EGELSTAFF        H/ BE/ V/ SE/ MO/ FE ..SOLID/ EXPERIMENT/ TRANSMISSION
64-WO-01  WOODS, CHEN      MO ..EXPERIMENT/ SOLID/ DISPERSION RELATION
65-WO-01  WOODS            NB/ TA/ MO/ W ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
66-MA-02  MAHESH, DAYAL      FE/ MO/ W ..THEORY/ PHONON DISPERSION AND FREQUENCY DISTRIBUTION
66-RO-01  ROSENSTOCK, BLANKEN      NA/ NB/ MO/ TA/ W/ CU-ZN/ SN ..THEORY/ DISPERSION RELATION ..FORCE CONSTANTS FOR BORN-
69-WA-03  WALKER, EGELSTAFF      MO ..DISPERSION RELATION/ LATTICE DYNAMICS/ TOF ..ROOM TEMPERATURE
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72-BE-01 BEHARI, TRIPATHI FE/ MO/ W ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRA
72-BU-07 BUYERS, POWELL+ MO ..EXPERIMENT/ PHONON DISPERSION/ KOHN ANOMALY/ TEMPERATURE EFFECT
75-UP-03 UPADHYAYA, SHARMA+ FE/ W/ MO/ V/ NB/ TA ..LATTICE DYNAMICS/ DISPERSION RELATION/ TRANSITION METAL/ THEORY/
76-BR-01 BRESCANSIN, PADIAL+ FE/ MO/ W/ NB/ TA/ CR ..THEORY/ PHONON DISPERSION/ TRANSITION METAL/ MODEL CALCULATION
77-PA-02 PARIKH, RAY V/ NB/ TA/ CR/ MO/ W/ FE ..THEORY/ PHONON DISPERSION/ ELASTIC CONSTANTS
77-PO-01 POWELL, MARTELL+ NB/ MO/ NB-MO ..CALCULATION/ MODEL FITTING/ PHONON DENSITY/ DEBYE TEMPERATURE
77-VA-03 VARMA, WEBER THEORY-OF-SOLIDS/ NB/ NB-MO/ MO ..LATTICE DYNAMICS/ PHONON DISPERSION/ 4D BCC METAL
77-WA-01 WAKABAYASHI THEORY-OF-SOLIDS/ NB/ MO ..PHONON DISPERSION/ TRANSITION METAL/ CHARGE FLUCTUATION

2. 44 NEON NE

65-CH-02 CHEN, EDER+ NEON/ ARGON/ DEUTERIUM/ CARBON TETRAFLUORIDE ..EXPERIMENT/ LIQUID/ SIGMA(THETA,E)
66-ED-01 EDER, CHEN+ AR/ NE ..EXPERIMENT/ H IN LIQUID AR AND NE
67-JA-01 JAEN, KHAN NE ..THEORY/ LIQUID/ STATISTICAL MECHANICS
68-FR-01 FRANCHETTI, MAZZA AR/ NE/ HE ..THEORY/ MONATOMIC LIQUID/ RADIAL DENSTTY AND SCATTERIN FUNCTION
69-LE-03 LEAKE, DANIELS+ NE ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..4.7DK/ 25DK/ TRIPLE-AXIS-S
70-GL-01 GLYDE NE/ AR/ KR/ XE ..THEORY/ ANHARMONICITY
70-GO-02 GOLDMAN, HORTON+ NE/ HE ..SELF-CONSISTENT APPROXIMATION/ DISPERSION CURVE/ LIFE TIME/ THEORY
70-GU-04 GUPTA, GUPTA NE ..THEORY/ PHONON DISPERSION AND SPECTRUM/ PSEUDOANHARMONIC CENTRAL-FORCE RIGID-ATOM MODEL
70-LE-02 LEECH, REISSLAND NE/ AR/ KR/ XE ..THEORY/ LATTICE DYNAMICS/ ANHARMONICITY ..THERMODYNAMICAL PROPERTIES
70-LE-03 LEECH, REISSLAND NE/ AR/ KR/ XE ..THEORY/ ANHARMONICITY ..SPECIFIC HEAT/ DEBYE TEMPERATURE/ THERMAL EXPANS
71-BE-01 BEHARI, TRIPATHI NE ..THEORY/ PHONON DISPERSION/ ELASTIC CONSTANT/ DEBYE TEMP./ FREQUENCY SPECTRA
72-BO-03 BOHLIN NE ..THEORY/ INELASTIC SCATTERING PROFIL/ NUMENICAL CALCULATION/ SOLID
72-BU-06 BUYERS, SEARS+ NE/ SCATTERING-THEORIES ..THEORY/ EXPERIMENT/ LIQUID DYNAMICS/ COLLECTIVE MOTION/ SINGLE PA
72-EG-02 EGELSTAFF, WANG RB/ NE ..THEORY/ EXPERIMENT/ LIQUID/ STRUCTURE FACTOR ..DENSITY DEPENDENT POTENTIAL
72-HO-01 HORNER HE/ NE/ AR ..THEORY/ PHONON DISPERSION/ SELFCONSISTENT TREATMENT
72-HO-02 HORNER THEORY-OF-SOLIDS/ HE/ NE ..QUANTUM CRYSTALS/ PHONON SPECTRUM
72-HO-03 HORNER HE/ NE ..THEORY/ SCATTERING FUNCTION/ SINGLE-PARTICLE EXCITATION/ QUANTUM CRYSTAL
72-SK-01 SKALYO-JR, MINKIEWICZ+ NE ..EXPERIMENT/ PHONON DISPERSION/ A-S MODEL FITTING/ FREQUENCY DISTRIBUTION
72-TO-02 TOLPYGO, TROITSKAYA NE/ AR/ KR ..DISPERSION CURVE
73-BE-02 BELL, KOLLMAR+ NE/ NEUTRON-SCATTERING-IN-FLUIDS ..EXPERIMENT/ LIQUID/ NEUTRON SPECTRUM ..COHERENT SCATTERI
73-KE-03 KERR, SINGWI NE/ NEUTRON-SCATTERING-IN-FLUIDS ..QUANTUM EFFECT ..LARGE-Q-REGION
73-SE-01 SEARS NEON/ RUBIDIUM/ HYDROGEN/ THEORY-OF-FLUIDS ..THEORY/ FLUID/ SCATTERING FUNCTION
74-BR-01 BRENNAN, HUTCHINSON+ NEON ..PAIR-DISTRIBUTION FUNCTION
74-BU-02 BUYERS, SEARS+ NE ..EXPERIMENT/ S(Q,OMEGA) COMPILATION
75-BU-04 BUYERS, V.F./ LONNGI+ NEON ..QUASI-ELASTIC PEAK/ SCATTERING LAW
75-EN-01 ENDOH, SHIRANE+ NE ..PHONON DISPERSION/ SOLID NE
75-GA-01 GARG, GUPTA NE/ AR/ KR/ XE ..LATTICE DYNAMICS/ ANHARMONICITY/ CENTRAL FORCE MODEL/ DISPERSION RELATION
75-GU-02 GUPTA, GARG NE/ KR/ XE/ AR ..THEORY/ DISPERSION RELATION/ SOLID/ ANHARMONICITY
76-EC-01 ECKERT, AXE+ NE ..EXPERIMENT/ PHONON DISPERSION/ 6KBAR/ 82K
76-EC-02 ECKERT, DANIELS+ NE ..EXPERIMENT/ PHONON DISPERSION/ 8DK/ PHONON SPECTRUM
76-EC-03 ECKERT, AXE+ NE ..EXPERIMENT/ PHONON DISPERSION/ 82K,6KBAR/ BORN-VON-KARMAN ANALYSIS
76-WA-04 WASEDA, SUZUKI NE/ AR/ KR/ XE ..LIQUID/ PAIR POTENTIAL/ BORN-GREEN EQUATION
77-RA-04 RAND, RAO+ KR/ AR/ NE ..EXPERIMENT ..LIGHT SCATTERING/ ELASTIC CONSTANTS/ COMPARISON WITH NEUTRON SCATTERI

2. 45 NICKEL NI

63-MO-01 MOZER, OTONES NI/ PD/ NI-PD ..EXPERIMENT/ LATTICE DYNAMICS ..INPURITY MODE
63-TC-01 TCHERNOPLEKOV, ZEMLYANOV+ NI ..EXPERIMENT/ TOF/ FREQUENCY DISTRIBUTION
64-BI-01 BIRGENEAU, CORDES+ NI ..296 DEGREE KELVIN/ EXPERIMENT/ DISPERSION RELATION/ 3-AXIS SPECTROMETER

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64-BR-04  BRUGGER          NI ..EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
65-HA-06  HAUTECLER, VAN-DINGEN      NI ..PHONON DISPERSION
65-MO-03  MOZER, OTNES+      NI/ V/ TI/ TI-ZR ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION
67-HA-02  HAUTECLER, VAN-DINGENEN      NI ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..ROOM TEMP
67-SH-03  SHUKLA, DAYAL      NI ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRUM/ KREBS MODEL
67-SI-01  SINGH            NI ..LATTICE DYNAMICS/ THEORY/ FREQUENCY DISTRIBUTION ..DEBYE TEMPERATURE/ 0DK-300DK
68-DE-02  DE-WIT, BROCKHOUSE      NI ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..400DC/ 300DC/ ROOM TEMP
70-WA-03  WASEDA, SUZUKI+      NI ..EXPERIMENT/ LIQUID/ 1500DC/ RADIAL DISTRIBUTION FUNCTION
71-FR-01  FRIKKEE          NI ..EXPERIMENT/ SOLID/ TOF/ DISPERSION RELATION ..METAL
71-HA-03  HANKE            NI ..THEORY/ METAL/ MODIFIED SHELL
71-PR-01  PRAKASH, JOSHI      NI ..THEORY/ DISPERSION CURVE/ TWO-BAND MODEL/ HARTREE APPROXIMATION
71-SI-01  SINGH, SHARMA      CU/ AG/ AU/ AL/ NI/ NA/ CR/ FE ..THEORY/ DEBYE-WALLER FACTOR
73-PA-02  PAL              NI ..THEORY/ PHONON DENSITY/ SHARMA-JOSHI MODEL/ SPECIFIC HEAT/ DEBYE WALLER FACTOR
73-SH-05  SHUKLA, CAVALHEIRO      CU/ AG/ AL/ NI/ PD ..THEORY/ PHONON DISPERSION/ PHONON SPECTA/ FOURTH NEIGHBOURS FORCE
75-BE-05  BERTOLO, SHUKLA      NI/ PD/ PT ..THEORY/ PHONON DISPERSION/ MODIFIED BHATIA MODEL
75-FI-02  FIELEK           CU/ NI ..THEORY/ PHONON DISPERSION/ METAL/ MODEL CALCULATION
75-PA-01  PAL              NI ..THEORY/ PHONON DISPERSION/ SPECTRUM/ DE-LAUNAY MODEL
75-SI-09  SINGH, SINGH+      NI ..PHONON DISPERSION/ THEORY/ FERRO- AND PARAMAGNETIC PHASE
77-CL-01  CLOSS, SHUKLA      NI/ PT/ PD ..THEORY/ PHONON DISPERSION/ DEBYE-WALLER FACTOR
77-MI-03  MITRA            NI ..CALCULATION/ MOLECULAR DYNAMIC SIMULATION/ DEBYE-WALLER FACTOR
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2, 46 NIOBIUM NB

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63-NA-01  NAKAGAWA, WOODS      NB
65-NA-01  NAKAGAWA, WOODS      NB ..EXPERIMENT/ SOLID/ DISPERSION RELATION
65-WO-01  WOODS            NB/ TA/ MO/ W ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
66-RO-01  ROSENSTOCK, BLANKEN      NA/ NB/ MO/ TA/ W/ CU-ZN/ SN ..THEORY/ DISPERSION RELATION ..FORCE CONSTANTS FOR BORN-
68-GR-02  GRIMVALL, GRIMVALL      AL/ NB/ PB ..FREQUENCY DISTRIBUTION/ THEORY/ LATTICE DYNAMICS ..DEBYE TEMP,
69-SH-02  SHARP            NB ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ DEBYE TEMPERATURE ..296DK/ TOF/ TRIPLE-AXIS
69-SH-03  SHARP            NB ..KOHN EFFECT/ DISPERSION RELATION ..FERMI SURFACE
71-KO-02  KORSUNSKII, GENKIN+      NB ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL
72-BA-05  BAJPAI, NEELAKANDAN      FE/ NB/ TA/ W ..THEORY/ PHONON DISPERSION/ BCC METAL/ MODIFIED AXIALLYSYMMETRIC MODEL
72-PO-02  POWELL, WOODS+      NB ..EXPERIMENT/ PHONON DISPERSION/ 296 TO 1050K
74-CH-05  CHUI             NB ..DISPERSION RELATION
74-PY-01  PYNN, AXE        NB ..THEORY/ PHONON LIFETIME/ MAGNETIC FIELD EFFECT
75-RO-04  ROWE, VAGELATOS+      NB/ NB-H ..EXPERIMENT/SOLID/ DISPERSION RELATION ..ALLOY/ TRIPLE-AXIS-SPECTROMETER
75-UP-03  UPADHYAYA, SHARMA+      FE/ W/ MO/ V/ NB/ TA ..LATTICE DYNAMICS/ DISPERSION RELATION/ TRANSITION METAL/ THEORY/
76-BR-01  BRESCANSIN, PADIAL+      FE/ MO/ W/ NB/ TA/ CR ..THEORY/ PHONON DISPERSION/ TRANSITION METAL/ MODEL CALCULATION
76-TA-02  TASSET, CHRISTEN+      NB ..SMALL ANGLE SCATTERING/ FLUXOID LINE LATTICES
77-PA-02  PARIKH, HAY      V/ NB/ TA/ CR/ MO/ W/ FE ..THEORY/ PHONON DISPERSION/ ELASTIC CONSTANTS
77-PO-01  POWELL, MARTELL+      NB/ MO/ NB-MO ..CALCULATION/ MODEL FITTING/ PHONON DENSITY/ DEBYE TEMPERATURE
77-VA-03  VARMA, WEBER      THEORY-OF-SOLIDS/ NB/ NB-MO/ MO ..LATTICE DYNAMICS/ PHONON DISPERSION/ 4D BCC METAL
77-WA-01  WAKABAYASHI      THEORY-OF-SOLIDS/ NB/ MO ..PHONON DISPERSION/ TRANSITION METAL/ CHARGE FLUCTUATION
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2, 47 NITROGEN N

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65-DO-05  DONALDSON, PASSELL+      B/ N/ O ..MIRROR REFLECTION/ SCATTERING AMPLITUDE
68-YO-01  YOUNG            N ..SCATTERING THEORY/ MOLECULAR DYNAMICS
75-KJ-01  KJEMS, DOLLING      N ..INELASTIC NEUTRON SCATTERING
75-PO-05  POWLES           N ..SCATTERING LAW/ LIQUID
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75-SI-06 SINCLAIR, CLARKE+ N ..EXPERIMENT/ LIQUID/ 77.4DK/ SINGLE PARTICLE EXCITATION
75-WE-02 WEIS, KLEIN NITROGEN ..THEORY/ SIGMA(THETA,E)/ MOLECULAR DYNAMICS/ PHONON WIDTH AND LIFETIMES/ QUASI-ELAST
76-KO-01 KOESTER, KNOPF+ N ..COHERENT SCATTERING LENGTH/ EXPERIMENT
77-DU-01 DUNMORE NITROGEN ..THEORY/ SOLID ..LIBRATIONAL MOTION/ MEAN FIELD MODEL/ SECOND QUANTIZATION/ INTERMOLE
77-GO-05 GOODINGS NITROGEN ..THEORY/ SOLID/ SIGMA(THETA,E) ..ONE-LIBRON INELASTIC STRUCTURE FACTOR/ COHERENT SCAT
77-KL-01 KLEIN, WEIS N ..CALCULATION/ DYNAMICAL STRUCTURE FACTOR/ HEXAGONAL/ PERIODIC BOUNDARY CONDITION
77-VE-01 VESTNER, WALDMANN NITROGEN/ ARGON ..GAS/ HYDRODYNAMICS ..FRICTIONAL AND THERMAL FORCES ON A SPHERICAL PART

2. 48 NITROGEN N2

65-VE-02 VERTEBNYI, DZYUB+ N2/ O2 ..EXPERIMENT/ TOTAL CROSS SECTION/ LIQUID/ SOLIDS
66-TE-01 TEUTSCH, MATEESCU+ N2 ..EXPERIMENT/ LIQUID DYNAMICS
68-MA-10 MATEESCU, TEUTSCH+ N2/ BI ..EXPERIMENT/ TOF/ SCATTERING FUNCTION ..77.4DK FOR N2/ 560DK FOR BI
72-JA-01 JACOBI, SCHNEPP C.O2/ H2/ N2 ..THEORY/ LATTICE DYNAMICS ..QUADRAPOL-QUADRAPOL POTENTIAL
74-CA-02 CARNEIRO H2/ N2 ..EXPERIMENT/ PHONON LIKE EXCITATION/ LIQUID DYNAMICS
75-CA-01 CARNEIRO, MCTAGUE N2 ..EXPERIMENT/ SCATTERING CAW/ LIQUID/ 66.4K
75-HU-01 HULER, ZUNGER N2 ..DISPERSION/ PHONON DENSTY OF STATE/ ALPHA AND GAMMA CRYSTAL
75-WE-01 WEIS, KLEIN N2 ..COMPUTER SIMULATION/ SCATTERING FUNCTION/ SOLIDN2
76-GO-05 GOLDMAN, KLEIN N2 ..THEORY/ ELASTIC CONSTANT/ HCP N2
76-WE-01 WEIS, LEVESQUE N2 ..THEORY/ DYNAMICAL STRUCTURE FACTOR/ MOLECULAR DYNAMICS

2. 49 OXYGEN O

65-DO-05 DONALDSON, PASSELL+ B/ N/ O ..MIRROR REFLECTION/ SCATTERING AMPLITUDE
68-SU-02 SUMMERFELD, LURIE O ..SCATTERING FUNCTION/ EXPERIMENT/ THEORY/ GAS ..MAGNETIC SCATTERING/ ROOM TEMP.
68-VA-01 VALENTINE O ..EXPERIMENT ..USING U,O2 SINGLE CRYSTAL

2. 50 OXYGEN O2

65-VE-02 VERTEBNYI, DZYUB+ N2/ O2 ..EXPERIMENT/ TOTAL CROSS SECTION/ LIQUID/ SOLIDS

2. 51 PALLADIUM PD

63-MO-01 MOZER, JONES NI/ PD/ NI-PD ..EXPERIMENT/ LATTICE DYNAMICS ..INPURITY MODE
66-MI-02 MILLER, BROCKHOUSE PD ..EXPERIMENT/ THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..TRIPLE AXIS SPECTROMET
70-BR-03 BROWN PD ..THEORY/ PHONON DISPERSION/ KREBS MODEL
71-BR-04 BROWN PD ..CALCULATION/ PHONON DISPERSION/ 3-PARAMETER MODEL
71-MI-01 MILLER, BROCKHOUSE PD/ CU ..EXPERIMENT/ CALCULATION/ NEUTRON SCATTERING/ DISPERSION CURVE/ FREQUENCY SPECT
71-PA-02 PAL PD ..CALCULATION/ PHONON DISPERSION/ PHONON DENSITY/ DEBYE TEMPERATURE
73-PA-03 PAL, SINGH PD ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRUM/ SPECIFIC HEAT/ KREBS MODEL
73-SH-05 SHUKLA, CAVALHEIRO CU/ AG/ AL/ NI/ PD ..THEORY/ PHONON DISPERSION/ PHONON SPECTA/ FOURTH NEIGHBOURS FORCE
74-GO-01 GOEL, PANDEY+ AG/ PD/ PT ..PHONON DISPERSION RELATION
75-BE-05 BERTOLO, SHUKLA NI/ PD/ PT ..THEORY/ PHONON DISPERSION/ MODIFIED BHATIA MODEL
75-MI-01 MILLER PD ..EXPERIMENT/ PHONON DISPERSION/ KOHN ANORMALY
76-FR-01 FREEMAN THEORY-OF-SOLIDS/ GD/ SC/ PD/ PT ..MAGNETIC FORM FACTORS/ METAL
76-MO-02 MOON, KOEHLER+ REVIEW-ARTICLES/ CR/ V/ SC/ PD/ TI/ Y/ NB/ ..MAGNETIC FORM FACTOR
76-PA-01 PAL PD ..THEORY/ PHONON DISPERSION/ SPECTRUM
77-CL-01 CLOSS, SHUKLA NI/ PT/ PD ..THEORY/ PHONON DISPERSION/ DEBYE-WALLER FACTOR

2. 52 PLATINUM PT

68-OH-01 OHRLICH, DREXEL PT ..EXPERIMENT/ LATTICE DYNAMICS/ TOF/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
71-KO-01 KONTI PT ..THEORY/ ANGULAR FORCE MODEL/ DISPERSION CURVE/ FREQUENCY SPECTRA/ DEBYE-WALLER FACTOR/ DEB
72-DU-03 DUTTON, BROCKHOUSE+ PT ..EXPERIMENT/ PHONON DISPERSION/ MODEL FITTING/ FORCE CONSTANT/ PHONON SPECTRUM/ TE
74-GO-01 GOEL, PANDEY+ AG/ PD/ PT ..PHONON DISPERSION RELATION
74-JO-01 JOGI RB/ CS/ PT ..THEORY/ PHONON DISPERSION/ ANGULAR FORCE MODEL
75-BE-05 BERTOLO, SHUKLA NI/ PD/ PT ..THEORY/ PHONON DISPERSION/ MODIFIED BHATIA MODEL
75-CA-05 CAVALHEIRO, SHUKLA PT/ TH ..THEORY/ PHONON DISPERSION/ DE-LAUNAY MODEL
76-FR-01 FREEMAN THEORY-OF-SOLIDS/ GD/ SC/ PD/ PT ..MAGNETIC FORM FACTORS/ METAL
77-CL-01 CLOSS, SHUKLA NI/ PT/ PD ..THEORY/ PHONON DISPERSION/ DEBYE-WALLER FACTOR
77-KU-01 KULSHRESTHA, UPADHYAYA PT ..THEORY/ PHONON DISPERSION/ TRANSITION METAL MODEL POTENTIAL

2. 53 POTASSIUM K

65-KR-01 KREBS LI/ NA/ K ..THEORY/ SOLID/ DISPERSION RELATION
66-AN-01 ANIMALU, BONSIGNORI+ NA/ K/ AL/ LI/ RB/ CS ..THEORY/ PHONON DISPERSION/ MODEL POTENTIAL
66-CO-02 COWLEY, WOODS+ K ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION ..9DK
66-GU-03 GUPTA, KISHORE K ..THEORY/ PHONON SPECTRUM/ SPECIFIC HEAT
68-HO-01 HO THEORY-OF-SOLIDS/ NA/ K ..DISPERSION RELATION/ THEORY/ LATTICE DYNAMICS
69-BO-01 BOFFEY K/ RB ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..ELECTRON-PHONON INTERACTION/ EXC
69-BU-03 BUYERS, COWLEY K ..PHONON LIFETIME/ ANHARMONIC EFFECT/ EXPERIMENT/ THORY ..9DK/ 92DK/ 215DK/ 299DK/ NEUTRA
69-IC-01 ICHIKAWA, SHIMOJI LI/ NA/ K/ HG/ PB ..DIFFUSION PARAMETER/ LIQUID/ THEORY ..LIQUID METAL/ FRICTION CONSTAN
69-KR-01 KREBS, HOELZL LI/ NA/ K/ RB/ CU/ AL/ PB/ FE/ NI/ PT/ COMPUTER-CODES ..PSEUD-ION APPROXIMATION/ FITTING TO
69-PR-02 PRAKASH, JOSHI LI/ NA/ K/ RB/ CS ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ SOLID/ LATTICE DYN
70-CO-06 COULTHARD SODIUM/ POTASSIUM/ ALUMINIUM/ LEAD ..THEORY/ LATTICE VIBRATION/ DISPERSION RELATION ..PRESSURE
70-KU-05 KUSHWAHA, RAJPUT THEORY-OF-SOLIDS/ NA/ K ..PHONON DISPERSION CURVE/ METAL/ BCC
70-PR-02 PRICE, SINGWI+ NA/ K/ LI/ RB ..THEORY/ DISPERSION RELATION ..PHONON LIFE TIMES DUE TO ELECTRON-PHONON INTE
70-SI-04 SINGH, PRAKASH LI/ RB/ K/ CS/ ..THEORY/ LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION ..ALKALI METAL
71-TR-04 TRIPATHI, BEHARI LI/ NA/ K ..CALCULATION/ PHONON DISPERSION/ DEBYE TEMP.
72-BA-02 BAJPAI, NEELAKANDAN LI/ NA/ K ..THEORY/ PHONON DISPERSION/ BCC METAL/ AXIALLY SYMMETRIC MODEL
72-GR-01 GREENFIELD, WISER+ NA/ K ..THEORY/ LIQUID/ STRUCTURE FACTOR/ HARD-SPHERE MODEL
72-SI-02 SINGH, PRAKASH LI/ NA/ K/ RB/ CS ..THEORY/ DISPERSION CURVE
72-SI-03 SINGH, PRAKASH LI/ NA/ K/ RB/ CS ..THEORY/ PHONON DISPERSION
73-DU-01 DUESBERY, TAYLOR+ K ..ANHARMONICITY/ DISPERSION CURVE/ THEORY
74-AI-01 AILAWADI, BANERJER+ NA/ K ..EFFECTIVE PAIR POTENTIAL/ RADIAL DISTRIBUTION FUNCTION/ LIQUID
74-DA-01 DA-CUNHA-LIMA, BRESCANSIN+ K/ LI/ RB ..PHONON DISPESION RELATION/ KREBS MODEL
74-HA-05 HASEGAWA, WATABE THEORY-OF-FLUIDS/ NA/ K ..LIQUID METAL/ ELECTRON THEORY/ STRUCTURE FACTOR/ THERMAL EXPANS
74-PA-02 PAL, SETH K ..THEORY/ PHONON DISPERSION/ PHONON SPECTRUM/ SPECIFIC HEAT
74-PR-01 PRAKASH, PATHAK+ K/ RB/ LI ..THEORY/ LATTICE DYNAMICS/ PHONON DISPERSION/ ANGULAR FORCE MODEL
74-PR-02 PRAKASH, PATHAK+ LI/ K/ RB ..THEORY/ PHONON DISPERSION
75-GO-01 GOEL, PANDEY+ NA/ K ..THEORY/ PHONON DISPERSION/ METAL/ MODIFIED SHARMA-JOSHI MODEL
75-JI-01 JINDAL NA/ K ..THEORY/ SOLID/ DISPERSION RELATION/ LATTICE DYNAMICS ..OPW METHOD/ DIELECTRIC FUNCTION
76-HA-07 HASEGAWA K/ NA ..THEORY/ LIQUID STRUCTURE/ THIRD ORDER PERTURBATION
76-ME-06 MEYER, DOLLING+ K ..EXPERIMENT/ PHONON DISPERSION/ 1BAR,4.1KBAR/ MODE GRUENEISEN CONST.
76-SR-01 SRIVASTAVA, MITRA+ CS/ NA/ K ..THORY OF SOLIDS/ FREQUENCIES VS. ATOMIC NUMBER/ THEORY
77-DA-02 DAY, SUN+ LI/ NA/ K ..THEORY/ PHONON DISPERSION
77-DO-01 DOLLING, MEYER K ..EXPERIMENT/ PHONON DISPERSION/ 4.3K
77-GL-05 GLYDE, HAINSEN+ K ..MOLECULAR DYNAMICS COMPUTATION/ DYNAMICAL STRUCTURE FACTOR/ ANHARMONIC LATTICE DYNAMIC

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77-HA-01  HANSEN, KLEIN      K ..BCC K/ DAGAN-RASOLT TAYLOR PSEUDOPOTENTIAL
77-MU-02  MURPHY          K ..THEORY/ LIQUID ..MONTE CARLO METHOD/ 338,408DK
77-RA-03  RAI, HEMKAR      LI/ NA/ K/ RB/ THEORY-OF-SOLIDS ..PHONON DISPERSION/ ALKALI METAL
77-SR-01  SRIVASTAVA      NA/ K/ HG/ BI/ NA-K ..THEORY/ INTERATOMIC FORCE CONSTANTS/ KNIGHT SHIFT/ FREQUENCY SPECTRUM ..P
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2. 54 RHENIUM RH

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77-RA-05  RAO, RAMANAND      RHENIUM ..THEORY/ PHONON DISPERSION/ PHONON SPECTRA
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2. 55 RUBIDIUM RB

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66-AN-01  ANIMALU, BONSIGNORI+      NA/ K/ AL/ LI/ RB/ CS ..THEORY/ PHONON DISPERSION/ MODEL POTENTIAL
66-PA-03  PASKIN          REVIEW-ARTICLES/ AR/ NA/ CE/ RB ..LIQUID/ THEORY/ STRUCTURE FACTOR/ VELOCITY AUTOCORRELATION FU
67-CO-01  COCKING         AL/ PB/ BI/ RB/ SN ..SOLID/ LIQUID/ DISPERSION RELATION/ EXPERIMENT
68-CO-08  COPLEY, BROCKHOUSE+      RB ..EXPERIMENT/ DISPERSION RELATION ..120DK
69-BO-01  BOFFEY          K/ RB ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..ELECTRON-PHONON INTERACTION/ EXC
69-KR-01  KREBS, HOELZL      LI/ NA/ K/ RB/ CU/ AL/ PB/ FE/ NI/ PT/ COMPUTER-CODES ..PSEUD-ION APPROXIMATION/ FITTING TO
69-PA-01  PAGE, EGELSTAFF+      AR/ RB ..LIQUID/ STRUCTURE FACTOR
69-PR-02  PRAKASH, JOSHI      LI/ NA/ K/ RB/ CS ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ SOLID/ LATTICE DYN
70-PA-02  PAL             RB ..THEORY/ FREQUENCY SPECTRUM/ DEBYE TEMP.
70-PR-02  PRICE, SINGWI+      NA/ K/ LI/ RB ..THEORY/ DISPERSION RELATION ..PHONON LIFE TIMES DUE TO ELECTRON-PHONON INTE
70-SI-04  SINGH, PRAKASH      LI/ RB/ K/ CS/ ..THEORY/ LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION ..ALKALI METAL
71-EG-01  EGELSTAFF, PAGE+      RB/ AR/ C.CL4 ..EXPERIMENT/ TRIPLET CORRELATION FUNCTION/ THEORY
72-EG-02  EGELSTAFF, WANG      RB/ NE ..THEORY/ EXPERIMENT/ LIQUID/ STRUCTURE FACTOR ..DENSITY DEPENDENT POTENTIAL
72-EG-03  EGELSTAFF, PAGE+      RB ..MEAN SQUARE FORCE
72-SC-01  SCHOMMERS       RB ..SCATTERING LAW/ FLUID STATE/ STRUCTURE FACTOR
72-SI-02  SINGH, PRAKASH      LI/ NA/ K/ RB/ CS ..THEORY/ DISPERSION CURVE
72-SI-03  SINGH, PRAKASH      LI/ NA/ K/ RB/ CS ..THEORY/ PHONON DISPERSION
72-SU-01  SUCK, GLAESER      RB ..EXPERIMENT/ LIQUID AND SOLID/ COLLECTIVE EXCITATION
73-CO-04  COPLEY, BROCKHOUSE      RB ..EXPERIMENT/ PHONON DISPERSION/ 12,85,120,205K/ HARMONIC ANALYSIS/ PHONON DENSITY
73-CO-05  COPLEY          RB/ NEUTRON-SCATTERING-IN-SOLIDS ..ANHAMONICITY/ DISPERSION CURVE
73-SE-01  SEARS           NEON/ RUBIDIUM/ HYDROGEN/ THEORY-OF-FLUIDS ..THEORY/ FUUID/ SCATTERING FUNCTION
74-BA-01  BARKER, GASKELL      NEUTRON-SCATTERING-IN-FLUIDS/ RB ..TRIPLE-PEAKS
74-CO-03  COPLEY, ROWE      RB/ NEUTRON-SCATTERING-IN-FLUIDS ..DISPERSION CURVE/ ZERO SOUND/ LIQUID
74-CO-04  COPLEY, ROWE      RB ..SCATTERIN LAW/ COHERENT SCATTEKING/ EXPERIMENT
74-DA-01  DA-CUNHA-LIMA, BRESCANSIN+      K/ LI/ RB ..PHONON DISPESION RELATION/ KREBS MODEL
74-JO-01  JOGI            RB/ CS/ PT ..THEORY/ PHONON DISPERSION/ ANGULAR FORCE MODEL
74-PR-01  PRAKASH, PATHAK+      K/ RB/ LI ..THEORY/ LATTICE DYNAMICS/ PHONON DISPERSION/ ANGULAR FORCE MODEL
74-PR-02  PRAKASH, PATHAK+      LI/ K/ RB ..THEORY/ PHONON DISPERSION
74-RA-02  RAHMAN          RB/ NEUTRON-SCATTERING-IN-FLUIDS ..DISPESION CURVE/ ZERO SOUND
74-RA-03  RAHMAN          RB ..MOLECULAR DYNAMIC CALCULATION/ LIQUID
75-BL-04  BLOCK, SCHOMMERS      RB/ THEORY-OF-FLUIDS ..THEORY/ LIQUID/ MOLECULER DYNAMICS/ CORRELATION FUNCTION ..TRIPLET
75-RO-01  ROSENGREN, JOHANSSON      RB ..THEORY/ PHONON DISPERSION AND SPECTRA/ PSEVDOPOTENTIAL CALCULATION
75-SC-05  SCHOMMERS       RB ..THEORY/ LIQUID/ VELOCITY AUTOCORRELATION FUNCTION/ FREQUENCY DISTRIBUTION
76-AI-01  AILAWADI, MILLER+      NA/ RB ..THEORY/ STRUCTURE FACTOR
76-CH-05  CHIAKWELU, GASKELL      RB/ THEORY-OF-FLUIDS ..VELOCITY AUTOCORRELATION FUNCTION/ EFFECT ON FREQUENCY SPECTRUM
76-GE-03  GESZTI          SODIUM/ RUBIDIUM ..CALCULATION/ ATOMIC DYNAMICS/ LIQUID METAL/ OSCILLATION/ DISPERSION CURVE
76-GO-03  GOETZE, ZIPPELIUS      THEORY-OF-FLUIDS/ AR/ RB ..SELF-CORRELATION FUNCTION/ CLASSICAL LIQUIDS
76-KA-02  KAHOL, BANSAL+      RB/ NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ MEMORY-FUNCTON-METHOD
76-MI-04  MITRA, HUTCHINSON+      RUBIDIUM ..THEORY/ PAIR POTENTIAL/ CALCULATED FROM EXPERIMENTAL DATA
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76-YO-01 YOSHIDA NA/ RB/ PB/ THEORY-OF-FLUIDS ..DYNAMICAL STRUCTURE FACTOR/ COLLECTIVE MODE
77-BA-02 BANSAL, AILAWADI THEORY-OF-FLUIDS/ RB ..COHEERENT SCATTERING FUNCTION
77-BA-04 BANSAL, NAGHIZADEH NEUTRON-SCATTERING-IN-FLUIDS/ THEORY-OF-FLUIDS/ RUBIDIUM ..COHERENT SCATTERING FUNCTION
77-GA-03 GASKELL, CHIAKWELU ARGON/ RUBIDIUM ..THEORY/ FREQUENCY SPECTRUM/ MEMORY FUNCTION
77-PR-02 PRASAD, SRIVASTAVA RB/ CS ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
77-RA-03 RAI, HEMKAR LI/ NA/ K/ RB/ THEORY-OF-SOLIDS ..PHONON DISPERSION/ ALKALI METAL

2. 56 SCANDIUM SC

71-WA-01 WAKABAYASHI, SINHA+ SC ..EXPERIMENT/ PHONON DISPERSION/ MODEL FITTING/ PHONON DENSITY/ DEBYE TEMPERATURE
73-BO-03 BOSE, GUPTA+ SC ..THEORY/ PHONON DISPERSION/ FIVE PARAMETER
73-RA-04 RAO, MENON SC ..THEORY/ PHONON DISPERSION/ SECOND ORDER ELASTIC CONSTANT/ KEATING METHOD
74-KA-05 KAUR, KUSHWAHA SC ..THEORY/ PHONON DISPERSION
75-CA-06 CAVALHEIRO, SHUKLA SC/ TB/ HO/ TL/ ZR ..THEORY/ PHONON DISPERSION/ DE-LAUNAY MODEL
75-SI-07 SINGH, PRAKASH SC/ Y ..CALCULATION/ PHONON DISPERSION/ HCP METAL
75-SI-12 SINHA, UPADHYAYA SC/ Y/ ZR ..THEORY/ PHONON DISPERSION/ KREB MODEL
76-FR-01 FREEMAN THEORY-OF-SOLIDS/ GD/ SC/ PD/ PT ..MAGNETIC FORM FACTORS/ METAL
76-MO-02 MOON, KOEHLER+ REVIEW-ARTICLES/ CR/ V/ SC/ PD/ TI/ Y/ NB/ ..MAGNETIC FORM FACTOR
77-SI-02 SINGH, PRAKASH SC/ Y ..THEORY/ PHONON DISPERSION/ H.C.P. METAL

2. 57 SELENIUM SE

51-EG-01 EGELSTAFF H/ BE/ V/ SE/ MO/ FE ..SOLID/ EXPERIMENT/ TRANSMISSION
67-AX-01 AXMANN, GISSLER SE/ TE ..EXPERIMENT/ TOF/ POLYCRYSTAL
67-GE-02 GEICK, SCHROEDER+ SE ..INFRARED EXPERIMENT/ CALCULATION/ PHONON DISPERSION
67-HE-01 HENNINGER, BUSCHERT+ SE ..SIGMA(THETA,E)/ CORRELATION FUNCTION/ EXPERIMENT/ LIQUID/ SOLID/ CROSS SECTION E
67-KO-05 KOTOV, OKUNEVA+ SE ..EXPERIMENT/ FREQUENCY SPECTRA/ AMORPHOUS AND CRYSTAL SE
68-GI-02 GISSLER, AXMANN+ SE/ TE ..EXPERIMENT/ SOLID/ LIQUID/ TOF/ 3-AXIS-SPECTROMETER ..340DC FOR SE/ 450DC FOR TE
72-KO-02 KOLLMAR SE ..EXPERIMENT/ QUASIELASTIC SCATTERING/ LIQUID STATE
72-NA-03 NAKAYAMA, ODAJIMA SE ..THEORY/ VALENCE-FORCE-FIELD/ ELASTIC CONSTANT
73-BR-01 BREBNER, JANDL+ GA/ SE ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ INELASTIC NEUTRONSCATTERING
73-NA-02 NAKAYAMA, ODAJIMA SE ..THEORY/ PHONON DISPERSION/ VALENCE FORCE FIELD/ SIX FORCE CONSTANTS
74-HA-03 HAMILTON, LASSIER+ SE ..EXPERIMENT/ DISPERSION RELATION/ INTERATOMIC FORCE CONSTANT ..THREE-AXIS-SPECTROME
74-TE-01 TEUCHERT, GEICK SE/ TE ..THEORY/ PHONON DISPERSION
75-TE-03 TEUCHERT, GEICK+ SE ..EXPERIMENT/ SOLID/ DISPERSION RELATION/ LATTICE DYNAMICS ..SHELL MODEL
75-WE-03 WENDEL, WEBER+ SE ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..SHELL MODEL
76-MA-04 MARTIN, LUCOVSKY+ SE/ TE ..THEORY/ DISPERSION RELATION/ BORN-VON KARMAN MODEL/ SOLID ..VALANCE-FORCE-FIELD
76-ME-01 MEEK SE/ TE ..THEORY/ PHONON SPECTRA

2, 58 SILICON SI

59-BR-03 BROCKHOUSE GE/ SI ..EXPERIMENT/ DISPERSION RELATION
61-DO-01 DOLLING SI ..EXPERIMENT/ DISPERSION RELATION
63-DO-01 DOLLING SI ..EXPERIMENT/ DISPERSION RELATION
63-DO-02 DOLLING SI ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVE/ MODIFIED SHELL MODEL/ ROOM TEMPERATURE
65-DO-04 DOLLING GE/ SI ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
65-SL-01 SLATER V/ SI/ CU/ NEUTRON-SCATTERING-IN-SOLIDS ..HARMONIC APPROXIMATION/ DEBYE APPROXIMATION
66-DO-02 DOLLING, COWLEY GE/ SI/ DIAMOND/ GA.AS ..COHERENT INELASTIC SCATTERING STUDIES/ PHONON DISPERSION
68-MA-07 MARTIN SI ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION

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70-PA-01  PAL             SI ..THEORY/ DISPERSION RELATION
70-SI-06  SINGH, DAYAL      SI ..THEORY/ PHONON DISPERSION/ SIX VALENCE FORCE MODEL
70-SO-01  SOLBIG          SI ..THEORY/ SOLID/ DISPERSION RELATION/ LATTICE DYNAMICS/ FORCE CONSTANTS ..VALENCE FORCE
71-JE-03  JEX             DIAMOND/ GE/ SI ..THEORY/ PHONON DISPERSION/ THERMAL PROPERTIES/ ANHARMONIC INTERACTION
71-SO-02  SOLBRIG-JR      SI ..THEORY/ PHONON DISPERSION/ VALENCE FORCE POTENTIAL
72-JE-01  JEX             GE/ SI ..THEORY/ PHONON/ ANHARMONIC INTERACTION
72-NI-03  NILSSON, NELIN      GE/ SI ..LATTICE DYNAMICS/ NEUTRON SPECTROSCOPY
72-TH-02  THOMA, ZIMMERMANN      SI ..CALCULATION/ SURFACE PHONON
72-TU-01  TUBINO, PISERI+      DIAMOND/ SI/ GE/ SN ..THEORY/ PHONON DISPERSION/ PHONON DENSITY/ VALENCE FORCE POTENTIAL
73-PA-05  PANDEY, DAYAL      SI/ GE ..THEORY/ PHONON DISPERSION/ CLARK-GAZIS-WALLIS TYPE ANGULAR FORCE MODEL/ FOUR PARAME
73-TH-01  THORPE          GE/ SI ..THEORY/ SOLID/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION ..BORN MODEL
74-JO-03  JOHNSON, MOORE      THEORY-OF-SOLIDS/ DIAMOND/ SI ..PHONON DISPERSION/ BOND CHARGE MODEL
74-NE-06  NESTERENKO, GORBACHEV+      SI ..PHONON SPECTRUM/ EFFECT OF SURFACE/ EXPERIMENT
75-AL-01  ALBEN, WEAIRE+      SI/ GE ..EXPERIMENT/ RAMAN,IR SPECTRA/ PHONON SPECTRA/ NUMERICAL CALCULATION/ PREDICTION FO
75-AL-02  ALTSHULER, VEKILOV+      SI/ GA,AS/ ZN,S ..THEORY/ DISPERSION RELATION/ LATTICE DYNAMICS ..PSEUDOPOTENTIAL METH
75-CH-02  CHEN, VETELINO+      GE/ SI ..THEORY/ SOLID/ FREQUENCY DISTRIBUTION ..AMORPHOUS SOLID/ RIGID ION MODEL
76-CH-01  CHADI, MARTIN      C/ SI/ GE ..CALCURATION/ LATTICE DYNAMICAL PROPERTY/ ZONE BOUNDARY TRANSVERSE ACOUSTIC PHONO
77-WE-04  WEINSTEIN       ZN,TE/ ZN,SE/ ZN,S/ SI/ GA,P ..RAMAN SPECTRA/ METALLIC PHASE TRANSITION/ PHONON DISPERSION RELA
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2. 59 SILVER AG

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69-DR-01  DREXEL, GLAESER+      AG ..DISPERSION RELATION/ BORN-VON KARMAN MODEL/ EXPERIMENT ..ROOM TEMPERATUR/ PSEUDORAND
69-KA-02  KAMITAKAHARA, BROCKHOUSE      AG ..DISPERSION RELATION/ EXPERIMENT/ CONSTANT-Q METHOD ..ROOM TEMPERATURE
70-BE-03  BEHARI, TRIPATHI      CU/ AG/ AU ..THEORY/ LATTICE VIBRATION/ DISPERSION RELATION ..NON-CENTRAL FORCE MODEL/ EL
70-SH-04  SHARAN, BAJPAI      AG ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATIONS/ SPECIFIC HEAT
70-VA-01  VADOVIC, COLVER      AG/ GA/ HG/ NA/ PB/ SN/ ZN ..THEORY/ SELF-DIFFUSION CONSTANT
71-DR-01  DREXEL          AG ..EXPERIMENT/ PHONON DISPERSION
71-NI-04  NIKULIN, TSAREV      AG ..CALCULATION/ PHONON FREQUENCY
71-SH-01  SHARMA, SINGH      CU/ AG/ AU ..THEORY/ PHONON DISPERSION/ METAL
71-SI-01  SINGH, SHARMA      CU/ AG/ AU/ AL/ NI/ NA/ CR/ FE ..THEORY/ DEBYE-WALLER FACTOR
72-DR-01  DREXEL          AG ..EXPERIMENT/ PSEUDOPOTENTIAL ANALYSIS/ PHONON DISPERSION
73-SH-05  SHUKLA, CAVALHEIRO      CU/ AG/ AL/ NI/ PD ..THEORY/ PHONON DISPERSION/ PHONON SPECTA/ FOURTH NEIGHBOURS FORCE
73-SI-01  SINGH, PRAKASH      CU/ AG/ AU ..THEORY/ PHONON DISPERSION
74-GO-01  GOEL, PANDEY+      AG/ PD/ PT ..PHONON DISPERSION RELATION
74-GO-02  GOEL, PANDAY+      CU/ AG ..THEORY/ LATTICE DYNAMICS/ INTERATOMIC FORCE CONSTANT/ DISPERAION RELATION ..ELECTRO
75-CL-01  CLOSS, SHUKLA      CU/ AG/ AU ..THEORY/ PHONON DISPERSION/ SPECIFIC HEAT
75-GO-02  GOPALARAO, MURTHY      COPPER/ GOLD/ SILVER ..LIQUID NOBLE METAL ..STRUCTURE FACTOR
77-NA-01  NAND, TRIPATHI      CU/ AG ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL
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2. 60 SODIUM NA

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58-TO-02  TOYA            NA ..THEORY/ SOLID/ LATTICE DYNAMICS
62-CO-01  COCKING, TURBERFIELD      NA ..EXPERIMENT/ TOF SPECTRA ..110DC/ 80DC
62-WO-01  WOODS, BROCKHOUSE+      NA ..EXPERIMENT/ SOLID/ DISPERSION RELATION
62-WO-02  WOODS, BROCKHOUSE+      NA ..EXPERIMENT/ SOLID/ DISPERSION RELATION ..90 DK
63-CO-01  COCHRAN         NA ..THEORY/ SOLID/ DISPERSION RELATION
63-CO-04  COCKING         NA ..EXPERIMENT/ LIQUID ..DOUBLE DIFFERENTIAL CROSS SECTION
64-RA-02  RANDOLPH        NA ..SCATTERING LAW / STRUCTURE FACTOR/ LIQUIDS
65-KR-01  KREBS           LI/ NA/ K ..THEORY/ SOLID/ DISPERSION RELATION
65-PR-01  PRAKASH, JOSHI      NA ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
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65-SH-01  SHAM            NA ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
65-SI-03  SINGWI, FELDMANN      NA ..THEORY/ SCATTERING FUNCTION/ LIQUID ..PHONON IN LIQUID
66-AN-01  ANIMALU, BONSIGNORI+      NA/ K/ AL/ LI/ RB/ CS ..THEORY/ PHONON DISPERSION/ MODEL POTENTIAL
66-BR-05  BRUGGER         METHANE/ ETHANE/ AL/ NA/ PB/ AR ..COMPILATION/ SCATTERING FUNCTION
66-DI-01  DIEDERICH, TRIVISONNO      NA ..EXPERIMENT ..SINGLE CRYSTAL/ 78 DK TO 195 DK/ ULTRASONIC PULSE ECHO TECHNIQUE
66-OE-01  OEHME, RICHTER      CS/ BI/ NA ..STRUCTURE FACTOR
66-PA-02  PASKIN, RAHMANN      NA ..THEORY/ LIQUID ..MOLECULAR POTENTIAL/ RADIAL DENSITY FUNCTION
66-PA-03  PASKIN          REVIEW-ARTICLES/ AR/ NA/ CE/ RB ..LIQUID/ THEORY/ STRUCTURE FACTOR/ VELOCITY AUTOCORRELATION FU
66-RO-01  ROSENSTOCK, BLANKEN      NA/ NB/ MO/ TA/ W/ CU-ZN/ SN ..THEORY/ DISPERSION RELATION ..FORCE CONSTANTS FOR BORN-
67-BJ-01  BJOERKMAN, GRIMVALL      NA ..THEORY/ PHONON POLARIZATION/ KREBS MODEL
67-FE-01  FERZIGER, FEINSTEIN      NEUTRON-SCATTERING-IN-FLUIDS/ NA ..SCATTERING THEORY/ GAS/ LIQUID/
67-FE-02  FERZIGER, FEINSTEIN      NA/ NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID DYNAMICS
67-HO-01  HO, RUOFF       NA ..THEORY/ PHONON DISPERSION/ QUASI-HARMONIC MODEL
67-HO-02  HO, RUOFF       NA ..THEORY/ PHONON DISPERSION/ QUASI-HARMONIC CALCULATION
67-RA-05  RANDOLPH        NA ..EXPERIMENT/ LIQUID
68-AG-02  AGRAWAL, DESAI+      NEUTRON-SCATTERING-IN-FLUIDS/ AR/ NA/ PB/ METHANE ..THEORY ..MODEL CALCULATION
68-AR-01  ARDENTE, NARDELL+      AR/ NA ..THEORY/ LIQUID/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION/ SCATTERING FUNCTION
68-CO-04  COCKING         NA/ PB ..EXPERIMENT/ LIQUID/ ..LIQUID DYNAMICS
68-HO-01  HO              THEORY-OF-SOLIDS/ NA/ K ..DISPERSION RELATION/ THEORY/ LATTICE DYNAMICS
68-OZ-01  OZELTON, SWALIN      NA ..DIFFUSION COEFFICIENT/ LIQUID
68-RA-02  RANDOLPH        NA ..SCATTERING FUNCTION/ EXPERIMENT/ LIQUID ..375.8DK/ QUASI-ELASTIC/ INELASTIC
68-RA-03  RANDOLPH        NA ..EXPERIMENT/ TOF ..102DC/ SMALL MOMENTUM TRANSFER/ DIFFUSIVE AND COLLECTIVE EXCITATION
68-SC-06  SCHNEIDER, STOLL      NA/ MG/ AL ..THEORY/ LATTICE DYNAMICS ..ELECTRONIC STRUCTURE/ METAL
69-CO-02  COCKING         NA ..QUASI-ELASTIC PEAK/ TOF/ SCATTERIN LAW/ MEAN SQUARE DISPLACEMENT/ EXPERIMENT/ LIQUID/ DIFF
69-DE-02  DESAI, YIP      NA/ PB ..THEORY/ LIQUID/ SCATTERING FUNCTION ..LIQUID METAL
69-IC-01  ICHIKAWA, SHIMOJI      LI/ NA/ K/ HG/ PB ..DIFFUSION PARAMETER/ LIQUID/ THEORY ..LIQUID METAL/ FRICTION CONSTAN
69-KR-01  KREBS, HOELZL      LI/ NA/ K/ RB/ CU/ AL/ PB/ FE/ NI/ PT/ COMPUTER-CODES ..PSEUD-ION APPROXIMATION/ FITTING TO
69-PR-01  PRAKASH, JOSHI      NA ..DISPERSION RELATION/ SOLID/ THEORY/ LATTICE DYNAMICS ..PHONON/ POTENTIAL/ METAL
69-PR-02  PRAKASH, JOSHI      LI/ NA/ K/ RB/ CS ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ SOLID/ LATTICE DYN
70-BE-02  BEHARI, TRIPATHI      NA ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..BCC METAL
70-CO-06  COULTHARD       SODIUM/ POTASSIUM/ ALUMINIUM/ LEAD ..THEORY/ LATTICE VIBRATION/ DISPERSION RELATION ..PRESSURE
70-GE-01  GELDART, TAYLOR+      NA ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ DEBYE TEMPERATURE/ THORY/ LATTICE DYNAM
70-JA-01  JAIN, SAXENA+      NA ..SCATTERING LAW/ THEORY/ LIQUID/ CORRELATION FUNCTION ..LIQUID METAL/ RESPONSE FUNCTION/
70-KO-02  KOLLMANNSBERGER, FRITSCH+      NA ..EXPERIMENT/ X-RAY/ LIQUID ..STRUCTURE FUNCTION/ 102DC/ 149DC
70-KU-05  KUSHWAHA, RAJPUT      THEORY-OF-SOLIDS/ NA/ K ..PHONON DISPERSION CURVE/ METAL/ BCC
70-MA-05  MARTINELLI      NA ..THEORY/ BAND STRUCTURE/ PHONON DISPERSION/ PSEUDOPOTENTIAL MODEL
70-NA-01  NAKAHARA        NA ..THEORY/ SCATTERING LAW/ LIQUID ..VLASOV EQUATION/ LIQUID METAL
70-PR-02  PRICE, SINGWI+      NA/ K/ LI/ RB ..THEORY/ DISPERSION RELATION ..PHONON LIFE TIMES DUE TO ELECTRON-PHONON INTE
70-VA-01  VADOVIC, COLVER      AG/ GA/ HG/ NA/ PB/ SN/ ZN ..THEORY/ SELF-DIFFUSION CONSTANT
71-BA-03  BAJPAI, NEELAKANDAN      NA ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE/ AXIALLY SYMMETRIC MODEL
71-ER-02  ERNST           NA ..EXPERIMENT/ PHONON FREQUENCY/ PRESSURE EFFECT
71-GR-01  GREENFIELD, WISER      NA/ PB ..EXPERIMENT/ STRUCTURE FACTOR ..X-RAY DIFFRACTION
71-JA-01  JAIN, BHANDARI      AR/ NA ..THEORY/ MEMORY FUNCTION/ LIQUID DYNAMICS
71-MI-02  MILLINGTON, SQUIRES      NA ..EXPERIMENT/ PHONON DISPERSION
71-NA-01  NAKAHARA        NEUTRON-SCATTERING-IN-FLUIDS/ NA ..THEORY/ SCATTERING SIGMA/ LIQUID METAL
71-TR-04  TRIPATHI, BEHARI      LI/ NA/ K ..CALCULATION/ PHONON DISPERSION/ DEBYE TEMP.
71-WE-01  WERNER, PYNN      NA ..PHONON DISPERSION
72-BA-02  BAJPAI, NEELAKANDAN      LI/ NA/ K ..THEORY/ PHONON DISPERSION/ BCC METAL/ AXIALLY SYMMETRIC MODEL
72-GL-01  GLYDE, TAYLOR      NA ..THEORY/ PHONON DISPERSION/ LIFE TIME/ ANHARMONIC/ 5, 90, 160, 293, 361K
72-GR-01  GREENFIELD, WISER+      NA/ K ..THEORY/ LIQUID/ STRUCTURE FACTOR/ HARD-SPHERE MODEL
72-KO-03  KOTHARI, SINGHAL      NA ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..ANGULAR FORCE
72-MI-02  MITRA           SODIUM ..VELOCITY AUTOCORRELATION
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72-SH-06  SHUKLA, DA-CUNHA-LIMA+      NA ..THEORY/ PHONON DISPERSION
72-SI-02  SINGH, PRAKASH      LI/ NA/ K/ RB/ CS ..THEORY/ DISPERSION CURVE
72-SI-03  SINGH, PRAKASH      LI/ NA/ K/ RB/ CS ..THEORY/ PHONON DISPERSION
72-TO-03  TONG            NA ..THEORY/ LOCAL-EFFECTIVL-POTENTIAL APPROX./ LATTICE PARAMETER/ COMPRESSIBILITY/ COHESIVE EN
73-BA-02  BARKER, GASKELL      NA ..THEORY/ S(Q,OMEGA)/LIQUID/ HYDRODYNAMIC APPROACH
73-FR-02  FRITSCH, GEIPEL+      NA ..EXPERIMENT/ ULTRASONIC PULSE ECHO/ ELASTIC CONSTANT
73-MI-06  MITRA           THEORY-OF-FLUIDS/ NA ..MEMORY FUNCTION/ SELF DIFFUSION CONSTANT
73-PA-06  PATHAK, SINGWI+      NA ..THEORY/ LIQUID/ COLLECTIVE MOTION/ STRUCTURE FACTOR/ SCATTERING FUNCTION
73-SH-09  SHUKLA, SALZBERG      NA ..THEORY/ PHONON DISPERSION/ BHATIA MODEL
74-AI-01  AILAWADI, BANERJER+      NA/ K ..EFFECTIVE PAIR POTENTIAL/ RADIAL DISTRIBUTION FUNCTION/ LIQUID
74-BE-02  BERTONI, BORTOLANI+      LI/ NA/ AL/ PB/ ..THEORY/ PHONON DISPERSION/ THIRD ORDER PERTURBATION THEORY
74-HA-05  HASEGAWA, WATABE      THEORY-OF-FLUIDS/ NA/ K ..LIQUID METAL/ ELECTRON THEORY/ STRUCTURE FACTOR/ THERMAL EXPANS
74-NE-07  NEWMAN          NA ..THEORY/ FREQUENCY DISTRIBUTION ..F-G MATRIX METHOD
75-BA-01  BARKER, GASKELL      THEORY-OF-FLUIDS/ NA ..LIQUID METALS/ DAMPING OF COLLECTIVE MODE/ LONG-RANGE OSCILLATORY I
75-CU-01  CUBIOTTI, GIULIANO+      NA ..PAIR CORRELHTON FUNCTION
75-GO-01  GOEL, PANDEY+      NA/ K ..THEORY/ PHONON DISPERSION/ METAL/ MODIFIED SHARMA-JOSHI MODEL
75-JI-01  JINDAL          NA/ K ..THEORY/ SOLID/ DISPERSION RELATION/ LATTICE DYNAMICS ..OPW METHOD/ DIELECTRIC FUNCTION
75-KU-01  KUMAR, TOLPADI      COPPER/ SODIUM ..DISPERSION RELATION
75-RE-02  REISSLAND, ESE      AL/ NA/ MG/ IN/ TL ..THEORY/ PHONON DISPERSION/ PHONON SPECTRA/ MODEL POTENTIAL CALCULATION
76-AI-01  AILAWADI, MILLER+      NA/ RB ..THEORY/ STRUCTURE FACTOR
76-CA-03  CARNEIRO        H2/ AR/ NEUTRON-SCATTERING-IN-FLUIDS/ NA ..FREQUENCY-SPECTRA
76-GE-03  GESZTI          SODIUM/ RUBIDIUM ..CALCULATION/ ATOMIC DYNAMICS/ LIQUID METAL/ OSCILLATION/ DISPERSION CURVE
76-GO-04  GOHEL, JANI      NA/ CU/ W ..DISPERSION RELATIONS/ CUBIC METAL/ THEORY
76-HA-07  HASEGAWA        K/ NA ..THEORY/ LIQUID STRUCTURE/ THIRD ORDER PERTURBATION
76-SR-01  SRIVASTAVA, MITRA+      CS/ NA/ K ..THORY OF SOLIDS/ FREQUENCIES VS. ATOMIC NUMBER/ THEORY
76-YO-01  YOSHIDA         NA/ RB/ PB/ THEORY-OF-FLUIDS ..DYNAMICAL STRUCTURE FACTOR/ COLLECTIVE MODE
77-DA-02  DAY, SUN+       LI/ NA/ K ..THEORY/ PHONON DISPERSION
77-RA-03  RAI, HEMKAR      LI/ NA/ K/ RB/ THEORY-OF-SOLIDS ..PHONON DISPERSION/ ALKALI METAL
77-SR-01  SRIVASTAVA      NA/ K/ HG/ BI/ NA-K ..THEORY/ INTERATOMIC FORCE CONSTANTS/ KNIGHT SHIFT/ FREQUENCY SPECTRUM ..P
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2. 61 STRONTIUM SR

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73-PR-01  PRASAD, SRIVASTAVA      BA/ SR/ CA ..THEORY/ SOLID / DISPERSION RELATION/ LATTICE DYNAMICS ..PSEUDOPOTENTIAL
73-SW-01  SWAROOP, BOHRA+      CA/ SR ..THEORY/ PHONON DISPERSION/ PHONON DENSITY/ DEBYE TEMP./ SHARMA-JOSHI MODEL
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2. 62 SULPHUR S

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71-PA-04  PAWLEY, RINALDI+      S ..THEORY/ EXPERIMENT/ PHONON DISPERSION
74-PA-10  PAWLEY, MIKA      NAPHTHALENE/ ANTHRACENE/ SULPHUR ..THEORY/ PRESSURE EFFECT/ LATTICE DYNAMICS/ PHONON DISPERSI
75-LU-01  LUTY, PAWLEY      S ..THEORY/ PHONON DISPERSION/ SHELL MODEL
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2. 63 TANTALUM TA

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64-WO-02  WOODS           TA ..EXPERIMENT/ SOLID/ DISPERSION RELATION
65-WO-01  WOODS           NB/ TA/ MO/ W ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
66-RO-01  ROSENSTOCK, BLANKEN      NA/ NB/ MO/ TA/ W/ CU-ZN/ SN ..THEORY/ DISPERSION RELATION ..FORCE CONSTANTS FOR BORN-
72-BA-05  BAJPAI, NEELAKANDAN      FE/ NB/ TA/ W ..THEORY/ PHONON DISPERSION/ BCC METAL/ MODIFIED AXIALLYSYMMETRIC MODEL
76-BR-01  BRESCANSIN, PADIAL+      FE/ MO/ W/ NB/ TA/ CR ..THEORY/ PHONON DISPERSION/ TRANSITION METAL/ MODEL CALCULATION
77-PA-02  PARIKH, HAY      V/ NB/ TA/ CR/ MO/ W/ FE ..THEORY/ PHONON DISPERSION/ ELASTIC CONSTANTS
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2. 64 TECHNETIUM TC

72-SM-02 SMITH, WAKABAYASHI+ NB.C/ ZR.C/ TC/ ZR/ Y ..EXPERIMENT/ SUPERCONDUCTIVITY/ ELECTRON-PHONON INTERACTION

2. 65 TELLURIUM TE

65-HU-01 HULIN TE ..THEORY/ SOLID/ LATTICE DYNAMICS
67-AX-01 AXMANN, GISSLER SE/ TE ..EXPERIMENT/ TOF/ POLYCRYSTAL
68-GI-02 GISSLER, AXMANN+ SE/ TE ..EXPERIMENT/ SOLID/ LIQUID/ TOF/ 3-AXIS-SPECTROMETER ..340DC FOR SE/ 450DC FOR TE
72-ME-02 MENON, RAO TE ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
73-CO-06 COALEY TE ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..BOND CHARGE MODEL
74-TE-01 TEUCHERT, GEICK SE/ TE ..THEORY/ PHONON DISPERSION
75-PO-04 POWELL, MARTEL TE ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTIN/ DEBYE TEMPERATUR
76-MA-04 MARTIN, LUCOVSKY+ SE/ TE ..THEORY/ DISPERSION RELATION/ BORN-VON KARMAN MODEL/ SOLID ..VALANCE-FORCE-FIELD
76-ME-01 MEEK SE/ TE ..THEORY/ PHONON SPECTRA
76-WE-02 WENDEL TE ..THEORY/ PHONON DISPERSION/ VALENCE FORCE FIELD MODEL

2. 66 TERBIUM TB

70-HO-02 HOUMANN, NICKLOW TB ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES/ CONST.-Q METHOD ..FREQUENCY SPECTRA
73-UP-01 UPADHYAYA, VERMA Y/ TB ..THEORY/ PHONON DISPERSION/ SHARMA-JOSHI MODEL
75-CA-06 CAVALHEIRO, SHUKLA SC/ TB/ HO/ TL/ ZR ..THEORY/ PHONON DISPERSION/ DE-LAUNAY MODEL
77-SH-03 SHARMA, UPADHYAYA BE/ TB/ HO ..THEORY/ PHONON DISPERSION/ FORCE CONSTANT MODEL
77-SI-01 SINGH, SINGH+ ZN/ ZR/ TL/ TB/ HO ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL APPROACH
77-UP-01 UPADHYAYA, ANIMALU TB/ HO ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION

2. 67 THALLIUM TL

68-NO-01 NORTH, ENDERBY+ ZN/ TL/ PB/ SN/ BI ..EXPERIMENT/ LIQUID/ STATISTICAL MECHANICS ..LIQUID METAL/ 340DC-1100D
70-SH-03 SHARAN, BAJPAI BE/ MG/ TL ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..HEXAGONAL METAL
71-KU-02 KUSHWAHA BE/ TL ..NON-CENTRAL FORCE MODEL
71-KU-05 KUSHWAHA, RAJPUT TL ..CALCULATION/ KREB MODEL/ PHONON DISPERSION/ DEBYE TEMP.
71-WO-01 WORLTON, SCHMUNK TL ..EXPERIMENT/ PHONON DISPERSION/ FREQUENCY SPECTRA ..77DK/ 296DK
72-BA-01 BAJPAI MG/ ZR/ Y/ TI/ TL/ HF ..THEORY/ PHONON DISPERSION/ FOURTH NEIGHBOURS MODEL/ HEXAGONAL LATTICE
72-ME-03 MENON, RAO TL ..THEORY/ PHONON DISPERSION/ SECOND ORDER ELASTIC CONSTANT
73-KU-04 KUSHWAHA MG/ BE/ TL ..THEORY/ PHONON DISPERSION/ SHORT-RANGE CLOSED-SHELL AND IONIC INTERACTION
73-UP-02 UPADHYAYA, VERMA BE/ MG/ HO/ TL ..THEORY/ PHONON DISPERSION/ MODIFIED SHARMA-JOSHI MODEL
75-CA-06 CAVALHEIRO, SHUKLA SC/ TB/ HO/ TL/ ZR ..THEORY/ PHONON DISPERSION/ DE-LAUNAY MODEL
75-RE-02 REISSLAND, ESE AL/ NA/ MG/ IN/ TL ..THEORY/ PHONON DISPERSION/ PHONON SPECTRA/ MODEL POTENTIAL CALCULATION
77-SI-01 SINGH, SINGH+ ZN/ ZR/ TL/ TB/ HO ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL APPROACH

2. 68 THORIUM TH

73-RE-01 REESE, SINHA THORIUM ..EXPERIMENT/ PHONON DISPERSION/ FORCE CONSTANT ANALYSIS/ PHONON SPECTRA/ DEBYE TEMPE
75-CA-05 CAVALHEIRO, SHUKLA PT/ TH ..THEORY/ PHONON DISPERSION/ DE-LAUNAY MODEL
77-KU-02 KUMAR THORIUM ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..PSEUDOPOTENTIAL

77-VR-01 VRATI, GUPTA+ THORIUM ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL

2. 69 TIN SN

61-PA-01 PALEVSKY H2.O/ PB/ SN ..EXPERIMENT/ LIQUID ..ROOM TEMP.; 450C FOR H2.O/ 462DC FOR PB/ 350DC FOR SN/ BE-F
63-BR-02 BROCKHOUSE, BERGSMA+ SN/ H2.O/ AR/ HE ..EXPERIMENT/ LIQUID
63-CO-05 COCKING, GUNER SN ..EXPERIMENT/ SOLID/ LIQUID
63-EG-03 EGELSTAFF PB/ SN ..EXPERIMENT/ SCATTERING FUNCTION/ LIQUID
63-MU-01 MUSGRAVE SN ..THEORY/ SOLID/ FREQUENCY DISTRIBUTION
63-WO-01 WOLFRAM, LEHMAN+ SN ..THEORY/ SOLID/ DISPERSION RELATION
64-DE-01 DE-WAMES, LEHMAN SN ..THEORY/ SOLID/ LATTICE DYNAMICS
65-BO-01 BORGONOVI, CAGLIOTI+ SN ..EXPERIMENT/ CRYSTAL SPECTROMETER/ DISPERSION RELATION ..ROOM TEMPERATURE/ BODY C
65-BR-03 BROVMAN, KAGAN SN ..SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
65-CO-03 COCKING, EGELSTAFF PB/ SN ..EXPERIMENT/ LIQUID/ DISPERSION RELATION
65-LO-02 LONG-PRICE SN ..EXPERIMENT/ TOF/ DISPERSION RELATION ..ROOM TEMPERATURE/ BODY CENTERED TETRAGONAL
65-MU-01 MUSGRAVE SN ..THEORY/ SOLID/ LATTICE DYNAMICS
65-PA-02 PALEVSKY PB/ H2.O/ SN ..EXPERIMENT/ LIQUID
65-RO-04 ROWE, BROCKHOUSE+ SN ..EXPERIMENT/ DISPERSION RELATION ..BODY CENTERED TETRAGONAL
65-SC-02 SCHMUNK, GAUIN SN ..EXPERIMENT/ DISPERSION RELATION ..BODY CENTERED TETRAGONAL CRYSTAL
66-BR-03 BROVMAN, KAGAN SN ..THEORY/ PHONON DISPERSION AND STATE DENSITIES/ HEAT CAPACITY/ DEBYE TEMPERATURE/ WHITE
66-EG-01 EGELSTAFF, DUFFILL+ PB/ SN/ BI/ ZN/ AL ..EXPERIMENT/ LIQUID/ STRUCTURE FACTOR
67-BR-02 BROVMAN, KAGAN SN/ SN.O2 ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ LATTICE DYNAMICS/ BORN-VON
67-CH-01 CHEN SN ..GROUP THEORY/ LATTICE VIBRATION ..SYMMETRY PROPERTIES
67-CO-01 COCKING AL/ PB/ BI/ RB/ SN ..SOLID/ LIQUID/ DISPERSION RELATION/ EXPERIMENT
67-KA-04 KAY, RITTER SN ..SCATTERING AMPLITUDE/ EXPERIMENT
67-ME-01 MEYERS SN ..EXPERIMENT/ PHONON SPECTRUM
67-MY-01 MYERS SN ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION ..COLD NEUTRON FACILITY/ 0DC/
67-PR-01 PRICE SN ..SOLID/ EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..CONDUCTION ELECTRON
67-RO-01 ROWE SN ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..110DK
68-KO-05 KOTOV, OKUNEVA+ SN ..EXPERIMENT/ PHONON SPECTRA/ SPECIFIC HEAT
68-NO-01 NORTH, ENDERBY+ ZN/ TL/ PB/ SN/ BI ..EXPERIMENT/ LIQUID/ STATISTICAL MECHANICS ..LIQUID METAL/ 340DC-1100D
69-PR-06 PRICE, ROWE SN ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES/ CONST.-Q/ FREQUENCY SPECTRUM ..90DK/ 250
71-PR-04 PRICE, ROWE+ SN/ IN.SB ..EXPERIMENT/ PHONON DISPERSION CURVE ..90DK FOR SN/ 300DK FOR IN.SB
71-PR-05 PRICE, ROWE SN/ IN.SB ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL CALCULATION
71-RO-06 ROWELL, MCMILLAN+ SN ..EXPERIMENT/ ELECTRON TUNNELING/ PHONON SPECTRUM
72-KA-03 KAY, GILAT SN ..THEORY/ PHONON DISPERSION/ STATE DENSITY/ MODEL POTENTIAL
72-KA-05 KAMMER, CARDINAL+ BI/ SN ..EXPERIMENT/ ELASTIC CONSTANT
72-KR-01 KRESS GE/ SN ..THEORY/ PHONON DISPERSION/ MODIFIED SHELL MODEL
72-TU-01 TUBINO, PISERI+ DIAMOND/ SI/ GE/ SN ..THEORY/ PHONON DISPERSION/ PHONON DENSITY/ VALENCE FORCE POTENTIAL
74-SO-01 SOMA SN ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL
76-AL-01 AL'TSHULER, VEKILOV+ DIAMOND/ TIN/ GERMANIUM ..THEORY/ PSEUDOPOTENTIAL METHOD/ PHONON DISPERSION
77-ZD-01 ZDETSIS SN ..THEORY/ BORN-VON KARMAN MODEL/ PHONON DISPERSION/ PHONON SPECTRA/ GREY TIN

2. 70 TITANIUM TI

65-MO-03 MOZER, OTNES+ NI/ V/ TI/ TI-ZR ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION
66-NO-03 NORTH, ENDERBY+ PB/ TI ..STRUCTURE FACTOR
70-SH-06 SHARAN, BAJPAI Y/ TI ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ DEBYE TEMPERATURE
72-BA-01 BAJPAI MG/ ZR/ Y/ TI/ TL/ HF ..THEORY/ PHONON DISPERSION/ FOURTH NEIGHBOURS MODEL/ HEXAGONAL LATTICE
72-KU-04 KUSHWAHA, KUMAR TI/ HF/ Y ..THEORY/ PHONON DISPERSION/ H.C.P. TRANSITION METAL

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73-RA-02  RAO, MENON      TI ..THEORY/ PHONON DISPERSION/ SOE CONSTANT/ THERMAL EXPANSION/ KEATING-S APPORCH

2. 71  TUNGSTEN                                  *

64-CH-01  CHEN, BROCKHOUSE      W ..EXPERIMENT/ SOLID/ DISPERSION RELATION
65-PA-01  PAL, SHARMA      W ..THEORY/ PHONON DISPERSION
65-WO-01  WOODS           NB/ TA/ MO/ W ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
66-MA-02  MAHESH, DAYAL      FE/ MO/ W ..THEORY/ PHONON DISPERSION AND FREQUENCY DISTRIBUTION
66-RO-01  ROSENSTOCK, BLANKEN      NA/ NB/ MO/ TA/ W/ CU-ZN/ SN ..THEORY/ DISPERSION RELATION ..FORCE CONSTANTS FOR BORN-
67-GI-02  GILAT           CR/ FE/ W/ THEORY-OF-SOLIDS ..THEORY/ PHONON SPECTRA/ BCC METALS
70-AL-01  ALEXANDROV, KOESTER+      W ..EXPERIMENT/ SCATTERING AMPLITUDE/ SMALL ANGLE SCATTERING
70-AL-02  ALEXANDROV, BALAGUROV+      W ..EXPERIMENT/ DEBYE-WALLER FACTOR
72-BA-05  BAJPAI, NEELAKANDAN      FE/ NB/ TA/ W ..THEORY/ PHONON DISPERSION/ BCC METAL/ MODIFIED AXIALLYSYMMETRIC MODEL
72-BE-01  BEHARI, TRIPATHI      FE/ MO/ W ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRA
75-UP-03  UPADHYAYA, SHARMA+      FE/ W/ MO/ V/ NB/ TA ..LATTICE DYNAMICS/ DISPERSION RELATION/ TRANSITION METAL/ THEORY/
76-BR-01  BRESCANSIN, PADIAL+      FE/ MO/ W/ NB/ TA/ CR ..THEORY/ PHONON DISPERSION/ TRANSITION METAL/ MODEL CALCULATION
76-GO-04  GOHEL, JANI      NA/ CU/ W ..DISPERSION RELATIONS/ CUBIC METAL/ THEORY
76-JA-06  JANI, GOHEL      W ..THEORY/ PHONON DISPERSION
76-LA-02  LAROSE, BROCKHOUSE      TUNGSTEN ..EXPERIMENT/ PHONON DISPERSION/ 22C
76-SI-03  SINGH, KHAROO+      FE/ CR/ W ..THEORY/ PHONON DISPERSION/ MODEL CALCULATION

2. 72  URANIUM                                   U

66-BE-03  BESHAI          U/ U.O2/ TH.O2 ..EXPERIMENT/ TOTAL CROSS SECTION/ TOF
66-SI-01  SIMPSON, MOORE+      U ..EXPERIMENT/ SIGMA(E) ..0.01EV-10000EV

2. 73  VANADIUM                                  V

51-EG-01  EGELSTAFF       H/ BE/ V/ SE/ MO/ FE ..SOLID/ EXPERIMENT/ TRANSMISSION
51-MC-01  MCREYNOLDS, WEISS      V ..EXPERIMENT/ TOTAL CROSS SECTION ..TOTAL REFLECTION FROM MIRROR SURFACE OF V
58-EI-01  EISENHAUER, PELAH+      V ..EXPERIMENT/ FREQUENCY DISTRIBUTION
58-ST-01  STEWART, BROCKHOUSE      V/ MN-CO ..EXPERIMENT/ FREQUENCY DISTRIBUTION
61-TU-01  TURBERFIELD, EGELSTAFF      V ..EXPERIMENT/ SOLID/ FREQUENCY SPECTRUM
62-TU-02  TURBERFIELD, EGELSTAFF      V ..EXPERIMENT
63-HA-01  HAAS, KLEY+      V ..SCATTERING LAW/ FREQUENCY DISTRIBUTION
63-PE-01  PELAH, HAAS+      V ..FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS
63-ZE-01  ZEMLYANOV, KAGAN+      V ..DISPERSION RELATION/ FREQUENCY SPECTRUM
65-BL-01  BLECH, AVERBACH      V/ CU ..THEORY/ MULTIPLE SCATTERING
65-GL-01  GLAESER, CARVALLO+      V ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION/ TOF/ ROTATING CRYSTAL SPECTROMETER ..ROO
65-MO-03  MOZER, OTNES+      NI/ V/ TI/ TI-ZR ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION
65-RU-01  RUBIN, PERETTI+      V/ V-H ..EXPERIMENT/ SOLID/ ..ROOM TEMP. FOR V/ 150 DC FOR V-H/ LOCALIZED MODE IN V DUE TO
65-SL-01  SLATER          V/ SI/ CU/ NEUTRON-SCATTERING-IN-SOLIDS ..HARMONIC APPROXIMATION/ DEBYE APPROXIMATION
65-VE-01  VENKATARAMAN, DENIZ+      V/ N.H4.CL/ N.H4.BR/ N.H4.I/ (N.H4)2.SN.CL6/ (N.H4)2.SN.BR6 ..EXPERIMENT/ ELASTIC SCA
67-PA-02  PAGE            V ..EXPERIMENT/ SCATTERING LAW/ FREQUENCY SPECTRUM
67-RO-02  ROY, THAPER+      V ..LATTICE DYNAMICS/ EXPERIMENT
68-MO-01  MOZER           V ..EXPERIMENT/ LATTICE DYNAMICS ..ALLOYS/ RESONANT, LOCALIZED MODES
68-ZE-01  ZEMLIYANOV, MIRONOV+      V ..EXPERIMENT/ LATTICE DYNAMICS ..ALLOY/ LOCAL MODE
69-BL-01  BLAESSER, PERETTI+      NEUTRON-SCATTERING-IN-SOLIDS/ V ..THEORY/ HYDROGEN/ INTERSTITIAL ..NUMERICALS
70-CO-01  COLELLA, BATTERMAN      V ..EXPERIMENT/ X-RAY THERMAL DIFFUSE SCATTERING/ LATTICE DYNAMICS/ DISPERSION CURVES/
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70-KE-03 KEATING V ..EXPERIMENT/ PHONON FREQUENCY DISTRIBUTION
75-UP-03 UPADHYAYA, SHARMA+ FE/ W/ MO/ V/ NB/ TA ..LATTICE DYNAMICS/ DISPERSION RELATION/ TRANSITION METAL/ THEORY/
76-MO-02 MOON, KOEHLER+ REVIEW-ARTICLES/ CR/ V/ SC/ PD/ TI/ Y/ NB/ ..MAGNETIC FORM FACTOR
76-OL-01 OLI, ANIMALU THEORY-OF-SOLIDS/ V ..THEORY/ PHONON DISPERSION
77-PA-02 PARIKH, HAY V/ NB/ TA/ CR/ MO/ W/ FE ..THEORY/ PHONON DISPERSION/ ELASTIC CONSTANTS

2. 74 XENON XE

70-GL-01 GLYDE NE/ AR/ KR/ XE ..THEORY/ ANHARMONICITY
70-LE-02 LEECH, REISSLAND NE/ AR/ KR/ XE ..THEORY/ LATTICE DYNAMICS/ ANHARMONICITY ..THERMODYNAMICAL PROPERTIES
70-LE-03 LEECH, REISSLAND NE/ AR/ KR/ XE ..THEORY/ ANHARMONICITY ..SPECIFIC HEAT/ DEBYE TEMPERATURE/ THERMAL EXPANS
71-GU-02 GUPTA, GUPTA AR/ KR/ XE ..THEORY/ PHONON DISPERSION AND SPECTRA/ ANHARMONIC POTENTIAL
71-HU-01 HUELLER THEORY-OF-SOLIDS/ ARGON/ KRYPTON/ XENON ..CAUCHY-RELATION
72-JO-01 JOGI, TRIPATHI+ XE ..THEORY/ PHONON DISPERSION AND SPECTRA/ ELASTIC FORCE MODEL
73-PA-04 PALMER, SAUNDERSON+ XE ..DISPERSION CURVE ..(111)-DIRECTION
74-KA-02 KANNEY, HORTON XE ..DISPERSION-CURVES ..THEORY/ MIE-LENNARD-JONES-POTENTIAL
74-LU-01 LUKIE, SHIRANE+ XE ..EXPERIMENT/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ BORN-VON KMODEL ..SPECIFIC H
75-GA-01 GARG, GUPTA NE/ AR/ KR/ XE ..LATTICE DYNAMICS/ ANHARMONICITY/ CENTRAL FORCE MODEL/ DISPERSION RELATION
75-GU-01 GUPTA, GARG XE ..THEORY/ PHONON DISPERSION/ QUASIHARMONIC CENTRAL FORCE RIGID-ATOM MODEL
75-GU-02 GUPTA, GARG NE/ KR/ XE/ AR ..THEORY/ DISPERSION RELATION/ SOLID/ ANHARMONICITY
76-BO-02 BOHRA, GUPTA THEORY-OF-SOLIDS/ AR/ KR/ XE ..THEORY/ SOLID/ LATTICE DYNAMICS ..KIHARA POTENTIAL/ PHONON GRE
76-WA-04 WASEDA, SUZUKI NE/ AR/ KR/ XE ..LIQUID/ PAIR POTENTIAL/ BORN-GREEN EQUATION

2. 75 YTTRIUM Y

70-CZ-01 CZACHOR MG/ CO/ Y ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ BORN-VON KARMAN MODEL ..AXIAL
70-CZ-02 CZACHOR, RAJCA MG/ CO/ Y ..CALCULATION/ HEXAGONAL METAL/ FREQUENCY SPECTRA
70-LA-02 LAKTEENKORVA MG/ Y/ HO ..DISPERSION RELATION/ HARMONIC APPROXIMATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..EL
70-SH-06 SHARAN, BAJPAI Y/ TI ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ DEBYE TEMPERATURE
70-SI-07 SINHA, BRUN+ Y ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..MODIFIED AXIALLY SYMMETRIC MODEL FITT
70-SI-08 SINHA, BRUN+ Y ..EXPERIMENT/ LATTICE DYNAMICS/ AS-MODEL FITTING/ FREQUENCY SPECTRA/ SPECIFIC HEAT
72-BA-01 BAJPAI MG/ ZR/ Y/ TI/ TL/ HF ..THEORY/ PHONON DISPERSION/ FOURTH NEIGHBOURS MODEL/ HEXAGONAL LATTICE
72-KU-04 KUSHWAHA, KUMAR TI/ HF/ Y ..THEORY/ PHONON DISPERSION/ H.C.P. TRANSITION METAL
72-ME-05 MENON, RAO HO/ Y ..THEORY/ PHONON DISPERSION/ HEXAGONAL METAL
72-SM-02 SMITH, WAKABAYASHI+ NB.C/ ZR.C/ TC/ ZR/ Y ..EXPERIMENT/ SUPERCONDUCTIVITY/ ELECTRON-PHONON INTERACTION
73-UP-01 UPADHYAYA, VERMA Y/ TB ..THEORY/ PHONON DISPERSION/ SHARMA-JOSHI MODEL
73-VE-01 VERMA, UPADHYAYA Y ..THEORY/ LATTICE DYNAMICS/ SOLID ..ELASTIC CONSTANT/ ELECTRON-ION INTERACTION/ PHONON
74-SI-04 SINHA, UPADHYAYA YTTRIUM ..DISPERSION-CURVES/ CALCULATION
75-SI-07 SINGH, PRAKASH SC/ Y ..CALCULATION/ PHONON DISPERSION/ HCP METAL
75-SI-12 SINHA, UPADHYAYA SC/ Y/ ZR ..THEORY/ PHONON DISPERSION/ KREB MODEL
75-UP-01 UPADHYAYA, SINHA BE/ MG/ Y/ HO ..THEORY/ EXPERIMENT/ DISPERSION RELATION ..BHATIA MODEL
77-SI-02 SINGH, PRAKASH SC/ Y ..THEORY/ PHONON DISPERSION/ H.C.P. METAL

2. 76 ZINC ZN

63-BA-03 BARGONOVI, CAGLIOTI+ ZN ..EXPERIMENT/ SOLID/ DISPERSION RELATION
63-MA-02 MALISZEWSKI, SOSNOWSKI+ ZN/ CU/ MG ..EXPERIMENT
64-YO-02 YOUNG, KOPPEL BE/ MG/ ZN ..THEORY/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS ..ROOT SAMPLING METHOD
65-DE-03 DE-WAMES, WOLFRAM+ BE/ ZN ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION

65-HO-02 HOLAS ZN ..LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION
65-MA-02 MALISZEWSKI, ROSULAWSKI+ ZN ..EXPERIMENT/ SOLID/ DISPERSION RELATION
66-EG-01 EGELSTAFF, DUFFILL+ PB/ SN/ BI/ ZN/ AL ..EXPERIMENT/ LIQUID/ STRUCTURE FACTOR
66-GU-02 GUPTA, DAYAL ZN ..THEORY/ PHONON DISPERSION/ SIXTH-NEIGHBOUR MODEL
66-GU-04 GUPTA, DAYAL ZN ..THEORY/ PHONON DISPERSION/ A TENSOR FORCE MODEL INCLUDING UP TO SIXTH-NEIGHBOUR INTERALT
67-CA-01 CAGLIOTI, CORCHIA+ ZINC ..EXPERIMENT/ LIQUID/ RADIAL DISTRIBUTION
68-BR-01 BROVMAN, KAGAN+ BE/ MG/ ZN ..THEORY/ LATTICE DYNAMICS
68-CA-01 CAGLIOTI, RIZZI+ ZN ..EXPERIMENT/ LATTICE DYNAMICS/ ANHARMONIC CONTRIBUTION
68-CZ-01 CZACHOR MG/ ZN/ BE ..THEORY/ PHONON DISPERSION
68-DA-04 DASANNACHARYA, NAVARRO+ ZN ..EXPERIMENT/ LIQUID/ RADIAL DISTRIBUTION
68-IY-02 IYENGAR, VENKATARAMAN+ ZN ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..KOHN EFFECT
68-NO-01 NORTH, ENDERBY+ ZN/ TL/ PB/ SN/ BI ..EXPERIMENT/ LIQUID/ STATISTICAL MECHANICS ..LIQUID METAL/ 340DC-1100D
69-CA-01 CAGLIOTI, CORCHIA+ ZINC ..EXPERIMENT/ LIQUID/ RADIAL DISTRIBUTION/ PAIR POTENTIAL
69-GI-02 GILAT, RIZZI+ BE/ MG/ ZN ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ..METAL/ MODEL POTENTIAL CALCULATION
69-MC-01 MCDONALD, ELCOMBE+ ZINC ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ CONST.-Q METHOD
69-ME-02 METZBOWER BE/ MG/ ZN ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..NONCENTRAL-FORCE/ FIVE FORC
69-MI-01 MILLINGTON, SQUIRES ZN ..DISPERSION RELATION
70-CA-01 CAGLIOTI, RIZZI+ ZN ..EXPERIMENT/ LATTICE VIBRATION ..TEMPERATURE DEPENDENCE/ 80-670DK
70-CA-02 CAGLIOTI, RIZZI ZN ..EXPERIMENT/ TEMPERATURE DEPENDENCE OF PHONON
70-PR-01 PRAKASH, JOSHI BE/ MG/ ZN ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..SINGLE-ORTHOGONALIZED-PLANE-WA
71-AL-01 ALMQVIST, STEDMAN ZN ..EXPERIMENT/ PHONON DISPERSION/ 80 K
71-BE-03 BEZDEK, FINEGOLD ZN/ BE ..THEORY/ LATTICE DYNAMICS
71-KU-03 KUSHWAHA, RAJPUT ZN ..THEORY/ PHONON DISPERSION/ HEXAGONAL METAL
71-SR-01 SRINIVASAN, RAO MG/ ZN/ BE ..THEORY/ PHONON DISPERSION/ ELASTIC CONSTANT/ ANHARMONICS
71-TR-05 TROTT, HEALD BE/ MG/ ZN ..THEORY/ PHONON DISPERSION AND SPECTRA/ HEXAGONAL LATTICE
72-BA-03 BAJPAI ZN ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..PSEUDOPOTENTIAL
72-FR-01 FRANCHETTI AR/ ZN ..THEORY/ RADIAL DENSITY FUNCTION
72-RA-04 RAJPUT, KUSHWAHA ZN ..THEORY/ PHONON DISPERSION
73-BO-04 BOSE, TRIPATHI+ BE/ MG/ ZN ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRUM/ SPECIFIC HEAT/ CENTRAL AND NON
73-KU-03 KUSHWAHA ZN ..THEORY/ PHONON DISPERSION/ AXIALLY SYMMETRIC MODEL/ ION-ELECTRON INTERACTION
74-CH-03 CHESSER, AXE ZN ..THEORY/ EXPERIMENT/ BORN-VON KARMAN MODEL/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION/
74-FU-03 FUNKE, KALUS+ ZN ..THEORY/ BORN-VON KARMAN MODEL/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ EXPERIMENT/
75-MA-05 MAURYA, SRIVASTAVA BE/ MG/ ZN ..THEORY/ PHONON DISPERSION/ HCP METAL/ TOYA THEORY
76-ER-01 EREMEEV, SADIKOV+ MG/ ZN/ CD ..EXPERIMENT/ SEPARATED ISOTOP CD-110,CD-111/ PHONON SPECTRA
76-SC-04 SCHULZ, HUEFNER ZN ..EXPERIMENT/ RAMAN SCATTERING/ TO OPTICAL PHONON
77-SI-01 SINGH, SINGH+ ZN/ ZR/ TL/ TB/ HO ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL APPROACH
77-SI-04 SINHA, UPADHYAYA ZN/ CD ..THEORY/ PHONON DISPERSION

2. 77 ZIRCONIUM ZR

70-BE-06 BEZDEK, SCHMUNK+ ZR ..EXPERIMENT/ PHONON DISPERSION/ MODEL FITTING/ PHONON DENSITY
70-SH-05 SHARAN, BAJPAI ZR/ HF ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ DEBYE TEMPERATURE
72-BA-01 BAJPAI MG/ ZR/ Y/ TI/ TL/ HF ..THEORY/ PHONON DISPERSION/ FOURTH NEIGHBOURS MODEL/ HEXAGONAL LATTICE
72-SM-02 SMITH, WAKABAYASHI+ NB.C/ ZR.C/ TC/ ZR/ Y ..EXPERIMENT/ SUPERCONDUCTIVITY/ ELECTRON-PHONON INTERACTION
75-CA-06 CAVALHEIRO, SHUKLA SC/ TB/ HO/ TL/ ZR ..THEORY/ PHONON DISPERSION/ DE-LAUNAY MODEL
75-SI-12 SINHA, UPADHYAYA SC/ Y/ ZR ..THEORY/ PHONON DISPERSION/ KREB MODEL
77-SI-01 SINGH, SINGH+ ZN/ ZR/ TL/ TB/ HO ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL APPROACH

3 ALLOYS

3. 1 ALUMINIUM-GOLD AL-AU

76-PA-03 PAPASTAIKOUDIS, ROCOFYLLOU AL-AU ..EXPERIMENT/ ELECTRICAL RESISTIVITY/ PHONON RESISTIVITY/ MATTHIESSENRULE

3. 2 ALUMINIUM-MAGNESIUM-ZINC AL-MG-ZN

76-AL-04 ALLEN, EPPERSON+ AL-ZN/ AL-MG-ZN/ AL-SI ..NEUTRON SMALL ANGLE SCATTERING

3. 3 ALUMINIUM-SILICON AL-SI

76-AL-04 ALLEN, EPPERSON+ AL-ZN/ AL-MG-ZN/ AL-SI ..NEUTRON SMALL ANGLE SCATTERING

3. 4 ALUMINIUM-THORIUM HYDRIDE AL-TH-H

61-BE-02 BERGSMA, GOEDKOOP PD-H/ AL-TH-H/ CA-H ..EXPERIMENT/ FREQUENCY DISTRIBUTION

3. 5 ALUMINIUM-ZINC AL-ZN

76-AL-04 ALLEN, EPPERSON+ AL-ZN/ AL-MG-ZN/ AL-SI ..NEUTRON SMALL ANGLE SCATTERING
77-SC-05 SCHWAHN AL-ZN ..EXPERIMENT/ SMALL ANGLE SCATTERING

3. 6 ANTIMONY-ZINC SB-ZN

76-II-01 IIDA, HONMA+ SB-ZN ..NEUTRON DIFFRACTION/ LIQUID STRUCTURE

3. 7 BARIUM HYDRIDE BA-H

70-MA-02 MAELAND YB-H/ CA-H/ SR-H/ BA-H ..EXPERIMENT/ FREQUENCY SPECTRUM

3. 8 BARIUM-LITHIUM HYDRIDE BA-LI-H

69-MA-01 MAELAND BA-LI-H/ SR-LI-H ..EXPERIMENT/ SPECTRAL DENSITY ..PEROVSKITE STRUCTURE/ BA-LI-H3/ SR-LI-H3

3. 9 BISMUTH-GALLIUM BI-GA

68-WI-02 WIGNALL, EGELSTAFF BI-GA/ BI-ZN ..CRITICAL PHENOMENA/ BINARY LIQUID METAL
70-EG-02 EGELSTAFF, WIGNALL BI-GA ..CRITICAL PHENOMENA/ BINARY LIQUID METAL
70-EG-03 EGELSTAFF, WIGNALL BI-GA ..EXPERIMENT/ CRITICAL SCATTERING

3. 10 BISMUTH-LEAD BI-PB

68-NG-01 NG, BROCKHOUSE PB-TL/ BI-TL/ BI-PB/ BI-PB-TL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..100DK/
69-SC-03 SCHUMACHER BI-PB ..EXPERIMENT

3. 11 BISMUTH-LEAD-THALLIUM BI-PB-TL

67-NG-01 NG, BROCKHOUSE BI-PB-TL ..EXPERIMENT/ PHONON/ ALLOYS
67-NG-02 NG, BROCKHOUSE BI-PB-TL/ ..PHONON DISPERSION/ ALLOY SYSTEM
68-NG-01 NG, BROCKHOUSE PB-TL/ BI-TL/ BI-PB/ BI-PB-TL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..100DK/

3. 12 BISMUTH-THALLIUM BI-TL

68-NG-01 NG, BROCKHOUSE PB-TL/ BI-TL/ BI-PB/ BI-PB-TL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..100DK/

3. 13 BISMUTH-ZINC BI-ZN

67-EG-03 EGELSTAFF, WIGNALL BI-ZN ..EXPERIMENT/ LIQUID ..QUASI-ELASTIC SCATTERING/ CONCENTRATION FLUCTUATION
68-WI-02 WIGNALL, EGELSTAFF BI-GA/ BI-ZN ..CRITICAL PHENOMENA/ BINARY LIQUID METAL
76-HO-01 HONMA, OKAZAKI+ BI-ZN ..EXPERIMENT/ NEUTRON DIFFRACTION/ LIQUID/ 607-750C/ ZN0.70-BI0.30

3. 14 CALCIUM HYDRIDE CA-H

61-BE-02 BERGSMA, GOEDKOOP PD-H/ AL-TH-H/ CA-H ..EXPERIMENT/ FREQUENCY DISTRIBUTION
70-MA-02 MAELAND YB-H/ CA-H/ SR-H/ BA-H ..EXPERIMENT/ FREQUENCY SPECTRUM

3. 15 CERIUM HYDRIDE CE-H

67-KA-02 KARIMOV, BROVMAN+ TH-H/ U-H/ CE-H ..LATTICE DYNAMICS/ THEORY
67-KA-03 KARIMOV, ZEMLYANOV+ CE-H/ TH-H/ U-H ..EXPERIMENT/ PHONON SPECTRA
68-KA-03 KARIMOV, BROVMAN+ CE-H/ TH-H/ U-H ..LATTICE DYNAMICS/ EXPERIMENT/ FREQUENCY DISTRIBUTION ..TOF/ 20DC
74-VO-01 VORDERWISH, HAUTECLER CERIUM HYDRIDE ..CE-H1.98
74-VO-02 VORDERWISCH, HAUTECLER CE-H ..EXPERIMENT/ PHONON SPECTRA
77-GL-03 GLINKA, PROWE+ CE-H ..PHONON DISPERSION RELATION/ COHERENT NEUTRON SCATTERING

3. 16 CERIUM-THORIUM CE-TH

76-ED-01 EDELSTEIN, MAJEWSKI+ CE.AL3/ CE-TH ..EXPERIMENT/ QUASIELASTIC

3. 17 CESIUM HYDRIDE CS-H

74-VO-03 VORDERWISH, HAUTECLER+ CESIUM HYDRIDE ..DENSITY-OF-STATES/ SPECIFIC-HEAT

3. 18 CHROMIUM-ALUMINIUM CR-AL

76-MI-01 MIKKE, JANKOWSKA NI-FE/ CO-NI/ NI-V/ NI-CR/ CR-AL ..EXPERIMENT/ SPIN WAVE

3. 19 CHROMIUM-IRON CR-FE

73-MI-02 MIKKE, JANKOWSKA CR-FE ..EXPERIMENT/ PHONON DISPERSION/ ALLOY

3. 20 CHROMIUM-TUNGSTEN CR-W

65-MO-02 MOELLER, MACKINTOSH CR-W ..DESPERSION RELATION/ EXPERIMENT/ LATTICE DYNAMICS ..DISORDERED ALLOY
70-CU-01 CUNNINGHAM, MUHLESTEIN+ CR-W ..EXPERIMENT/ IN-BAND PHONON/ MASS EFFECT
72-CO-01 COHEN, GILAT CR-W ..THEORY/ PHONON/ ALLOY/ IMPURITY EFFECT/ FORCE-CONSTAT CHANGE
72-KE-02 KESHARWANI, AGRAWAL CR-W ..THEORY/ DILUTE ALLOY/ PHONON DISPERSION AND WIDTHS/ MASS AND FORCE CONSTANT CHA
72-KE-03 KESHARWANI, AGRAWAL CR-W ..EXPERIMENT/ PHONON/ ALLOY/ IMPURITY EFFECT

3. 21 COBALT-GALLIUM CO-GA

77-CY-01 CYWINSKI, BOOTH+ CO-GA ..SMALL-ANGLE SCATT./ SUPERPARAMAGNETIC BEHAVIOUR

3. 22 COBALT-IRON CO-FE

77-SH-02 SHAPIRO, MOSS CO-FE ..DISPERSION CURVE/ EXPERIMENT/ FCC-HCP TRANSITION

3. 23 COBALT-NICKEL CO-NI

74-GA-01 GAMBETTI, MENZINGER+ CO-NI ..EXPERIMENT/ PHONON DISPERSION/ ALLOY/ FCC
75-ME-03 MENZINGER, SACCHETTI+ CO-NI ..DISPERSION RELATION/ CO-NI.ALLOY/ TRIPLE-AXIS SPECTROSCOPY/ EXPERIMENT
76-MI-01 MIKKE, JANKOWSKA NI-FE/ CO-NI/ NI-V/ NI-CR/ CR-AL ..EXPERIMENT/ SPIN WAVE

3. 24 COPPER-ALUMINIUM CU-AL

68-NI-01 NICKLOW, VIJAYARAGHAVAN+ CU-AL ..EXPERIMENT/ LATTICE VIBRATION ..LOCAL MODE
68-NI-02 NICKLOW, VIJAYARAGHAVAN+ CU-AL ..PHONON DISPERSION/ LOCALIZED MODE
74-KA-04 KAPLAN, MOSTOLLER CU-AL/ N.H4.CL-K.CL ..CALCULATIONS/ COHERENT-POTENTIAL APPROXIMATION/ PHONON DENSITY OF

3. 25 COPPER-ANTIMONY CU-SB

73-KN-01 KNOLL, STEEB CU-SB ..EXPERIMENT/ RADIAL DISTRIBUTION FUNCTION/ 21 ALLOYS
73-KN-02 KNOLL, STEEB CU-SB ..PARTIAL INTERFERENCE FUNCTION/ PAIR CORRELATION FUNCTION

3. 26 COPPER-BERYLLIUM CU-BE

67-NA-02 NATKANIEC, PARLINSKI+ MG-LI/ CU-BE ..EXPERIMENT/ LOCAL VIBRATION/ NEUTRON SPECTROSCORY

68-NA-03 NATKANIEC, PARLINSKI+ CU-BE/ CU-MG/ PB-NA/ PB-MG ..EXPERIMENT/ LATTICE DYNAMICS ..ALLOY/ LOCAL VIBRATION

3, 27 COPPER-COBALT CU-CO

3, 28 COPPER-GERMANIUM CU-GE

78-TO-01 TOMIMITSU, KAMADA+ CU-GE ..NEUTRON DIFFRACTION/ TOPOGRAPHY

3, 29 COPPER-GOLD CU-AU

65-SV-01 SVENSSON, BROCKHOUSE+ CU-AU ..EXPERIMENT/ DISPERSION RELATION ..3-AXIS-SPECTROMETER/ DISORDERED ALLOYS
67-SV-01 SVENSSON, BROCKHOUSE CU-AU ..LATTICE DYNAMICS/ EXPERIMENT ..CONSTANT-Q METHODS/ ROOM TEMP.
71-BR-05 BRUNO, TAYLOR CU-AU ..THEORY/ GOLD-IMPURITY EFFECT/ EFFCT OF VOLUME CHANGE ON ALLOYING
71-SV-01 SVENSSON, KAMITAKAHARA CU-AU ..EXPERIMENT/ RESONANT MODE/ SHIFT AND WIDTH OF PHONON
73-KE-04 KESHARWANI, AGRAWAL CU-AU ..THEORY/ PHONON DISPERSION/ DILUTE ALLOY/ PHONON WIDTH/ FORCE CONSTANT CHANGE
74-CO-02 COHEN CU-AU ..THEORY/ FREQUENCY DISTRIBUTION ..COHERENT NEUTRON SCATTERING/ PHONON SELF-ENERGY AND SH
74-HA-02 HALLMAN CU-AU ..EXPERIMENT/ SOLID/ DISPERSION RELATION/ LATTICE DYNAMICS/ BORN-VON KARMAN MODEL ..ALLOY
75-OH-01 OHASHI, OHASHI+ THEORY-OF-SOLIDS/ CU-AU ..DILUTE ALLOY/ PHONON SHIFT AND WIDTH

3, 30 COPPER-IRON CU-FE

76-LO-01 LOEWENHAUPT, SCHEUER+ CU-FE/ AU-FE ..EXPERIMENT/ MAGNETIC DIFFUSE SCATTERING

3, 31 COPPER-MAGNESIUM CU-MG

68-NA-03 NATKANIEC, PARLINSKI+ CU-BE/ CU-MG/ PB-NA/ PB-MG ..EXPERIMENT/ LATTICE DYNAMICS ..ALLOY/ LOCAL VIBRATION

3, 32 COPPER-MANGANESE-ALUMINIUM CU-MN-AL

76-RA-04 RAKHECHA, CHAKRAVARTHY+ CU-MN-AL ..POLARIZED NEUTRON DIFFRACTION/ MAGNETIC STRUCTURE FACTOR

3, 33 COPPER-NICKEL CU-NI

68-SA-01 SAKAMOTO, HAMAGUCHI CU-NI ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..ALLOYS
69-MO-04 MOZER, PRICE+ CU-NI ..LIQUID/ SOLID/ EXPERIMENT/ ..NEAR THE MELT
76-ME-05 MENZINGER, SACCHETTI CU-NI ..NEUTRON DIFFRACTION/ SPIN DENSITY
76-VR-01 VRIJEN, VAN-DIJK+ CU-NI ..NEUTRON DIFFUSE SCATTERING/ CLUSTERING IN CU-NI ALLOY

3, 34 COPPER-ZINC CU-ZN

64-DO-01 DOLLING, GILAT CU-ZN ..EXPERIMENT/ DISPERSION RELATION
65-DO-02 DOLLING, GILAT CU-ZN ..EXPERIMENT/ DISPERSION RELATION ..296DK/ PHASE TRANSITION
65-GI-02 GILAT, DOLLING CU-ZN ..EXPERIMENT/ DISPERSION RELATION/ LATTICE VIBRATION ..296DK/ ALLOYS

67-AL-04 ALS-NIELSEN, DIETRICH CU-ZN ,,CRITICAL SCATTERING/ ALLOY
69-AL-02 ALS-NIELSEN CU-ZN ,,NEUTRON DIFFRACTION/SHORT RANGE ORDER PARAMETER
69-HA-01 HALLMAN, BROCKHOUSE NI-FE/ CU-ZN ,,DISPERSION RELATION/ CONSTANT-Q METHOD/ FREQUENCY DISTRIBUTION ,,FCC AL
70-GI-01 GILAT CU-ZN ,,THEORY/ FLAT PHONON/ ORDER DISORDER TRANSITION
74-RA-09 RATHMANN, ALS-NIELSEN CU-ZN ,,LONG-RANGE ORDER/ NEUTRON DIFFRACTION

3, 35 ERBIUM-YTTRIUM-ALUMINIUM ER-Y-AL

3, 36 FE-NI-P-O-AL FE-NI-P-O-AL

76-LY-01 LYNN, SHIRANE+ FE-NI-P-O-AL ,,EXPERIMENT/ MAGNETIC SCATTERING/ MAGNON DISPERSION/ METALIC GLASS

3, 37 FE-NI-P-B-AL FE-NI-P-B-AL

3, 38 GERMANIUM-SILICON GE-SI

71-WA-02 WAKABAYASHI, NICKLOW+ GE-SI ,,EXPERIMENT/ LOCAL MODE/ IMPURITY EFFECT
71-WA-03 WAKABAYASHI, NICKLOW+ GE-SI ,,EXPERIMENT/ IMPURITY EFFECT/ LOCAL MODE/ MASS DEFECT
73-SR-01 SRIVASTAVA, JOSHI GE-SI ,,SPECTRAL DENSITY FUNCTION/ RAMAN SPECTRA/ THEORY

3, 39 GOLD-COPPER-ZINC AU-CU-ZN

3, 40 GOLD-IRON AU-FE

76-LO-01 LOEWENHAUPT, SCHEUER+ CU-FE/ AU-FE ,,EXPERIMENT/ MAGNETIC DIFFUSE SCATTERING
76-MU-01 MURANI, ROTH+ AU-FE ,,SMALL ANGLE SCATT./ CRITICAL SCATT./ MAGNETIC SCATT.
76-MU-02 MURANI AU-FE ,,SMALL ANGLE SCATTERING/ MAGNETIC CLUSTER

3, 41 GOLD-VANADIUM AU-V

67-BR-04 BROWN, ZIEBECK AU-V ,,POLARIZED NEUTRON DIFFRACTION

3, 42 HOLMIUM-RHODIUM HO-RH

3, 43 INDIUM-CADMIUM IN-CD

76-MA-01 MADHAVA, SAUNDERS IN-CD/ IN-TL ,,EXPERIMENT/ ELASTIC CONSTANT/ ACOUSTIC PHONON MODE

3. 44 INDIUM-THALLIUM IN-TL

73-GU-01 GUNTON, SAUNDERS IN/ IN-TL ..THEORY/ PHONON DISPERSION/ MARTENSITIC PHASE CHANGE
76-MA-01 MADHAVA, SAUNDERS IN-CD/ IN-TL ..EXPERIMENT/ ELASTIC CONSTANT/ ACOUSTIC PHONON MODE

3. 45 IRON-ALUMINIUM FE-AL

67-BO-02 BORGONOVI, LOGIUDICE+ FE-AL ..PHONON DISPERSION/ FE3.AL
68-VA-02 VAN-DIJK, BERGSMA FE/ FE-AL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
70-VA-02 VAN-DIJK FE-AL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES ..BORN VON-KARMAN FIT/ 3RD NEIGHBOURS/
70-VA-03 VAN-DIJK FE/ FE-AL ..EXPERIMENT/ LATTICE DYNAMICS/ PHONON DISPERSION
77-CA-02 CABLE, DAVID+ FE-AL ..EXPERIMENT/ MAGNETIC DIFFUSE SCATTERING

3. 46 IRON-MANGANESE FE-MN

76-ME-07 MEZEI FE-MN ..POLARIZED NEUTRON/ DIFFUSE SCATTERING
76-TA-01 TAJIMA, ISHIKANA+ FE-MN ..EXPERIMENT/ MAGNON DISPERSION

3. 47 IRON-NICKEL FE-NI

75-KO-01 KOMURA, LIPMANN+ FE-NI ..EXPERIMENT/ SMALL ANGLE SCATT.

3. 48 IRON-MANGANESE-NICKEL FE-MN-NI

75-FE-01 FELDMANN, HENNIG+ FE-MN-NI ..EXPERIMENT/ BE IMPURITY/ LOCAL MODE/ MAGNON MODE

3. 49 IRON-NICKEL-CHROMIUM FE-NI-CR

3. 50 IRON-VANADIUM FE-V

77-RA-02 RADHAKRISHNA, BROWN+ FE-V ..POLARISED NEUTRON DIFFRACTION

3. 51 LANTHANUM HYDRIDE LA-H

71-MA-01 MAELAND, HOLMES LANTHANUM HYDRIDE ..EXPERIMENT/ FREQUENCY SPECTRA
71-MA-02 MAELAND, HOLMES LA-H ..INELASTIC SCATTERING SPECTRA

3. 52 LEAD-MAGNESIUM PB-MG

65-CH-03 CHERNOPLEKOV, ZEMLYANOV PB-MG ..EXPERIMENT/ IN-BAND MODE/ FREQUENCY SPECTRUM
68-NA-03 NATKANIEC, PARLINSKI+ CU-BE/ CU-MG/ PB-NA/ PB-MG ..EXPERIMENT/ LATTICE DYNAMICS ..ALLOY/ LOCAL VIBRATION

3. 53 LEAD-SODIUM PB-NA

68-NA-03 NATKANIEC, PARLINSKI+ CU-BE/ CU-MG/ PB-NA/ PB-MG ..EXPERIMENT/ LATTICE DYNAMICS ..ALLOY/ LOCAL VIBRATION

3. 54 LEAD-THALLIUM PB-TL

68-NG-01 NG, BROCKHOUSE PB-TL/ BI-TL/ BI-PB/ BI-PB-TL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..100DK/
69-RO-01 ROWELL, MCMILLAN+ PB/ PB-TL ..EXPERIMENT/ SPECTRAL DENSITY ..TUNNELING EXPERIMENT
70-RO-03 ROY, BROCKHOUSE PB/ PB-TL ..EXPERIMENT/ FREQUENCY SPECTRA/ POLYCRYSTALLINE SAMPLES/ TRIPLE AXIS SPECTROMET

3. 55 LITHIUM-ALUMINIUM HYDRIDE LI-AL-H

73-TE-02 TEMME, WADDINGTON LI-AL-H/ NA-AL-H ..EXPERIMENT/ PHONON SPECTRA/ LI-AL-H4/ NA-AL-H4

3. 56 LITHIUM-LEAD LI-PB

73-RU-01 RUPPERSBERG LI-PB ..EXPERIMENT/ LIQUID/ CORRELATION FUNCTION

3. 57 MAGNESIUM HYDRIDE MG-H

58-MC-01 MCREYNOLS, NELKIN+ H2.O/ POLYETHYLENE/ ZR-H/ MG-H/ GRAPHITE ..EXPERIMENT/ THEORY/ LIQUID/ SOLID

3. 58 MAGNESIUM-LEAD MG-Pb

65-CH-04 CHERNOPLEKOV, ZEMLYANOV MG-PB ..EXPERIMENT/ LOCAL MODE/ PHONON SPECTRA

3. 59 MAGNESIUM-LITHIUM MG-LI

67-NA-02 NATKANIEC, PARLINSKI+ MG-LI/ CU-BE ..EXPERIMENT/ LOCAL VIBRATION/ NEUTRON SPECTROSCORY

3. 60 MAGNESIUM-ZINC MG-ZN

74-DO-01 DORNER, FELDMANN+ MG-ZN ..THEORY/ DISPERSION RELATION/ CONSTANT-Q METHOD/ MG-ZN2

3. 61 MANGANESE-COBALT MN-CO

58-ST-01 STEWART, BROCKHOUSE V/ MN-CO ..EXPERIMENT/ FREQUENCY DISTRIBUTION

3. 62 MANGANESE-COPPER MN-CU

76-DA-06 DAVIS, HICKS MN-CU/ MN-PD ..MAGNETIC DEFECT SCATTERING
77-DA-01 DAVIS MN-CU/ MN-PD ..POLARIZATION ANALYSIS/ ANTIFERRMAGNETIC DEFECTS SCATTERING

3. 63 MANGANESE-NICKEL MN-NI

76-HE-05 HENNION, HUTCHINGS+ MN-NI ..EXPERIMENT/ SUSCEPTIBILITY

3. 64 MANGANESE-PALLADIUM MN-PD

76-DA-06 DAVIS, HICKS MN-CU/ MN-PD ..MAGNETIC DEFECT SCATTERING
77-DA-01 DAVIS MN-CU/ MN-PD ..POLARIZATION ANALYSIS/ ANTIFERRMAGNETIC DEFECTS SCATTERING

3. 65 MANGANESE-PLATINUM MN-PT

72-AN-02 ANTONINI, MINKIEWICZ MN-PT ..EXPERIMENT/ DISPERSION RELATION/ MN-PT3 ..SPIN WAVE AND PHONON

3. 66 NICKEL-BERYLLIUM NI-BE

66-ZE-01 ZEMLYANOV, SOMENKOV+ NI-BE ..EXPERIMENT/ LOCAL MODE/ PHONON SPECTRA

3. 67 NICKEL-CHROMIUM NI-CR

76-MI-01 MIKKE, JANKOWSKA NI-FE/ CO-NI/ NI-V/ NI-CR/ CR-AL ..EXPERIMENT/ SPIN WAVE

3. 68 NICKEL-IRON NI-FE

69-HA-01 HALLMAN, BROCKHOUSE NI-FE/ CU-ZN ..DISPERSION RELATION/ CONSTANT-Q METHOD/ FREQUENCY DISTRIBUTION ..FCC AL
76-ME-03 MENSHIKOV, SHESTAKOV+ NI-FE ..EXPERIMENT/ MAGNETIC SCATTERING/ CRITICAL/ SMALL ANGLE
76-ME-04 MENSHIKOV, SIDOROV+ NI-FE ..SMALL ANGLE SCATTERING/ MAGNETIC INHOMOGENEITY
76-MI-01 MIKKE, JANKOWSKA NI-FE/ CO-NI/ NI-V/ NI-CR/ CR-AL ..EXPERIMENT/ SPIN WAVE
77-EN-01 ENDOH, NODA+ NI-FE ..EXPERIMENT/ PHONON DISPERSION/ MAGNETO-ELASTIC EFFECT
77-MI-01 MIKKE, JANKOWSKA+ NI-FE ..EXP./ MAGNON DISPERSION/ EFFECT OT ORDERING

3. 69 NICKEL-MANGANESE NI-MN

77-HE-01 HENNION, HENNION+ NI-MN ..EXPERIMENT/ MAGNON/ MAGNETIC SCATTERING

3. 70 NICKEL-PALLADIUM NI-PD

62-MO-01 MOZER, OTNES+ NI-PD ..EXPERIMENT/ LATTICE VIBRATION ..DEFECT MODE/ DISORDERED ALLOYS
63-MO-01 MOZER, OTONES NI/ PD/ NI-PD ..EXPERIMENT/ LATTICE DYNAMICS ..INPURITY MODE
72-KA-04 KAMITAKAHARA, BROCKHOUSE NI-PD ..EXPERIMENT/ PHONON DISPERSION/ ALLOY/ MASS EFFECT
74-KA-01 KAMITAKAHARA, BROCKHOUSE NI-PD ..EXPERIMENT/ PHONON DISPERSION/ WIDTH/ DISORDERED ALLOY/ FCC/ NI,55-PD,45

3. 71 NICKEL-PLATINUM NI-PT

73-KU-01 KUNITOMI, TSUNODA+ NI-PT ..EXPERIMENT/ PHONON DISPERSION/ EFFECT OF MASS-DEFECT

3. 72 NICKEL-RHENIUM NI-RH

77-CA-01 CABLE NI-RH ..EXPERIMENT/ MAGNETIC DIFFUSE SCATTERING/ MAGNETIC MOMENT DISTRIBUTION

3. 73 NICKEL-SILICON NI-SI

75-WA-02 WASEDA, TAMAKI NI-SI ..EXPERIMET/ LIQUID/ STRUCTURE FACTOR ..ALLOY

3. 74 NICKEL-VANADIUM NI-V

76-MI-01 MIKKE, JANKOWSKA NI-FE/ CO-NI/ NI-V/ NI-CR/ CR-AL ..EXPERIMENT/ SPIN WAVE

3. 75 NIOBIUM HYDRIDE NB-H

65-KL-01 KLEY, PERETTI+ V-H/ NB-H/ PD-H ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION ..500C FOR V-H/ 330C FOR NB-H.
67-BI-01 BISCHOFF, BRYANT+ POLYETHYLENE/ H2.O/ ZR-H/ NB-H/ U.02 ..EXPERIMENT
67-PA-04 PAN, YEATER+ ZR-H/ NB-H/ TI-H/ U.C ..EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
68-PU-01 PUROHIT, PAN+ U.C/ U.02/ ZR-H/ TI-H/ NB-H/ TH-H ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT
68-VE-02 VERDAN, RUBIN+ V-H/ NB-H ..EXPERIMENT/ LATTICE DYNAMICS ..200DC
69-CH-02 CHERNOPLEKOV, ZEMLYANOV+ V-H/ NB-H ..EXPERIMENT/ PHONON SPECTRA
70-GI-02 GISSLER, RÜTHER NB-H ..THEORY/ DIFFUSION OF HYDROGEN IN METAL HYDRIDE/ QUASIELASTIC
70-GO-03 GOSSLER, ALEFOLD+ NB-H ..IMPURITY
70-RU-01 RUBIN, CLAESSEN TB-H/ NB-H ..SOLID/ QUASI-ELASTIC PEAK
71-KI-03 KISTNER, RUBIN+ NB-H ..HYDROGEN DIFFUSION
72-AL-03 ALEFELD, BOHN+ NB-H ..EXPERIMENT/ HYDROGEN DIFFUSION/ QUASI-ELASTIC
72-BI-01 BIRCHALL, ROSS NB-H ..EXPERIMENT/ LOCAL MODE/ SINGLE CRYSTAL/ 130C-400C
72-BI-02 BIRCHALL, ROSS NB-H ..HYDROGEN MOTION
72-ST-07 STUMP, GISSLER+ NB-H ..EXPERIMENT/ HYDROGEN DIFFUSION/ SINGLE CRYSTAL
72-ST-08 STUMP, GISSLER+ NB-H ..EXPERIMENT/ QUASI-ELASTIC SCATTERING/ DIFFUSION BROADING/ 235C.256C/ NB-H0.07
73-GI-02 GISSLER, JAY+ NB-H ..EXPERIMENT/ QUASI-ELASTIC SCATTERING/ INTEGRATED INTENSITY/ ANGULAR DEPENDENCE
75-RO-04 ROWE, VAGELATOS+ NB/ NB-H ..EXPERIMENT/SOLID/ DISPERSION RELATION ..ALLOY/ TRIPLE-AXIS-SPECTROMETER
77-KU-03 KUTNER, SOSNOWSKA NB-H ..THEORY/ HYDROGEN DIFFUSION/ QUASIELASTIC SCATTERING
77-RI-01 RICHTER, ALEFELD+ NB-H ..QUASIELASTIC/ DIFFUSION/ 165 TO 300K
77-ST-02 STUMP, MAGERL+ NB-H/ (NB-MO)-H ..EXPERIMENT/ PHONON DISPERSION

3. 76 NIOBIUM-MOLYBDENUM NB-MO

65-WO-02 WOODS, POWELL NB-MO ..EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS ..DISORDERED ALLOYS
68-PO-01 POWELL, MARTEL+ NB-MO ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..ROOM TEMP./ ALLOY/ KOHN EFFECT
77-PO-01 POWELL, MARTELL+ NB/ MO/ NB-MO ..CALCULATION/ MODEL FITTING/ PHONON DENSITY/ DEBYE TEMPERATURE
77-VA-03 VARMA, WEBER THEORY-OF-SOLIDS/ NB/ NB-MO/ MO ..LATTICE DYNAMICS/ PHONON DISPERSION/ 4D BCC METAL

3. 77 (NIOBIUM-MOLYBDENUM)-HYDROGEN (NB-MO)-H

77-ST-02 STUMP, MAGERL+ NB-H/ (NB-MO)-H ..EXPERIMENT/ PHONON DISPERSION

3, 78 NIOBIUM-TANTALUM NB-TA

76-SC-05 SCMELTEN, KROEGER NB-TA ..SMALL ANGLE SCATTERING/ TRANSPORT CURRENT

3, 79 PALLADIUM HYDRIDE PD-H

61-BE-02 BERGSMA, GOEDKOOP PD-H/ AL-TH-H/ CA-H ..EXPERIMENT/ FREQUENCY DISTRIBUTION
65-KL-01 KLEY, PERETTI+ V-H/ NB-H/ PD-H ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION ..50DC FOR V-H/ 33DC FOR NB-H,
66-SK-01 SKOELD, NELIN PD-H ..EXPERIMENT/ DIFFUSION BROADNING
67-SK-03 SKOELD, NELIN PD-H ..HYDROGEN DIFFUSION
70-BE-01 BEG, ROSS PD-H ..EXPERIMENT/ QUASIELASTIC SCATTERING ..DIFFUSIVE MOTION
71-RO-05 ROWE, SKOELD+ PD-H ..EXPERIMENT/ QUESIELASTIC SCATTERING ..DIFFUSIVE MOTION
72-RO-05 ROWE, RUSH+ PD-H ..QUASIELASTIC SCATTERING/ HYDROGEN DIFFUSION
73-CH-06 CHOWDHURY, ROSS PD-H/ PD-AG-H ..EXPERIMENT/ HYDROGEN VIBRATION IN METAL
74-CA-01 CARLILE, ROSS PD-H ..EXPERIMENT/ SOLID/ SCATTERING LAW ..CHUDLEY-ELLIOT MODEL/ JUMP-DIFFUDION MODEL
74-NE-03 NELIN, SKOELD PD-H ..EXPERIMENT/ SOLID/ QUASI-ELASTIC NEUTRON SCATTERING ..FULL WIDTH AT HALF MAXIMUM
74-RO-05 ROWE, RUSH+ PD-H ..EXPERIMENT/ PHONON DISPERSION/ 78,150,220,295K/ PD,D0,63
75-NE-01 NELIN, SKOELD PD-H ..EXPERIMENT/ QUASI-ELASTIC PEAK/ MULTIPLE SCATTERING/ CRYSTAL SPECTROMETER ..PHASE TRA
76-GL-02 GLINKA, ROWE+ PD-H ..EXPERIMENT/ PHONON DISPERSION/ PHONON WIDTH
76-KL-02 KLEY, DREXEL+ PD-H ..EXPERIMENT/ HYDROGEN MOTION
76-RA-01 RAHMAN, SKOELD+ PD-H ..EXPERIMENT/ CALCULATION/ PHONON SPECTRA

3, 80 PALLADIUM-IRON PD-FE

70-MA-03 MALISZEWSKI, SOSNOWSKI+ PD-FE ..EXPERIMENT/ PHONON DISPERSION CURVE
71-MA-05 MALISZEWSKI, SOSNOWSKI+ PD-FE ..EXPERIMENT/ PHONON DISPERSION/ FORCE CONSTANT ANALYSIS
72-ST-06 STIRLING, COWLEY+ PD-FE ..LATTICE DYNAMICS/ PHONON DISPERSION/ 80 DK
75-MA-01 MALISZEWSKI, SOSNOWSKI+ PD-FE ..EXPERIMENT/ PHONON DISPERSION

3, 81 PALLADIUM-LEAD PD-PB

77-MA-03 MALISZEWSKI, BEDNARSKI+ PD-PB ..PHONON-DISPERSION-RELATION/ 296K/ EXPERIMENT

3, 82 PALLADIUM-MANGANESE PD-MN

3, 83 PALLADIUM-MANGANESE-TIN PD-MN-SN

3, 84 PALLADIUM-SILVER HYDRIDE PD-AG-H

72-CH-04 CHOWDHURY, ROSS PD-AG-H ..EXPERIMENT/ QUASIELASTIC/ DIFFUSION/ 100C-360C
73-CH-06 CHOWDHURY, ROSS PD-H/ PD-AG-H ..EXPERIMENT/ HYDROGEN VIBRATION IN METAL

3. 85 PALLADIUM-PLATINUM PD-PT

75-SA-01 SACCHETTI, SPINELLI TA-NB / PD-PT ..PHONON DISPERSION/ THEORY/ COHERENT POTENTIAL

3. 86 PLUTONIUM-IRON PU-FE

76-LA-01 LANDER, REDDY PU.P/ PU-FE ..POLARIZED NEUTRON DIFFRACTION

3. 87 RUBIDIUM-POTASSIUM RB-K

76-MO-03 MOSTOLLER, KAPLAN RB-K ..THEORY/ PHONON/ EFFECTS OF MASS AND FORCE CONSTANT DISORDER
77-MO-03 MOSTOLLER, THEODORE RB-K ..THEORY/ COHERENT-POTENTIAL-APPROXIMATION/ COHERENT INELASTIC CROSS SECTION

3. 88 SODIUM-ALUMINIUM HYDRIDE NA-AL-H

73-TE-02 TEMME, WADDINGTON LI-AL-H/ NA-AL-H ..EXPERIMENT/ PHONON SPECTRA/ LI-AL-H4/ NA-AL-H4

3. 89 SODIUM-POTASSIUM NA-K

68-EN-01 ENDERBY, NORTH THEORY-OF-FLUIDS/ NA-K ..STRUCTURE FACTOR/ ALLOY LIQUID/ PERCUS-YEVICK
77-SR-01 SRIVASTAVA NA/ K/ HG/ BI/ NA-K ..THEORY/ INTERATOMIC FORCE CONSTANTS/ KNIGHT SHIFT/ FREQUENCY SPECTRUM ..P
77-SW-01 SWAMY, KAHOL+ NA-K ..THEORY/ DYNAMICAL STRUCTRE FACTOR

3. 90 STRONTIUM HYDRIDE SR-H

70-MA-02 MAELAND YB-H/ CA-H/ SR-H/ BA-H ..EXPERIMENT/ FREQUENCY SPECTRUM

3. 91 STRONTIUM-LITHIUM HYDRIDE SR-LI-H

69-MA-01 MAELAND BA-LI-H/ SR-LI-H ..EXPERIMENT/ SPECTRAL DENSITY ..PEROVSKITE STRUCTURE/ BA-LI-H3/ SR-LI-H3

3. 92 TANTALUM HYDRIDE TA-H

72-DE-02 DE-GRAAF, RUSH+ V-H/ TA-H ..EXPERIMENT/ QUASIELASTIC/ HYDROGEN DIFFUSION IN METAL
74-RO-03 ROWE, RUSH+ TA-H ..EXPERIMENT/ QUASI-ELASTIC PEAK/ TOF
76-YA-01 YAMADA, WATANABE+ TA-H ..EXPERIMENT/ LOCALIZED PHONON/ MODE

3. 93 TANTALUM-NIOBIUM TA-NB

68-AL-02 ALS-NIELSEN TA-NB ..EXPERIMENT/ LATTICE DYNAMICS ..CRYSTAL SPECTROMETER/ LOCALIZED PHONON
75-SA-01 SACCHETTI, SPINELLI TA-NB / PD-PT ..PHONON DISPERSION/ THEORY/ COHERENT POTENTIAL

3. 94 TERBIUM HYDRIDE TB-H

70-RU-01 RUBIN, CLAESSEN TB-H/ NB-H ..SOLID/ QUASI-ELASTIC PEAK

3. 95 TERBIUM-YTTRIUM TB-Y

76-WA-03 WAKABAYASHI, NICKLOW TB-Y ..EXPERIMENT/ SPIN WAVE DISPERSION

3. 96 THORIUM HYDRIDE TH-H

67-KA-02 KARIMOV, BROVMAN+ TH-H/ U-H/ CE-H ..LATTICE DYNAMICS/ THEORY
67-KA-03 KARIMOV, ZEMLYANOV+ CE-H/ TH-H/ U-H ..EXPERIMENT/ PHONON SPECTRA
68-KA-03 KARIMOV, BROVMAN+ CE-H/ TH-H/ U-H ..LATTICE DYNAMICS/ EXPERIMENT/ FREQUENCY DISTRIBUTION ..TOF/ 20DC
76-MI-02 MILLER, SATTERTHWAITE+ TH-H ..EXPERIMENT/ PHONON STATE DENSITY

3. 97 TITANIUM HYDRIDE TI-H

63-SA-02 SAUNDERSON, COCKING TI-H ..EXPERIMENT/ SCATTERING LAW/ FREQUENCY DISTRIBUTION
66-BR-02 BROECKER N.H4.CL/ N.H4.BR/ N.H4.I/ ZR-H/ TI-H ..SIGMA(E)/ EXPERIMENT/ CRYSTAL SPECTROMETER
67-PA-04 PAN, YEATER+ ZR-H/ NB-H/ TI-H/ U.C ..EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
68-PU-01 PUROHIT, PAN+ U.C/ U.O2/ ZR-H/ TI-H/ NB-H/ TH-H ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT
76-AL-05 ALPERIN, FLOTOW+ TI-H ..NEUTRON DIFFRACTION

3. 98 TITANIUM-NICKEL TI-NI

77-LI-01 LIVET, RADHAKRISHNA TI-NI ..EXPERIMENT/ MAGNETIC DIFFUSE/ POLARIZED NEUTRON

3. 99 TITANIUM-URANIUM TI-U

67-CH-02 CHERNOPLEKOV, PANOVA+ TI-U ..EXPERIMENT/ LOCAL MODE/ TI0.95-U0.05

3.100 TITANIUM-ZIRCONIUM TI-ZR

63-CH-01 CHERNOPLEKOV, ZEMLYANOV+ TI-ZR ..FREQUENCY DISTRIBUTION/ EXPERIMENT ..ALLOY
65-MO-03 MOZER, OTNES+ NI/ V/ TI/ TI-ZR ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION

3.101 TITANIUM-ZIRCONIUM-OXYGEN TI-ZR-O

75-SU-01 SUMIN, KUKHTO+ TI-ZR-O ..ALLOY/ INECASTIC NEUTRON SPECTRA/ PHONON LEVEL

3.102 URANIUM HYDRIDE U-H

66-RU-03 RUSH, FLOTOW+ Y-H/ U-H ..EXPERIMENT/ HYDROGEN VIBRATION/ OPTICAL BAND SPECRA

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67-KA-02  KARIMOV, BROVMAN+      TH-H/ U-H/ CE-H ..LATTICE DYNAMICS/ THEORY
67-KA-03  KARIMOV, ZEMLYANOV+      CE-H/ TH-H/ U-H ..EXPERIMENT/ PHONON SPECTRA
68-KA-03  KARIMOV, BROVMAN+      CE-H/ TH-H/ U-H ..LATTICE DYNAMICS/ EXPERIMENT/ FREQUENCY DISTRIBUTION ..TOF/ 20DC
77-GM-01  GMAL, HEIDEMANN+      U-H ..EXPERIMENT ..MAGNETIC SCATTERING/ 200DK

3.103  VANADIUM-BERYLLIUM                          V-BE

66-MO-01  MOZER, OTNES+      V-BE/ V-NI/ V-PT ..EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY SPECTRA/ ALLOY

3.104  VANADIUM HYDRIDE                            V-H

65-KL-01  KLEY, PERETTI+      V-H/ NB-H/ PD-H ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION ..50DC FOR V-H/ 33DC FOR NB-H,
65-RU-01  RUBIN, PERETTI+      V/ V-H ..EXPERIMENT/ SOLID/ ..ROOM TEMP. FOR V/ 150 DC FOR V-H/ LOCALIZED MODE IN V DUE TO
68-RU-01  RUSH, FLOTOW      V-H ..FREQUENCY DISTRIBUTION/ EXPERIMENT
68-VE-02  VERDAN, RUBIN+      V-H/ NB-H ..EXPERIMENT/ LATTICE DYNAMICS ..200DC
69-CH-02  CHERNOPLEKOV, ZEMLYANOV+      V-H/ NB-H ..EXPERIMENT/ PHONON SPECTRA
72-DE-01  DE-GRAAF, RUSH+      V-H ..EXPERIMENT/ QUASIELASTIC/ DIFFUSION BROADENING
72-DE-02  DE-GRAAF, RUSH+      V-H/ TA-H ..EXPERIMENT/ QUASIELASTIC/ HYDROGEN DIFFUSION IN METAL
72-RO-04  ROWE      V-H ..EXPERIMENT/ PHONON SPECTRA/ 300K,425K
76-AS-01  ASANO, ABE+      V-H ..NEUTRON DIFFRACTION/ V2-H
76-RU-01  RUSH, ROWE+      V-H ..EXPERIMENT/ PHONON DISPERSION

3.105  VANADIUM-NICKEL                             V-NI

66-MO-01  MOZER, OTNES+      V-BE/ V-NI/ V-PT ..EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY SPECTRA/ ALLOY

3.106  VANADIUM-PLATINUM                           V-PT

66-MO-01  MOZER, OTNES+      V-BE/ V-NI/ V-PT ..EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY SPECTRA/ ALLOY

3.107  YTTERBIUM HYDRIDE                           YB-H

70-MA-02  MAELAND      YB-H/ CA-H/ SR-H/ BA-H ..EXPERIMENT/ FREQUENCY SPECTRUM

3.108  YTTRIUM-HOLMIUM                             Y-HO

3.109  YTTRIUM HYDRIDE                             Y-H

65-WH-01  WHITEMORE      POLYETHYLENE/ GRAPHITE/ METHANE/ ZR-H/ Y-H/ LA-H ..EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERI
66-RU-03  RUSH, FLOTOW+      Y-H/ U-H ..EXPERIMENT/ HYDROGEN VIBRATION/ OPTICAL BAND SPECRA

3.110  YTTRIUM-TERBIUM                             Y-TB
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74-MO-02 MOSTOLLER, KAPLAN+ Y-TB ..THEORY/ LATTICE DYNAMICS/ SOLID/ FREQUENCY SPECTRUM ..COHERENT POTENTIAL APPROXI

3.111 YTTRIUM-ZINC Y-ZN

72-PR-05 PREVENDER, SINHA+ Y-ZN ..EXPERIMENT/ PHONON DISPERSION/ ALLOY/ MODEL ANALYSIS/ FREQUENCY DISTRIBUTION/ DEB

3.112 ZIRCONIUM HYDRIDE ZR-H

57-AN-01 ANDERSON, MCREYNOLDS+ ZR-H ..EXPERIMENT/ SIGMA (E,E-PRIME,THETA)
58-MC-01 MCREYNOLS, NELKIN+ H2.O/ POLYETHYLENE/ ZR-H/ MG-H/ GRAPHITE ..EXPERIMENT/ THEORY/ LIQUID/ SOLID
61-BR-03 BRUGGER ZR-H/ H2.O/ BENZENE/ PARAFFINE/ ALCOHOL ..SIGMA (E,E-PRIME,THETA)/ EXPERIMENT/ LIQUIDS/ TOF
61-WO-01 WOODS, BROCKHOUSE+ GRAPHITE/ H2.O/ D2.O/ ZR-H/ LI.H/ NA.H/ N.H4.CL ..EXPERIMENT/ CRYSTAL SPECTROMETER/ FRE
62-LE-01 LEHMAN, WOLFRAM+ CU/ AL/ ZR-H ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
64-SP-01 SPRINGER, HOFMYER+ H2.O/ D2.O/ PHENYL/ ZR-H ..EXPERIMENT/ LIQUID/ DIFFUSION PARAMETER ..AVE-MU
65-BE-02 BEYSTER, YOUNG+ H2.O/ D2.O/ ZR-H ..EXPERIMENT/ DIFFUSION PARAMETER ..AVE-MU
65-GL-03 GLAESER, EHRET+ C6.H6/ H2.O/ ZR-H ..SCATTERING LAW/ FREQUENCY DISTRIBUTION/ EXPERIMENT/ LIQUID ..20DC FOR
65-HA-04 HARLING, LEONARD-JR ZR-H ..EXPERIMENT/ LATTICE DYNAMICS ..INCOHERENT/ TOF/ 295DK
65-KO-02 KORNBICHLER D2.O/ ZR-H ..EXPERIMENT/ LIQUID/ DIFFUSION PARAMETER
65-WH-01 WHITEMORE POLYETHYLENE/ GRAPHITE/ METHANE/ ZR-H/ Y-H/ LA-H ..EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERI
65-WH-03 WHITTEMORE ZR-H ..EXPERIMENT ..HIGH-ENERGY INCIDENT NEUTRONS
66-AN-03 ANTUNEZ, BEYSTER+ BE.O/ H2.O/ D2.O/ ZR-H ..EXPERIMENT/ THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
66-BE-06 BEYSTER, NEILL+ H2.O/ D2.O/ ZR-H/ GRAPHITE/ BE.O ..NEUTRON SPECTRUM/ COMPILATION/ LIQUID/ GAS
66-BR-02 BROECKER N.H4.CL/ N.H4.BR/ N.H4.I/ ZR-H/ TI-H ..SIGMA(E)/ EXPERIMENT/ CRYSTAL SPECTROMETER
66-IS-01 ISHMAEV, MOSTOVOI+ ZR-H ..THEORY/ SOLID/ NEUTRON SPECTRUM
66-KO-01 KOPPEL POLYETHYLENE/ ZR-H/ H2.O ..SCATTERING FUNCTION/ SCATTERING CROSS SECTION/ NEUTRON SPECTRUM
66-KO-04 KOPPEL H2.O/ POLYETHYLENE/ ZR-H/ H ..CROSS SECTION EVALUATION/ SCATTERING FUNCTION/ THEORY/ LIQUID/ SO
67-BE-03 BEYSTER, BORGONOVI+ C.H2/ C6.H6/ ZR-H ..EXPERIMENT
67-BI-01 BISCHOFF, BRYANT+ POLYETHYLENE/ H2.O/ ZR-H/ NB-H/ U.O2 ..EXPERIMENT
67-CA-04 CARRIVEAU ZR-H ..ANGULAR DISTRIBUTION/ TEMPERATURE EFFECT
67-GL-01 GLAESER REVIEW-ARTICLES/ H2.O/ ZR-H/ GRAPHITE/ D2.O/ BE/ BE.O ..INCOHERENT APPROXIMATION/ MUTIPLE SCATT
67-PA-04 PAN, YEATER+ ZR-H/ NB-H/ TI-H/ U.C ..EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
68-BE-03 BEYSTER, BORGONOVI+ BIPHENYL/ ZR-H/ U.O2 ..LATTICE DYNAMICS/ SCATTERING FUNCTION
68-BE-04 BEYSTER, BORGONOVI+ C.H2/ ZR-H/ C6.H6 ..EXPERIMENT/ MOLECULAR DYNAMICS
68-GL-01 GLAESER H2.O/ ZR-H/ GRAPHITE/ D2.O/ BE/ BE.O ..COMPILATION/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
68-GL-02 GLAESER H2.O/ D2.O/ ZR-H/ GRAPHITE/ BE/ BE.O ..SCATTERING FUNCTION/ DIFFUSION PARAMETER/ COMPILATION
68-PU-01 PUROHIT, PAN+ U.C/ U.O2/ ZR-H/ TI-H/ NB-H/ TH-H ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT
68-SL-01 SLAGGIE ZR-H ..THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION ..ROOT SAMPLING METHOD
68-SL-02 SLAGGIE H2.O/ ZR-H ..THEORY/ CROSS SECTION EVALUATION
68-TH-01 THORSON ZR-H/ U.O2 ..SCATTERING FUNCTION/ EXPERIMENT/ SOLID ..DIFFERENTIAL SCATTERING CROSS SECTION
69-CA-03 CARRIVEAU, BORGONOVI+ ZR-H ..SIGMA (THETA,E)/ SOLID ..750DK/ ROOMTEMPERATURE
69-SL-02 SLAGGIE ZR-H ..THEORY/ ANHARMONICITY/ FREQUENCY DISTRIBUTION ..300DK/ 800DK
71-CO-01 COUCH, HARLING+ ZR-H ..EXPERIMENT/ SOLID/ SIGMA(E,E-PRIME,THETA)
71-DA-01 DAY, SINCLAIR ZR-H/ H2.O/ C6.H7.N/ NA.N.H2 ..EXPERIMENT/ TOF SPECTRA/ PULSED NEUTRON SOURCE
71-DA-02 DAY, SINCLAIR ZR-H/ H2.O/ SODAMIDE/ ANILINE ..EXPERIMENT/ MOLECULAR DYNAMICS/ LINAC PULSED NEUTRON SOURCE
71-SA-01 SAASTAMOINEN, PALMGREN ZR-H ..EXPERIMENT/ SOLID/ SCATTERING CROSS SECTION
72-NA-01 NAKAHARA, KADOTANI ZR-H/ COMPUTER-CODES ..THEORY/ SIGMA (E,E-PRIME)/ SIGMA (E)/ SIGMA-TRANSPORT(E)/ SOLID
76-MA-06 MATSUMOTO ZR-H ..QUASIELASTIC SCATTERING

3.113 ZIRCONIUM-NIOBIUM ZR-NB

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75-AX-01  AXE, KEATING+      ZR-NB ..EXPERIMENT/ CRYSTAL SPECTROMETER/ DISPERSION RELATION ,.1238DK
77-AX-02  AXE, HEIDEMANN+      ZR-NB ..DIFFUSE SCATTERING/ QUESIELASTIC
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4 INORGANIC COMPOUNDS

4. 1 ALUMINA AL2.O3

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75-KA-04  KAPPUS          AL2.O3 ..LATTICE DYNAMICS/ RIGID ION/ THEORY
75-MC-04  MCWHAN, SHAPIRO+      ALUMINA ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ ELASTIC CONSTANT/ DISPERSION RELATION ..IM
76-HS-01  HSU             ALUMINA ..PHONON-SPECTRA/ DENSITY-OF-STATES/ THEORY ..1.3M2O.11AL2.O3/ SUPERIONIC-CONDUCTOR
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4. 2 ALUMINIUM CHLORIDE AL.CL3

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64-BO-02  BOUTIN, PRASK     H2.O/ WATER-SILICA/ WATER-ALUMINA/ AL.CL3 ..EXPERIMENT/ MOLECULAR DYNAMICS ..H2.O VAPOR ADSO
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4. 3 ALUMINIUM NITRIDE AL.N

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67-CO-02  COLLINS, LIGHTOWLERS+     AL.N ..OPTICAL EXPERIMENT
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4. 4 ALUMINIUM PHOSPHATE AL.P.O4

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70-SC-05  SCOTT           AL.P.O4 ..ANHARMONICITY/ EXPERIMENT/ RAMAN
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4. 5 AMMONIA N.H3

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41-SA-01  SACHS, TELLER     NEUTRON-SCATTERING-IN-FLUIDS/ H2/ C.H4/ N.H3/ H2.O ..SCATTERING THEORY ..MOLECULAR GASES
60-RU-01  RUSH, TAYLOR+     N.H3/ N.H4.I/ N.H4.BR/ N.H4.CL/ N.H4.F ..EXPERIMENT/ MOLECULAR DYNAMICS ..TOTAL CROSS SECTIO
63-JA-02  JANIK, JANIK+     C.H4/ N.H3/ H2.S/ H2.O ..SIGMA(E)/ EXPERIMENT/ LIQUID
63-JA-03  JANIK, RZANY+     N.H3 ..EXPERIMENT/ TOTAL CROSS SECTION/ LIQUID
63-WE-01  WEBB            C.H4/ N.H3/ H2 ..SIGMA(E,E-PRIME,THETA)/ EXPERIMENT/ GAS ..ROOM TEMPERATURE
64-CZ-01  CZERLUNCZAKIEWICZ, KOWALSKA     N.H3 ..GASE/ MOLECULE/ EXPERIMENT/ SIGMA(E, E-PRIME)
64-VA-01  VAN-DINGENEN, NEVEDE-MEVERGNIES     ACETYLENE/ AMMONIA/ METHANE ..TOTAL CROSS SECTION/ EXPERIMENT/ SOLID ..LON
65-ST-07  STRONG, HARKER+     AMMONIA/ HYDROGEN SULFIDE ..EXPERIMENT/ GAS/ CROSS SECTION EVALUATION ..MTR-PHASE-CHOPPER
66-VE-03  VENKATARAMAN, RAO+     AMMONIA/ METHANE ..THEORY/ CALCULATION/ CROSS SECTION/ GAS PHASE
67-OK-01  OKA             N.H3 ..MOLECULE DYNAMICS/ THEORY/ FREQUENCY DISTRIBUTION
67-WE-01  WEBB            METHANE/ AMMONIA ..GAS/ EXPERIMENT/ NEUTRON SPECTRUM ..20DK
68-AG-01  AGRAWAL, YIP      C.H4/ H.CL/ N.H3 ..GAS/ THEORY/ CORRELATION FUNCTION ..INCOHERENT/ INTERMEDIATE SCATTERING FU
68-JA-02  JANIK           C.H4/ H2.O/ N.H3/ LI2.S.O4.H2.O/ H3.O.N.O3/ C.H3.I ..EXPERIMENT/ GAS/ LIQUID/ SOLID/ MOLECULAR
72-DA-02  DASANNACHARYA, THAPER+     N.H3 ..EXPERIMENT/ MOLECULAR LIQUID/ 218K/ MODEL ANALYSIS/ SIMPLE DIFFUSION/ HINDER
72-GO-03  GOYAL, DASANNACHARYA+     AMMONIA ..EXPERIMENT/ PHONON DENSITY
74-TH-01  THAPER, DASANNACHARYA+     AMMONIA ..EXPERIMENT/ LIQUID/ ROTATIONAL CORRELATION FUNCTION
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4. 6 AMMONIUM AZIDE N.H4.N3

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66-BO-02  BOUTIN, TREVINO+     N.H4.N3 ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS
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4. 7 AMMONIUM BROMIDE N.H4.BR

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60-RU-01  RUSH, TAYLOR+      N,H3/ N,H4,I/ N,H4,BR/ N,H4,CL/ N,H4,F ..EXPERIMENT/ MOLECULAR DYNAMICS ..TOTAL CROSS SECTIO
62-RU-01  RUSH, TAYLOR+      N,H4,CL/ N,H4,I/ N,H4,F/ N,H4,BR/ BENZENE/ TOLUENE/ MESITYLENE/ XYLENE ..EXPERIMENT/ TOTAL C
63-JA-01  JANIK            C,H4/ N,H4,I/ N,H4,CL/ N,H4,BR/ N,H4,S,O3,F ..SIGMA(E)/ SIGMA(E,E-PRIME,THETA)/ EXPERIMENT/ THE
63-MI-02  MIKKE, KROH      N,H4,CL/ N,H4,BR/ N,H4,F/ N,H4,N,O3 ..LATTICE DYNAMICS/ EXPERIMENT ..INVERTED FILTER METHOD
63-VE-01  VENKATARAMAN, USHA+      N,H4,CL/ N,H4,BR ..EXPERIMENT
65-BA-01  BAJOREK, MACHEKHINA+      N,H4,CL/ N,H4,BR/ N,H4,I/ N,H4,F/ N,H4,N,O3/ N,H4,C,N,S/ (N,H4)2,S,O4/ (N,H4)2,S2,O8/
65-VE-01  VENKATARAMAN, DENIZ+      V/ N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,SN,CL6/ (N,H4)2,SN,BR6 ..EXPERIMENT/ ELASTIC SCA
66-BR-02  BROECKER         N,H4,CL/ N,H4,BR/ N,H4,I/ ZR-H/ TI-H ..SIGMA(E)/ EXPERIMENT/ CRYSTAL SPECTROMETER
66-VE-04  VENKATARAMAN, DENIZ+      N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,SN,CL6/ (N,H4)2,SN,BR6 ..EXPERIMENT/ ROTATIONAL MOD
68-LE-03  LEUNG, TAYLOR+      N,H4,F/ N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,S,O4/ (N,H4)2,CR2,O7/ N,H4,CL,O4 ..EXPERIMENT/ TO
73-SO-01  SOKOLOFF, LOVELUCK      N,H4,BR/ N,H4,CL ..THEORY/ ORDER-DISORDER TRANSITION/ SIGMA (THETA,E) ..ORIENTATIONAL D
74-IN-01  INOUE, KIYANAGI      N,H4,CL/ N,H4,BR/ N,H4,I ..CALCULATION/ SCATTERING FORM FACTOR/ ONE-DIMENSIONAL ROTOR
74-LI-01  LIVINGSTON      N,H4,BR ..EXPERIMENT/ NEUTRON SPECTRUM/ SCATTERING LAW/ QUASI-ELASTIC PEAK ..TORSIONAL VIBRATIO
74-YA-01  YAMADA, NODA+      N,H4,BR ..EXPERIMENT/ SIGMA(THETA,E)/ DISPERSION RELATION ..STRUCTURAL PHASE TRANSITION/ SPI
76-MA-07  MATSUSHITA      N,H4,CL/ N,H4,BR ..AMMONIUM HALIDE/ THEORY-IN-SOLIDS
76-PR-01  PRESS, ECKERT+      N,H4,BR ..EXPERIMENT/ P-T PHASE DIAGRAM
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4. 8 AMMONIUM BROMOSTANNATE (N,H4)2,SN,BR6

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66-VE-04  VENKATARAMAN, DENIZ+      N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,SN,CL6/ (N,H4)2,SN,BR6 ..EXPERIMENT/ ROTATIONAL MOD
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4. 9 AMMONIUM CHLORIDE N,H4,CL

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60-RU-01  RUSH, TAYLOR+      N,H3/ N,H4,I/ N,H4,BR/ N,H4,CL/ N,H4,F ..EXPERIMENT/ MOLECULAR DYNAMICS ..TOTAL CROSS SECTIO
62-RU-01  RUSH, TAYLOR+      N,H4,CL/ N,H4,I/ N,H4,F/ N,H4,BR/ BENZENE/ TOLUENE/ MESITYLENE/ XYLENE ..EXPERIMENT/ TOTAL C
63-JA-01  JANIK            C,H4/ N,H4,I/ N,H4,CL/ N,H4,BR/ N,H4,S,O3,F ..SIGMA(E)/ SIGMA(E,E-PRIME,THETA)/ EXPERIMENT/ THE
63-MI-02  MIKKE, KROH      N,H4,CL/ N,H4,BR/ N,H4,F/ N,H4,N,O3 ..LATTICE DYNAMICS/ EXPERIMENT ..INVERTED FILTER METHOD
63-VE-01  VENKATARAMAN, USHA+      N,H4,CL/ N,H4,BR ..EXPERIMENT
64-VE-01  VENKATARAMAN, DENIZ+      N,H4,CL ..EXPERIMENT ..300, 228 AND 135DK
65-BA-01  BAJOREK, MACHEKHINA+      N,H4,CL/ N,H4,BR/ N,H4,I/ N,H4,F/ N,H4,N,O3/ N,H4,C,N,S/ (N,H4)2,S,O4/ (N,H4)2,S2,O8/
65-VE-01  VENKATARAMAN, DENIZ+      V/ N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,SN,CL6/ (N,H4)2,SN,BR6 ..EXPERIMENT/ ELASTIC SCA
66-BR-02  BROECKER         N,H4,CL/ N,H4,BR/ N,H4,I/ ZR-H/ TI-H ..SIGMA(E)/ EXPERIMENT/ CRYSTAL SPECTROMETER
66-VE-04  VENKATARAMAN, DENIZ+      N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,SN,CL6/ (N,H4)2,SN,BR6 ..EXPERIMENT/ ROTATIONAL MOD
68-CH-01  CHEN, DVORAK      HEXAMETHYLENETETRAMINE/ ADAMANTANE/ N,H4,CL ..THEORY/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS/ D
68-LE-03  LEUNG, TAYLOR+      N,H4,F/ N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,S,O4/ (N,H4)2,CR2,O7/ N,H4,CL,O4 ..EXPERIMENT/ TO
69-PA-02  PARLINSKI         N,H4,CL ..THEORY
69-SM-01  SMITH, TRAYLOR+      N,H4,CL ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS ..TRIPLE-AXIS-SPECTROMETER
69-TE-01  TEH, BROCKHOUSE+      N,H4,CL ..EXPERIMENT/ CONST.-Q METHOD/ LATTICE DYNAMICS/ DISPERSION RELATION ..DEUTERATED
71-CO-03  COWLEY            AMMONIUM CHLORIDE ..THEORY/ DISPERSION RELATION/ LATTICE DYNAMICS
71-JE-01  JEX               N,H4,CL ..THEORY/ DISPERSION RELATION
71-JE-02  JEX               N,H4,CL ..THEORY/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION FUNCTION
71-TE-01  TEH, BROCKHOUSE      AMMONIUM CHLORIDE ..EXPERIMENT/ CHRYSTAL SPECTROMETER/ DISPERSION RELATION
72-KI-01  KIM, RAFIZADEH+      N,H4,CL ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRUM/ RIDID-MOLECULAR MODEL/ ORDERD PHA
72-TH-01  THE               N,H4,CL ..THEORY/ PHONON DISPERSION/ RIGID ION, SHELL MODEL/ FREQUENCY DISTRIBUTION
73-MI-01  MICHEL            N,H4,CL ..THEORY/ INCOHERENT APPROXIMATION ..XH4-TETRAHEDRON/ REORIENTATION AROUND 2 AND 3 FOLD
73-SK-01  SKOELD, DAHLBORG      N,H4,CL ..EXPERIMENT/ NEUTRON DIFRACTION/ TOF/ SIGMA (THETA,E) ..STEPWISE REORIENTATION O
73-SO-01  SOKOLOFF, LOVELUCK      N,H4,BR/ N,H4,CL ..THEORY/ ORDER-DISORDER TRANSITION/ SIGMA (THETA,E) ..ORIENTATIONAL D
73-TE-01  TEH, BROCKHOUSE      N,H4,CL ..LATICE DYNAMICS/ DISPERSION CURVE
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74-IN-01 INOUE, KIYANAGI N,H4,CL/ N,H4,BR/ N,H4,I ..CALCULATION/ SCATTERING FORM FACTOR/ ONE-DIMENSIONAL ROTOR
74-YE-02 YELON N,H4,CL ..EXPERIMENT/ PHASE TRANSITION/ CRITICAL SCATTERING
76-MA-07 MATSUSHITA N,H4,CL/ N,H4,BR ..ANMONIUM HALIDE/ THEORY-IN-SOLIDS

4, 10 AMMONIUM CHLORIDE-POTASSIUM CHLORIDE N,H4,CL-K,CL

74-KA-04 KAPLAN, MOSTOLLER CU-AL/ N,H4,CL-K,CL ..CALCULATIONS/ COHERENT-POTENTIAL APPROXIMATION/ PHONON DENSITY OF

4, 11 AMMONIUM CHLOROSTANNATE (N,H4)2,SN,CL6

65-VE-01 VENKATARAMAN, DENIZ+ V/ N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,SN,CL6/ (N,H4)2,SN,BR6 ..EXPERIMENT/ ELASTIC SCA
66-VE-04 VENKATARAMAN, DENIZ+ N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,SN,CL6/ (N,H4)2,SN,BR6 ..EXPERIMENT/ ROTATIONAL MOD
77-PR-01 PRAGER, PRESS+ AMMONIUM CHLOROSTANNATE ..EXPERIMENT/ TUNNEL SPLITTING/ LIBRATIONAL STATES/ QUASI-ELASTIC S

4, 12 AMMONIUM CHROMATE (N,H4)2,CR,O4

61-RU-01 RUSH, TAYLOR+ K,H2,P,O4/ (N,H4)2,CR,O4/ (N,H4)2,CR2,O7/ N,H4,C,N,S/ N,H4,CL,O4 ..EXPERIMENT/ MOLECULAR DYN
62-RU-02 RUSH, SAFFORD+ N,H4,P,F6/ (N,H4)2,S2,O8/ (N,H4)2,CR,O4/ N,H4,S,O3,F/ DIMETHYLACETYLENE ..EXPERIMENT/ MOLEC

4, 13 AMMONIUM DICHROMATE (N,H4)2,CR2,O7

61-RU-01 RUSH, TAYLOR+ K,H2,P,O4/ (N,H4)2,CR,O4/ (N,H4)2,CR2,O7/ N,H4,C,N,S/ N,H4,CL,O4 ..EXPERIMENT/ MOLECULAR DYN

4, 14 AMMONIUM DIHYDROGEN ORTHOARSENATE N,H4,H2,AS,O4

73-DI-01 DIMIC, OSREDKAR+ N,H4,H2,P,O4/ N,H4,H2,AS,O4/ (N,H4)2,H3,I,O6 ..EXPERIMENT/ ROTATING CRYSTAL SPECTROMETER/

4, 15 AMMONIUM DIHYDROGEN ORTHOPHOSPHATE N,H4,H2,P,O4

69-ME-01 MEISTER, SKALYO+ N,H4,H2,P,O4 ..EXPERIMENT/ SOLID ..QUASI-ELASTIC NEUTRON SCATTERING / TEMPERATURE DEPENDE
72-AN-04 ANTONINI, SOSNOWSKA+ K,H2,P,O4/ N,H4,H2,P,O4 ..ELASTIC SCATTERING/ INTERFERENCE EFFECT/ PARAELECTRIC PHASE
73-DI-01 DIMIC, OSREDKAR+ N,H4,H2,P,O4/ N,H4,H2,AS,O4/ (N,H4)2,H3,I,O6 ..EXPERIMENT/ ROTATING CRYSTAL SPECTROMETER/

4, 16 AMMONIUM DISULFATE (N,H4)2,S2,O8

62-RU-02 RUSH, SAFFORD+ N,H4,P,F6/ (N,H4)2,S2,O8/ (N,H4)2,CR,O4/ N,H4,S,O3,F/ DIMETHYLACETYLENE ..EXPERIMENT/ MOLEC
63-BR-01 BRAJOVIC, BOUTIN+ N,H4,P,F6/ N,H4,I/ (N,H4)2,S2,O8/ N,H4,S,O3,F ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAM

4, 17 AMMONIUM FLUOBERYLLATE (N,H4)2,BE,F4

65-RU-02 RUSH, TAYLOR K4,FE,(C,N)6/ (N,H4)2,S,O4/ N,H4,H,S,O4/ (N,H4)2,BE,F4 ..EXPERIMENT/ MOLECULAR LATTICE DYNAMI

4, 18 AMMONIUM FLUORIDE N,H4,F

60-RU-01 RUSH, TAYLOR+ N,H3/ N,H4,I/ N,H4,BR/ N,H4,CL/ N,H4,F ..EXPERIMENT/ MOLECULAR DYNAMICS ..TOTAL CROSS SECTIO
62-RU-01 RUSH, TAYLOR+ N,H4,CL/ N,H4,I/ N,H4,F/ N,H4,BR/ BENZENE/ TOLUENE/ MESITYLENE/ XYLENE ..EXPERIMENT/ TOTAL C
63-MI-02 MIKKE, KROH N,H4,CL/ N,H4,BR/ N,H4,F/ N,H4,N,O3 ..LATTICE DYNAMICS/ EXPERIMENT ..INVERTED FILTER METHOD
65-BA-01 BAJOREK, MACHEKHINA+ N,H4,CL/ N,H4,BR/ N,H4,I/ N,H4,F/ N,H4,N,O3/ N,H4,C,N,S/ (N,H4)2,S,O4/ (N,H4)2,S2,O8/
68-LE-03 LEUNG, TAYLOR+ N,H4,F/ N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,S,O4/ (N,H4)2,CR2,O7/ N,H4,CL,O4 ..EXPERIMENT/ TO

4. 19 AMMONIUM FLUOSILICATE (N,H4)2,SI,F6

66-SC-01 SCHLEMPER, HAMILTON (N,H4)2,SI,F6 ..EXPERIMENT/ NEUTRON SPECTROSCOPY

4. 20 AMMONIUM FLUOSULFONATE N,H4,S,O3,F

62-RU-02 RUSH, SAFFORD+ N,H4,P,F6/ (N,H4)2,S2,O8/ (N,H4)2,CR,O4/ N,H4,S,O3,F/ DIMETHYLACETYLENE ..EXPERIMENT/ MOLEC
63-BR-01 BRAJOVIC, BOUTIN+ N,H4,P,F6/ N,H4,I/ (N,H4)2,S2,O8/ N,H4,S,O3,F ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAM
63-JA-01 JANIK C,H4/ N,H4,I/ N,H4,CL/ N,H4,BR/ N,H4,S,O3,F ..SIGMA(E)/ SIGMA(E,E-PRIME,THETA)/ EXPERIMENT/ THE

4. 21 AMMONIUM HEXAFLUOPHOSPHATE N,H4,P,F6

62-RU-02 RUSH, SAFFORD+ N,H4,P,F6/ (N,H4)2,S2,O8/ (N,H4)2,CR,O4/ N,H4,S,O3,F/ DIMETHYLACETYLENE ..EXPERIMENT/ MOLEC
63-BR-01 BRAJOVIC, BOUTIN+ N,H4,P,F6/ N,H4,I/ (N,H4)2,S2,O8/ N,H4,S,O3,F ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAM
64-JA-01 JANIK, JANIK+ C,H4/ C,H3,I/ DIMETHYLACETYLENE/ N,H4,CL,O4/ N,H4,P,F6/ H3,O,CL,O4/ DIMETHOXYAZOXYBENZENE

4. 22 AMMONIUM HYDROGEN SULFATE N,H4,H,S,O4

65-RU-02 RUSH, TAYLOR K4,FE,(C,N)6/ (N,H4)2,S,O4/ N,H4,H,S,O4/ (N,H4)2,BE,F4 ..EXPERIMENT/ MOLECULAR LATTICE DYNAMI

4. 23 AMMONIUM IODIDE N,H4,I

60-RU-01 RUSH, TAYLOR+ N,H3/ N,H4,I/ N,H4,BR/ N,H4,CL/ N,H4,F ..EXPERIMENT/ MOLECULAR DYNAMICS ..TOTAL CROSS SECTIO
62-RU-01 RUSH, TAYLOR+ N,H4,CL/ N,H4,I/ N,H4,F/ N,H4,BR/ BENZENE/ TOLUENE/ MESITYLENE/ XYLENE ..EXPERIMENT/ TOTAL C
63-BR-01 BRAJOVIC, BOUTIN+ N,H4,P,F6/ N,H4,I/ (N,H4)2,S2,O8/ N,H4,S,O3,F ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAM
63-JA-01 JANIK C,H4/ N,H4,I/ N,H4,CL/ N,H4,BR/ N,H4,S,O3,F ..SIGMA(E)/ SIGMA(E,E-PRIME,THETA)/ EXPERIMENT/ THE
65-BA-01 BAJOREK, MACHEKHINA+ N,H4,CL/ N,H4,BR/ N,H4,I/ N,H4,F/ N,H4,N,O3/ N,H4,C,N,S/ (N,H4)2,S,O4/ (N,H4)2,S2,O8/
65-MI-01 MIKKE, DOBRZYNSKI N,H4,I/ K,I ..FREQUENCY SPECTRA/ SOLID SOLUTION
65-VE-01 VENKATARAMAN, DENIZ+ V/ N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,SN,CL6/ (N,H4)2,SN,BR6 ..EXPERIMENT/ ELASTIC SCA
66-BR-02 BROECKER N,H4,CL/ N,H4,BR/ N,H4,I/ ZR-H/ TI-H ..SIGMA(E)/ EXPERIMENT/ CRYSTAL SPECTROMETER
66-KO-05 KOSALY, SOLT C,H4/ N,H4,I ..THEORY/ DIFFERENTIAL CROSS SECTION ..86DK FOR C,H4/ ROOM TEMP. FOR N,H4,I
66-VE-04 VENKATARAMAN, DENIZ+ N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,SN,CL6/ (N,H4)2,SN,BR6 ..EXPERIMENT/ ROTATIONAL MOD
68-LE-03 LEUNG, TAYLOR+ N,H4,F/ N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,S,O4/ (N,H4)2,CR2,O7/ N,H4,CL,O4 ..EXPERIMENT/ TO
69-DU-01 DURIG, ANTION N,H4,I ..SOLID/ EXPERIMENT ..RAMAN SPECTRA/ FAR INFRARED SPECTRA
74-IN-01 INOUE, KIYANAGI N,H4,CL/ N,H4,BR/ N,H4,I ..CALCULATION/ SCATTERING FORM FACTOR/ ONE-DIMENSIONAL ROTOR
75-VA-01 VAGELATOS, ROWE+ N,H4,I ..EXPERIMENT/ DISPERSION RELATION/ COHERENT INELASTIC NEUTRON SCATTERING/ LATTICE
77-GO-02 GOEL, SHARMA+ N,H4,I ..THEORY/ PHONON DISPERSION/ PHONON DENSITY OF STATES

4. 24 AMMONIUM NITRATE N,H4,N,O3

63-MI-02 MIKKE, KROH N,H4,CL/ N,H4,BR/ N,H4,F/ N,H4,N,O3 ..LATTICE DYNAMICS/ EXPERIMENT ..INVERTED FILTER METHOD
65-BA-01 BAJOREK, MACHEKHINA+ N,H4,CL/ N,H4,BR/ N,H4,I/ N,H4,F/ N,H4,N,O3/ N,H4,C,N,S/ (N,H4)2,S,O4/ (N,H4)2,S2,O8/

4, 25 AMMONIUM PERCHLORATE N,H4,CL,O4

61-RU-01 RUSH, TAYLOR+ K,H2,P,O4/ (N,H4)2,CR,O4/ (N,H4)2,CR2,O7/ N,H4,C,N,S/ N,H4,CL,O4 ..EXPERIMENT/ MOLECULAR DYN
64-JA-01 JANIK, JANIK+ C,H4/ C,H3,I/ DIMETHYLACETYLENE/ N,H4,CL,O4/ N,H4,P,F6/ H3,O,CL,O4/ DIMETHOXYAZOXYBENZENE
64-RU-01 RUSH, TAYLOR HEXAMETHYLBENZENE/ AMMONIUM PERCHLORATE ..EXPERIMENT/ ROTATIONAL MOTION
70-JA-02 JANIK, JANIK+ N,H4,CL,O4 ..EXPERIMENT/ FREQUENCY SPECTRA
75-PR-01 PRASK, TREVINO+ AMMONIUM PERCHLORATE ..EXPERIMENT/ QUASIELASTIC/ 66-150PK/ ROTATIONAL MOTION OF N,H4 ION
76-CH-04 CHESSER, PRASK N,H4,CL,O4 ..EXPERIMENT/ QUASIELASTIC/ ROTATIONAL MOTION

4, 26 AMMONIUM-POTASSIUM SULFATE ((N,H4)-K)2,S,O4

76-CH-02 CHANDRA, DASANNACHARYA+ ((N,H4)-K)2,S,O4 ..EXPERIMENT/ MIXED SALTS/ FERROELECTRICITY

4, 27 AMMONIUM SULFATE (N,H4)2,S,O4

65-RU-02 RUSH, TAYLOR K4,FE,(C,N)6/ (N,H4)2,S,O4/ N,H4,H,S,O4/ (N,H4)2,BE,F4 ..EXPERIMENT/ MOLECULAR LATTICE DYNAMI
68-LE-03 LEUNG, TAYLOR+ N,H4,F/ N,H4,CL/ N,H4,BR/ N,H4,I/ (N,H4)2,S,O4/ (N,H4)2,CR2,O7/ N,H4,CL,O4 ..EXPERIMENT/ TO
70-DO-01 DOHLBORG, LARSSON+ AMMONIUM SULFATE ..EXPERIMENT/ COLD NEUTRON SPECTROMETER/ FERROELECTRICITY/ PHASE TRANS
70-KI-01 KINE, GOYAL+ (N,H4)2,S,O4 ..EXPERIMENT/ SOLID/ MOLECULAR ROTATION
71-TR-03 TREFLER (N,H4)2,S,O4 ..FAR INFRARED EXPERIMENT
72-SA-01 SAKAMOTO, IIZUMI+ K,H,F2/ (N,H4)2,S,O4/ POLYETHYLENE ..EXPERIMENT/ BE-FILTER-DETECTOR/ MOLECULAR DYNAMICS
76-CH-03 CHANDRA, DASANNACHARYA+ (N,H4)2,S,O4 ..EXPERIMENT/ INELASTIC,QUASIELASTIC/ ION DYNAMICS

4, 28 AMMONIUM THIOCYANATE N,H4,C,N,S

61-RU-01 RUSH, TAYLOR+ K,H2,P,O4/ (N,H4)2,CR,O4/ (N,H4)2,CR2,O7/ N,H4,C,N,S/ N,H4,CL,O4 ..EXPERIMENT/ MOLECULAR DYN

4, 29 AMMONIUM TRIHYDROGEN PARAPERIODATE (N,H4)2,H3,I,O6

73-DI-01 DIMIC, OSREDKAR+ N,H4,H2,P,O4/ N,H4,H2,AS,O4/ (N,H4)2,H3,I,O6 ..EXPERIMENT/ ROTATING CRYSTAL SPECTROMETER/
76-RO-01 ROOS, KIND+ AG2,H3,I,O6/ (N,H4)2,H3,I,O6 ..LATTICE DYNAMICS/ PHASE TRANSITION/ THEORY

4, 30 ANALCITE

64-BO-01 BOUTIN, SAFFORD+ BA,CL2/ CHABAZITE/ ANALCITE/ CU,S,O4/ APOPHYLLITE/ WATER-BERYL ..EXPERIMENT/ TOF-SPECTRUM

4, 31 ANTIMONY IODOSULFIDE SB,S,I

77-PI-01 PIERREFFU, STEIGMEIER+ SB,S,I ..EXDERIMENT/ CONSTANT-Q METHOD DISPERSION RELATION

4. 32 APOPHYLLITE

64-BO-01 BOUTIN, SAFFORD+ BA.CL2/ CHABAZITE/ ANALCITE/ CU.S.O4/ APOPHYLLITE/ WATER-BERYL ..EXPERIMENT/ TOF-SPECTRUM

4. 33 ARSENIC SULFIDE AS2.S3

76-KU-01 KUKHTO, MIKHAILOV+ AS2.S3/ AS2.SE3 ..EXPERIMENT/ PHONON FREQUENCY SPECTRA

4. 34 BARIUM CHLORIDE BA.CL2

64-BO-01 BOUTIN, SAFFORD+ BA.CL2/ CHABAZITE/ ANALCITE/ CU.S.O4/ APOPHYLLITE/ WATER-BERYL ..EXPERIMENT/ TOF-SPECTRUM

4. 35 BARIUM CHLORATE HYDRATE BA.(CL.O3)2*H2.O

69-TH-01 THAPER, SEQUEIRA+ K2.C2.O4*H2.O/ BA.(CL.O3)2*H2.O/ LI2.S.O4*H2.O/ CA.S.O4*2(H2.O)/ CU.CL2*2(H2.O)/ BE.S.O4
70-TH-01 THAPER, DASANNACHARYA+ BA.(CL.O3)2*H2.O/ K2.C2.O4*H2.O ..EXPERIMENT/ HYDRATES/ LIBRATION OF H2.O IN HYDRAT

4. 36 BARIUM FLUOMANGANATE BA.MN.F4

76-SH-02 SHAPIRO, COWLEY+ BA.MN.F4 ..EXPERIMENT/ PHASE TRANSITION/ MAGNON DISPERSION
76-SH-05 SHAPIRO, COWLEY+ BA.MN.F4 ..EXPERIMENT/ PHASE TRANSITION/ MAGNON DISPERSION
77-BE-02 BECHTLE, SCOTT BA.MN.F4 ..EXPERIMENT ..PHASON BRANCH/ SOUND VELOCITY ANOMALLY/ BRILLOUIN TECHNIQUE

4. 37 BARIUM FLUORIDE BA.F2

70-DE-03 DENHAM, FIELD+ CA.F2/ SR.F2/ BA.F2/ CD.F2/ PB.F2 ..THEORY/ LATTICE DYNAMICS/ FREQUENCY SPECTRA/ DISPERSION
70-HU-01 HURRELL, MINKIEWICZ BA.F2 ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES/ SPECTRAL DENSITY ..SHELL MODE
72-KU-01 KUEHNER, WAGNER SR.F2/ BA.F2 ..THEORY/ PHONON DISPERSION/ GENERALIZED SHELL MODEL/ VIBRONIC SPECTRA
76-SH-03 SHAPIRO BA.F2/ PB.F2/ AG.I ..EXPERIMENT/ STRUCTURE ANALYSIS/ PHONON DISPERSION/ DIFFUSIVE MOTION
76-TH-01 THOMAS BA.F2/ SR.F2 ..NEUTRON DIFFRACTION/ TEMPERATURE EFFECT

4. 38 BARIUM LEAD-BISMUTH OXIDE BA.(PB-BI).O3

76-CO-15 COX, SLEIGHT BA.(PB-BI).O3 ..STRUCTURAL STUDIES

4. 39 BARIUM MANGANESE FLUORIDE BA.MN.F4

4. 40 BARIUM NITRATE BA.(N.O3)2

75-BI-02 BICHILE, KULKARMI BA.(N.O3)2 ..EXPERIMENT/ SOLID/ LATTICE PARAMETER ..THERMAL EXPANSION

4. 41 BARIUM OXIDE BA.O

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71-CA-01  CALTIER, MONTANER      MG.O/ CA.O/ SR.O/ BA.O ..THEORY/ PHONON DISPERSION
75-CH-01  CHANG, TOMPSON+      BA.O ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL FITTING/ FREQUENCY SPECTRA/ DEBYE TEMPER
76-PA-02  PANDEY, UPADHYAYA      BA.O ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..TH
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4. 42 BARIUM TITANATE BA.TI.O3

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61-PE-01  PELAH, LEEKOWITE      BA.TI.O3 ..FEROELECTRICITY/ PARAELECTRICITY/ EXPERIMENT
66-SO-01  SOLOVEV, KUKHTO+      SR.TI.O3/ BA.TI.O3/ PB.TI.O3 ..EXPERIMENT/ LATTICE VIBRATION ..POLYCRYSTAL/ ROOM TEMP/ 47
67-SH-02  SHIRANE, FRAZER+      BA.TI.O3 ..EXPERIMENT/ LATTICE DYNAMICS
69-CO-01  COCHRAN         NEUTRON-SCATTERING-IN-SOLIDS/ BA.TI.O3/ K.H2.P.O4/ NA.N.O2 ..THEORY/ DIELECTRIC/ CRITICAL SCATT
69-HU-02  HUELLER         BA.TI.O3 ..THEORY/ LATTICE DYNAMICS/ PHASE TRANSITION ..SOFT OPTICAL MODE
69-YA-02  YAMADA, SHIRANE      BA.TI.O3 ..EXPERIMENT/ CRITICAL SCATTERING/ QUASI-ELASTIC SCATTERING ..OVERDAMPED PHONON M
70-SH-08  SHIRANE, AXE+      BA.TI.O3 ..EXPERIMENT/ LATTICE DYNAMICS
71-HA-04  HARADA, AXE+      BA.TI.O3 ..EXPERIMENT/ DISPESION RELATION/ SOFT OPTIC PHONON/ TEMERATURE CHANGE/ MODE INTERAC
71-IS-01  ISHIBASHI, TAKAGI      BA.TI.O3/ SR.TI.O3 ..THEORY/ CALCULATION/ FORCE CONSTAT ANALYSIS
72-HA-02  HARADA          BA.TI.O3 ..SOFT PHONON MODE/ EXPERIMENT/ PHASE TRANSITION
72-IS-02  ISHIBASHI       BA.TI.O3/ SR.TI.O3 ..THEORY/ FORCE CONSTANT
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4. 43 BERYLLIUM FLUORIDE BE.F2

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70-LE-01  LEADBETTER, WRIGHT      BE.F2 ..INELASTIC SCATTERING/ COLD NEUTRON
76-GI-03  GILLAN, LARSEN+      CU.CL/ BE.F2/ H.F ..THEORY/ LIQUID/ PAIR-DISTRIBUTION FUNCTION ..MEAN SPHERICAL MODEL/ MIX
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4. 44 BERYLLIUM OXIDE BE.O

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62-BR-04  BRUGGER         BE/ BE.O/ GRAPHITE/ H2.O/ D2.O/ METHANE/ PROPANE/ TERPHENYL/ COMPILATIONS ..SCATTERING FUNCTION
63-SI-01  SINCLAIR        BE/ BE.O ..EXPERIMENT/ SCATTERING LAW/ FREQUENCY DISTRIBUTION/ TOF ..293 DK
64-HA-02  HAYWOOD, SINCLAIR      GRAPHITE/ BE/ BE.O ..COMPILATION/ SCATTERING FUNCTION
64-PR-01  PRYOR           BE.O ..THEORY/ SOLID ..ELECTRICAL CONDUCTIVITY
64-PR-02  PRYOR, SABINE      BE.O ..EXPERIMENT ..NEUTRON DIFFRACTION MEASUREMENTS/ DEBYE PARAMETER
65-OT-01  OTTEWITTE       BE.O ..SIGMA(E)/ EXPERIMENS/ SOLID ..290DK/ 800DK/ 1300DK/ 1500DK
66-AN-03  ANTUNEZ, BEYSTER+      BE.O/ H2.O/ D2.O/ ZR-H ..EXPERIMENT/ THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
66-BE-01  BENTLE          BE.O ..EXPERIMENT/ LATTICE DYNAMICS
66-BE-06  BEYSTER, NEILL+      H2.O/ D2.O/ ZR-H/ GRAPHITE/ BE.O ..NEUTRON SPECTRUM/ COMPILATION/ LIQUID/ GAS
66-BR-04  BRUGGER, STRONG+      BE.O ..EXPERIMENT/ DISPERSION RELATION/ ROTATING-CRYSTAL SPECTROMETER ..ROOM TEMPERATURE
66-YO-01  YOUNG           BE/ C/ BE.O ..SCATTERING FUNCTION/ THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DIS
66-YO-02  YOUNG, KOPPEL      BE.O ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE/ FREQUENCY SPECTRUM ..(THIS IS A PREPRINT
67-BR-05  BRUGGER, STRONG      BE.O ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION ..ROOM TEMPERATURE
68-BO-01  BORGONOVI       BE.O ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..RIGID ION
68-LO-01  LOH             BE.O ..LATTICE DYNAMICS/ EXPERIMENT ..ROOM TEMP./ INFRARED REFLECTION/ RAMAN SPECTRAL SHIFTS/ S
68-OS-01  OSTHELLER, SCHMUNK+      BE.O ..EXPERIMENT/ 3-AXIS SPECTROMETER/ LATTICE DYNAMICS/ DISPERSION RELATION
68-OS-02  OSTHELLER, SCHMUNK+      BE.O ..DISPERSION RELATION/ CRYSTAL SPECTROMETER/ LATTICE DYNAMICS/ EXPERIMENT/ SOLID/
68-PA-01  PAGE, HAYWOOD      H2.O/ D2.O/ GRAPHITE/ BE/ BE.O ..COMPILATION/ LIQUID/ SOLID/ FREQUENCY DISTRIBUTION ..AT VAR
69-NU-01  NUSIMOVICI      BE.O ..THEORY
69-SC-02  SCHROEDER       BE.O ..DEBYE-WALLER FACTOR/ FREQUENCY DISTRIBUTION/ SCATTERING LAW/ SIGMA(E)/ SIGMA(E.E-PRIME)/
70-HE-01  HEWAT           ZN.O/ BE.O ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVES
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4. 45 CADMIUM FLUORIDE CD.F2

70-DE-03 DENHAM, FIELD+ CA.F2/ SR.F2/ BA.F2/ CD.F2/ PB.F2 ..THEORY/ LATTICE DYNAMICS/ FREQUENCY SPECTRA/ DISPERSION
71-GO-01 GOBEAU, HEURET CD.F2 ..THEORY/ PHONON DISPERSION/ PHONON SPECTRA

4. 46 CADMIUM IODIDE CD.I2

77-VA-01 VAN-DER-VALK, HAAS PB.I2/ CD.I2/ SN.S2/ SN.SE2 ..THEORY/ SOLID/ LATTICE DYNAMICS ..POLARISABLE ION MODEL

4. 47 CADMIUM SULFIDE CD.S

65-NU-01 NUSIMOVICI, BIRMAN CD.S ..LATTICE DYNAMICS
70-NU-01 NUSIMOVICI, BALKANSKI+ CD.S ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVES/ FREQUENCY SPECTRUM ..SEMI-IONIC
70-RA-02 RAMASESHAN, VISWANATHAN CD.S ..ANOMALOUS SCATTERING

4. 48 CALCITE CA.C.O3

69-CO-07 COWLEY CALCITE/ CORUNDUM ..THEORY/ LATTICE DYNAMICS
71-PL-03 PLIHAL, SCHAACK CA.C.O3 ..THEORY/ PHONON DISPERSION/ SHELL MODEL
73-CO-07 COWLEY, PANT CA.C.O3 ..DISPERSION RELATION/ INELASTIC NEUTRON SCATTERING
73-PL-01 PLIHAL CA.C.O3 ..THEORY/ PHONON DISPERSION/ PHONON DENSITY/ SHELL MODEL

4. 49 CALCIUM FLUORIDE CA.F2

63-CR-01 CRIBIER, FARNOUX+ CA.F2 ..EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS
69-VI-01 VIJAYARAGHAVAN, IYENGAR CA.F2 ..EXPERIMENT/ PHONON DISPERSION
70-DE-03 DENHAM, FIELD+ CA.F2/ SR.F2/ BA.F2/ CD.F2/ PB.F2 ..THEORY/ LATTICE DYNAMICS/ FREQUENCY SPECTRA/ DISPERSION
70-EL-01 ELCOMBE, PRYOR CA.F2 ..EXPERIMENT/ 3-AXIS SPECTROMETER/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY S
71-EL-01 ELCOMBE, PRYOR CA.F2 ..EXPERIMENT/ PHONON DISPERSION
72-II-01 IIZUMI CA.F2
73-II-01 IIZUMI CA.F2 ..EXPERIMENT/ PHONON WIDTH/ TEMPERATURE EFFECT

4. 50 CALCIUM HYDROXIDE CA.(O.H)2

63-SA-01 SAFFORD, BRAJOVIC+ MG.(O,H)2/ CA.(O.H)2 ..EXPERIMENT/ TOF SPECTRA/ MOLECUCAR DYNAMICS
65-PE-02 PELAH, KREBS+ CA.(O.H)2/ MG.(O.H)2/ LI.O.H ..EXPERIMENT/ LATTICE DYNAMICS ..TOF
71-BA-02 BAJOREK, JANIK CALCIUM HYDROXIDE ..FREQUENCY DISTRIBUTION

4. 51 CALCIUM OXIDE CA.O

71-CA-01 CALTIER, MONTANER MG.O/ CA.O/ SR.O/ BA.O ..THEORY/ PHONON DISPERSION
71-SA-02 SAUNDERSON, PECKHAM CA.O ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL FITTING
71-SA-03 SAUNDERSON, PECKHAM CA.O ..EXPERIMENT/ DISPERSION CURVE/ NEUTRON SCATTERING/ THEORY/ FREQUENCYSPECTRUM ..T
72-UP-02 UPADHYAYA, SINGH CA.O ..THEORY/ LATTICE/ DYNAMICS/ DISPERSION RELATION
72-VI-01 VIJAYARAGHAVAN, MARSONGKOHADI+ CA.O ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL FITTING/ PHONON SPECTRA
75-UP-02 UPADHYAYA, SINGH CA.O/ SR.O ..THEORY/ LATTICE DYNAMICS/ THREE BODY FORCE SHELL MODEL/ DHONON DISPERSION/ D

75-UP-04 UPADHYAYA, SINGH CA,O/ SR,O ..THEORY/ LATTICE DYNAMICS/ THREE-BODY FORCE SHELL MODEL/ PHONON DISPERSION/ D

4, 52 CALCIUM SULFATE DIHYDRATE CA,S,O4*2(H2,O)

69-TH-01 THAPER, SEQUEIRA+ K2,C2,O4*H2,O/ BA,(CL,O3)2*H2,O/ LI2,S,O4*H2,O/ CA,S,O4*2(H2,O)/ CU,CL2*2(H2,O)/ BE,S,O4

4, 53 CARBON DIOXIDE C,O2

66-BA-02 BATA, KROO C,O2 ..EXPERIMENT ..NEUTRON SCATTERING/ DENSITY FLUCTUATION/ CRITICAL POINT
67-BA-04 BATA, KROO C,O2 ..CRITICAL SCATTERING
68-BA-04 BATA, KROO C,O2/ C,S2 ..EXPERIMENT ..CRITICAL SCATTERING
68-WA-02 WALMSLEY C,O2 ..THEORY/ SOLID/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
71-SU-01 SUZUKI, SCHNEPP C,O2 ..THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION FUNCTION ..SPECIFIC HEAT
72-JA-01 JACOBI, SCHNEPP C,O2/ H2/ N2 ..THEORY/ LATTICE DYNAMICS ..QUADRAPOL-QUADRAPOL POTENTIAL
72-PO-03 POWELL, DOLLING+ C,O2 ..EXPERIMENT/ PHONON DISPERSION/ MODEL CALCULATION
75-BE-03 BERNEY C,O2 ..NEUTRON SCATTERING SPECTRUM
75-BE-04 BERNEY C,O2 ..CALCULATION/ SOLID

4, 54 CARBON DISULFIDE C,S2

68-BA-04 BATA, KROO C,O2/ C,S2 ..EXPERIMENT ..CRITICAL SCATTERING
75-GR-01 GROUT, LEECH+ C,S2/ CL ..THEORY/ LATTICE DYNAMICS/ SOLID

4, 55 CARBON OXIDE C,O

68-MI-01 MIKA, DORNER+ C,O ..EXPERIMENT/ CONST,-Q ..77,3DK FOR LIQUID/ 63,1DK FOR SOLID
69-SH-05 SHINODA, ENOKIDO C,O ..THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
76-HA-01 HALL, JAMES C,O ..LATTICE DYNAMICS

4, 56 CARBON SUBOXIDE C3,O2

76-CL-02 CLARKE, DORE+ C3,O2 ..EXPERIMENT/ LIQUID STRUCTURE

4, 57 CARBON TETRACHLORIDE C,CL4

68-O--01 O-REILLY C,CL4/ C,H,CL3/ C6,H5,CL/ H,F/ H,CL/ N,H3/ H2,O ..CORRELAION FUNCTION/ MOLECULAR ROTAIONS/ LIQU
68-RA-05 RAO C,CL4 ..EXPERIMENT/ LIQUID/ RADIAL DISTRIBUTION
71-EG-01 EGELSTAFF, PAGE+ RB/ AR/ C,CL4 ..EXPERIMENT/ TRIPLET CORRELATION FUNCTION/ THEORY
71-EG-02 EGELSTAFF, PAGE+ C,CL4/ GE,BR4 ..EXPERIMENT/ MOLECULAR LIQUID DYNAMICS
76-BL-01 BLUM, NARTEN+ NEUTRON-SCATTERING-IN-FLUIDS/ C,CL4 ..THEORY/ NEUTRON DIFRACTION/ LIQUID/ SCATTERIN FUNCTION
76-CL-03 CLARKE, DORE+ C,CL4/ SI,CL4/ TI,CL4/ GE,CL4/ SN,CL4/ SI,CL4-TI,CL4/ SN,CL4-TI,CL4..LIQUID STRUCTURE/ NEUTR

4, 58 CARBON TETRAFLUORIDE C,F4

52-PO-01 POPE C,H4/ C,F4 ..MOLECULAR DYNAMICS/ THEORY

65-CH-02 CHEN, EDER+ NEON/ ARGON/ DEUTERIUM/ CARBON TETRAFLUORIDE ..EXPERIMENT/ LIQUID/ SIGMA(THETA,E)
68-FO-03 FOURNIER, SAVOIE+ C.F4 ..FREQUENCY DISTRIBUTION/ EXPERIMENT/ LIQUID/ SOLID ..70DK/ 125DK/ INFRA-RED/ RAMAN

4. 59 CESIUM AZIDE CS.N3

69-GO-01 GOVINDARAJAN, HARIDASAN K.N3/ RB.N3/ CS.N3 ..THEORY/ LATTICE VIBRATION ..RIGID ION MODEL/ BODY CENTERED TE

4. 60 CESIUM CHLORIDE CS.CL

68-KA-04 KARO, HARDY CS.CL/ CS.BR/ CS.I ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..R
68-WA-03 WARREN CS.CL/ MG ..GROUP THEORY/ LATTICE VIBRATION ..SYMMETRY PROPERTIES/ SPACE GROUP/ IRREDUCIBLE REP
69-SA-03 SAFFORD, LEUNG+ H2.O/ LA.CL3/ CS.I/ CS.CL/ K.I/ K.BR/ K.CL/ NA.CL ..EXPERIMENT/ TOF SPECTRA/ INTERMOLECULA
70-VE-03 VETELINO, MITRA+ CS.CL/ CS.BR/ CS.I ..THEORY/ DISPERSION CURVES ..RIGID ION MODEL/ BORN-MAYER FORCE/ GRUNE
71-MA-03 MAHLER, SCHROEDER CS.BR/ CS.CL ..THEROY/ PHONON DISPERSION
72-AH-01 AHMAD, SMITH+ CS.CL ..EXPERIMENT/ PHONON DISPERSION/ MODEL FITTING/ FREQUENCY SPECTRUM
72-CA-01 CARABATOS, PREVOT CS.CL/ CS.BR/ CS.I ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DIS
72-LA-03 LAL, VERMA CS.CL/ CS.BR/ CS.I ..CALCULATION/ PHONON DISPERSION/ THREE BODY FORCE SHELL MODEL
72-RA-05 RAM, AGRAWAL CS.CL ..THEORY/ LOCALIZED MODE/ GAP MODE/ H, D, K IMPURITY
73-VE-03 VETELINO, NAMJOSHI+ CS.CL/ CS.BR/ CS.I ..THEORY/ PHONON DISPERSION/ MODIFIED-RIGID-ION MODEL

4. 61 CESIUM BROMIDE CS.BR

68-KA-04 KARO, HARDY CS.CL/ CS.BR/ CS.I ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..R
70-DA-01 DAUBERT CS.BR ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..TOF/ PSEUDOSTATISTICAL CHOPPER/ 300
70-VE-03 VETELINO, MITRA+ CS.CL/ CS.BR/ CS.I ..THEORY/ DISPERSION CURVES ..RIGID ION MODEL/ BORN-MAYER FORCE/ GRUNE
71-MA-03 MAHLER, SCHROEDER CS.BR/ CS.CL ..THEROY/ PHONON DISPERSION
71-RO-01 ROLANDSON, RAUNIO CS.BR ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL FITTING/ PHONON DENSITY
71-RO-03 ROLANDSON, RAUNIO CS.BR ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL FITTING/ PHONON DENSITY/ DEBYE-TEMP.
72-CA-01 CARABATOS, PREVOT CS.CL/ CS.BR/ CS.I ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DIS
72-DA-03 DAUBERT CS.BR ..EXPERIMENT/ PHONON DISPERSION/ MODEL FITTING
72-LA-03 LAL, VERMA CS.CL/ CS.BR/ CS.I ..CALCULATION/ PHONON DISPERSION/ THREE BODY FORCE SHELL MODEL
73-VE-03 VETELINO, NAMJOSHI+ CS.CL/ CS.BR/ CS.I ..THEORY/ PHONON DISPERSION/ MODIFIED-RIGID-ION MODEL
74-VE-01 VETELINO, ROY+ CS.BR ..THEORY/ SECOND GRUENEISEN CONSTANT/ MODIFIED RIGID ION MODEL/ PRESSURE DEPENDENT LA

4. 62 CESIUM DIHYDROGEN PHOSPHATE CS.H2.P.O4

77-SE-01 SEMMINGSEN, ELLENSON CS.H2.P.O4 ..QUASI-ELASTIC DIFFUSE SCATTERING/ PHASE TRANSITION

4. 63 CESIUM FLUOMANGANATE CS2.MN.F6

76-CH-07 CHODOS, BLACK+ CS2.MN.F6/ K2.SI.F6/ RB2.SI.F6/ CS2.SI.F6/ K2.GE.F6 ..EXPERIMENT/ THEORY/ DIPERSION RELATIO

4. 64 CESIUM FLUORIDE CS.F

73-BU-01 BUEHER CS.F ..EXPERIMENT/ PHONON DISPERSION/ SEVEN PARAMETER SHELL MODEL FITTING/ PHONON SPECTRA/ HEAT
74-GU-01 GUPTA CS.F ..THEORY/ LATICE DYNAMICS/ DISPERSION RELATION ..THREE-BODY FORCE SHELL MODEL

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75-SI-08  SINGH, AGARWAL      CS,F ,,PHONON DISPERSION RELATION/ SHELL MODEL/ THEORY
76-AG-01  AGARWAL         CESIUM FLUORIDE ,,THEORY/ DISPERSION RELATION/ SOLID ,,THREE-BODY-FORCE SHELL MODEL

4. 65  CESIUM FLUOSILICATE                          CS2,SI,F6

76-CH-07  CHODOS, BLACK+      CS2,MN,F6/ K2,SI,F6/ RB2,SI,F6/ CS2,SI,F6/ K2,GE,F6 ,,EXPERIMENT/ THEORY/ DIPERSION RELATIO

4. 66  CESIUM HYDROGEN BROMIDE                      CS,H,BR2

73-SM-02  SMITH, TEMME+      NA,H,F2/ K,H,F2/ CS,H,CL2/ CS,H,BR2 ,,EXPERIMENT/ FREQUENCY SPECTRA/ TOF SPECTRA

4. 67  CESIUM HYDROGEN CHLORIDE                     CS,H,CL2

70-CO-02  COLLINS, HAYWOOD+      K,H,F2/ CS,H,CL2/ NA,H,C,O3/ K,C2,CL3,O2/ K,C2,F3,O2 ,,EXPERIMENT/ MOLECULAR DYNAMICS/ F
70-ST-01  STIRLING, LUDMAN+      CS,H,CL2 ,,EXPEMIMENT/ MOLECULAR DYNAMICS/ FREQUENCY SPECTRA ,,COLD NEUTRON SOURCE
72-GH-02  GHOSH, WADDINGTON+      NA,H,F2/ CS,H,CL2/ H,CR,O2/ H,CO,O2/ K,H,(C,CL3,C,O2)2 ,,EXPERIMENT/ NEUTRON SPECTROSCO
73-SM-02  SMITH, TEMME+      NA,H,F2/ K,H,F2/ CS,H,CL2/ CS,H,BR2 ,,EXPERIMENT/ FREQUENCY SPECTRA/ TOF SPECTRA

4. 68  CESIUM HYDROSULFIDE                          CS,S,H

73-RO-02  ROWE, LIVINGSTON+      CS,S,H/ RB,S,H ,,EXPERIMENT/ QUASI-ELASTIC PEAK/ MOLECULAR ROTATIONS/ MEAN SQUARE DISPLA
73-RU-02  RUSH, DE-GRAFF+      NA,S,H/ CS,S,H ,,THEORY/ EXPERIMENT/ QUASI-ELASTIC PEAK/ SIGMA (THETA,E) ,,SH-ION LIBRATIO

4. 69  CESIUM IODIDE                                CS,I

68-KA-04  KARO, HARDY      CS,CL/ CS,BR/ CS,I ,,THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ,,R
69-SA-03  SAFFORD, LEUNG+      H2,O/ LA,CL3/ CS,I/ CS,CL/ K,I/ K,BR/ K,CL/ NA,CL ,,EXPERIMENT/ TOF SPECTRA/ INTERMOLECULA
70-VE-03  VETELINO, MITRA+      CS,CL/ CS,BR/ CS,I ,,THEORY/ DISPERSION CURVES ,,RIGID ION MODEL/ BORN-MAYER FORCE/ GRUNE
71-BU-01  BUHRER, HALG      CS,I ,,PHONON DISPERSION
72-AG-01  AGRAWAL, RAM      CS,I ,,THEORY/ IMPURITY EFFECT/ LATTICE DYNAMICS
72-CA-01  CARABATOS, PREVOT      CS,CL/ CS,BR/ CS,I ,,THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DIS
72-LA-03  LAL, VERMA      CS,CL/ CS,BR/ CS,I ,,CALCULATION/ PHONON DISPERSION/ THREE BODY FORCE SHELL MODEL
73-VE-03  VETELINO, NAMJOSHI+      CS,CL/ CS,BR/ CS,I ,,THEORY/ PHONON DISPERSION/ MODIFIED-RIGID-ION MODEL

4. 70  CESIUM LEAD CHLORIDE                         CS,PB,CL3

73-YA-01  YAMADA, FUJII+      CS,PB,CL3 ,,EXPERIMENT/ PHASE TRANSITION/ SOFT MODE
76-HA-06  HARADA, SAKATA+      CS,PB,CL3 ,,NEUTRON DIFFRACTION/ STRUCTURE ANALYSIS

4. 71  CESIUM NICKEL FLUORIDE                       CS,NI,F3

76-DO-03  DORNER, STEINER      CS,NI,F3 ,,EXPERIMENT/ PHONON DISPERSION
76-ST-04  STEINER         CS,NI,F3 ,,EXPERIMENT/ SPIN WAVE
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4. 72 CESIUM URANIUM BROMIDE CS2.U.BR6

71-CH-04 CHODOS CS2.U.BR6 ..THEORY/ PHONON DISPERSION
72-CH-03 CHODOS CS2.U.BR6 ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION

4. 73 CHABAZITE CHABAZITE

64-BO-01 BOUTIN, SAFFORD+ BA.CL2/ CHABAZITE/ ANALCITE/ CU.S.O4/ APOPHYLLITE/ WATER-BERYL ..EXPERIMENT/ TOF-SPECTRUM

4. 74 CHALCOPYRITE CU.FE.S2

75-PO-02 POPLAVNOI, TYUTEREV CU.FE.S2 ..CALCULATION/ PHONON SPECTRUM/ HARD ION MODEL

4. 75 CHROMIUM(3) ACID H.CR.O2

66-RU-02 RUSH, FERRARO H.CR.O2 ..EXPERIMENT/ FREQUENCY DISTRIBUTION/ MOLECULAR CRYSTAL DYNAMICS ..TOF/ H.CR.O2 AND
72-GH-02 GHOSH, WADDINGTON+ NA.H.F2/ CS.H.CL2/ H.CR.O2/ H.CO.O2/ K.H.(C.CL3.C.O2)2 ..EXPERIMENT/ NEUTRON SPECTROSCO

4. 76 CHROMIUM SESQUIOXIDE CR2.O3

4. 77 CINNABAR HG.S

73-NU-01 NUSIMOVICI, GORRE HG.S ..THEORY/ PHONON DISPERSION/ VELOCITY OF SOUND

4. 78 COBALT(3) ACID H.CO.O2

72-GH-02 GHOSH, WADDINGTON+ NA.H.F2/ CS.H.CL2/ H.CR.O2/ H.CO.O2/ K.H.(C.CL3.C.O2)2 ..EXPERIMENT/ NEUTRON SPECTROSCO

4. 79 COBALT CHLORIDE CO.CL2

77-CA-03 CARRARA, REDOULES CO.CL2 ..EXPERIMENT/ DISPERSION RELATION ..3-AXIS SPECTROMETER

4. 80 COBALT CHROMIDE DIHYDRATE CO.CL2*2(H2.O)

4. 81 COBALT FLUORIDE CO.F2

68-MA-05 MARTEL, COWLEY+ CO.F2 ..EXPERIMENT/ CONSTANT-Q METHOD/ DISPERSION RELATION ..800K/ 4.2DK/ RIGID ION MODEL

4. 82 COBALT HYDROGEN CARBONYL H.CO.(C.O)4

72-WH-03 WHITE, WRIGHT H,CO,(C,O)4/ H2,FE,(C,O)4/ H,MN,(C,O)5/ K,H,FE,(C,O)4/ H3,MN3,(C,O)12/ CS,H,FE3,(C,O)11 ..EX

4. 83 COBALT OXIDE CO,O

68-SA-02 SAKURAI, BUYERS+ CO,O ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION ..3-AXIS SPECTROMETER/ 425DK/ 11
72-UP-01 UPADHYAYA, SINGH CO,O ..THEORY/ PHONON DISPERSION/ THREE-BODY FORCE SHELL MODEL
74-UP-01 UPADHYAYA, SINGH MN,O/ CO,O/ NI,O ..THEORY/ DISPERSION RELATION/ LATTICE DYNAMICS ..THREE-BODY FORCE SHELL
77-GO-07 GOYAL, GOYAL CO,O/ NI,O ..THEORY/ FREQUENCY SPECTRUM

4. 84 COBALT PHOSPHIDE CO,P

4. 85 COBALT PHOSPHIDE CO4,P

4. 86 COBALT SULFIDE CO,S2

76-OH-01 OHSAWA, YAMAGUCHI+ CO,S2 ..POLARIZED NEUTRON DIFFRACTION
76-OH-02 OHSAWA, YAMAGUCHI+ CO,S2 ..NEUTRON DIFF./ POLARIZED NEUTRON

4. 87 COPPER BROMIDE CU,BR

73-PR-03 PREVOT, CARABATOS+ CU,BR ..DISPERSION CURVE
74-PA-06 PANDEY, DAYAL CU,BR/ CU,I ..DISPERSION-CURVES
76-BU-01 BUEHRER AG,I/ CU,I/ CU,BR ..NEUTRON DIFF./ SUPERIONIC CONDUCTOR
76-HA-05 HARADA, SUZUKI+ CU,BR ..NEUTRON DIFFRACTION/ ANHARMONIC EFFECT/ DEBYE-WALLER FACTOR
76-HO-03 HOSHINO, FUJII+ CU,BR ..EXPERIMENT/ PHONON DISPERSION/ 77K

4. 88 COPPER CHLORIDE DIHYDRATE CU,CL2*2(H2,O)

69-TH-01 THAPER, SEQUEIRA+ K2,C2,O4*H2,O/ BA,(CL,O3)2*H2,O/ LI2,S,O4*H2,O/ CA,S,O4*2(H2,O)/ CU,CL2*2(H2,O)/ BE,S,O4
77-LY-01 LYNN, HELLER+ CU,CL2*2(H2,O) ..NEUTRON DIFFRACTION/ MAGNETIC STRUCTURE

4. 89 COPPER IODIDE CU,I

72-HE-02 HENNION, MOUSSA CU,I ..EXPERIMENT/ DISPERSION RELATION/ RIGID ION MODEL/ FREQUENCY DISTRIBUTION/ ELASTIC C
74-PA-06 PANDEY, DAYAL CU,BR/ CU,I ..DISPERSION-CURVES
76-BU-01 BUEHRER AG,I/ CU,I/ CU,BR ..NEUTRON DIFF./ SUPERIONIC CONDUCTOR
77-AL-01 ALBEN, BURNS SILVER IODIDE/ COPPER IODIDE ..EXPERIMENT/ HARMONIC LATTICE-DYNAMICS/ DENSITY OF STATES/ INFR
77-HA-03 HAXTON CU,I ..PHONON SPECTRA/ DISPERSION CURVE/ SECOND NEIGHBOR IONIC MODEL

4. 90 COPPER MANGANESE OXIDE CU,MN2,O4

77-RA-01 RADHAKRISHNAN, BISWAS CU,MN2,O4 ..NEUTRON DIFFRACTION/ OXYGEN PARAMETER

4. 91 COPPER SULFATE CU.S.O4

64-BO-01 BOUTIN, SAFFORD+ BA.CL2/ CHABAZITE/ ANALCITE/ CU.S.O4/ APOPHYLLITE/ WATER-BERYL ..EXPERIMENT/ TOF-SPECTRUM

4. 92 CORUNDUM AL2.O3

69-CO-07 COWLEY CALCITE/ CORUNDUM ..THEORY/ LATTICE DYNAMICS
74-CA-04 CATALIOTTI CORUNDUM ..PHONON-SPECTRUM
75-BI-01 BIALAS, STOLZ CORUNDUM ..EXPERIMENT/ PHONON DISPERSION/ SAPPHIRE
75-KA-05 KAPPUS CORUNDUM ..CALCULATION/ PHONON DISPERSION/ RIGID ION MODEL/ SAPPHIRE

4. 93 CRISTOBALITE SI.O2

69-LE-01 LEADBETTER SILICA/ QUARTZ/ CRISTOBALITE ..EXPERIMENT/ COLLECTIVE VIBRATION/ AMORPHOUS SOLID ..TOF/ SILICA/
72-LE-02 LEADBETTER, STRINGFELLOW SI.O2 ..EXPERIMENT/ VITREOUS SILICA/ ALPHA QUARTZ/ PHONON SPECTRA
74-ET-01 ETCHEPARE, MERIAN+ SI.O2 ..THEORY/ NORMAL MODE/ COMPARED TO OPTICAL DATA
75-BI-03 BILIR, PHILLIPS SI.O2 ..EXPERIMENT/ DISPERSION RELATION ..2DK-20DK/ AMORPHOUS/ SPECIFIC HEAT
77-LA-02 LAUGHLIN, COANNOPOULOS SI.O2 ..THEORY/ LATTICE VIBRATION/ AMORPHOUS SILICA/ PHONON DENSITY/ CLUSTER-BETHE-

4. 94 CUPRITE CU2.O

71-CA-03 CARABTOS, PREVOT CU2.O ..THEORY/ PHONON DISPERSION/ RIGID ION MODEL/ PHONON SPECTRUM
73-DA-01 DAWSON, HARGREAVE+ CU2.O ..I.R. AND RAMAN EXPERIMENT
76-BE-01 BEG, SHAPIRO CU2.O ..EXPERIMENT/ DISPERSION RELATION/ SOLID/ TRIPLE AXIS SPECTROMETER

4. 95 CUPROUS CHLORIDE CU.CL

71-CA-02 CARABATOS, HENNION+ CU.CL ..EXPERIMENT/ PHONON DISPERSION CURVES/ ROOM TEMP.
74-PA-05 PANDEY CU.CL ..THEORY/ SOLID/ ..RIGID ION MODEL
75-VA-02 VARDENY, GILAT+ CU.CL ..SOLID/ THEORY/ DISPERSION RELATION/ LATTICE DYNAMICS ..BREATHING SHELL MODEL/ RIGI
76-GI-03 GILLAN, LARSEN+ CU.CL/ BE.F2/ H.F ..THEORY/ LIQUID/ PAIR-DISTRIBUTION FUNCTION ..MEAN SPHERICAL MODEL/ MIX
77-PR-03 PREVOT, HENNION+ CU.CL ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL FITTING/ PHONON DENSITY

4. 96 DEUTERIUM PEROXIDE D2.O2

76-TR-01 TREVINO, FARR+ D2.O2 ..EXPERIMENT/ PHONON DISPERSION

4. 97 DICARBON HEXAFLUORIDE C2.F6

67-CA-03 CARPENTER C2.F6/ BR2 ..SCATTERING LAW/ CORRELATION FUNCTION/ THEORY/ GAS/ MOLECULAR DYNAMICS ..TORSIONAL
68-CA-02 CARPENTER, SCHAEFER BR/ C2.F6 ..SCATTERING THEORY
68-CA-03 CARPENTER, LURIE C2.F6/ C.H4 ..EXPERIMENT/ GAS/ SCATTERING FUNCTION

4. 98 DYSPROSIUM PHOSPHATE DY.P.O4

75-SH-01 SHIBUYA, KNORR DY.P.O4 ..EXPERIMENT/ SOLID ..TWO-AXIS DIFFRACTOMETER/ ISING/ ANTIFERROMAGNET/ TRICRITICAL

4. 99 DYSPROSIUM VANADATE DY.V.O4

72-ME-01 MELCHER, SCOTT DY.V.O4 ..EXPERIMENT/ ELASTIC CONSTANT/ SOFT MODE/ MEAN FIELD THEORY/ CRITICAL FLUCTUATION

4.100 ERBIUM CHROMIUM OXIDE ER.CR.O3

77-SH-01 SHAMIR, MELAMUD+ PR.CR.O3/ ND.CR.O3/ TB.CR.O3/ HO.CR.O3/ ER.CR.O3 ..EXPERIMENT/ MAGNETIC SCATTERING / R.CR

4.101 ERBIUM IRON OXIDE ER.FE.O3

4.102 EUROPIUM OXIDE EU.O

76-AL-06 ALS-NIELSEN, DIETRICH EU.O/ EU.S ..EXPERIMENT/ MAGNETIC CRITICAL SCATTERING
76-DI-01 DIETRICH, ALS-NIELSEN+ EU.O ..EXPERIMENT/ THEORY/ MAGNETIC SCATTERING/ SPIN DYNAMICS
76-PA-06 PASSELL, DIETRICH+ EU.O/ EU.S ..EXPERIMENT/ MAGNON DISPERSION

4.103 EUROPIUM SULFIDE EU.S

76-AL-06 ALS-NIELSEN, DIETRICH EU.O/ EU.S ..EXPERIMENT/ MAGNETIC CRITICAL SCATTERING
76-PA-06 PASSELL, DIETRICH+ EU.O/ EU.S ..EXPERIMENT/ MAGNON DISPERSION

4.104 GADOLINIUM MOLYBDATE

4.105 GALLIUM PHOSPHIDE GA.P

68-YA-01 YARNELL, WARREN+ GA.P ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
68-YA-02 YARNELL, WARREN+ GA.P ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ 3-AXIS SPECTROMETER/ SHELL MODE
71-BA-05 BANERJEE, VARSHNI ZN.S/ GA.P/ SI.C ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRA/ DEBYE TEMPERATURE
75-KU-04 KUNC, BALKANSKI+ ZN.S/ ZN.SE/ GA.P/ GA.AS/ IN.SB/ SI.C/ CU.CL/ CU.I ..PHONON DISPERSION/ DENSITY OF PHONON
76-KU-03 KUNC, BILZ ZN.SE/ ZN.O/ GA.P/ GA.AS/ GA.SB ..CALCULATION/ SHELL MODEL/ PHONON DISPERSION
77-WE-04 WEINSTEIN ZN.TE/ ZN.SE/ ZN.S/ SI/ GA.P ..RAMAN SPECTRA/ METALLIC PHASE TRANSITION/ PHONON DISPERSION RELA

4.106 GALLIUM PHOSPHIDE-ARSENIDE GA.(P-AS)

75-VA-03 VARSHNEY, VETELINO+ ZN.(S-SE)/ GA.(P-AS) ..THEORY/ MIXED CRYSTAL/ PHONON DISPERSION/ STATE DENSITY

4.107 GALLIUM SESQUISULFIDE GA2.S3

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   75-FI-03  FINKMAN, TAUC+     IN2,TE3/ GA2,SE3/ GA2,S3 ..INFRARED, RAMAN SPECTRA/ DEFECT STRUCTURE/ DISPERSION CURVES

4.108  GERMANIUM SULFIDE                          GE,S

   76-KR-02  KRESS, FREY+     GE,S ..EXPERIMENT/ PHONON DISPERSION

4.109  GERMANIUM TETRABROMIDE                     GE,BR4

   71-EG-02  EGELSTAFF, PAGE+     C,CL4/ GE,BR4 ..EXPERIMENT/ MOLECULAR LIQUID DYNAMICS

4.110  GERMANIUM TETRACHLORIDE                    GE,CL4

   76-CL-03  CLARKE, DORE+     C,CL4/ SI,CL4/ TI,CL4/ GE,CL4/ SN,CL4/ SI,CL4-TI,CL4/ SN,CL4-TI,CL4..LIQUID STRUCTURE/ NEUTR

4.111  HAFNIUM CARBIDE                            HF,C

   70-SM-01  SMITH, GLAESER     TA,C/ HF,C ..EXPERIMENT/ DISPERSION RELATION
   71-SM-01  SMITH, GLAESER     TA,C/ HF,C/ NB,C ..EXPERIMENT/ PHONON DISPERSION/ SUPERCONDUCTIVITY
   72-MO-02  MOSTOLLER       U,C/ HF,C/ TA,C/ NB,C ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL APPROACH
   73-WE-01  WEBER           TI,C/ ZR,C/ HF,C ..THEORY/ SOLID/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS ..SUPERCONDUCTOR/ ST
   75-VE-01  VERMA, GUPTA     TA,C/ HF,C ..THEORY/ DISPERSION RELATION/ SOLID ..THREE-BODY-FORCE SHELL MODEL/ LONG-RANGE IO
   76-GU-01  GUPTA, FREEMAN     ZR,C/ HF,C/ NB,C/ TA,C ..THEORY/ PHONON DISPERSION/ PHONON SPECTRA/ APW ENERGY BAND CALCULA
   76-GU-03  GUPTA, FREEMAN     NB,C/ TA,C/ ZR,C/ HF,C ..THEORY/ PHONON ANOMALY/ GENERALIZED SUSCEPTIBILITY
   76-KL-01  KLEIN, BOYER+     TA,C/ NB,C/ HF,C ..APW MUFFIN-TIN CALCULATION/ FERMI SURFACE/ PHONON FREQUENCY

4.112  HEAVY WATER                                D2,O

   55-JA-01  JACROT, NETTER+     GRAPHITE/ H2,O/ D2,O ..EXPERIMENT/ LIQUID/ SOLID
   58-BR-02  BROCKHOUSE      H2,O/ D2,O ..EXPERIMENT
   59-BR-04  BROCKHOUSE      H2,O/ D2,O ..SCATTERING LAW/ EXPERIMENT ..QUASI ELASTIC SCATTERING/ ICE, 6DC, 24,5DC, 42DC, 60D
   60-LA-01  LARSSON, HOLMRYD+     H2,O/ D2,O ..EXPERIMENT/ FREQUENCY DISTRIBUTION ..LIQUID DYNAMICS
   61-EG-01  EGELSTAFF, COCKING+     H2,O/ D2,O/ PB ..EXPERIMENT/ LIQUID/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION
   61-GI-01  GISSLER, REINSCH+     D2,O ..EXPERIMENT/ THEORY/ SIGMA(E) ..4DK/ 77DK
   61-LA-01  LARSSON, HOLMRYD+     H2,O/ D2,O ..EXPERIMENT
   61-MI-01  MIKKE           H2,O/ D2,O ..EXPERIMENT
   61-WH-01  WHITTEMORE, MCREYNOLDS     H2,O/ D2,O ..EXPERIMENT
   61-WO-01  WOODS, BROCKHOUSE+     GRAPHITE/ H2,O/ D2,O/ ZR-H/ LI,H/ NA,H/ N,H4,CL ..EXPERIMENT/ CRYSTAL SPECTROMETER/ FRE
   62-BR-02  BRUGGER         METHANE/ H2,O/ D2,O/ PROPANE ..THEORY/ EXPERIMENT/ SCATTERING FUNCTION
   62-BR-04  BRUGGER         BE/ BE,O/ GRAPHITE/ H2,O/ D2,O/ METHANE/ PROPANE/ TERPHENYL/ COMPILATIONS ..SCATTERING FUNCTION
   62-EG-04  EGELSTAFF       H2,O/ D2,O/ GRAPHITE/ BE ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ THEORY ..EVALUATION
   62-HA-01  HAYWOOD, THORSON     D2,O/ H2,O ..EXPERIMENT/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION ..20DC/ 150DC
   62-HO-01  HONECK          D2,O ..SIGMA(E) ..CALCULATION
   62-LA-01  LARSSON, DAHLBORG     H2,O/ D2,O ..EXPERIMENT/ LIQUID DYNAMICS ..10DC TO 95DC
   63-BU-01  BUTLER          D2,O ..LIQUID/ THEORY/ SIGMA (E)
   63-BU-02  BUTLER          D2,O ..LIQUID/ THEORY/ SCATTERING LAW
   63-GI-02  GISSLER         D2,O ..THEORY/ EXPERIMENT/ SIGMA(E) ..4DK/ 77DK
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63-LA-01  LARSSON, DAHLBORG      D2.O/ GLYCELINE/ H2.O ..EXPERIMENT/ LIQUID/ FREQUENCY DISTRIBUTION/ TOF ..278, 295, 368,
64-DA-01  DAHLBORG, GROSSHOEG+      H2.O/ D2.O
64-HA-01  HAYWOOD         D2.O ..LIQUID/ EXPERIMENT/ SCATTERING LAW
64-LA-01  LARSSON, DAHLBORG      H2.O/ D2.O/ PENTANE/ GLYCELINE ..EXPERIMENT/ LIQUID/ FREQUENCY DISTRIBUTION
64-MA-03  MATEESCU, TEUTSH+      D2.O ..LIQUID/ SOLID/ EXPERIMENT/ FREQUENCY DISTRIBUTION / SIGMA (E,E-PRIME,THETA)/ DIFF
64-SP-01  SPRINGER, HOFMYER+      H2.O/ D2.O/ PHENYL/ ZR-H ,.EXPERIMENT/ LIQUID/ DIFFUSION PARAMETER ..AVE-MU
64-ST-01  STEHN, GOLDBERG+      H/ D/ H2.O/ D2.O/ HE/ LI/ BE/ GRAPHITE/ N/ O/ NE/ NA/ MG/ AL/ SI/ AR/ K/ COMPILATIONS ..S
64-TE-01  TEUTSCH, MATEESCU+      H2.O/ D2.O ..LIQUID/ EXPERIMENT/ NEUTRON SCATTERING
65-BE-01  BEYSTER, KOPPEL      D2.O/ H2.O/ POLYETHYLENE/ BE ..THEORY/ EXPERIMENT/ LIQUID/ SOLID/ CROSS SECTION EVALUATION
65-BE-02  BEYSTER, YOUNG+      H2.O/ D2.O/ ZR-H ..EXPERIMENT/ DIFFUSION PARAMETER ..AVE-MU
65-KO-01  KOPPEL, YOUNG      D2.O ..LIQUID/ THEORY/ SIGMA (E)/ SIGMA (THETA,E)/ SCATTERING LAW/ NEUTRON SPECTRUM
65-KO-02  KORNBICHLER      D2.O/ ZR-H ..EXPERIMENT/ LIQUID/ DIFFUSION PARAMETER
65-YO-01  YOUNG, KOPPEL      BE/ C/ H2.O/ D2.O/ C.H2/ H2/ D2 ,.THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATION
66-AN-03  ANTUNEZ, BEYSTER+      BE.O/ H2.O/ D2.O/ ZR-H ..EXPERIMENT/ THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
66-BE-06  BEYSTER, NEILL+      H2.O/ D2.O/ ZR-H/ GRAPHITE/ BE.O ..NEUTRON SPECTRUM/ COMPILATION/ LIQUID/ GAS
66-MC-02  MCMURRY         D2.O ..THEORY/ LIQUID/ MOLECULAR DYNAMICS/ FREQUENCY SPECTRUM / SIGMA(E)/ SIGMA-TRANSPORT(E)/ S
66-SU-01  SUICH           D2.O ..NEUTRON SPECTRUM
66-WH-02  WHITTEMORE      D2.O/ GRAPHITE ..EXPERIMENT/ SCATTERING FUNCTION ..24DC
66-WO-01  WORDEN, PURCELL+      H2.O/ D2.O/ GRAPHITE ..NEUTRON SPECTRUM/ SIGMA(E,E-PRIME)
67-GL-01  GLAESER         REVIEW-ARTICLES/ H2.O/ ZR-H/ GRAPHITE/ D2.O/ BE/ BE.O ..INCOHERENT APPROXIMATION/ MUTIPLE SCATT
67-KA-01  KADOTANI, IIJIMA      D2.O ..THEORY/ PHONON SPECTRUM/ SCATTERING FUNCTION/ 295,423DK
67-MC-01  MCMURRY         H2.O/ D2.O ..SIGMA(E,E-PRIME)/ COMPILATION
67-WH-01  WHITTEMORE      D2.O/ H/ GRAPHITE ..CROSS SECTION EVALUATION/ LIQUID/ SOLID/ EXPERIMENT/ SCATTERING FUNCTION
68-GL-01  GLAESER         H2.O/ ZR-H/ GRAPHITE/ D2.O/ BE/ BE.O ..COMPILATION/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
68-GL-02  GLAESER         H2.O/ D2.O/ ZR-H/ GRAPHITE/ BE/ BE.O ..SCATTERING FUNCTION/ DIFFUSION PARAMETER/ COMPILATION
68-HA-01  HARLING         D2.O ,.SCATTERING FUNCTION/ LIQUID/ FREQUENCY DISTRIBUTION/ EXPERIMENT ..ROOM TEMP.
68-HA-02  HARLING         H2.O/ D2.O ..EXPERIMENT/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION ..EPITHERMAL NEUTRONS
68-HA-03  HARLING         H2.O/ D2.O ..EXPERIMENT/ TOF/ DIFFERENTIAL CROSS SECTION/ SPECTRAL DENSITY ,.299DK/ 268DK
68-HA-06  HAYWOOD, PAGE      H2.O/ D2.O ..EXPERIMENT/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION
68-PA-01  PAGE, HAYWOOD      H2.O/ D2.O/ GRAPHITE/ BE/ BE.O ..COMPILATION/ LIQUID/ SOLID/ FREQUENCY DISTRIBUTION ..AT VAR
68-PA-03  PAGE            H2.O/ D2.O ..EXPERIMENT/ SCATTERING FUNCTION/ COMPILATION ..MIXTURE OF H2.O AND D2.O/ 0-0.13EV/
68-PA-05  PARKS, PELLARIN+      H2.O/ D2.O ..EXPERIMENT/ DIFFUSION PARAMETER
68-WH-02  WHITTEMORE      D2.O ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT/ LIQUID ..300DK/ INCIDENT NEUTRO
69-BU-02  BUTLAND, CHUDLEY      HEAVY WATER ..TOTAL CROSS SECTION/ DIFFUSION COEFFICIENT
71-GH-01  GHEORGHE, RAPEANU+      D2.O ..SCATTERING LAW / COMPUTER CODE
71-GO-02  GOTOH, TAKAHSHI      H2.O/ D2.O ..FREQUENCY DISTRIBUTION/ SCATTERING LAW
71-PA-01  PAGE, POWLES      D2.O ..NEUTRON DIFFRACTION/ X-RAY/ STRUCTURE FACTOR/ MOLECULAR ORIENTATION
71-RE-02  RENKAR          D2.O ,.EXPERIMENT/ ICE/ HEXAGONAL/ PHONON DISPERSION
71-RE-03  RENKER          D2.O ..LATTICE DYNAMICS/ SOLID/ THEORY/ EXPERIMENT/ BORN-VON KARMAN MODEL/ DISPERSION RELATION/
72-LE-03  LEE, JONAS      D2.O ..VISCOSITY/ DENCITY
72-NA-05  NARTEN          H2.O/ D2.O ..PAIR CORRELATION/ EXPERIMENT
72-PO-04  POWLES, DORE+      H2.O/ D2.O ..EXPERIMENT/ STRUCTURE FACTOR/ H2.O-D2.O MIXTURE/ ISOTOPIC SUBSTITUTION
72-PR-04  PRASK, TREVINO+      H2.O/ D2.O ..THEORY/ EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY RELATION/ DISPERSION RELATION
72-SH-04  SHAWYER, DEAN      H2.O/ D2.O ..THEORY/ SOLID/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION ..ICE/ DISORDERED SYSTE
76-CL-01  CLARKE, DORE+      D2.O ..EXPERIMENT/ LIQUID STRUCTURE
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4.113 HEXAMMINECOBALT IODIDE CO.(N.H3)6.I2

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69-JA-02  JANIK, JAKOB+      CO.(N.H3)6.I2/ NI.(N.H3)6.I2 ..EXPERIMENT/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION
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4.114 HEXAMMINENICKEL CHLORATE (NI.(N.H3)6).(CL.O4)

77-JA-05 JANIK, JANIK+ (NI.(N.H3)6).(CL.O4)2 ..INCOHERENT SCATTERING/ N.H3-REORIENTATION MOTION

4.115 HEXAMMINENICKEL CHLORIDE NI.(N.H3)6.CL2

76-BA-06 BATES, CRICK+ NI.(N.H3)6.CL2/ NI.(N.H3)6.I2 ..THEORY/ PHONON DISPERSION/ MULTIPOLE-MULTIPOLE FORCE CONSTAN

4.116 HEXAMMINENICKEL IODIDE NI.(N.H3)6.I2

69-JA-02 JANIK, JAKOB+ CO.(N.H3)6.I2/ NI.(N.H3)6.I2 ..EXPERIMENT/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION
76-BA-06 BATES, CRICK+ NI.(N.H3)6.CL2/ NI.(N.H3)6.I2 ..THEORY/ PHONON DISPERSION/ MULTIPOLE-MULTIPOLE FORCE CONSTAN

4.117 HOLMIUM CHROMIUM OXIDE HO.CR.O3

77-SH-01 SHAMIR, MELAMUD+ PR.CR.O3/ ND.CR.O3/ TB.CR.O3/ HO.CR.O3/ ER.CR.O3 ..EXPERIMENT/ MAGNETIC SCATTERING / R.CR

4.118 HYDROGEN BROMIDE H.BR

65-BO-04 BOUTIN, SAFFORD H.F/ H.CL/ H.BR ..EXPERIMENT/ LATTICE VIBRATION/ TOF SPECTRUM

4.119 HYDROGEN CHLORIDE H.CL

65-BO-04 BOUTIN, SAFFORD H.F/ H.CL/ H.BR ..EXPERIMENT/ LATTICE VIBRATION/ TOF SPECTRUM
66-AG-01 AGRAWAL, YIP C.H4/ H.CL/ N.H3 ..GAS/ THEORY/ CORRELATION FUNCTION ..INCOHERENT/ INTERMEDIATE SCATTERING FU
68-AG-03 AGRAWAL, YIP+ H.CL ..THEORY/ ROTATIONAL TIME CORRELATION FUNCTION
68-O--01 O-REILLY C.CL4/ C.H.CL3/ C6.H5.CL/ H.F/ H.CL/ N.H3/ H2.O ..CORRELAION FUNCTION/ MOLECULAR ROTAIONS/ LIQU
68-SU-03 SUMMERFIELD, ZWEIFEL H.CL/ H.F ..SCATTERING THEORY
68-TR-02 TREVINO, PRASK+ H2.O/ H.CL ..THEORY/ LATTICE DYNAMICS ..HARMONIC SOLIDS
71-LU-01 LURIE, CARPENTER H.CL ..EXPERIMENT/ THEORY/ GAS STATE/ SCATTERING SIGMA
71-NI-07 NISHIGORI, SEKIYA NEUTRON-SCATTERING-IN-FLUIDS/ H.CL ..THEORY/ SCATTERING SIGMA/ GAS
73-NI-03 NIIMURA, FUJII+ H.CL ..EXPERIMENT/ D.CL/ MOLECULAR LIBRATION/ MEAN SQUARE ANGULAR DISPLACEMENT
74-GR-02 GROUT, LEECH H.CL ..DISPERSION-CURVES/ THEORY
74-GU-02 GUSSONI, ZERBI H.CL ..THEORY/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..F-G MATRIX METHOD
75-GR-02 GROUT, LEECH H.CL ..THEORY/ GROUP THEORETICAL/ LATTICE DYNAMICS
75-HA-02 HARADA, FUJII+ H.CL ..EXPERIMENT/ SOLID/ DISPERSION RELATION/ BORN-VON-KARMAN MODEL/ TRIPLE-AXIS-SPECTROME

4.120 HYDROGEN CYANIDE H.C.N

72-RA-01 RAE H.C.N ..CALCULATION/ PHONON DISPERSION/ FREQUENCY SPECTRUM/ PHASE CHANGE/ SOFT PHONON
75-DI-04 DIETRICH, MACKENZIE+ H.C.N ..EXPERIMENT/ PHASE TRANSITION/ PHONON SOFTENING

4.121 HYDROGEN FLUORIDE H.F

63-BO-02 BOUTIN, SAFFORD H.F/ K.H.F2/ K.H2.F3/ NA.H2.F3 ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS

65-BO-04 BOUTIN, SAFFORD H.F/ H.CL/ H.BR ..EXPERIMENT/ LATTICE VIBRATION/ TOF SPECTRUM
67-KI-05 KITTELBERGER, HORNIG H.F ..EXPERIMENT/ LATTICE DYNAMICS ..INFRARED EXPERIMENT
68-O--01 O-REILLY C.CL4/ C.H.CL3/ C6.H5.CL/ H.F/ H.CL/ N.H3/ H2.O ..CORRELAION FUNCTION/ MOLECULAR ROTAIONS/ LIQU
68-SU-03 SUMMERFIELD, ZWEIFEL H.CL/ H.F ..SCATTERING THEORY
69-AX-02 AXMANN, BIEM+ H.F ..EXPERIMENT/ CALCULATION/ LATTICE DYNAMICS/ DISPERSION CURVE/ FREQUENCY SPECTRA
69-RI-02 RING, EGELSTAFF H.F ..SCATTERING FUNCTION
76-GI-03 GILLAN, LARSEN+ CU.CL/ BE.F2/ H.F ..THEORY/ LIQUID/ PAIR-DISTRIBUTION FUNCTION ..MEAN SPHERICAL MODEL/ MIX

4.122 HYDROGEN SULFIDE H2.S

63-JA-02 JANIK, JANIK+ C.H4/ N.H3/ H2.S/ H2.O ..SIGMA(E)/ EXPERIMENT/ LIQUID
63-RZ-01 RZANY, SCIESINSKI H2.S ..EXPERIMENT/ TOTAL CROSS SECTION
65-ST-07 STRONG, HARKER+ AMMONIA/ HYDROGEN SULFIDE ..EXPERIMENT/ GAS/ CROSS SECTION EVALUATION ..MTR-PHASE-CHOPPER

4.123 HYDRONIUM NITRATE H3.O.N.O3

68-JA-02 JANIK C.H4/ H2.O/ N.H3/ LI2.S.O4.H2.O/ H3.O.N.O3/ C.H3.I ..EXPERIMENT/ GAS/ LIQUID/ SOLID/ MOLECULAR

4.124 INDIUM PHOSPHIDE IN.P

75-BO-02 BORCHERDS, ALFLEY+ IN.P ..SOLID/ EXPERIMENT/ DISPERSION RELATION

4.125 IRON BROMIDE FE.BR2

75-YE-01 YELON, VETTIER FE.BR2 ..EXPERIMENT/ THEORY ..MAGNETIC SCATTERING/ SPIN WAVE SPECTRUM/ ANISOTRPY FIELD/ 2DK

4.126 IRON CHLORIDE FE.CL2

74-YE-01 YELON, SCHERM FE.CL2 ..EXPERIMENT/ PHONON DISPERSION
76-PA-07 PASTERNAK FE.CL2 ..THEORY/ PHONON DISPERSION/ STATIC-DISPLACED-SHELL MODEL
76-ZI-01 ZIEBECK, HOUMANN FE.CL2 ..EXPERIMENT/ PHONON-MAGNON DISPERSION

4.127 IRON FLUORIDE FE.F2

72-LO-01 LOVESEY FE.F2 ..THEORY
72-RA-03 RAINFORD, HOUMANN+ FE.F2 ..EXPERIMENT/ PHONON AND MAGNON DISPERSION/ MAGNON-PHONON INTERACTION

4.128 IRON HYDROGEN CARBONYL H2.FE.(C.O)4

72-WH-03 WHITE, WRIGHT H.CO.(C.O)4/ H2.FE.(C.O)4/ H.MN.(C.O)5/ K.H.FE.(C.O)4/ H3.MN3.(C.O)12/ CS.H.FE3.(C.O)11 ..EX

4.129 IRON-LITHIUM OXIDE (FE-LI).O4

76-RA-02 RAKHECHA, RAO+ (FE-LI).O4 ..EXPERIMENT/ MAGNON DISPERSION

4.130 IRON-MOLIBDENUM BORIC PHOSPHIDE (FE-MO),B.P

77-AX-01 AXE, SHIRANE+ (FE-MO).B.P ..EXPERIMENT/ MAGNETIC SCATTERING/ MAGNON/ AMORPHOUS FERROMAGNET

4.131 IRON SESQUIOXIDE FE2.O3

70-SA-03 SAMUELSEN, SHIRANE FE2.O3 ..EXPERIMENT/ SPIN WAVE DISPERSION/ 240, 290DK/ PARAMETE FITTING/ MAGNON DENSITY

4.132 KCP K2.PT.(C,N)4.BR0.3

73-CO-02 COMES, LAMBERT+ KCP ..X-RAY DIFFUSE SCATTERING/ ONE-DIMENSIONAL CONDUCTOR/ PHASE TRANSITION
73-CO-03 COMES, LAMBERT+ KCP ..EXPERIMENT/ X-RAY DIFFRACTION/ A LINEAR SUPERLATTICE DISTORTION
73-RE-03 RENKER, RIETSCHEL+ KCP ..EXPERIMENT/ LONGITUDINAL ACOUSTIC PHONON/ DISPERSION/ KOHN ANOMALY
73-ZE-01 ZELLER REVIEW-ARTICLES/ KCP/ TTF-TCNQ ..ONE-DIMENSIONAL CONDUCTOR/ KOHN-PEIERLS INSTABILITY
74-GL-01 GLAESER REVIEW-ARTICLES/ KCP/ TTF-TCNQ ..ONE-DIMENSIONAL CONDUCTOR/ KOHN-PEIERLS INSTABILITY
74-RE-01 RENKER, PINTSCHOVIUS+ KCP ..EXPERIMENT/ CRITICAL SCATTERING/ BELOW 220K
75-CO-01 COMES, RENKER+ KCP ..EXPERIMENT/ LONGITUDINAL ACOUSTIC DISPERSION/ C-DIRECTION/ ROOM TEMPERATURE, 60K
75-CO-02 COMES, RENKER+ KCP ..EXPERIMENT/ INELASTIC NEUTRON SCATTERING/ DISPERSION RELATION ..KOHN ANOMALY
75-EA-01 EAGEN, WERNER+ KCP ..EXPERIMENT/ DIFFRACTION/ DEUTRATED KCP/ CHARGE-DENSITY-WAVE IN ELECTRON GAS
75-LY-01 LYNN, IIZUMI+ KCP ..EXPERIMENT/ SOLID/ KOHN EFFECT/ DISPERSION RELATION ..TRIPLE AXIS TECHNIIQUE/ ONE-DIME
76-CA-05 CARNEIRO, SHIRANE+ KCP ..EXPERIMENT/ PHONON DISPERSION/ ONE-DIMENSIONAL CONDUCTOR
76-PI-01 PINTSCHOVIUS, RENKER+ KCP ..EXPERIMENT/ DYNAMICAL STRUCTURE FACTOR/ 60-300DK
78-CA-01 CARNEIRO, SHIRANE+ KCP ..EXPERIMENT/ PHONON DISPERSION/ 2KF ANOMALY

4.133 K(DEF)TCP K1.75.PT.(C,N)4*1.5(

76-CA-08 CAVEIRO, ECKERT+ K1.75.PT.(C,N)4*1.5(..DISPESION RELATION/ EXPERIMENT

4.134 LANTHANUM ALUMINATE LA.AL.O3

69-AX-01 AXE, SHIRANE+ LA.AL.O3 ..EXPERIMENT/ PHONON DISPERSION/ PHASE TRANSITION/ PHONON INSTABILITY
74-AX-03 AXE, SHAPIRO+ NB3.SN/ SR.TI.O3/ K.MN.F3/ LA.AL.O3 ..EXPERIMENT/ SOFT MODE/ CENTRAL PEAK PROBLEM

4.135 LANTHANUM CHLORIDE LA.CL3

65-CA-01 CASPERS, MURPHY+ LA.CL3 ..LATTICE DYNAMICS
69-SA-03 SAFFORD, LEUNG+ H2,O/ LA,CL3/ CS.I/ CS.CL/ K.I/ K.BR/ K.CL/ NA.CL ..EXPERIMENT/ TOF SPECTRA/ INTERMOLECULA

4.136 LANTHANUM TRIFLUORIDE LA.F3

68-RA-07 RAST, CASPERS+ LA.F3 ..EXPERIMENT ..4.2DK/ 77DK/ 373DK/ INFRARED REFLECTION/ KRAMERS-KRONIG METHOD

4.137 LEAD DIIODIDE PB.I2

76-DO-01 DORNER, GHOSH+ PB,I2 ..EXPERIMENT/ DISPERSION RELATION/ TRIPLE AXIS SPECTROMETER
76-VA-01 VANDERVALK PB,I2 ..STATIC DIELECTRIC CONSTANT
77-VA-01 VAN-DER-VALK, HAAS PB,I2/ CD,I2/ SN,S2/ SN,SE2 ..THEORY/ SOLID/ LATTICE DYNAMICS ..POLARISABLE ION MODEL
77-WA-02 WAKABAYASHI MO,S2/ GRAPHITE/ NB,S2/ PB,I2 ..THEORY/ PHONON DISPERSION/ LAYERER STRUCTURES

4.138 LEAD FLUORIDE PB,F2

70-DE-03 DENHAM, FIELD+ CA,F2/ SR,F2/ BA,F2/ CD,F2/ PB,F2 ..THEORY/ LATTICE DYNAMICS/ FREQUENCY SPECTRA/ DISPERSION
76-SH-03 SHAPIRO BA,F2/ PB,F2/ AG,I ..EXPERIMENT/ STRUCTURE ANALYSIS/ PHONON DISPERSION/ DIFFUSIVE MOTION

4.139 LEAD GERMANATE PB5,GE3,O11

77-IW-01 IWATA PB5,GE3,O11 ..NEUTRON DIFFRACTION/ 200C

4.140 LEAD METATITANATE PB,TI,O3

66-SO-01 SOLOVEV, KUKHTO+ SR,TI,O3/ BA,TI,O3/ PB,TI,O3 ..EXPERIMENT/ LATTICE VIBRATION ..POLYCRYSTAL/ ROOM TEMP/ 47
70-SH-07 SHIRANE, AXE PB,TI,O3 ..EXPERIMENT/ DISPERSION RELATION/ FERROELECTRICITY

4.141 LEAD MOLYBDENUM SULFIDE PB,MO6,S8

76-BA-01 BADER, SINHA+ SN,MO6,S8/ PB,MO6,S8/ MO6,S8 ..EXPERIMENT/ PHONON SPECTRA/ MOLECULAR-CRYSTAL
76-BA-02 BADER, KNAPP+ LEAD MOLYBDENUM SULFIDE/ TIN MOLYBDENUM SULFIDE ..HEAT CAPACITY/ PHONON SPECTRA/ SUPERCONDUC
76-SI-04 SINHA, BADAR+ SN,MO6,S8/ PB,MO6,S8/ MO,SE8 ..EXPERIMENT/ PHONON SPECTRA

4.142 LEAD PHOSPHATE PB3,(P,O4)2

77-JO-01 JOFFRIN, LAMBERT+ PB3,(P,O4)2 ..EXPERIMENT/ QUASI-ELASTIC PEAK/ DISPERSION RELATION ..(P,O4)2,PB3/ 3-AXIS

4.143 LEAD SULFIDE PB,S

67-EL-02 ELCOMBE PB,S ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVE/ MODEL FITTING/ FREQUENCY SPECTRUM

4.144 LEAD-TIN TELLURIDE (PB-SN),TE

76-DA-04 DAUGHTON, GUERMEN+ (PB-SN),TE ..EXPERIMENT/ PHONON DISPERSION

4.145 LEAD ZIRCONATE PB,ZR,O3

70-ZE-01 ZEIN, ZINENKO+ SR,TI,O3/ PB,ZR,O3 ..THEORY/ LATTICE DYNAMICS/ FERROELECTRICITY/ PHASE TRANSITION

4.146 LIGHT WATER H2,O

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40-DA-01  DARLING, DENNISON      H2.O ..THEORY/ MOLECULAR DYNAMICS
41-SA-01  SACHS, TELLER      NEUTRON-SCATTERING-IN-FLUIDS/ H2/ C,H4/ N.H3/ H2.O ..SCATTERING THEORY ..MOLECULAR GASES
54-FO-01  FORSLIND        H2.O ..THEORY/ SOLID/ BORN-VON KARMAN MODEL/ CENTRAL FORCE MODEL/ DISPERSION RELATION/ HARMONIC
55-JA-01  JACROT, NETTER+      GRAPHITE/ H2.O/ D2.O ..EXPERIMENT/ LIQUID/ SOLID
57-KR-01  KRIEGER, NELKIN      NEUTRON-SCATTERING-IN-FLUIDS/ C.H2/ H2.O ..SCATTERING THEORY ..MOLECULE
58-BR-02  BROCKHOUSE      H2.O/ D2.O ..EXPERIMENT
58-MC-01  MCREYNOLS, NELKIN+      H2.O/ POLYETHYLENE/ ZR-H/ MG-H/ GRAPHITE ..EXPERIMENT/ THEORY/ LIQUID/ SOLID
59-BR-04  BROCKHOUSE      H2.O/ D2.O ..SCATTERING LAW/ EXPERIMENT ..QUASI ELASTIC SCATTERING/ ICE, 6DC, 24.5DC, 42DC, 60D
59-HU-01  HUGHES, PALEVSKY+      H2.O ..LIQUID/ EXPERIMENT ..BE-FILTER-TOF
60-CR-01  CRIBIER, JACROT      H2.O ..EXPERIMENT/ LIQUID/ DISPERSION RELATION/ DIFFUSION PARAMETER
60-HU-01  HUGHES, PALEVSKY+      H2.O ..SIGMA(E,E-PRIME,THETA)
60-KH-01  KHUBCHANDANI, RAHMAN      H2.O ..THEORY/ ELASTIC SCATTERING CROSS SECTION ..RIGID ASYMMETRIC ROTOR MODEL
60-LA-01  LARSSON, HOLMRYD+      H2.O/ D2.O ..EXPERIMENT/ FREQUENCY DISTRIBUTION ..LIQUID DYNAMICS
60-NE-02  NELKIN          NEUTRON-SCATTERING-IN-FLUIDS/ H2.O ..THEORY/ MOLECULAR DYNAMICS ..DIFFERENTIAL AND TOTAL CROSS
60-SI-01  SINGWI, SJOELANDER      H2.O ..THEORY/ MOLECULAR DYNAMICS ..LIQUID DYNAMICS/ QUASI-CRYSTALLINE MODEL
61-BR-03  BRUGGER         ZR-H/ H2.O/ BENZENE/ PARAFFINE/ ALCOHOL ..SIGMA (E,E-PRIME,THETA)/ EXPERIMENT/ LIQUIDS/ TOF
61-CR-02  CRIBIER, JACROT      H2.O ..EXPERIMENT ..QUASI ELASTIC SCATTERING/ 27DC/ 43DC
61-EG-01  EGELSTAFF, COCKING+      H2.O/ D2.O/ PB ..EXPERIMENT/ LIQUID/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION
61-HE-01  HEINLOTH, SPRINGER      H2.O ..SIGMA(E)/ EXPERIMENT ..-150DC-+200DC
61-HE-02  HEINLOTH        H2.O/ C6.H6/ C.H2.O2 ..SIGMA(E)/ EXPERIMENT/ GAS/ LIQUID/ SOLID/ KRIEGER-NELKIN MODEL ..TRANSMI
61-LA-01  LARSSON, HOLMRYD+      H2.O/ D2.O ..EXPERIMENT
61-MI-01  MIKKE           H2.O/ D2.O ..EXPERIMENT
61-PA-01  PALEVSKY        H2.O/ PB/ SN ..EXPERIMENT/ LIQUID ..ROOM TEMP., 45DC FOR H2.O/ 462DC FOR PB/ 350DC FOR SN/ BE-F
61-SP-01  SPRINGER        H2.O ..THEORY/ EXPERIMENT/ SOLID/ LIQUID/ GAS/ SIGMA (E)/ SIGMA (THETA)/ FREQUENCY SPECTRUM
61-SP-02  SPRINGER, WIEDMAN      H2.O ..EXPERIMENT/ SIGMA(E) ..ICE
61-ST-01  STILLER, DANNER      H2.O ..EXPERIMENT/ SIGMA(THETA,E)
61-WH-01  WHITTEMORE, MCREYNOLDS      H2.O/ D2.O ..EXPERIMENT
61-WO-01  WOODS, BROCKHOUSE+      GRAPHITE/ H2.O/ D2.O/ ZR-H/ LI.H/ NA.H/ N.H4.CL ..EXPERIMENT/ CRYSTAL SPECTROMETER/ FRE
62-BR-02  BRUGGER         METHANE/ H2.O/ D2.O/ PROPANE ..THEORY/ EXPERIMENT/ SCATTERING FUNCTION
62-BR-04  BRUGGER         BE/ BE.O/ GRAPHITE/ H2.O/ D2.O/ METHANE/ PROPANE/ TERPHENYL/ COMPILATIONS ..SCATTERING FUNCTION
62-EG-01  EGELSTAFF       NEUTRON-SCATTERING-IN-FLUIDS/ H2.O ..THEORY/ LIQUID ..LIQUID DYNAMICS
62-EG-03  EGELSTAFF, SCHOFIELD      SCATTERING-THEORIES/ H2.O/ PB ..EXPERIMENT/ THEORY/ LIQUID/ DIFFUSION PARAMETER ..ROO
62-EG-04  EGELSTAFF       H2.O/ D2.O/ GRAPHITE/ BE ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ THEORY ..EVALUATION
62-GO-01  GOESSMAN        H2.O ..THEORY/ CROSS SECTION EVALUATION
62-HA-01  HAYWOOD, THORSON      D2.O/ H2.O ..EXPERIMENT/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION ..20DC/ 150DC
62-LA-01  LARSSON, DAHLBORG      H2.O/ D2.O ..EXPERIMENT/ LIQUID DYNAMICS ..10DC TO 95DC
62-LA-02  LARSSON, SINGWI      H2.O ..LIQUID/ DIFFUSIVE MOTION/ THEORY
62-LI-02  LINDENMEIER      H2.O ..THEORY/ CROSS SECTION EVALUATION
62-NE-01  NEMETHY, SCHRAGA      H2.O ..THEORY/ MOLECULAR DYNAMICS ..LIQUID DYNAMICS
62-RO-01  ROSENBAUM, ZWEIFEL      H2.O ..THEORY ..DIFFERENTIAL SCATTERING CROSS SECTION/ 295DK
62-SA-01  SAKAMOTO, BROCKHOUSE+      H2.O ..EXPERIMENT/ LIQUID/ SCATTERING FUNCTION ..25DC/ 75DC/ QUESI-ELASTIC SCATTERIN
62-SC-02  SCHOFIELD       H2.O/ GRAPHITE ..THEORY/ COMPILATION
63-BA-01  BAJORIK, GOLIKOV+      H2.O
63-BR-02  BROCKHOUSE, BERGSMA+      SN/ H2.O/ AR/ HE ..EXPERIMENT/ LIQUID
63-EG-01  EGELSTAFF, HAYWOOD+      H2.O ..EXPERIMENT ..150DC, 295DK, 425DK
63-GO-02  GOLDMAN, FEDERIGHI      H2.O/ POLYETHYLENE ..CROSS SECTION EVALUATION
63-JA-02  JANIK, JANIK+      C.H4/ N.H3/ H2.S/ H2.O ..SIGMA(E)/ EXPERIMENT/ LIQUID
63-KO-02  KOTTWITS, LEONARD-JR+      H2.O ..EXPERIMENT/ LIQUIDS ..22DC
63-KO-03  KOTTWITZ, LEONARD-JR      H2.O ..EXPERIMENT/ FREQUENCY DISTRIBUTION
63-LA-01  LARSSON, DAHLBORG      D2.O/ GLYCELINE/ H2.O ..EXPERIMENT/ LIQUID/ FREQUENCY DISTRIBUTION/ TOF ..278, 295, 368,
63-LI-01  LINDENMEIER, MATSUMOTO+      H2.O/ POLYETHYLENE/ COMPUTER-CODES ..SCATTERING THEORY/ LIQUID/ SIGMA(E,E-PRIME,TH
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63-SI-03  SINGWI, SJOELANDER+      NEUTRON-SCATTERING-IN-FLUIDS/ H2.O/ PB ..THEORY/ LIQUID/ FREQUENCY DISTRIBUTION/ SCATT
63-YI-01  YIP, OSBORN      H2.O ..THEORY/ MOLECULAR DYNAMICS/ SIGMA(E,E-PRIME,THETA)
63-YI-02  YIP, OSBORN      H2.O ..THEORY/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION ..SMALL ENERGY TRANSFER REGION
64-BO-02  BOUTIN, PRASK      H2.O/ WATER-SILICA/ WATER-ALUMINA/ AL.CL3 ..EXPERIMENT/ MOLECULAR DYNAMICS ..H2.O VAPOR ADSO
64-DA-01  DAHLBORG, GROSSHOEG+      H2.O/ D2.O
64-KO-02  KOPPEL, YOUNG      H2.O ..THEORY/ MOLECULAR DYNAMICS ..SCATTERING KERNEL/ ANISOTROPIC MODEL
64-LA-01  LARSSON, DAHLBORG      H2.O/ D2.O/ PENTANE/ GLYCELINE ..EXPERIMENT/ LIQUID/ FREQUENCY DISTRIBUTION
64-MC-01  MCMURRY, GANNON      COMPUTER-CODES/ H2.O ..THEORY/ SCATTERING LAW/ SIGMA(E)/ SIGMA(E,E-PRIME)/ SIGMA-TRANSPORT
64-MO-01  MOSTOVOY, DIKAREV+      H2.O/ BIPHENYL ..FREQUENCY SPECTRUM/ EXPERIMENT
64-PA-01  PAGE      H2.O ..EXPERIMENT/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION ..550DK/ 1200 PSI
64-SP-01  SPRINGER, HOFMYER+      H2.O/ D2.O/ PHENYL/ ZR-H ..EXPERIMENT/ LIQUID/ DIFFUSION PARAMETER ..AVE-MU
64-ST-01  STEHN, GOLDBERG+      H/ D/ H2.O/ D2.O/ HE/ LI/ BE/ GRAPHITE/ N/ O/ NE/ NA/ MG/ AL/ SI/ AR/ K/ COMPILATIONS ..S
64-TE-01  TEUTSCH, MATEESCU+      H2.O/ D2.O ..LIQUID/ EXPERIMENT/ NEUTRON SCATTERING
64-YO-03  YOUNG, HUFFMAN      H2.O ..EXPERIMENT/ LIQUID/ NEUTRON SPECTRUM/ THEORY
65-BE-01  BEYSTER, KOPPEL      D2.O/ H2.O/ POLYETHYLENE/ BE ..THEORY/ EXPERIMENT/ LIQUID/ SOLID/ CROSS SECTION EVALUATION
65-BE-02  BEYSTER, YOUNG+      H2.O/ D2.O/ ZR-H ..EXPERIMENT/ DIFFUSION PARAMETER ..AVE-MU
65-BO-05  BOUTIN, PRASK+      H2.O ..TOF
65-GL-03  GLAESER, EHRET+      C6.H6/ H2.O/ ZR-H ..SCATTERING LAW/ FREQUENCY DISTRIBUTION/ EXPERIMENT/ LIQUID ..20DC FOR
65-GO-01  GOLIKOV, ZHOKORSKJA+      C2.H5.O2/ H2.O/ C2.H4.O2/ C6.H6 ..EXPERIMENT/ LIQUID/ SOLID
65-JA-01  JANIK      H2.O ..SOLID/ LIQUID/ FREQUENCY DISTRIBUTION/ SIGMA(E,E-PRIME,THETA)
65-LE-02  LEMMEL      H2.O ..EXPERIMENT/ LIQUID/ DISPERSION PARAMETER/ SIGMA(THETA,E)
65-PA-02  PALEVSKY      PB/ H2.O/ SN ..EXPERIMENT/ LIQUID
65-PO-01  POPE, NATION      H2.O ..SCATTERING LAW/ CORRELATION FUNCTION
65-TU-01  TURCHIN      H2.O ..LIQUID/ SOLID/ SCATTERING LAW/ FREQUENCY DISTRIBUTION NG LAW/ FREQUENCY DISTRIBUTION
65-YO-01  YOUNG, KOPPEL      BE/ C/ H2.O/ D2.O/ C.H2/ H2/ D2 ..THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATION
66-AN-03  ANTONEZ, BEYSTER+      BE.O/ H2.O/ D2.O/ ZR-H ..EXPERIMENT/ THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
66-BE-05  BEYSTER, CARRIVEAN      H2.O ..LIQUID/ THEORY/ EXPERIMENT/ SIGMA (THETA,E) ..MULTIPLE SCATTERING CORRECTION
66-BE-06  BEYSTER, NEILL+      H2.O/ D2.O/ ZR-H/ GRAPHITE/ BE.O ..NEUTRON SPECTRUM/ COMPILATION/ LIQUID/ GAS
66-HA-02  HARLING      H2.O ..EXPERIMENT/ SIGMA (E,E-PRIME,THETA)/ LIQUID
66-HA-03  HARLING      H2.O ..LIQUID/ EXPERIMENT/ SCATTERING LAW ..ROOM TEMP.
66-KI-01  KIROUAC, MOORE+      H2.O/ POLYETHYLENE ..EXPERIMENT/ DOUBLE DIFFERENTIAL CROSS SECTION
66-KI-02  KIROUAC, MOORE+      H2.O ..SCATTERING LAW/ SIGMA (E,E-PRIME,THETA)/ EXPERIMENT ..300DK
66-KO-01  KOPPEL      POLYETHYLENE/ ZR-H/ H2.O ..SCATTERING FUNCTION/ SCATTERING CROSS SECTION/ NEUTRON SPECTRUM
66-KO-04  KOPPEL      H2.O/ POLYETHYLENE/ ZR-H/ H ..CROSS SECTION EVALUATION/ SCATTERING FUNCTION/ THEORY/ LIQUID/ SO
66-MC-01  MCMURRY, RUSSELL+      H2.O ..EXPERIMENT
66-MC-03  MCMURRY      H2.O ..THEORY/ LIQUID/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION/ SIGMA(E)/ SCATTERING LAW ..4
66-PE-01  PELAH, IMRY      H2.O ..THEORY
66-PR-01  PRASK, BOUTIN      H2.O ..EXPERIMENT/ MOLECULAR DYNAMICS/ DIFFERENTIAL CROSS SECTION ..H2.O MOLECULES IN CRYSTA
66-RU-04  RUSH, LEUNG+      H2.O ..INELASTIC SCATTERING SPECTRA
66-SZ-01  SZKATULA, FULINSKI      H2.O ..LIQUID/ MOLECULAR DYNAMICS
66-WO-01  WORDEN, PURCELL+      H2.O/ D2.O/ GRAPHITE ..NEUTRON SPECTRUM/ SIGMA(E,E-PRIME)
67-BI-01  BISCHOFF, BRYANT+      POLYETHYLENE/ H2.O/ ZR-H/ NB-H/ U.O2 ..EXPERIMENT
67-GL-01  GLAESER      REVIEW-ARTICLES/ H2.O/ ZR-H/ GRAPHITE/ D2.O/ BE/ BE.O ..INCOHERENT APPROXIMATION/ MUTIPLE SCATT
67-GO-01  GOLAND, OTNES      H2.O ..EXPERIMENT/ LIQUID ..QUASI-ELASTIC SCATTERING
67-HA-03  HAYWOOD      H2.O ..CROSS SECTION EVALUATION/ LIQUID/ THEORY/ FREQUENCY DISTRIBUTION/ SCATTERING FUNCTION/ S
67-IB-01  IBARRA-JR, SHER      H2.O ..EXPERIMENT/ NEUTRON SPECTRUM ..20DC
67-KI-01  KIROUAC      H2.O ..LIQUID/ SCATTERING FUNCTION
67-MC-01  MCMURRY      H2.O/ D2.O ..SIGMA(E,E-PRIME)/ COMPILATION
67-NA-01  NAKAHARA, KATO      BE/ H2.O/ COMPUTER-CODES ..SOLID/ THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
67-SA-02  SAMOSVAT, SAYASON+      H2.O ..EXPERIMENT
67-SK-01  SKOELD, KARLEN+      PENTANE/ H2.O ..MOLECULAR DYNAMICS/ SOLID/ EXPERIMENT/ FREQUENCY SPECTRUM
67-SM-02  SMITH      H2.O ..EXPERIMENT/ SCATTERING FUNCTION ..95DC/ TRIPLE AXIS SPECTROMETER
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67-SZ-01  SZKATULA, FULINSKI      H2.O ..THEORY/ LIQUID/ FREQUENCY DISTRIBUTION
68-AR-03  ARDENTE, GALLS      H2.O ..SIGMA (E)/ NEUTRON SPECTRUM/ THEORY ..MODIFIED NELKIN MODEL
68-BA-02  BAJOREK, JANIK+      H2.O ..EXPERIMENT/ MOLECULAR DYNAMICS ..WATER IN CRYSTAL
68-BE-02  BEYSTER         H2.O ..LIQUID/ EXPERIMENT
68-BR-03  BRUGGER         H2.O ..SCATTERING FUNCTION/ EXPERIMENT/ LIQUID ..TOF/ 16DC
68-BR-04  BRUGGER, PLUMMER      H2.O ..EXPERIMENT/ SCATTERING FUNCTION
68-BU-03  BURGMAN, SCIESINSKI+      H2.O ..SOLID/ LIQUID/ EXPERIMENT/ FREQUENCY DISTRIBUTION ..COLD NEUTRON TOF/ 273,4DK/
68-DA-05  DAUBERT, JEX+      H2.O ..SOLID/ EXPERIMENT/ SIGMA (E)
68-ES-01  ESCH, MOORE+      H2.O ..LIQUID/ EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERING FUNCTION
68-FA-01  FAURE, KAHANE      H2.O ..FREQUENCY DISTRIBUTION/ DISPERSION RELATION/ LATTICE DYNAMICS/ THEORY/ SOLID
68-GI-01  GIBBS, LINDEMETER      H2.O ..SCATTERING THEORY/ LIQUID
68-GL-01  GLAESER         H2.O/ ZR-H/ GRAPHITE/ D2.O/ BE/ BE.O ..COMPILATION/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
68-GL-02  GLAESER         H2.O/ D2.O/ ZR-H/ GRAPHITE/ BE/ BE.O ..SCATTERING FUNCTION/ DIFFUSION PARAMETER/ COMPILATION
68-HA-02  HARLING         H2.O/ D2.O ..EXPERIMENT/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION ..EPITHERMAL NEUTRONS
68-HA-03  HARLING         H2.O/ D2.O ..EXPERIMENT/ TOF/ DIFFERENTIAL CROSS SECTION/ SPECTRAL DENSITY ..299DK/ 268DK
68-HA-06  HAYWOOD, PAGE      H2.O/ D2.O ..EXPERIMENT/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION
68-JA-02  JANIK           C.H4/ H2.O/ N.H3/ LI2.S.O4.H2.O/ H3.O.N.O3/ C.H3.I ..EXPERIMENT/ GAS/ LIQUID/ SOLID/ MOLECULAR
68-JA-04  JARVIS          H2.O ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ THEORY
68-KI-01  KIROUAC, MOORE+      H2.O ..SCATTERING FUNCTION/ EXPERIMENT ..300DK
68-NA-01  NAKAHARA        H2.O ..FREQUENCY DISTRIBUTION/ THEORY/ SOLID/ LATTICE DYNAMICS
68-NE-01  NEIL, RUSSEL-JR+      H2.O ..EXPERIMENT/ LIQUID/ TOTAL CROSS SECTION ..23DC/ LINAC
68-PA-01  PAGE, HAYWOOD      H2.O/ D2.O/ GRAPHITE/ BE/ BE.O ..COMPILATION/ LIQUID/ SOLID/ FREQUENCY DISTRIBUTION ..AT VAR
68-PA-03  PAGE            H2.O/ D2.O ..EXPERIMENT/ SCATTERING FUNCTION/ COMPILATION ..MIXTURE OF H2.O AND D2.O/ 0-0.13EV/
68-PA-05  PARKS, PELLARIN+      H2.O/ D2.O ..EXPERIMENT/ DIFFUSION PARAMETER
68-PR-01  PRASK, BOUTIN+      H2.O ..SOLID/ EXPERIMENT/ THEORY/ FREQUENCY DISTRIBUTION ..COLD NEUTRON TOF/ 150DK
68-RO-01  ROSS, SZABO+      BENZENE/ H2.O ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT/ LIQUID ..20DC FOR BE
68-SA-03  SAMOSVAT, SAYASOV+      H2.O ..EXPERIMENT/ MOLECULAR DYNAMICS/ TOF ..RESONANT-DETECTOR METHOD
68-SL-02  SLAGGIE         H2.O/ ZR-H ..THEORY/ CROSS SECTION EVALUATION
68-TR-02  TREVINO, PRASK+      H2.O/ H.CL ..THEORY/ LATTICE DYNAMICS ..HARMONIC SOLIDS
69-ES-01  ESCH, YEATER+      H2.O ..EXPERIMENT/ DOUBLE DIFFERENTIAL SCATTERING CROSS SECTION/ 27,170,270DC/ LINAC TOF
69-FI-01  FISCHER         BENZENE/ CYCLOHEXANE/ CYCLOHEXANOL/ PYRIDINE/ H2.O/ HEXANE/ METHANOL/ ETHANOL/ ACETONE/ ACETIC
69-HA-04  HARIDASAN, GOVINDARAJAN      H2.O ..THEORY/ PHONON SPECTRA/ ICE
69-HA-05  HARLING         H2.O ..SCATTERING LAW/ FREQUENCY DISTRIBUTION
69-KO-01  KOSALY, VALKO      H2.O ..THEORY/ CROSS SECTION EVALUATION
69-PR-03  PRASK, BOUTIN+      H2.O ..ICE/ MOLECULAR VIBRATION
69-RE-01  REICHELT, MAIER      H2.O ..CALCULATION/ SINGLE DIFFERENTIAL CROSS SECTION
69-RE-02  RENKER          H2.O ..PHONON DISPERSION/ D2.O
69-SA-02  SAFFORD, LEUNG+      H2.O ..IN IONIC SOLUTION/ EXPERIMENT/ TOF SPECTRUM ..ION-WATER INTERACTION
69-SA-03  SAFFORD, LEUNG+      H2.O/ LA.CL3/ CS.I/ CS.CL/ K.I/ K.BR/ K.CL/ NA.CL ..EXPERIMENT/ TOF SPECTRA/ INTERMOLECULA
69-SH-04  SHAWYER, DEAN      H2.O ..THEORY/ LATTICE DYNAMICS/ FREQUENCY SPECTRA
70-BA-05  BATES, LIPPINCOTT+      H2.O ..MOLECULAR VIBRATIONS
70-BU-03  BUTLAND, CHUDLEY      H2.O ..INTEGRAL DATA/ NEUTRON DIFFUSION COEFFICIENT/ TOTAL SIGMA/ EFFECTIVE WIDTH MODEL/
70-CL-01  CLIFFORD        H2.O ..SCATTERING LAW / LIQUID
71-BI-02  BISCHOFF, MOORE+      SCATTERING-THEORIES/ COMPUTER-CODES/ H2.O ..MULTIPLE SCATTERING/ THEORY/ SIGMA(E, E-PRIME
71-DA-01  DAY, SINCLAIR      ZR-H/ H2.O/ C6.H7.N/ NA.N.H2 ..EXPERIMENT/ TOF SPECTRA/ PULSED NEUTRON SOURCE
71-DA-02  DAY, SINCLAIR      ZR-H/ H2.O/ SODAMIDE/ ANILINE ..EXPERIMENT/ MOLECULAR DYNAMICS/ LINAC PULSED NEUTRON SOURCE
71-ES-01  ESCH, YEATER+      H2.O ..EXPERIMENT/ DIFFERENTIAL CROSS SECTION/ 27, 170, 270C/ LINAC
71-GO-02  GOTOH, TAKAHASHI      H2.O/ D2.O ..FREQUENCY DISTRIBUTION/ SCATTERING LAW
71-RA-01  RAHMAN, STILLINGER      H2.O ..COMPUTER SIMULATION/ CORRELATION FUNCTION/ SELF-DIFFUSION/ FREQUENCY SPECTRA
72-BU-03  BUTLAND, CHUDLEY      H2.O ..SCATTERING MODEL CALCULATION/ INTEGRAL PARAMETER
72-CH-01  CHAY, FRANK      H2.O/ THEORY-OF-FLUIDS ..CORRELATION FUNCTION
72-NA-05  NARTEN          H2.O/ D2.O ..PAIR CORRELATION/ EXPERIMENT
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72-PO-04  POWLES, DORE+      H2.O/ D2.O ..EXPERIMENT/ STRUCTURE FACTOR/ H2.O-D2.O MIXTURE/ ISOTOPIC SUBSTITUTION
72-PR-04  PRASK, TREVINO+      H2.O/ D2.O ..THEORY/ EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY RELATION/ DISPERSION RELATION
72-SH-04  SHAWYER, DEAN      H2.O/ D2.O ..THEORY/ SOLID/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION ..ICE/ DISORDERED SYSTE
73-HE-01  HERDADE, VINHAS+      POLYETHYLENE/ H2.O ..EXPERIMENT/ SOLID/ LIQUID/ T-O-F/ SIGMA (E)
74-DE-01  DENLEY, RICE      H2.O ..THEORY/ LIQUID WATER/ FREQUENCY SPECTRA
74-ST-03  STILLINGER, RAHMAN      H2.O ..LIQUID/ PAIR CORRELATION FUNCTION/ MOLECULAR DYNAMICS ..COMMUTER EXPERIMENT
74-WA-02  WATTS           LIGHT WATER/ THEORY-OF-FLUIDS ..RADIAL-DISTRIBUTION-FUNCTION/ MONTE-CARLO
77-DE-02  DEMICHELIS, GIORDANA+      H2.O ..EXPERIMENT/ DIFFUSIVE MOTION
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4.147 LITHIUM BROMIDE LI.BR

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73-MI-05  MITRA, SINGH      LI.H/ NA.I/ LI.F/ LI.CL/ LI.BR/ K.F/ K.CL/ K.BR/ K.I/ RB.I ..THEORY/ LATTICE DYNAMICS/ FORCE
74-RA-08  RASTOGI, HAWRANEK+      LI.BR/ LI.I/ LI.F/ LI.CL ..LATTICE DYNAMICS/ THEORY
74-SI-03  SINGH           LI.H/ LI.BR/ LI.I ..DISPERSION-CURVES/ DENSITY-OF-STATES
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4.148 LITHIUM CHLORIDE LI.CL

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71-VE-01  VERMA, SINGH      LI.H/ LI.F/ LI.CL ..THEORY/ PHONON DISPERSION/ STATE DENSITY
73-MI-05  MITRA, SINGH      LI.H/ NA.I/ LI.F/ LI.CL/ LI.BR/ K.F/ K.CL/ K.BR/ K.I/ RB.I ..THEORY/ LATTICE DYNAMICS/ FORCE
74-RA-08  RASTOGI, HAWRANEK+      LI.BR/ LI.I/ LI.F/ LI.CL ..LATTICE DYNAMICS/ THEORY
76-DU-02  DURAISWAMY, HARIDASAN      LI.CL ..FREQUENCY DISTRIBUTION/ THORY/ MOMENT OF PHONON SPECTRUM
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4.149 LITHIUM FLUORIDE LI.F

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68-DO-01  DOLLING, SMITH+      LI.F ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..3-AXIS
71-VE-01  VERMA, SINGH      LI.H/ LI.F/ LI.CL ..THEORY/ PHONON DISPERSION/ STATE DENSITY
72-BA-08  BASU, SENGUPTA      LI.F ..CALCULATION/ DEFORMABLE SHELL MODEL/ PHONON DISPERSION/ STATE DENSITY/ ELASTIC CONST
73-MI-05  MITRA, SINGH      LI.H/ NA.I/ LI.F/ LI.CL/ LI.BR/ K.F/ K.CL/ K.BR/ K.I/ RB.I ..THEORY/ LATTICE DYNAMICS/ FORCE
73-SA-03  SANGSTER        MG.O/ NA,CL/ LI.F/ K.I ..INTERIONIC FORCE/ PHONON DISPERSION/ DEFORMABLE SHELL MODEL
74-RA-08  RASTOGI, HAWRANEK+      LI.BR/ LI.I/ LI.F/ LI.CL ..LATTICE DYNAMICS/ THEORY
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4.150 LITHIUM HYDRIDE LI.H

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61-WO-01  WOODS, BROCKHOUSE+      GRAPHITE/ H2.O/ D2.O/ ZR-H/ LI.H/ NA.H/ N.H4.CL ..EXPERIMENT/ CRYSTAL SPECTROMETER/ FRE
65-BR-02  BRODSKY, BURSTEIN      LI.H ..THEORY/ SOLID/ LATTICE DYNAMICS
65-ZE-01  ZEMLYANOV, BROVMAN+      LI.H ..THEORY/ BORN VON KARMAN MODEL/ SIGMA(E,E-PRIME,THETA)
65-ZE-03  ZEMLYANOV, BROVMAN+      LI.H ..EXPERIMENT/ CALCULATION/ FREQUENCY DISTRIBUTION
67-VE-02  VERBLE          LI.H ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION ..CONST.-Q/ ROOM TEMP./ LI-D CRYSTAL
68-NE-03  NERBLE, WARREN+      LI.H ..FREQUENCY DISTRIBUTION/ DISPERSION RELATION/ LATTICE DYNAMICS/ EXPERIMENT ..ROOM TE
68-VE-01  VERBLE, WARREN+      LI.H ..EXPERIMENT/ PHONON DISPERSION/ LI-D/ MODEL ANALYSIS/ FREQUENCY SPECTRUM
70-WI-01  WILSON, JOHNSON      LI.H ..THEORY/ PHONON DISPERSION
71-VE-01  VERMA, SINGH      LI.H/ LI.F/ LI.CL ..THEORY/ PHONON DISPERSION/ STATE DENSITY
72-SI-07  SINGH           LI.H ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
73-MI-05  MITRA, SINGH      LI.H/ NA.I/ LI.F/ LI.CL/ LI.BR/ K.F/ K.CL/ K.BR/ K.I/ RB.I ..THEORY/ LATTICE DYNAMICS/ FORCE
74-SI-03  SINGH           LI.H/ LI.BR/ LI.I ..DISPERSION-CURVES/ DENSITY-OF-STATES
77-LA-01  LAPLAZE         LI.H ..THEORY/ PHONON DISPERSION
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4.151 LITHIUM HYDROXIDE LI.O.H

65-PE-02 PELAH, KREBS+ CA.(O.H)2/ MG.(O.H)2/ LI.O.H ..EXPERIMENT/ LATTICE DYNAMICS ..TOF
66-SA-02 SAFFORD, LUSACCO LI.O.H ..EXPERIMENT/ TOF SPECTRUM/ MOLECULAR DYNAMICS

4.152 LITHIUM IODINE LI.I

74-RA-08 RASTOGI, HAWRANEK+ LI.BR/ LI.I/ LI.F/ LI.CL ..LATTICE DYNAMICS/ THEORY
74-SI-03 SINGH LI.H/ LI.BR/ LI.I ..DISPERSION-CURVES/ DENSITY-OF-STATES

4.153 LITHIUM NITRIDE LI3.N

77-CH-01 CHANDRASEKHAR, BHATTACHARYA+ LI3.N ..PHONON SPECTRA/ RIGID SHELL MODEL

4.154 LITHIUM NIOBATE LI.NB.O3

71-DE-05 DEVINE, PECKHAM LI.NB.O3 ..THEORY/ GROUP THEORY/ INELASTIC NEUTRON SCATTERING
74-RO-02 ROS, SAUNDERSON LI.NB.O3 ..DISPERSION RELATION/ INECASTIC NEUTRON SCATTERING

4.155 LITHIUM SULFATE LI2.S.O4.H2.O

68-JA-02 JANIK C.H4/ H2.O/ N.H3/ LI2.S.O4.H2.O/ H3.C.N.O3/ C.H3.I ..EXPERIMENT/ GAS/ LIQUID/ SOLID/ MOLECULAR

4.156 LITHIUM SULFATE MONOHYDRATE LI2.S.O4*H2.O

69-TH-01 THAPER, SEQUEIRA+ K2.C2.O4*H2.O/ BA.(CL.O3)2*H2.O/ LI2.S.O4*H2.O/ CA.S.O4*2(H2.O)/ CU.CL2*2(H2.O)/ BE.S.O4
71-JA-02 JANIK, JANIK+ LI2.S.O4*H2.O ..INELASTIC SCATTEING SPECTRA/ H2.O IN CRYSTAL
72-MI-01 MIKULI, JANIK+ LI2.S.O4*H2.O ..EXPERIMENT/ FREQUENCY SPECTRUM

4.157 LITHIUM YTTRIUM TETRAFLUORIDE LI.Y.F4

70-MI-01 MILLER, RAST+ LI.Y.F4 ..EXPERIMENT ..RAMAN SCATTERING

4.158 MAGNESIUM FLUORIDE MG.F2

68-KA-02 KAHN, TROTIN+ MG.F2 ..EXPERIMENT/ 3-AXIS SPECTROMETER/ LATTICE DYNAMICS/ DISPERSION RELATION
70-KA-04 KATIYAR MG.F2 ..THEORY/ LATTICE DYNAMICS
74-AL-05 ALMAIRAC, BENOIT MG.F2 ..PHONON DISPERSION/ EXPERIMENT/ SHELL MODEL CALCULATION

4.159 MAGNESIUM HYDROXIDE MG.(O.H)2

63-SA-01 SAFFORD, BRAJOVIC+ MG.(O.H)2/ CA.(O.H)2 ..EXPERIMENT/ TOF SPECTRA/ MOLECUCAR DYNAMICS
65-PE-02 PELAH, KREBS+ CA.(O.H)2/ MG.(O.H)2/ LI.O.H ..EXPERIMENT/ LATTICE DYNAMICS ..TOF

4.160 MAGNESIUM OXIDE MG.O

65-PE-01 PECKHAM MG.O ..LATTICE DYNAMICS
67-BU-01 BUCKLAND, SAUNDERSON MG.O ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..TRIPLE AXIS SPECTROMETER
67-MA-02 MARTIN MG.O ..SOLID/ EXPERIMENT ..DEFECT SCATTERING/ SCATTERING THEORY
67-PE-01 PECKHAM MG.O ..LATTICE DYNAMICS/ EXPERIMENT/ THEORY/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..ROOM
67-RI-01 RIEDER, HOERL MG.O ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS ..SURFACE VIBRATION
67-VE-05 VERMA, DAYAL MG.O ..THEORY/ PHONON DISPERSION/ COMBINED DENSITY-OF-STATES
68-BO-03 BORGONOVI, CARRIVEAU MG.O ..EXPERIMENT/ ANGULAR DISTRIBUTION/ SHELL MODEL CALCULATION
68-MA-08 MARTIN MG.O ..EXPERIMENT/ THEORY/ SOLID ..DEFECT SCATTERING
68-RI-04 RIEDER, HOERL MG.O ..EXPERIMENT/ PHONON SPECTRA/ SURFACE MODE
70-SA-01 SABINE, SVENSON MG.O ..EXPERIMENT/ TOTAL SCATTERING SIGMA ..DEFECT CLUSTER SCATTERING
70-SA-05 SANGSTER, PECKHAM+ MG.O ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES ..BREATHING SHELL MODEL/ FREQUEN
71-CA-01 CALTIER, MONTANER MG.O/ CA.O/ SR.O/ BA.O ..THEORY/ PHONON DISPERSION
71-GI-02 GILLIS MG.O ..THEORY/ LATTICE VIBRATION
72-GE-01 GENZEL, MARTIN MG.O ..THEORY/ FREQUENCY SPECTRA/ RIGID ION MODEL/ SMALL CRYSTAL
72-SI-06 SINGH, UPADHYAYA MG.O ..THEORY/ SHELL MODEL/ PHONON DISPERSION/ SPECIFIC HEAT
73-SA-03 SANGSTER MG.O/ NA.CL/ LI.F/ K.I ..INTERIONIC FORCE/ PHONON DISPERSION/ DEFORMABLE SHELL MODEL
73-VE-02 VERMA, AGARWAL MG.O ..LATTICE DYAMILS/ DISPERSION RELATION/ THEORY
76-SA-01 SACCHETTI, SELLONI NEUTRON-SCATTERING-IN-SOLIDS/ MG.O ..THEORY/ SOLID/ FREQUENCY DISTRIBUTION

4.161 MAGNETITE FE3.O4

74-SA-03 SAMUELSEN, STEINSVOLL MAGNETITE ..EXPERIMENT/ INELASTIC NEUTRON SCATTERING/ DISPERSION RELATION ..SPINEL S
76-RA-03 RAKHECHA, CHAKRAVARTHY+ FE3.O4 ..POLARIZED NEUTRON DIFFRACTION
76-SH-04 SHAPIRO, IIZUMI+ MAGNETITE ..1-D CORRELATION/ 3-D INTERCHAIN-INTERACTION
76-ST-05 STEINSVOLL, MUSTOE+ FE3.O4 ..EXPERIMENT/ MAGNETIC SCATTERING/ CRITICAL SCATTERING/ MAGNON
77-KE-01 KELBER, SHIRANE+ FE3.O4 ..EXPERIMENT/ NEUTRON ELASTIC SCATTERING/ RESISTIVITY MEASUREMENT/ HEAT-CAPACITY A

4.162 MANGANESE FERRITE MN.FE2.O4

74-SC-01 SCHEERLINCK, WEGENER+ MN.FE2.O4 ..DISPERSION-CURVES
74-WE-02 WEGENER, SCHEERING+ MN.FE2.O4 ..EXPERIMENT/ TOF/ DISPERSION RELATION ..SPIN WAVE SPECTRUM

4.163 MANGANESE FLUORIDE MN.F2

74-CR-01 CRAN, SANGSTER MN.F2 ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..SHELL MODEL

4.164 MANGANESE HYDROGEN CARBONYL (1) H.MN.(C.O)5

72-WH-03 WHITE, WRIGHT H.CO.(C.O)4/ H2.FE.(C.O)4/ H.MN.(C.O)5/ K.H.FE.(C.O)4/ H3.MN3.(C.O)12/ CS.H.FE3.(C.O)11 ..EX

4.165 MANGANESE HYDROGEN CARBONYL (2) H3.MN3.(C.O)12

72-WH-03 WHITE, WRIGHT H.CO.(C.O)4/ H2.FE.(C.O)4/ H.MN.(C.O)5/ K.H.FE.(C.O)4/ H3.MN3.(C.O)12/ CS.H.FE3.(C.O)11 ..EX

4.166 MANGANESE MONOXIDE MN.O

69-HA-06 HAYWOOD, COLLINS MN.O ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..CONST.-Q/ RIGID-ION AND SHELL
70-UP-01 UPADHYANA, SINGH MN.O ..THEORY/ DISPERSION RELATIONS
71-HA-07 HAYWOOD, COLLINS MN.O ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL FITTING
72-UP-03 UPADHYAYA, SINGH MN.O ..THEORY/ PHONON DISPERSION
74-SH-04 SHARMA MN.O ..DISPERSION-CURVES ..THEORY/ DEFORMATION-DIPOLE-MODEL
74-UP-01 UPADHYAYA, SINGH MN.O/ CO.O/ NI.O ..THEORY/ DISPERSION RELATION/ LATTICE DYNAMICS ..THREE-BODY FORCE SHELL
76-SH-06 SHARMA MN.O ..LATTICE DYNMICS/ DEFORMATION DIPOLE MODEL
76-WA-01 WAGNER, REICHARDT+ MN.O ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL FITTING

4.167 MOLYBDENUM DISULFIDE MO.S2

71-BR-03 BROMLEY MO.S2 ..THEORY/ PHONON DISPERSION
75-WA-01 WAKABAYASHI, SMITH+ MO.S2 ..EXPERIMENT/ PHONON DISPERSION/ MODEL FITTING
77-WA-02 WAKABAYASHI MO.S2/ GRAPHITE/ NB.S2/ PB.I2 ..THEORY/ PHONON DISPERSION/ LAYERER STRUCTURES

4.168 MOLYBDENUM SULFIDE MO6.S8

76-BA-01 BADER, SINHA+ SN.MO6.S8/ PB.MO6.S8/ MO6.S8 ..EXPERIMENT/ PHONON SPECTRA/ MOLECULAR-CRYSTAL

4.169 NEODYMIUM CHROMIUM OXIDE ND.CR.O3

77-SH-01 SHAMIR, MELAMUD+ PR.CR.O3/ ND.CR.O3/ TB.CR.O3/ HO.CR.O3/ ER.CR.O3 ..EXPERIMENT/ MAGNETIC SCATTERING / R.CR

4.170 NICKEL CHLORIDE NI.CL2

77-QU-01 QUIRKE, SOPER NI.CL2 ..NICKEL-NICKEL PARTIAL STRUCTURE FACTOR/ HARD SPHERE POTENTIAL/ SOLUTION IN D2.O
77-SO-01 SOPER, NIELSEN+ NI.CL2/ NA.CL ..NEUTRON DIFFRACTION EXPERIMENT/ HYDRATION NUMBER

4.171 NICKEL MONOSULFIDE NI.S

72-BR-02 BRIGGS, DUFFILL+ NI.S ..EXPERIMENT/ PHONON AND MAGNON DISPERSION

4.172 NICKEL OXIDE NI.O

74-UP-01 UPADHYAYA, SINGH MN.O/ CO.O/ NI.O ..THEORY/ DISPERSION RELATION/ LATTICE DYNAMICS ..THREE-BODY FORCE SHELL
75-RE-01 REICHARDT, WAGNER+ NI.O ..EXPERIMENT/ SOLID/ DISPERSION RELATION/ NEUTRON INELASTIC SCATTERING/ TRIPLE AXI
76-CO-16 COY, TOMPSON+ NI.O ..DISPERSION RELATION/ COHERENT INELASTIC NEUTRON SCATTERING
76-CO-17 COY, TOMPSON+ NI.O ..EXPERIMENT/ PHONON DISPERSION/ THREE BODY FORCE SHELL MODEL FITTING
77-GO-07 GOYAL, GOYAL CO.O/ NI.O ..THEORY/ FREQUENCY SPECTRUM

4.173 NIOBIUM CARBIDE NB.C

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71-SM-01  SMITH, GLAESER      TA.C/ HF.C/ NB.C ..EXPERIMENT/ PHONON DISPERSION/ SUPERCONDUCTIVITY
72-MO-02  MOSTOLLER       U.C/ HF.C/ TA.C/ NB.C ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL APPROACH
72-SM-02  SMITH, WAKABAYASHI+      NB.C/ ZR.C/ TC/ ZR/ Y ..EXPERIMENT/ SUPERCONDUCTIVITY/ ELECTRON-PHONON INTERACTION
73-WE-02  WEBER           TI.C/ ZR.C/ V.C/ NB.C/ TA.C/ U.C ..THEORY/ LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION/ FREQUE
76-GU-01  GUPTA, FREEMAN      ZR.C/ HF.C/ NB.C/ TA.C ..THEORY/ PHONON DISPERSION/ PHONON SPECTRA/ APW ENERGY BAND CALCULA
76-GU-03  GUPTA, FREEMAN      NB.C/ TA.C/ ZR.C/ HF.C ..THEORY/ PHONON ANOMALY/ GENERALIZED SUSCEPTIBILITY
76-HA-03  HANKE, HAFNER+      THEORY-OF-SOLIDS/ NB.C ..THEORY/ TRANSITION METAL COMPOUND/ PHONON DISPERSION
76-KL-01  KLEIN, BOYER+      TA.C/ NB.C/ HF.C ..APW MUFFIN-TIN CALCULATION/ FERMI SURFACE/ PHONON FREQUENCY
77-GO-08  GOYAL, GOYAL      NB.C ..PHONON DISPERSION CURVES/ PSEUDOPOTENTIAL MODEL/ MODIFIED SHELL MODEL
77-SP-02  SPLETTSTOSSER      NB.C ..THEORY/ SOLID/ DISPERSION RELATION ..SHELL MODEL/ ONE-PHONON CROSS SECTION/ VIRTUAL C
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4.174 NIOBIUM OXIDE NB.O2

4.175 NIOBIUM SULFIDE NB.S2

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77-WA-02  WAKABAYASHI      MO.S2/ GRAPHITE/ NB.S2/ PB.I2 ..THEORY/ PHONON DISPERSION/ LAYERER STRUCTURES
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4.176 PLUTONIUM PHOSPHIDE PU.P

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76-LA-01  LANDER, REDDY      PU.P/ PU-FE ..POLARIZED NEUTRON DIFFRACTION
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4.177 POTASSIUM ACID FLUORIDE K.H.F2

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63-BO-02  BOUTIN, SAFFORD      H.F/ K.H.F2/ K.H2.F3/ NA.H2.F3 ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS
70-CO-02  COLLINS, HAYWOOD+      K.H.F2/ CS.H.CL2/ NA.H.C.O3/ K.C2.CL3.O2/ K.C2.F3.O2 ..EXPERIMENT/ MOLECULAR DYNAMICS/ F
72-RU-01  RUSH, SCHROEDER+      K.H.F2/ NA.H.F2 ..NEUTRON SPECTROSCOPY/ RAMAN, INFRARED SPECTROSCOPY
72-SA-01  SAKAMOTO, IIZUMI+      K.H.F2/ (N.H4)2.S.O4/ POLYETHYLENE ..EXPERIMENT/ BE-FILTER-DETECTOR/ MOLECULAR DYNAMICS
73-SM-02  SMITH, TEMME+      NA.H.F2/ K.H.F2/ CS.H.CL2/ CS.H.BR2 ..EXPERIMENT/ FREQUENCY SPECTRA/ TOF SPECTRA
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4.178 POTASSIUM AMMONIUM CHLORIDE K.N.H4.CL

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72-SM-01  SMITH, WAKABAYASHI+      K.N.H4.CL ..EXPERIMENT/ LOCALIZED PHONON
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4.179 POTASSIUM AZIDE K.N3

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69-GO-01  GOVINDARAJAN, HARIDASAN      K.N3/ RB.N3/ CS.N3 ..THEORY/ LATTICE VIBRATION ..RIGID ION MODEL/ BODY CENTERED TE
70-RA-04  RAO, TREVINO      K.N3 ..THEORY/ LATTICE DYNAMICS/ GROUP-THEORETICAL ANALYSIS
71-RA-04  RAO, TREVINO+      K.N3 ..EXPERIMENT/ PHONON DISPERSION/ RIGID-ION MODEL FITTING
71-RA-05  RAO, TREVINO+      K.N3 ..EXPERIMENT/ PHONON DISPERSION/ RIGID ION MODEL CALCULATION
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4.180 POTASSIUM BROMIDE K.BR

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63-CO-03  COCHRAN, COWLEY+      K.BR/ NA.I ..THEORY/ PHONON DISPERSION
63-WO-02  WOODS, BROCKHOUSE+      K.BR/ NA.I ..EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS ..90DK
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66-CO-03 COWLEY, COWLEY K,BR/ NA,I/ THEORY-OF-SOLIDS ..THEORY/ ANHARMONICITY/ PHONON DISPERSION
68-BU-04 BUYERS, COWLEY K,BR/ RB,BR ..EXPERIMENT/ LATTICE DYNAMICS ..MIXED CRYSTAL
68-BU-06 BUYERS, SMITH K,CL/ K,BR/ NA,I/ NA,CL/ NA,BR/ NA,F ..THEORY/ DEBYE-WALLER FACTOR ..TEMPERATURE DEPENDENCE/
68-CO-11 COWLEY, BUYERS+ K,BR/ SR,TI,O3 ..THEORY/ EXPERIMENT/ LATTICE DYNAMICS/ ELASTIC CONSTANT ..NEUTRON MEASUREM
68-CO-13 COWLEY, SVENSSON+ K,BR/ SR,TI,O3/ K,H2,P,O4 ..ELASTIC CONSTANT/ SOUND VELOCITY/ ANHARMONICITY
68-SV-01 SVENSSON, BUYERS K,BR ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION ..3-AXIS-SPECTROMETER/ 95DK/ 463
70-LO-02 LOWNDES K,BR ..ANHARMONICITY ..DIELECTRIC CONSTANT
73-BA-03 BASU, SENGUPTA NA,CL/ NA,BR/ K,I/ K,CL/ K,BR ..THEORY/ DEFORMABL SHELL MODEL/ PHONON DISPERSION/ FREQUENCY
75-BL-02 BLASCHKO, ERNST+ K,BR ..EXPERIMENT/ PHONON FREQUENCY SHIFT/ PRESSURE EFFECT
76-FA-02 FARR, TREVINO K,BR ..EXPERIMENT/ PHONON DISPERSION/ 1BAR,6.4KBAR/ BREATHING SHELL MODEL

4.181 POTASSIUM CHLORIDE K,CL

67-IV-01 IVERONOVA, PARANGTOPO+ K,CL/ K,I ..LATTICE DYNAMICS/ DISPERSION RELATION ..X-RAY EXPERIMENT
67-ST-01 STARTSEV, BRAUD K,CL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..X-RAY EXPERIMENT
68-BE-01 BENEDEK, NARDELLI NA,CL/ K,CL ..DISPERSION RELATION/ THEORY/ LATTICE DYNAMICS
68-BU-06 BUYERS, SMITH K,CL/ K,BR/ NA,I/ NA,CL/ NA,BR/ NA,F ..THEORY/ DEBYE-WALLER FACTOR ..TEMPERATURE DEPENDENCE/
69-CO-05 COPLEY, MACPHERSON+ K,CL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVE/ FREQUENCY SPECTRA/ DEBYE TEMP,/
69-RA-03 RAUNIO, AUMQVIST K,CL ..EXPERIMENT/ PHONON DISPERSION RELATION/ 80, 300DK/ COMPARED WITH BREATHING SHELL M
69-RA-04 RAUNIO NA,CL/ K,CL/ RB,CL ..EXPERIMENT/ PHONON WIDTH/ 80, 300DK
70-JA-03 JAYALAKSHMI, VISWAMITRA K,CL ..EXPERIMENT/ X-RAY SCATTERING
70-RA-07 RAUNIO, ROLANDSON NA,CL/ K,CL/ RB,CL/ RB,F ..SHELL MODEL FITTING/ FREQUENCY SPECTRUM/ DEBYE TEMPERATURE
70-RA-09 RAUNIO, ROLANDSON NA,CL/ K,CL/ RB,CL/ RB,F ..THEORY/ DISPERSION CURVES/ SHELL MODEL
70-RE-02 REID, SMITH NA,F/ NA,CL/ NA,BR/ NA,I/ K,CL/ K,BR ..THEORY/ SOLID/ DEBYE-WALLER FACTOR ..SHELL MODEL/ ROOT
73-BA-03 BASU, SENGUPTA NA,CL/ NA,BR/ K,I/ K,CL/ K,BR ..THEORY/ DEFORMABL SHELL MODEL/ PHONON DISPERSION/ FREQUENCY
74-RO-01 ROMANO, MARGHERITIS K,CL ..IONIC POLARIZATION/ ALKALI HALIDE
76-BO-04 BOLONIN NA,CL/ K,CL ..THEORY/ PHONON DISPERSION
77-BO-02 BOLONIN NA,BR/ K,I/ NA,CL/ K,CL ..DISPERSION RELATION/ EXPERIMENT/ ELASTIC CONSTANT
77-HA-02 HARDY, KARO NA,CL/ K,CL/ RB,CL ..THEORY/ LATTICE DYNAMICS/ CENTRAL-FORCE MODELS ..THERMAL EXPANSION/ HEAT

4.182 POTASSIUM CHLOROSTANNATE K2,SN,CL6

76-BO-05 BOYSER, IHRINGER+ K2,SN,CL6 ..NEUTRON DIFFRACTION

4.183 POTASSIUM(2) COBALT FLUORIDE K2,CO,F4

76-SH-09 SHIRANE, BIRGENEAU K2,CO,F4/ K2,NI,F4/ RB2,MN0.5,NI0.5,F4/ RB2,MN0.5,MG0.5,F4/ TMMC ..EXPERIMENT/ MAGNETIC

4.184 POTASSIUM COBALT TRIFLUORIDE K,CO,F3

71-BU-03 BUYERS, HOLDEN+ K,CO,F3 ..THEORY/ MAGNON DISPERSION/ PHONON-MAGNON INTERACTION
71-HO-01 HOLDEN, BUYERS+ K,CO,F3 ..EXPERIMENT/ PHONON DISPERSION/ MAGNON DISPERSION

4.185 POTASSIUM COPPER FLUORIDE K,CU,F3

4.186 POTASSIUM(2) COPPER FLUORIDE K2.CU.F4

76-MO-05 MOUSSA, VILLAIN K2.CU.F4 ..EXPERIMENT/ THEORY/ MAGNETIC SCATTERING/ SPIN-WAVE

4.187 POTASSIUM CYANIDE K.C.N

75-RO-03 ROWE, RUSH+ K.C.N/ NA.C.N ..EXPERIMENT/ PHONON DISPERSION
76-BI-01 BILL, JEX+ K.C.N / NA.C.N ..DISPERSION RELATION/ SHELL MODEL/ ROTATIONAL EFFECT
76-DA-03 DAUBERT, KNORR+ K.C.N ..EXPERIMENT/ PHONON DISPERSION/ 215K

4.188 POTASSIUM DIHYDROGEN FLUORIDE K.H2.F3

63-BO-02 BOUTIN, SAFFORD H.F/ K.H.F2/ K.H2.F3/ NA.H2.F3 ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS

4.189 POTASSIUM DIHYDROGEN PHOSPHATE K.H2.P.O4

61-RU-01 RUSH, TAYLOR+ K.H2.P.O4/ (N.H4)2.CR.O4/ (N.H4)2.CR2.O7/ N.H4.C.N.S/ N.H4.CL.O4 ..EXPERIMENT/ MOLECULAR DYN
63-PA-01 PALEVSKY, OTNES+ K.H2.P.O4 ..EXPERIMENT/ TOF
65-IM-01 IMRY, PELAH+ K.H2.P.O4/ K2.H.P.O4/ K3.P.O4 ..EXPERIMENT/ LATTICE DYNAMICS ..TOF
65-PE-03 PELAH, WIENER+ K.H2.P.O4/ K2.H.P.O4/ K3.P.O4 ..EXPERIMENT/ LATTICE DYNAMICS ..TOF
67-BL-02 BLINC, DIMIC+ K.H2.P.O4 ..MOLECULAR DYNAMICS/ SOLID/ EXPERIMENT
67-TH-01 THAPER, ROY+ K.H2.P.O4 ..EXPERIMENT/ FREQUENCY SPECTRA
68-BU-05 BUYERS, COWLEY+ K.H2.P.O4 ..EXPERIMENT/ QUASI-ELASTIC SCATTERING ..34DC - -49.6DC
68-CO-13 COWLEY, SVENSSON+ K.BR/ SR.TI.O3/ K.H2.P.O4 ..ELASTIC CONSTANT/ SOUND VELOCITY/ ANHARMONICITY
68-SC-01 SCHENK, WIENER+ K.H2.P.O4 ..EXPERIMENT/ LATTICE DYNAMICS ..PHASE TRANSITION
68-SC-02 SCHENK, WIENER+ K.H2.P.O4 ..EXPERIMENT/ TOF/ SINGLE CRYSTAL ..AS A FUNCTION OF TEMPERATURE/ PHASE TRANSITI
68-SH-02 SHENK, WIENER+ K.H2.P.O4 ..INCOHERENT SCATTERING SPECTRA/ PHASE TRANSITION/ LATTIC VIBRATION
68-ST-03 STEINMAN, SUMMERFIELD K.H2.P.O4 ..INCOHERENT SCATTERING
69-CO-01 COCHRAN NEUTRON-SCATTERING-IN-SOLIDS/ BA.TI.O3/ K.H2.P.O4/ NA.N.O2 ..THEORY/ DIELECTRIC/ CRITICAL SCATT
69-ST-01 STEINMAN, SUMMERFIELD K.H2.P.O4 ..THEORY/ INCOHERENT SCATTERING ..SINGLE CRYSTAL/ TUNNELING MOTION
70-PA-06 PAUL, COCHRAN+ K.H2.P.O4 ..EXPERIMENT/ THEORY/ PHASE TRANSITION/ NEUTRON SCATTERING
70-SK-01 SKALYO-JR, FRAZER+ K.H2.P.O4 ..EXPERIMENT/ OVERDAMPED PHONON MODE/ K.D2.P.O4
72-AN-04 ANTONINI, SOSNOWSKA+ K.H2.P.O4/ N.H4.H2.P.O4 ..ELASTIC SCATTERING/ INTERFERENCE EFFECT/ PARAELECTRIC PHASE
72-AR-01 ARSIC-ESKINJA, GRIMM+ K.H2.P.O4 ..EXPERIMENT/ ELASTIC SCATTERING/ PHASE TRANSITION
76-CO-12 COWLEY K.H2.P.O4 ..EXPERIMENT/ CRITICAL SCATTERING/ PHASE TRANSITION
76-CO-14 COWLEY K.H2.P.O4 ..THEORY/ PHASE TRANSITION/ CLASSICAL LANDAU THEORY
76-ZE-01 ZEYEN, MEISTER K.H2.P.O4 ..EXPERIMENT/ PHASE TRANSITION

4.190 POTASSIUM FERROCYANIDE K4.FE.(C.N)6

65-RU-02 RUSH, TAYLOR K4.FE.(C.N)6/ (N.H4)2.S.O4/ N.H4.H.S.O4/ (N.H4)2.BE.F4 ..EXPERIMENT/ MOLECULAR LATTICE DYNAMI

4.191 POTASSIUM FLUOGERMANATE K2.GE.F6

76-CH-07 CHODOS, BLACK+ CS2.MN.F6/ K2.SI.F6/ RB2.SI.F6/ CS2.SI.F6/ K2.GE.F6 ..EXPERIMENT/ THEORY/ DIPERSION RELATIO

4.192 POTASSIUM FLUORIDE K.F

70-BU-02 BUEHRER K.F ..EXPERIMENT/ PHONON DISPERSION/ ELEVEN PARAMETER FITTING/ FREQUENCY SPECTRUM

4.193 POTASSIUM FLUOSILICATE K2.SI.F6

76-CH-07 CHODOS, BLACK+ CS2.MN.F6/ K2.SI.F6/ RB2.SI.F6/ CS2.SI.F6/ K2.GE.F6 ..EXPERIMENT/ THEORY/ DIPERSION RELATIO

4.194 POTASSIUM HYDROGEN IRON CARBONYL K.H.FE.(C.O)4

72-WH-03 WHITE, WRIGHT H.CO.(C.O)4/ H2.FE.(C.O)4/ H.MN.(C.O)5/ K.H.FE.(C.O)4/ H3.MN3.(C.O)12/ CS.H.FE3.(C.O)11 ..EX

4.195 POTASSIUM HYDROGEN TRICHLOROACETATE K.H.(C.CL3.C.O2)2

72-GH-02 GHOSH, WADDINGTON+ NA.H.F2/ CS.H.CL2/ H.CR.O2/ H.CO.O2/ K.H.(C.CL3.C.O2)2 ..EXPERIMENT/ NEUTRON SPECTROSCO

4.196 POTASSIUM IODIDE K.I

65-MI-01 MIKKE, DOBRZYNSKI N.H4.I/ K.I ..FREQUENCY SPECTRA/ SOLID SOLUTION
66-DO-01 DOLLING, COWLEY+ K.I ..EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS
67-IV-01 IVERONOVA, PARANGTOPO+ K.CL/ K.I ..LATTICE DYNAMICS/ DISPERSION RELATION ..X-RAY EXPERIMENT
69-SA-03 SAFFORD, LEUNG+ H2.O/ LA.CL3/ CS.I/ CS.CL/ K.I/ K.BR/ K.CL/ NA.CL ..EXPERIMENT/ TOF SPECTRA/ INTERMOLECULA
69-SI-01 SINGH, VERMA K.I ..PHONON DISPERSION
73-BA-03 BASU, SENGUPTA NA.CL/ NA.BR/ K.I/ K.CL/ K.BR ..THEORY/ DEFORMABL SHELL MODEL/ PHONON DISPERSION/ FREQUENCY
73-SA-03 SANGSTER MG.O/ NA.CL/ LI.F/ K.I ..INTERIONIC FORCE/ PHONON DISPERSION/ DEFORMABLE SHELL MODEL
77-BO-02 BOLONIN NA.BR/ K.I/ NA.CL/ K.CL ..DISPERSION RELATION/ EXPERIMENT/ ELASTIC CONSTANT

4.197 POTASSIUM MANGANESE-IRON FLUORIDE K2.(MN-FE).F4

76-BE-08 BEVAART, FRIKKEE+ K2.(MN-FE).F4 ..NEUTRON DIFFRACTION/ SPIN ANISOTROPY

4.198 POTASSIUM(2) MANGANESE FLUORIDE K2.MN.F4

76-ST-10 STROBEL, GEICK K2.MN.F4/ RB2.MN.CL4 ..RIGID-ION MODEL/ CALCULATION/ LATTICE DYNAMICS/ SHORT-RANGE FORCE CO

4.199 POTASSIUM MANGANESE TRIFLUORIDE K.MN.F3

69-MI-02 MINKIEWICZ, SHIRANE K.MN.F3 ..EXPERIMENT/ DISPERSION RELATION/ TEMPERATURE DEPENDENCE
70-SH-09 SHIRANE, MINKIEWICZ+ K.MN.F3 ..PHONON DISPERSION/ PHASE TRANSITION
72-GE-02 GESI, AXE+ K.MN.F3 ..EXPERIMENTS/ SOFT PHONON/ DISPERSION RELATION/ CURIE-WEISS LAW/ DAMPING PARAMETER/ DI
72-GE-03 GESI K.MN.F3 ..EXPERIMENT/ SOFT PHONON/ PHASE TRANSITION
72-SH-03 SHAPIRO, AXE+ SR.TI.O3/ K.MN.F3 ..EXPERIMENT/ CRITICAL SCATTERING/ PHASE TRANSITION
73-SH-01 SHAPIRO, AXE+ K.MN.F3 ..EXPERIMENT/ SOFT MODE DYNAMICS
74-AX-03 AXE, SHAPIRO+ NB3.SN/ SR.TI.O3/ K.MN.F3/ LA.AL.O3 ..EXPERIMENT/ SOFT MODE/ CENTRAL PEAK PROBLEM
74-SH-03 SHAPIRO, AXE+ K.MN.F3 ..EXPERIMENT/ PHONON LINE SHAPE/ PHASE TRANSITION

4.200 POTASSIUM MANGANESE-ZINC FLUORIDE K.(MN-ZN).F3

4.201 POTASSIUM MONOHYDROGEN PHOSPHATE K2.H.P.O4

65-IM-01 IMRY, PELAH+ K.H2.P.O4/ K2.H.P.O4/ K3.P.O4 ..EXPERIMENT/ LATTICE DYNAMICS ..TOF
65-PE-03 PELAH, WIENER+ K.H2.P.O4/ K2.H.P.O4/ K3.P.O4 ..EXPERIMENT/ LATTICE DYNAMICS ..TOF

4.202 POTASSIUM(2) NICKEL FLUORIDE K2.NI.F4

76-SH-09 SHIRANE, BIRGENEAU K2.CO.F4/ K2.NI.F4/ RB2.MN0.5.NI0.5.F4/ RB2.MN0.5.MG0.5.F4/ TMMC ..EXPERIMENT/ MAGNETIC

4.203 POTASSIUM NIOBATE K.NB.O3

74-ZA-01 ZACCAI, HEWAT K.NB.O3/ K.TA.O3 ..X-RAY AND NEUTRON DIFFRACTION/ DIFFUSE STREAK/ PHONON DISPERSION

4.204 POTASSIUM OXALATE HYDRATE K2.C2.O4*H2.O

69-TH-01 THAPER, SEQUEIRA+ K2.C2.O4*H2.O/ BA.(CL.O3)2*H2.O/ LI2.S.O4*H2.O/ CA.S.O4*2(H2.O)/ CU.CL2*2(H2.O)/ BE.S.O4
70-TH-01 THAPER, DASANNACHARYA+ BA.(CL.O3)2*H2.O/ K2.C2.O4*H2.O ..EXPERIMENT/ HYDRATES/ LIBRATION OF H2.O IN HYDRAT

4.205 POTASSIUM PHOSPHATE K3.P.O4

65-IM-01 IMRY, PELAH+ K.H2.P.O4/ K2.H.P.O4/ K3.P.O4 ..EXPERIMENT/ LATTICE DYNAMICS ..TOF
65-PE-03 PELAH, WIENER+ K.H2.P.O4/ K2.H.P.O4/ K3.P.O4 ..EXPERIMENT/ LATTICE DYNAMICS ..TOF

4.206 POTASSIUM RHENIUM CHLORIDE K2.RE.CL6

74-DU-01 DUROCHER, DARAIN K2.RE.CL6 ..DENSITY-OF-STATES/ CALCULATION

4.207 POTASSIUM RHENIUM HYDRIDE K2.RE.H9

72-WH-02 WHITE, WRIGHT K2.RE.H9/ NA2.RE.H9 ..EXPERIMENT/ N-SPECTROSCOPY/ MOLECULAR VIBRATION

4.208 POTASSIUM-RUBIDIUM IODIDE (K-RB).I

76-AS-02 ASLAM, ROLANDSON+ (K-RB).I ..EXPERIMENT/ PHONON DISPERSION/ MODEL FITTING

4.209 POTASSIUM SELENATE K2.SE.O4

76-II-02 IIZUMI, AXE+ K2.SE.O4 ..EXPERIMENT/ PHASE TRANSITION/ PHONON SOITENING

76-II-03 IIZUMI, AXE+ K2,SE,O4 ..EXPERIMENT/ INCOMENSURATE/ PHONON DISPERSION/ SOFTENING

4.210 POTASSIUM TANTALATE K,TA,O3

67-SH-01 SHIRANE, NATHANS+ K,TA,O3 ..EXPERIMENT/ PHASE TRANSITION/ SOFT MODE/ LATTICE DYNAMICS
70-AX-02 AXE, HARADA+ K,TA,O3 ..PHONON DISPERSION/ CRITICAL PHENOMENA
70-HA-01 HARADA, AXE+ K,TA,O3/ SR,TI,O3/ RB,MN,F3 ..EXPERIMENT/INELASTIC STRUCTURE FACTOR/ PHONON EIGENVECTOR/ FERR
72-CO-03 COMES, SHIRANE K,TA,O3 ..EXPERIMENT/ PHONON DISPERSION/ ANISOTROPY
74-ZA-01 ZACCAI, HEWAT K,NB,O3/ K,TA,O3 ..X-RAY AND NEUTRON DIFFRACTION/ DIFFUSE STREAK/ PHONON DISPERSION

4.211 PRASEODYMIUM ALUMINATE PR,AL,O3

74-BI-02 BIRGENEAU, KJEMS+ PR,AL,O3 ..JAHN-TELLER/ STRUCTURAL-PHASE-TRANSITION

4.212 PRASEODYMIUM CHROMIUM OXIDE PR,CR,O3

77-SH-01 SHAMIR, MELAMUD+ PR,CR,O3/ ND,CR,O3/ TB,CR,O3/ HO,CR,O3/ ER,CR,O3 ..EXPERIMENT/ MAGNETIC SCATTERING / R,CR

4.213 PRASEODYMIUM FLUORIDE PR,F3

76-SH-01 SHAMIR, MELAMUD+ PR,F3 ..EXPERIMENT/ CRYSTAL-ELECTRIC-FIELD SPLIT

4.214 PRASEODYMIUM GALLIUM OXIDE PR,GA,O3

76-HE-04 HENNIG, KAUN+ PR,FE,O3/ PR,GA,O3/ PR,AL2/ PR3,AL ..EXPERIMENT/ CRYSTALLINE FIELD LEVEL

4.215 PRASEODYMIUM IRON OXIDE PR,FE,O3

76-HE-04 HENNIG, KAUN+ PR,FE,O3/ PR,GA,O3/ PR,AL2/ PR3,AL ..EXPERIMENT/ CRYSTALLINE FIELD LEVEL

4.216 QUARTZ SI,O2

67-EL-01 ELCOMBE QUARTZ ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
69-LE-01 LEADBETTER SILICA/ QUARTZ/ CRISTOBALITE ..EXPERIMENT/ COLLECTIVE VIBRATION/ AMORPHOUS SOLID ..TOF/ SILICA/
70-AX-01 AXE, SHIRANE QUARTZ ..EXPERIMENT/ PHONON/ CRITICAL SCATTERING ..PHASE TRANSFORMATION/ ABOVE 573DC/ CONST,-
75-ST-05 STRIEFLER, BARSCH QUARTZ ..DISPERSION/ ELASTIC CONST./ DEBYE TEMP./ THEORY/ MODELIED RIGID-ION MODEL
76-BA-05 BARRON, HUANG+ QUARTZ ..THEORY/ PHONON DISPERSION

4.217 RUBIDIUM AZIDE RB,N3

69-GO-01 GOVINDARAJAN, HARIDASAN K,N3/ RB,N3/ CS,N3 ..THEORY/ LATTICE VIBRATION ..RIGID ION MODEL/ BODY CENTERED TE

4.218 RUBIDIUM BROMIDE RB,BR

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68-BU-04  BUYERS, COWLEY      K,BR/ RB,BR ..EXPERIMENT/ LATTICE DYNAMICS ..MIXED CRYSTAL
71-RO-02  ROLANDSON, RAUNIO      RB,BR ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL FITTING/ ELASTIC CONSTANT/ DIELECTRIC
72-LA-02  LAL, VERMA      RB,F/ RB,CL/ RB,BR/ RB,I ..THEORY/ PHONON DISPERSION/ SHELL MODEL
75-PR-02  PRICE, COPLEY      RB,BR ..EXPERIMENT/ COMPUTER SIMULATION/ LIQUID/ 986DK
76-CO-07  COPLEY, RAHMAN      RB,BR / NEUTRON-SCATTERING-IN-FLUIDS ..MOLECULAR DYNAMICS/ SCATTERING-FUNCTION/ PAIR-CORREL
77-GO-03  GOEL, DAYAL      RB,F/ RB,CL/ RB,BR/ RB,I ..PHONON DISPERSION CURVE/ THREE-BODY FORCE SHELL MODEL
77-KA-02  KAHOL, CHATURVEDI+      RB,BR ..THEORY/ MOLECULAR DYNAMICS/ DYNAMICAL STRUCTURE FACTOR
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4.219 RUBIDIUM CALCIUM TRIFLUORIDE RB,CA,F3

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75-KA-02  KAMITAKAHARA, ROTTER      RB,CA,F3 ..EXPERIMENT/ SOLID/ MONOCHROMETER/ DISPERSION RELATION/ FREQUENCY DISTRIBUT
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4.220 RUBIDIUM CHLORIDE RB,CL

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69-RA-04  RAUNIO      NA,CL/ K,CL/ RB,CL ..EXPERIMENT/ PHONON WIDTH/ 80, 300DK
70-RA-07  RAUNIO, ROLANDSON      NA,CL/ K,CL/ RB,CL/ RB,F ..SHELL MODEL FITTING/ FREQUENCY SPECTRUM/ DEBYE TEMPERATURE
70-RA-08  RAUNIO, ROLANDSON      RB,CL/ RB,F ..EXPERIMENT/ CONST,-Q/ LATTICE DYNAMICS/ DISPERSION RELATION ..80DK/ DEFORM
70-RA-09  RAUNIO, ROLANDSON      NA,CL/ K,CL/ RB,CL/ RB,F ..THEORY/ DISPERSION CURVES/ SHELL MODEL
72-LA-02  LAL, VERMA      RB,F/ RB,CL/ RB,BR/ RB,I ..THEORY/ PHONON DISPERSION/ SHELL MODEL
72-PA-02  PANDEY, DAYAL      RB,CL ..THEORY/ PHONON DISPERSION/ SHELL MODEL
77-DI-01  DIXON, SANGSTER      RB,CL ..MOLTEN R,CL/ MOLECULAR DYNAMICS/ RIGID ION-POLARIZABLE MODEL
77-GO-03  GOEL, DAYAL      RB,F/ RB,CL/ RB,BR/ RB,I ..PHONON DISPERSION CURVE/ THREE-BODY FORCE SHELL MODEL
77-HA-02  HARDY, KARO      NA,CL/ K,CL/ RB,CL ..THEORY/ LATTICE DYNAMICS/ CENTRAL-FORCE MODELS ..THERMAL EXPANSION/ HEAT
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4.221 RUBIDIUM CHROMIUM CHLORIDE RB2,CR,CL4

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76-HU-01  HUTCHINGS, FAIR+      RB2,CR,CL4 ..EXPERIMENT/ MAGNON DISPERSION/ FERROMAGNETIC PHASE/ 4.5K
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4.222 RUBIDIUM FLUOMANGANATE RB,MN,F3

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70-HA-01  HARADA, AXE+      K,TA,O3/ SR,TI,O3/ RB,MN,F3 ..EXPERIMENT/INELASTIC STRUCTURE FACTOR/ PHONON EIGENVECTOR/ FERR
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4.223 RUBIDIUM FLUORIDE RB,F

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70-RA-07  RAUNIO, ROLANDSON      NA,CL/ K,CL/ RB,CL/ RB,F ..SHELL MODEL FITTING/ FREQUENCY SPECTRUM/ DEBYE TEMPERATURE
70-RA-08  RAUNIO, ROLANDSON      RB,CL/ RB,F ..EXPERIMENT/ CONST,-Q/ LATTICE DYNAMICS/ DISPERSION RELATION ..80DK/ DEFORM
70-RA-09  RAUNIO, ROLANDSON      NA,CL/ K,CL/ RB,CL/ RB,F ..THEORY/ DISPERSION CURVES/ SHELL MODEL
72-LA-02  LAL, VERMA      RB,F/ RB,CL/ RB,BR/ RB,I ..THEORY/ PHONON DISPERSION/ SHELL MODEL
75-JA-01  JAIN, SRIVASTAVA      RB,F ..THEORY/ PHONON DISPERSION
75-SN-01  SNEH, DAYAL      NA,F/ RB,F ..THEORY/ PHONON DISPERSION/ SIMPLE SHELL MODEL
77-GO-03  GOEL, DAYAL      RB,F/ RB,CL/ RB,BR/ RB,I ..PHONON DISPERSION CURVE/ THREE-BODY FORCE SHELL MODEL
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4.224 RUBIDIUM FLUOSILICATE RB2,SI,F6

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76-CH-07  CHODOS, BLACK+      CS2,MN,F6/ K2,SI,F6/ RB2,SI,F6/ CS2,SI,F6/ K2,GE,F6 ..EXPERIMENT/ THEORY/ DIPERSION RELATIO
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4.225 RUBIDIUM HYDROSULFIDE RB.S.H

73-RO-02 ROWE, LIVINGSTON+ CS.S.H/ RB.S.H ..EXPERIMENT/ QUASI-ELASTIC PEAK/ MOLECULAR ROTATIONS/ MEAN SQUARE DISPLA

4.226 RUBIDIUM IODIDE RB.I

60-SA-01 SAUNDERSON RB.I ..EXPERIMENT/ LATTICE DYNAMICS
65-HA-02 HARDY, KARO RB.I ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
66-SA-05 SAUNDERSON RB.I ..EXPERIMENT/ PHONON FREQUENCY/ PRESSURE EFFECT
70-RA-10 RAUNIO, ROLANDSON RB.I ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL FITTING
72-LA-02 LAL, VERMA RB.F/ RB.CL/ RB.BR/ RB.I ..THEORY/ PHONON DISPERSION/ SHELL MODEL
74-KR-01 KRESS RB.I ..THEORY/ PHONON DISPERSION/ GRRUNEISEN CONSTANT/ BREATHING SHELL MODEL
75-BL-01 BLASCHKO, ERNST+ RB.I ..PHONON FREQUENCY/ PRESSURE EFFECT/ GRUENENSEN PARAMETER
77-GO-03 GOEL, DAYAL RB.F/ RB.CL/ RB.BR/ RB.I ..PHONON DISPERSION CURVE/ THREE-BODY FORCE SHELL MODEL

4.227 RUBIDIUM MANGANESE CHLORIDE RB2.MN.CL4

76-ST-10 STROBEL, GEICK K2.MN.F4/ RB2.MN.CL4 ..RIGID-ION MODEL/ CALCULATION/ LATTICE DYNAMICS/ SHORT-RANGE FORCE CO

4.228 RUBIDIUM MANGANESE-MAGNESIUM FLUORIDE RB2.MN0.5.MG0.5.F4

76-SH-09 SHIRANE, BIRGENEAU K2.CO.F4/ K2.NI.F4/ RB2.MN0.5.NI0.5.F4/ RB2.MN0.5.MG0.5.F4/ TMMC ..EXPERIMENT/ MAGNETIC

4.229 RUBIDIUM MANGANESE-NICKEL FLUORIDE RB2.MN0.5.NI0.5.F4

76-SH-09 SHIRANE, BIRGENEAU K2.CO.F4/ K2.NI.F4/ RB2.MN0.5.NI0.5.F4/ RB2.MN0.5.MG0.5.F4/ TMMC ..EXPERIMENT/ MAGNETIC

4.230 RUTILE TI.O2

70-KA-03 KATIYAR RUTILE ..THEORY/ LATTICE DYNAMICS ..MULTIPLIER GROUP APPROACH
70-TR-01 TRYLOR TI.O2 ..EXPERIMENT/ DISPERSION RELATION/ RIGID ION MODEL/ SHELL MODEL/ FREQUENCY SPECTRUM/ DIEL
71-KA-01 KATIYAR TI.O2 ..EXPERIMENT/ PHONON DISPERSION/ MODEL FITTING/ SHELL MODEL
71-TR-01 TRAYLOR, SMITH+ TI.O2 ..EXPERIMENT/ DISPERSION CURVE/ NEUTRON SCATTERING/ THEORY/ FREQUENCYSPECTRUM ..TEMP

4.231 RUTHENIUM TETROXIDE RU.O4

72-MC-01 MCDOWELL, ASPREY+ RU.O4 ..EXPERIMENT ..INFRARED AND RAMAN SPECTRA/ VAPOR AND LIQUID PHASE/ ANHARMONICITY/

4.232 SILANE SI.H4

72-HA-04 HAUTECLER, VORDERWISCH SI.H4 ..EXPERIMENT/ TOF SPECTRA/ GAS AND LIQUID STATE

4.233 SILICA SI.O2

69-LE-01 LEADBETTER SILICA/ QUARTZ/ CRISTOBALITE ..EXPERIMENT/ COLLECTIVE VIBRATION/ AMORPHOUS SOLID ..TOF/ SILICA/

4.234 SILICON CARBIDE SI.C

69-HO-01 HODGES SI.C ..THEORY/ SOLID/ LATTICE DYNAMICS
69-VE-01 VETELINO, MITRA SI.C ..LATTICE DYNAMICS/ SOLID/ THEORY/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
71-BA-05 BANERJEE, VARSHNI ZN.S/ GA.P/ SI.C ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRA/ DEBYE TEMPERATURE
74-PA-04 PANDEY SI.C/ ZN.S ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..POLYTYPE/ FORCE CONSTANT MODEL
75-KU-05 KUNC, BALKANSKI+ THEORY-OF-SOLIDS/ ZN.S/ SI.C/ AL.SB/ GA.AS/ GA.SB/ IN.SB/ ZN.SE/ ZN.TE/ CD.TE/ CU.I/ CU.B
77-SI-03 SINGH, ROY SI.C ..THEORY/ PHONON DISPERSION/ SIX-PARAMETER RIGID ION MODEL

4.235 SILICON NITRIDE SI3.N4

76-JO-01 JORGENSEN, WORLTON+ SI3.N4 ..NEUTRON DIFFRACTION/ HIGH PRESSURE

4.236 SILICON TETRACHLORIDE SI.CL4

76-CL-03 CLARKE, DORE+ C.CL4/ SI.CL4/ TI.CL4/ GE.CL4/ SN.CL4/ SI.CL4-TI.CL4/ SN.CL4-TI.CL4..LIQUID STRUCTURE/ NEUTR

4.237 SILVER BROMIDE AG.BR

72-FI-01 FISCHER, BILZ+ AG.CL/ AG.BR ..THEORY/ PHONON DISPERSION/ PHONON DENSITY/ SHELL MODEL
72-HA-06 HAWRANEK, LOWNDES AG.BR ..THEORY/ PHONON DISPERSION/ STATE DENSITY/ DEFORMATION DIPOLE MODEL
74-KA-03 KANZAKI, SAKURAGI+ AG.BR ..DISPERSION-CURVES ..(111)-DIRECTION
75-BU-02 BUEHRER AG.BR ..EXPERIMENT/ PHONON DISPERSION/ 80 AND 295K/ 12-PARAMETER MODEL FITTING/ FREQUENCY DISTR
75-VO-01 VON-DER-OSTEN, DORNER AG.BR ..DISPERSION RECATION
76-DO-02 DORNER, VON-DER-OSTEN+ AG.BR ..EXPERIMENT/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ SOLID ..85DK
76-SI-02 SINGH, SINGH AG.BR ..THEORY/ THREE-BODY-FORCE SHELL MODEL/ PHONON DISPERSION
76-WO-01 WOOD, MOSTOLLER AG.CL/ AG.BR ..THEORY/ PHONON/ EFFECTS OF INTERSTITIAL ATOMS
77-FU-01 FUJII, HOSHINO+ AG.BR ..PHONON-DISPERSION-CURVE/ DENSITY-OF-STATES ..4.4K

4.238 SILVER CHLORIDE AG.CL

70-VI-01 VIJAYARAGHAVAN, NICKLOW+ SILVER CHLORIDE ..EXPERIMENT/ LATTICE DYNAMICS/ 70DK/ DISPERSION CURVE/ DENSITY S
72-FI-01 FISCHER, BILZ+ AG.CL/ AG.BR ..THEORY/ PHONON DISPERSION/ PHONON DENSITY/ SHELL MODEL
72-SI-08 SINGH AG.CL ..MODEFIED SHELL MODEL/ THEORY
74-FI-01 FISCHER AG.CL ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ ANHARMONICITY/ FREQUENCY SPECTRUM
76-BE-03 BELLOMONTE AG.CL ..THEORY/ LATTICE DYNAMICS/ OVERLAP CHARGE/ DISPERSION CURVE
76-WO-01 WOOD, MOSTOLLER AG.CL/ AG.BR ..THEORY/ PHONON/ EFFECTS OF INTERSTITIAL ATOMS

4.239 SILVER GALLIUM SULFIDE AG.GA.S2

74-HO-01 HOLAH, WEBB+ AG.GA.S2 ..EXPERIMET/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION

4.240 SILVER IODIDE AG.I

75-BU-01 BUEHRER, BRUEESCH AG.I ..EXPERIMENT/ SOLID/ DISPERSION RELATION
75-FU-01 FUESS, FUNKE+ AG.I ..EXPERIMENT/ NEUTRON DIFFUSE SCATTERING/ DISORDER SCATTERING
76-BU-01 BUEHRER AG.I/ CU.I/ CU.BR ..NEUTRON DIFF./ SUPERIONIC CONDUCTOR
76-SH-03 SHAPIRO BA.F2/ PB.F2/ AG.I ..EXPERIMENT/ STRUCTURE ANALYSIS/ PHONON DISPERSION/ DIFFUSIVE MOTION
77-AL-01 ALBEN, BURNS SILVER IODIDE/ COPPER IODIDE ..EXPERIMENT/ HARMONIC LATTICE-DYNAMICS/ DENSITY OF STATES/ INFR

4.241 SILVER TRIHYDROGEN PARAPERIODATE AG2.H3.I.O6

76-RO-01 ROOS, KIND+ AG2.H3.I.O6/ (N.H4)2.H3.I.O6 ..LATTICE DYNAMICS/ PHASE TRANSITION/ THEORY

4.242 SODAMIDE NA.N.H2

71-DA-01 DAY, SINCLAIR ZR-H/ H2.O/ C6.H7.N/ NA.N.H2 ..EXPERIMENT/ TOF SPECTRA/ PULSED NEUTRON SOURCE
71-DA-02 DAY, SINCLAIR ZR-H/ H2.O/ SODAMIDE/ ANILINE ..EXPERIMENT/ MOLECULAR DYNAMICS/ LINAC PULSED NEUTRON SOURCE

4.243 SODIUM AZIDE NA.N3

70-RA-05 RAO, TREVINO NA.N3 ..THEORY/ LATTICE DYNAMICS/ GROUP-THEORETICAL ANALYSIS
72-RA-02 RAFIZADEH, YIP+ NA.N3 ..EXPERIMENT/ THEORY/ TIME OF FLIGHT/ DISPERSION RELATION/ FREQUENCY/ DISTRIBUTION
77-KA-03 KANNEY, GILLIS+ SODIUM AZIDE ..CALCULATION/ ZONE CENTER FREQUENCY/ DISPERSION CURVE/ FREQUENCY DISTRIBUTIO

4.244 SODIUM BROMIDE NA.BR

68-BU-06 BUYERS, SMITH K.CL/ K.BR/ NA.I/ NA.CL/ NA.BR/ NA.F ..THEORY/ DEBYE-WALLER FACTOR ..TEMPERATURE DEPENDENCE/
68-ME-01 MELVIN, PIRIE+ NA.F/ NA.CL/ NA.BR/ NA.I ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ..SHELL MODEL/ IONIC
70-RE-01 REID, SMITH+ NA.BR ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTR...295DK/ RIGID SHE
70-RE-02 REID, SMITH NA.F/ NA.CL/ NA.BR/ NA.I/ K.CL/ K.BR ..THEORY/ SOLID/ DEBYE-WALLER FACTOR ..SHELL MODEL/ ROOT
70-SI-05 SINGH, VERMA NA.F/ NA.BR/ NA.CL/ NA.I ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..MODIFID SHE
71-NA-03 NAMJOSHI, MITRA NA.BR ..THEORY/ PHONON DISPERSION/ BREATHING SHELL MODEL
73-BA-03 BASU, SENGUPTA NA.CL/ NA.BR/ K.I/ K.CL/ K.BR ..THEORY/ DEFORMABL SHELL MODEL/ PHONON DISPERSION/ FREQUENCY
77-BO-02 BOLONIN NA.BR/ K.I/ NA.CL/ K.CL ..DISPERSION RELATION/ EXPERIMENT/ ELASTIC CONSTANT

4.245 SODIUM CHLORIDE NA.CL

66-AL-01 ALMQVIST, RAUNIO+ NA.CL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..80DK
68-BE-01 BENEDEK, NARDELLI NA.CL/ K.CL ..DISPERSION RELATION/ THEORY/ LATTICE DYNAMICS
68-BU-06 BUYERS, SMITH K.CL/ K.BR/ NA.I/ NA.CL/ NA.BR/ NA.F ..THEORY/ DEBYE-WALLER FACTOR ..TEMPERATURE DEPENDENCE/
68-ME-01 MELVIN, PIRIE+ NA.F/ NA.CL/ NA.BR/ NA.I ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ..SHELL MODEL/ IONIC
69-RA-02 RAUNIO, ALMQVIST+ NA.CL ..DISPERSION RELATION/ EXPERIMENT/ SOLID ..80DK/ 300DK
69-RA-04 RAUNIO NA.CL/ K.CL/ RB.CL ..EXPERIMENT/ PHONON WIDTH/ 80, 300DK
70-KU-02 KUCHER, SHCHUR NA.CL ..PHONON DISPERSION
70-RA-07 RAUNIO, ROLANDSON NA.CL/ K.CL/ RB.CL/ RB.F ..SHELL MODEL FITTING/ FREQUENCY SPECTRUM/ DEBYE TEMPERATURE
70-RA-09 RAUNIO, ROLANDSON NA.CL/ K.CL/ RB.CL/ RB.F ..THEORY/ DISPERSION CURVES/ SHELL MODEL
70-RE-02 REID, SMITH NA.F/ NA.CL/ NA.BR/ NA.I/ K.CL/ K.BR ..THEORY/ SOLID/ DEBYE-WALLER FACTOR ..SHELL MODEL/ ROOT

70-SC-01 SCHMUNK NA,CL ..LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ SOLID
70-SC-02 SCHMUNK, WINDER NA,CL ..PHONON DISPERSION
70-SI-05 SINGH, VERMA NA,F/ NA,BR/ NA,CL/ NA,I ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..MODIFID SHE
71-NA-02 NAMJOSHI, MITRA+ THEORY-OF-SOLIDS/ NA,F/ NA,CL ..LATTICE DYNAMICS/ DISPERSION RELATION/ RIGID ION MODEL US
73-BA-03 BASU, SENGUPTA NA,CL/ NA,BR/ K,I/ K,CL/ K,BR ..THEORY/ DEFORMABL SHELL MODEL/ PHONON DISPERSION/ FREQUENCY
73-SA-03 SANGSTER MG,O/ NA,CL/ LI,F/ K,I ..INTERIONIC FORCE/ PHONON DISPERSION/ DEFORMABLE SHELL MODEL
74-AB-01 ABRAMO, PARRINELLO+ NA,CL ..SCATTERING THEORY/ MOLTEN SALTS
74-LA-01 LANTELME, TURQ+ NA,CL ..THEORY/ FUSED SALT/ RADIAL DISTRIBUTION FUNCTION
76-BO-04 BOLONIN NA,CL/ K,CL ..THEORY/ PHONON DISPERSION
76-CO-09 COWLEY, JACUCCI+ SODIUM CHLORIDE ..THEORY/ ANHARMONIC EFFECT/ MODEL CALCULATION/ DYNAMICAL STRUCTURE FACTO
77-BO-02 BOLONIN NA,BR/ K,I/ NA,CL/ K,CL ..DISPERSION RELATION/ EXPERIMENT/ ELASTIC CONSTANT
77-HA-02 HARDY, KARO NA,CL/ K,CL/ RB,CL ..THEORY/ LATTICE DYNAMICS/ CENTRAL-FORCE MODELS ..THERMAL EXPANSION/ HEAT
77-SO-01 SOPER, NIELSEN+ NI,CL2/ NA,CL ..NEUTRON DIFFRACTION EXPERIMENT/ HYDRATION NUMBER

4.246 SODIUM CYANIDE NA,C,N

75-RO-03 ROWE, RUSH+ K,C,N/ NA,C,N ..EXPERIMENT/ PHONON DISPERSION
76-BI-01 BILL, JEX+ K,C,N / NA,C,N ..DISPERSION RELATION/ SHELL MODEL/ ROTATIONAL EFFECT

4.247 SODIUM DIHYDROGEN FLUORIDE NA,H2,F3

63-BO-02 BOUTIN, SAFFORD H,F/ K,H,F2/ K,H2,F3/ NA,H2,F3 ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS

4.248 SODIUM FLUORIDE NA,F

67-BU-02 BUYERS NA,F ..EXPERIMENT/ PHONON DISPERSION/ MODEL CALCULATION
68-ME-01 MELVIN, PIRIE+ NA,F/ NA,CL/ NA,BR/ NA,I ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ..SHELL MODEL/ IONIC
69-HA-03 HARDY, KARO+ NA,F ..LATTICE DYNAMICS/ THEORY/ EXPERIMENT ..RAMAN SPECTRUM/ 300DK
69-KA-03 KARO, HARDY NA,F ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY SPECTRA ..RIGID-ION MODEL/ DEF
70-RE-02 REID, SMITH NA,F/ NA,CL/ NA,BR/ NA,I/ K,CL/ K,BR ..THEORY/ SOLID/ DEBYE-WALLER FACTOR ..SHELL MODEL/ ROOT
70-SI-05 SINGH, VERMA NA,F/ NA,BR/ NA,CL/ NA,I ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..MODIFID SHE
71-NA-02 NAMJOSHI, MITRA+ THEORY-OF-SOLIDS/ NA,F/ NA,CL ..LATTICE DYNAMICS/ DISPERSION RELATION/ RIGID ION MODEL US
74-GH-01 GHOSH, BASU+ NA,F ..DISPERSION-CURVES/ DENSITY-OF-STATES/ THEORY
75-SN-01 SNEH, DAYAL NA,F/ RB,F ..THEORY/ PHONON DISPERSION/ SIMPLE SHELL MODEL
76-LO-02 LOIDL, DAUBERT+ NA,F ..EXPERIMENT/ TRIPLE-AXIS SPECTROMETER/ SOLID/ ANHARMONICITY ..295,500,600,700DK
76-LO-03 LOIDL, DAUBERT+ NA,F ..EXPERIMENT/ PHONON DISPERSION/ FIRST SOUND REGION/ 295,500,600,700K
77-YO-04 YOSHIZAWA, HIRAKAWA NA,F ..EXPERIMENT/ PHONON DISPERSION/ MELTING TEMPERTURE

4.249 SODIUM HYDROGEN CARBONATE NA,H,C,O3

70-CO-02 COLLINS, HAYWOOD+ K,H,F2/ CS,H,CL2/ NA,H,C,O3/ K,C2,CL3,O2/ K,C2,F3,O2 ..EXPERIMENT/ MOLECULAR DYNAMICS/ F

4.250 SODIUM HYDROGEN FLUORIDE NA,H,F2

72-GH-02 GHOSH, WADDINGTON+ NA,H,F2/ CS,H,CL2/ H,CR,O2/ H,CO,O2/ K,H,(C,CL3,C,O2)2 ..EXPERIMENT/ NEUTRON SPECTROSCO
72-RU-01 RUSH, SCHROEDER+ K,H,F2/ NA,H,F2 ..NEUTRON SPECTROSCOPY/ RAMAN, INFRARED SPECTROSCOPY
73-SM-02 SMITH, TEMME+ NA,H,F2/ K,H,F2/ CS,H,CL2/ CS,H,BR2 ..EXPERIMENT/ FREQUENCY SPECTRA/ TOF SPECTRA

4.251 SODIUM HYDROSULFIDE NA.S.H

73-RU-02 RUSH, DE-GRAFF+ NA.S.H/ CS.S.H ..THEORY/ EXPERIMENT/ QUASI-ELASTIC PEAK/ SIGMA (THETA,E) ..SH-ION LIBRATIO

4.252 SODIUM HYPEROXIDE NA.O2

76-BR-03 BRUESCH, BOSCH+ NA.O2 ..EXPERIMENT/ CALCULATION

4.253 SODIUM IODIDE NA.I

60-WO-01 WOODS, COCHRAN+ NA.I ..EXPERIMENT/ DISPERSION RELATION
63-CO-03 COCHRAN, COWLEY+ K.BR/ NA.I ..THEORY/ PHONON DISPERSION
63-WO-02 WOODS, BROCKHOUSE+ K.BR/ NA.I ..EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS ..90DK
66-CO-03 COWLEY, COWLEY K.BR/ NA.I/ THEORY-OF-SOLIDS ..THEORY/ ANHARMONICITY/ PHONON DISPERSION
68-BU-06 BUYERS, SMITH K.CL/ K.BR/ NA.I/ NA.CL/ NA.BR/ NA.F ..THEORY/ DEBYE-WALLER FACTOR ..TEMPERATURE DEPENDENCE/
68-ME-01 MELVIN, PIRIE+ NA.F/ NA.CL/ NA.BR/ NA.I ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ..SHELL MODEL/ IONIC
68-QU-01 QUITTNER, VUKOVICH+ NA.I ..EXPERIMENT/ LATTICE DYNAMICS ..PRESSURE EFFECTS/ 3000 ATM
70-KU-01 KUCHER, TOMASEVICH NA.I ..THEORY/ SOLID/ FREQUENCY DISTRIBUTION
70-RE-02 REID, SMITH NA.F/ NA.CL/ NA.BR/ NA.I/ K.CL/ K.BR ..THEORY/ SOLID/ DEBYE-WALLER FACTOR ..SHELL MODEL/ ROOT
70-SI-05 SINGH, VERMA NA.F/ NA.BR/ NA.CL/ NA.I ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..MODIFID SHE
73-MI-05 MITRA, SINGH LI.H/ NA.I/ LI.F/ LI.CL/ LI.BR/ K.F/ K.CL/ K.BR/ K.I/ RB.I ..THEORY/ LATTICE DYNAMICS/ FORCE
75-BI-04 BILZ, BUCHANAN+ NA.I ..THEORY/ OVERLAP POLARIZATION/ SHELL MODEL
76-DI-02 DIXON, SANGSTER NA.I ..THEORY/ MOLECULAR DYNAMICS/ DISPERSION RELATION/ DIFUSION PARAMETER/ PAIR-DISTRIBUT

4.254 SODIUM NITRATE NA.N.O3

70-RA-03 RAO, TREVINO+ NA.N.O3 ..THEORY/ GROUP-THEORETICAL ANALYSIS/ LATTICE DYNAMICS
70-SA-02 SAKURAI, COWLEY+ NA.N.O3 ..EXPERIMENT/ 3-AXIS SPECTROMETER/ DISPERSION RELATION
71-LO-01 LOGAN, TREVINO+ NA.N.O3 ..EXPERIMENT/ PHONON DISPERSION
73-PL-02 PLIHAL NA.N.O3 ..THEORY/ PHONON DISPERSION/ PHONON DENSITY/ SPECIFIC HEAT

4.255 SODIUM NITRITE NA.N.O2

69-CO-01 COCHRAN NEUTRON-SCATTERING-IN-SOLIDS/ BA.TI.O3/ K.H2.P.O4/ NA.N.O2 ..THEORY/ DIELECTRIC/ CRITICAL SCATT
70-DO-04 DOLLING, SAKURAI+ NA.N.O2 ..PHONON DISPERSION
75-BO-01 BONILLA, RUTT NA.N.O2 ..RAMAN SPECTRA/ ANGULAR DISPERSION/ INTERNAL PHONON

4.256 SODIUM NIOBATE NA.NB.O3

72-AH-02 AHTEE, GLAZER+ NA.NB.O3 ..THEORY/ PHASE TRANSITION/ SOFT PHONON
76-DE-02 DENOYER, LAMBERP+ NA.NB.O3 ..EXPERIMENT/ SOLID/TRIPLE AXIS SPECTROMETE ..PHASE TRANSITION/ 620-710DC

4.257 SODIUM RHENIUM HYDRIDE NA2.RE.H9

72-WH-02 WHITE, WRIGHT K2.RE.H9/ NA2.RE.H9 ..EXPERIMENT/ N-SPECTROSCOPY/ MOLECULAR VIBRATION

4.258 STRONTIUM CHLORIDE SR.CL2

73-DE-01 DENHAM, MORSE+ SR.CL2 ..INFRA-RED, RAMAN SPECTRA/ PHONON DISPERSION.FREQUENCY SPECTRA CALCULATION
76-SA-02 SADOC, PEPY SR.CL2 ..EXPERIMENT/ DISPERSION RELATION/ SOLID/ TRIPLE AXIS SPECTROMETER/ INELASTIC NEUTRON

4.259 STRONTIUM FLUORIDE SR.F2

70-DE-03 DENHAM, FIELD+ CA.F2/ SR.F2/ BA.F2/ CD.F2/ PB.F2 ..THEORY/ LATTICE DYNAMICS/ FREQUENCY SPECTRA/ DISPERSION
71-MA-04 MAIR, BARNEA SR.F2 ..ANHARMONIC EFFECT
72-EL-01 ELCOMBE SR.F2 ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL FITTING/ STATE DENSITY
72-KU-01 KUEHNER, WAGNER SR.F2/ BA.F2 ..THEORY/ PHONON DISPERSION/ GENERALIZED SHELL MODEL/ VIBRONIC SPECTRA
76-TH-01 THOMAS BA.F2/ SR.F2 ..NEUTRON DIFFRACTION/ TEMPERATURE EFFECT

4.260 STRONTIUM OXIDE SR.O

71-CA-01 CALTIER, MONTANER MG.O/ CA.O/ SR.O/ BA.O ..THEORY/ PHONON DISPERSION
75-RI-01 RIEDER, MIGONI SR.O ..EXPERIMENT/ SOLID/ INELASTIC NEUTRON SCATTERING/ DISPERSION RELATION/ LATTICE DYNAMI
75-UP-02 UPADHYAYA, SINGH CA.O/ SR.O ..THEORY/ LATTICE DYNAMICS/ THREE BODY FORCE SHELL MODEL/ DHONON DISPERSION/ D
75-UP-04 UPADHYAYA, SINGH CA.O/ SR.O ..THEORY/ LATTICE DYNAMICS/ THREE-BODY FORCE SHELL MODEL/ PHONON DISPERSION/ D
77-AG-01 AGARWAL SR.O ..THEORY/ PHONON DISPERSION/ THREE BODY FORCE SHELL MODEL

4.261 STRONTIUM TITANATE SR.TI.O3

62-CO-05 COWLEY SR.TI.O3 ..EXPERIMENT/ DISPERSION RELATION
63-CO-08 COWLEY SR.TI.O3 ..DISPERSION RELATION/ EXPERIMENT/ LATTICE DYNAMICS ..TEMPERATURE DEPENDENCE
64-CO-02 COWLEY SR.TI.O3 ..DISPERSION RELATION/ EXPERIMENT/ LATTICE DYNAMICS
66-SO-01 SOLOVEV, KUKHTO+ SR.TI.O3/ BA.TI.O3/ PB.TI.O3 ..EXPERIMENT/ LATTICE VIBRATION ..POLYCRYSTAL/ ROOM TEMP/ 47
68-CO-11 COWLEY, BUYERS+ K.BR/ SR.TI.O3 ..THEORY/ EXPERIMENT/ LATTICE DYNAMICS/ ELASTIC CONSTANT ..NEUTRON MEASUREM
68-CO-13 COWLEY, SVENSSON+ K.BR/ SR.TI.O3/ K.H2.P.O4 ..ELASTIC CONSTANT/ SOUND VELOCITY/ ANHARMONICITY
68-FL-01 FLEURY, SCOTT+ SR.TI.O3 ..RAMAN SPECTROSCOPY
69-CO-09 COWLEY, BUYERS+ SR.TI.O3 ..PHASE TRANSITION/ LATTICE VIBRATION
69-MO-01 MONTGOMERY ZN.S/ DIAMOND/ SR.TI.O3 ..GROUP THEORY/ LATTICE VIBRATION ..SYMMETRY PROPERTIES
69-SH-06 SHIRANE, YAMADA SR.TI.O3 ..EXPERIMENT/ LATTICE DYNAMICS/ PHASE TRANSITION ..SOFT PHONON MODE
69-YA-01 YAMADA, SHIRANE SR.TI.O3 ..EXPERIMENT/ CONST.-Q/ DISPERSION RELATION/ TEMPERATURE DEPENDENCE ..4.5DK-300DK
70-HA-01 HARADA, AXE+ K.TA.O3/ SR.TI.O3/ RB.MN.F3 ..EXPERIMENT/INELASTIC STRUCTURE FACTOR/ PHONON EIGENVECTOR/ FERR
70-ZE-01 ZEIN, ZINENKO+ SR.TI.O3/ PB.ZR.O3 ..THEORY/ LATTICE DYNAMICS/ FERROELECTRICITY/ PHASE TRANSITION
71-IS-01 ISHIBASHI, TAKAGI BA.TI.O3/ SR.TI.O3 ..THEORY/ CALCULATION/ FORCE CONSTAT ANALYSIS
71-OT-01 OTNES, RISTE+ SR.TI.O3 ..EXPERIMENT/ SOFT PHONON/ CURIE-WEISS LAW/ PHASE TRANSITION
71-RI-01 RISTE, SAMUELSEN+ SR.TI.O3 ..PHASE TRANSITION/ CRITICAL SCATTERING/ SOFT PHONON/ CENTRAL PEAK
72-EN-01 ENZ SR.TI.O3 ..THEORY/ SOFT MODE/ CENTRAL PEAK S(Q,O)/ PHASE TRANSITION
72-II-02 IIZUMI, GESI+ SR.TI.O3 ..EXPERIMENT/ PHONON DISPERSION
72-IS-02 ISHIBASHI BA.TI.O3/ SR.TI.O3 ..THEORY/ FORCE CONSTANT
72-SH-03 SHAPIRO, AXE+ SR.TI.O3/ K.MN.F3 ..EXPERIMENT/ CRITICAL SCATTERING/ PHASE TRANSITION
72-SI-01 SILBERGLITT SR.TI.O3 ..THEORY/ SOFT MODE
72-ST-05 STIRLING SR.TI.O3 ..EXPERIMENT/ PHONON DISPERSION/ VARIOUS MODEL FITTING/ FREQUENCY DISTRIBUTION/ SPECIF
73-AX-01 AXE, SHAPIRO+ NB3.SN/ SR.TI.O3 ..EXPERIMENT/ PHASE TRANSITION/ SOFT MODE

73-II-02 IIZUMI, GESI+ SR,TI,O3 ..PHONON DISPERSION
73-ME-01 MEIER NB3,SN/ SR,TI,O3/ THEORY-OF-SOLIDS ..THEORY/ ANHARMONICITY ..SINGULAR WIDTH GAMMA/ QUASI-PARTIC
74-AX-03 AXE, SHAPIRO+ NB3,SN/ SR,TI,O3/ K,MN,F3/ LA,AL,O3 ..EXPERIMENT/ SOFT MODE/ CENTRAL PEAK PROBLEM
76-ST-07 STIRLING, CURRAT SR,TI,O3 ..EXPERIMENT/ PHONON DISPERSION
77-TO-01 TOEPLER, ALEFELD+ SR,TI,O3 ..EXPERIMENT/ SOLID/ QUASI-ELASTIC PEAK ..ANTIFERRODISTORTIVE PHASE TRANSITION/

4.262 SULFUR NITRIDE S,N

77-WE-05 WENDEL SULFUR NITRIDE ..VALENCE FORCE MODEL/ PHONON SPECTRA/ EXPERIMENT/ SOUND VELOCITY/ RAMAN STUDY

4.263 TANTALUM CARBIDE TA,C

70-SM-01 SMITH, GLAESER TA,C/ HF,C ..EXPERIMENT/ DISPERSION RELATION
71-SM-01 SMITH, GLAESER TA,C/ HF,C/ NB,C ..EXPERIMENT/ PHONON DISPERSION/ SUPERCONDUCTIVITY
72-MO-02 MOSTOLLER U,C/ HF,C/ TA,C/ NB,C ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL APPROACH
72-SM-03 SMITH TA,C ..PHONON DISPERSION
73-WE-02 WEBER TI,C/ ZR,C/ V,C/ NB,C/ TA,C/ U,C ..THEORY/ LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION/ FREQUE
75-VE-01 VERMA, GUPTA TA,C/ HF,C ..THEORY/ DISPERSION RELATION/ SOLID ..THREE-BODY-FORCE SHELL MODEL/ LONG-RANGE IO
76-GU-01 GUPTA, FREEMAN ZR,C/ HF,C/ NB,C/ TA,C ..THEORY/ PHONON DISPERSION/ PHONON SPECTRA/ APW ENERGY BAND CALCULA
76-GU-03 GUPTA, FREEMAN NB,C/ TA,C/ ZR,C/ HF,C ..THEORY/ PHONON ANOMALY/ GENERALIZED SUSCEPTIBILITY
76-KL-01 KLEIN, BOYER+ TA,C/ NB,C/ HF,C ..APW MUFFIN-TIN CALCULATION/ FERMI SURFACE/ PHONON FREQUENCY

4.264 TANTALUM SULFIDE TA,S2

77-ZI-01 ZIEBECK, DÖRNER+ TA,S2 ..EXP./ PHONON DISPERSION/ KOHN ANOMALY

4.265 TELLURIUM DIOXIDE TE,O2

75-MC-03 MCWHAN, BIRGENEAU+ TE,O2 ..PHONON DISPERSION/ PRESSURE EFFECT/ PHASE TRANSITION

4.266 TERBIUM CHROMIUM OXIDE TB,CR,O3

77-SH-01 SHAMIR, MELAMUD+ PR,CR,O3/ ND,CR,O3/ TB,CR,O3/ HO,CR,O3/ ER,CR,O3 ..EXPERIMENT/ MAGNETIC SCATTERING / R,CR

4.267 TERBIUM VANADATE TB,V,O4

75-HU-02 HUTCHINGS, SCHERM+ TB,V,O4 ..INELASTIC NEUTRON SCATTERING/ JAHN-TELLER PHASE TRANSITION

4.268 THALLOUS CHLORIDE TL,CL

69-KA-01 KAMAL, MENDIRATTA TL,CL ..THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION/ SPECIFIC HEAT

4.269 THALLOUS BROMIDE TL,BR

67-CO-03 COWLEY, OKAZAKI TL.BR ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
75-SR-01 SRINIVASAN, LAKSHMI+ TL.BR ..THEORY/ PHONON DISPERSION/ SHELL-MODEL
75-SR-02 SRINIVASAN, LAKSHMI+ TL.BR ..THEORY/ GRUENEISEN PARAMETER/ SHELL MODEL

4.270 THIOUREA S.C.(N.H2)2

75-MC-01 MCKENZIE THIOUREA ..SOLID/ EXPERIMENT/ TRIPLE-AXIS-SPECTROMETER/ DISPERSION RELATION/ DEUTRATED THIOUREA
75-MC-02 MCKENZIE THIOUREA ..EXPERIMENT/ TRIPLE-AXIS-SPECTROMETER/ SOLID/ DEUTRATED THIOUREA ..ANTIFEROELECTRIC T

4.271 THORIUM DIOXIDE TH.O2

66-BE-03 BESHAI U/ U.O2/ TH.O2 ..EXPERIMENT/ TOTAL CROSS SECTION/ TOF

4.272 THULIUM IRON OXIDE TM.FE.O3

4.273 TIN DIOXIDE SN.O2

67-BR-02 BROVMAN, KAGAN SN/ SN.O2 ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ LATTICE DYNAMICS/ BORN-VON
71-KA-02 KATIYAR, DAWSON+ SN.O2 ..EXPERIMENT/ INFRARED/ RAMAN/ OPTICAL FREQUENCY/ DIELECTRIC CONSTANT/ THEORY/ DISP

4.274 TIN MOLYBDENUM SULFIDE SN.MO6.S8

76-BA-01 BADER, SINHA+ SN.MO6.S8/ PB.MO6.S8/ MO6.S8 ..EXPERIMENT/ PHONON SPECTRA/ MOLECULAR-CRYSTAL
76-BA-02 BADER, KNAPP+ LEAD MOLYBDENUM SULFIDE/ TIN MOLYBDENUM SULFIDE ..HEAT CAPACITY/ PHONON SPECTRA/ SUPERCONDUC
76-SI-04 SINHA, BADAR+ SN.MO6.S8/ PB.MO6.S8/ MO.SE8 ..EXPERIMENT/ PHONON SPECTRA

4.275 TIN SULFIDE SN.S2

77-VA-01 VAN-DER-VALK, HAAS PB.I2/ CD.I2/ SN.S2/ SN.SE2 ..THEORY/ SOLID/ LATTICE DYNAMICS ..POLARISABLE ION MODEL

4.276 TIN TETRACHLORIDE SN.CL4

76-CL-03 CLARKE, DORE+ C.CL4/ SI.CL4/ TI.CL4/ GE.CL4/ SN.CL4/ SI.CL4-TI.CL4/ SN.CL4-TI.CL4..LIQUID STRUCTURE/ NEUTR

4.277 TITANIUM CARBIDE TI.C

73-WE-01 WEBER TI.C/ ZR.C/ HF.C ..THEORY/ SOLID/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS ..SUPERCONDUCTOR/ ST
73-WE-02 WEBER TI.C/ ZR.C/ V.C/ NB.C/ TA.C/ U.C ..THEORY/ LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION/ FREQUE

4.278 TITANIUM OXIDE TI.O

77-AR-01 ARAI, HIRABAYASHI TI.O ..DIFFUSE SCATTERING/ TI.O(0.42)

4.279 TITANIUM SELENIDE TI.SE2

77-MO-02 MONCTON, DI-SALVO+ TI.SE2 ..EXPERIMENT/ PHONON DISPERSION/ LAYERED SEMI-METAL

4.280 TITANIUM TETRACHLORIDE TI.CL4

76-CL-03 CLARKE, DORE+ C.CL4/ SI.CL4/ TI.CL4/ GE.CL4/ SN.CL4/ SI.CL4-TI.CL4/ SN.CL4-TI.CL4..LIQUID STRUCTURE/ NEUTR

4.281 TMMC (C.H3)4.N.MN.CL3

76-SH-09 SHIRANE, BIRGENEAU K2.CO.F4/ K2.NI.F4/ RB2.MN0.5.NI0.5.F4/ RB2.MN0.5.MG0.5.F4/ TMMC ..EXPERIMENT/ MAGNETIC
77-HU-02 HUTCHINGS, WINDSOR TMMC ..EXPERIMENT/ SPIN-WAVE/ MAGNETIC SCATTERING

4.282 TUNGSTATE CA.W.O4

72-ST-04 STEINMAN, KING+ CA.W.O4 ..EXPERIMENT/ PHONON DISPERSION/ RIGID-ION, SHELL MODEL CALCULATION

4.283 URANIUM CARBIDE U.C

67-PA-04 PAN, YEATER+ ZR-H/ NB-H/ TI-H/ U.C ..EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
68-BO-02 BORGONOVI, CARRIVEAU U.C ..SOLID/ SIGMA (E) ..ROOM TEMPERATURE
68-LA-01 LAJEUNESSE, MOORE+ U.C ..THEORY/ EXPERIMENT/ CROSS SECTION/ FREQUENCY DISTRIBUTION
68-PU-01 PUROHIT, PAN+ U.C/ U.O2/ ZR-H/ TI-H/ NB-H/ TH-H ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT
68-SL-03 SLAGGIE U.C ..THEORY/ SOLID/ LATTICE DYNAMICS/ CENTRAL-FORCE MODELS/ BORN-VON KARMAN MODEL/ FREQUENCY D
72-MO-02 MOSTOLLER U.C/ HF.C/ TA.C/ NB.C ..THEORY/ PHONON DISPERSION/ PSEUDOPOTENTIAL APPROACH
76-GO-08 GOYAL, GOYAL U.C ..THEORY/ PHONON DISPERSION/ THREE-BODY-FORCE SHELL MODEL

4.284 URANIUM DIOXIDE U.O2

63-TH-02 THORSON, HAYWOOD U.O2 ..EXPERIMENT/ SOLID/ SCATTERING LAW/ FREQUENCY DISTRIBUTION/ TOF ..22 DC
65-DO-01 DOLLING, COWLEY+ U.O2 ..EXPERIMENT/ THEORY/ DISPERSION RELATION ..296DK/ 7-PARAMETER RIGID ION MODEL/ TRIP
65-WO-04 WOODS, DOLLING+ U.O2 ..CRYSTAL DYNAMICS/ DISPERSION RELATION/ EXPERIMENT
66-AD-01 ADKINS, PERSIANI+ U.O2 ..THEORY/ LATTICE DYNAMIC/ FREQUENCY DISTRIBUTION ..ROSONANCE LINE SHAPES
66-BE-03 BESHAI U/ U.O2/ TH.O2 ..EXPERIMENT/ TOTAL CROSS SECTION/ TOF
67-BI-01 BISCHOFF, BRYANT+ POLYETHYLENE/ H2.O/ ZR-H/ NB-H/ U.O2 ..EXPERIMENT
68-BE-03 BEYSTER, BORGONOVI+ BIPHENYL/ ZR-H/ U.O2 ..LATTICE DYNAMICS/ SCATTERING FUNCTION
68-PU-01 PUROHIT, PAN+ U.C/ U.O2/ ZR-H/ TI-H/ NB-H/ TH-H ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT
68-TH-01 THORSON ZR-H/ U.O2 ..SCATTERING FUNCTION/ EXPERIMENT/ SOLID ..DIFFERENTIAL SCATTERING CROSS SECTION

4.285 UREA C.O.(N.H2)2

67-RU-03 RUSH UREA ..INELASTIC SCATTERING SPECTRA
68-TR-03 TREVINO UREA ..THEORY/ SOLID
71-MC-01 MCKENZIE, PRYOR UREA ..THEORY/ PHONON DISPERSION

73-LE-01 LEFEBVRE UREA ..PHONON DISPERSION/ X-RAY EXPERIMENT
75-LE-02 LEFEBRE, MORE+ UREA ..EXPERIMENT/ SOLID/ COHERENT SCATTERING/ DISPERSION RELATION/ DEUTRATED UREA

4.286 VANADIUM CARBIDE V.C

73-WE-02 WEBER TI.C/ ZR.C/ V.C/ NB.C/ TA.C/ U.C ..THEORY/ LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION/ FREQUE

4.287 VANADIUM HEPTOXIDE V4.O7

4.288 VANADIUM OXIDE V.O2

72-HE-01 HEARN V.O2 ..THEORY/ METAL-NONMETAL PHASE TRANSITION/ SOFT PHONON

4.289 VANADIUM PENTOXIDE V3.O5

4.290 VANADIUM SILICIDE V3.SI

71-DI-01 DIETERICH, SCHUSTER V3.SI ..THEORY/ PHONON DISERSION/ SOFT PHONON
71-SH-05 SHIRANE, AXE+ V3.SI ..EXPERIMENT/ PHONON DISPERSION/ TEMPERATURE DEPENDENCE
76-AC-01 ACHAR, BARSCH V3.SI
76-AC-02 ACHAR V3.SI ..THEORY/ PHONON DISPERSION/ TWO BAND MODEL
76-SC-03 SCHNEIDER, SCHWEISS+ V3.SI/ V3.GE/ V3.GA/ NB3.SN/ NB3.AL ..EXPERIMENT/ PHONON STATE DENSITY
77-RU-01 RUMYANTSEV, ZEMLYANOV+ V3.SI ..PHONON DISPERSION RELATION/ EXPERIMENT/ BORN-VON KARMAN MODEL/ TWO-BAND MOD

4.291 VANADIUM TRIOXIDE V2.O3

77-PA-01 PARETTE, RAO V2.O3 ..EXPERIMENT/ NEUTRON SMALL-ANGLE SCATTERING/ MAGNETIC MOMENT DENSITY/ MOTT TRANSITION

4.292 XENON TETROXIDE XE.O4

72-MC-02 MCDOWELL, ASPREY XE.O4 ..EXPERIMENT ..VAPOR/ FREQUENSY SHIFT AND ANHARMONICITY CORRECTIONS/ INFRARED AND R

4.293 YTTERBIUM IRON OXIDE YB.FE.O3

76-PA-04 PARANJPE, BEGUN YB.FE.O3 ..NEUTRON DIFFRACTION/ MAGNETIC FORM FACTOR

4.294 YTTRIUM ALUMINUM GARNET Y3.AL5.O12

76-VA-04 VASILKEVICH, GORBACHEV+ Y3.AL5.O12 ..YTTRIUM ALUMINIUM GARNET/ INELASTIC NEWTRON SCATTERING/ FREQUENCY DST

4.295 YTTRIUM VANADATE Y.V.O4

68-MI-03 MILLER, CASPERS+ Y.V.O4 ..EXPERIMENT/ LATTICE DYNAMICS ..INFRARED AND RAHMAN SPECTROSCOPY

4.296 ZINC-MANGANESE FERRITE (ZN-MN).FE2.O4

76-LI-01 LIGENZA (ZN-MN).FE2.O4 ..EXPERIMENT/ MAGNETIC INTERACTION

4.297 ZINC OXIDE ZN.O

70-HE-01 HEWAT ZN.O/ BE.O ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVES
70-WE-01 WEGENER, HAUTECLER ZN.O ..EXPERIMENT/ TOF/ DISPESION RELATION
70-WE-02 WEGNER ZN.O ..DISPERSION RELATION
74-TH-02 THOMA, DORNER+ ZN.O ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL FITTING WITH 10 PARAMETERS
76-KU-03 KUNC, BILZ ZN.SE/ ZN.O/ GA.P/ GA.AS/ GA.SB ..CALCULATION/ SHELL MODEL/ PHONON DISPERSION

4.298 ZINC SILICON PHOSPHIDE ZN.SI.P2

75-PO-01 POPLAVNON, TYNTEREV ZN.SI.P2 ..THEORY/ PHONON DISPERSION/ RIGID ION MODEL

4.299 ZINC SULFIDE ZN.S

69-FE-01 FELDKAMP, VENKATARAMAN+ ZN.S ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES ..CONST.-Q/ SIX-PARAMETER V
69-MO-01 MONTGOMERY ZN.S/ DIAMOND/ SR.TI.O3 ..GROUP THEORY/ LATTICE VIBRATION ..SYMMETRY PROPERTIES
69-VE-02 VETELINO, MITRA+ ZN.S ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVES ..RIGID ION MODEL
70-BE-04 BERGSMA MG2.SN/ ZN.S ..EXPERIMENT/ TRIPLE AXIS SPECTROMETER/ PHONON DISPERSION RELATION
70-BE-05 BERGSMA ZN.S ..EXPERIMENT/ DISPERSION CURVES ..RIGID ION MODEL/ SHELL MODEL
70-KU-03 KUNC, BALKANSKI+ ZN.S ..THEORY/ LATTICE DYNAMICS
70-KU-04 KUNG, BALKANSKI+ ZN.S ..THEORY/ PHONON DISPERSION AND SPECCTRUM/ TEN PARAMETER DEFORMED ION MODEL
71-BA-05 BANERJEE, VARSHNI ZN.S/ GA.P/ SI.C ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRA/ DEBYE TEMPERATURE
71-FE-01 FELDKAMP, STEINMAN+ ZN.S ..EXPERIMENT/ PHONON DISPERSION/ MODEL FITTING
74-AL-06 ALTSHULER, VEKILOV+ THEORY-OF-SOLIDS/ ZN.S ..PHONON DISPERSION/ RIGID ION MODEL
74-PA-04 PANDEY SI.C/ ZN.S ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..POLYTYPE/ FORCE CONSTANT MODEL
74-VA-01 VAGELATORS, WEHE+ ZN.S/ ZN.TE ..PHONON DISPERSION/ FREQENCY DISTRIBUTION/ INELASTIC NEUTRON SCATTERING
75-AL-02 ALTSHULER, VEKILOV+ SI/ GA.AS/ ZN.S ..THEORY/ DISPERSION RELATION/ LATTICE DYNAMICS ..PSEUDOPOTENTIAL METH
75-KU-03 KUNC, BLAKANSKI+ ZN.S/ ZN.SE ..THEORY/ PARAMETER OF DEFORMATION-DIPOL MODEL
75-KU-04 KUNC, BALKANSKI+ ZN.S/ ZN.SE/ GA.P/ GA.AS/ IN.SB/ SI.C/ CU.CL/ CU.I ..PHONON DISPERSION/ DENSITY OF PHONON
75-KU-05 KUNC, BALKANSKI+ THEORY-OF-SOLIDS/ ZN.S/ SI.C/ AL.SB/ GA.AS/ GA.SB/ IN.SB/ ZN.SE/ ZN.TE/ CD.TE/ CU.I/ CU.B
77-WE-04 WEINSTEIN ZN.TE/ ZN.SE/ ZN.S/ SI/ GA.P ..RAMAN SPECTRA/ METALLIC PHASE TRANSITION/ PHONON DISPERSION RELA

4.300 ZINC SULFIDE-SELENIDE ZN.(S-SE)

75-VA-03 VARSHNEY, VETELINO+ ZN.(S-SE)/ GA.(P-AS) ..THEORY/ MIXED CRYSTAL/ PHONON DISPERSION/ STATE DENSITY

4.301 ZIRCONIUM CARBIDE ZR.C

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72-SM-02  SMITH, WAKABAYASHI+      NB.C/ ZR.C/ TC/ ZR/ Y ..EXPERIMENT/ SUPERCONDUCTIVITY/ ELECTRON-PHONON INTERACTION
73-WE-01  WEBER            TI.C/ ZR.C/ HF.C ,.THEORY/ SOLID/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS ,.SUPERCONDUCTOR/ ST
73-WE-02  WEBER            TI.C/ ZR.C/ V.C/ NB.C/ TA.C/ U.C ..THEORY/ LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION/ FREQUE
76-GU-01  GUPTA, FREEMAN      ZR.C/ HF.C/ NB.C/ TA.C ..THEORY/ PHONON DISPERSION/ PHONON SPECTRA/ APW ENERGY BAND CALCULA
76-GU-02  GUPTA, VERMA      ZR.C ,.THEORY/ THREE BODY FORCE SHELL MODEL/ PHONON DISPERSION
76-GU-03  GUPTA, FREEMAN      NB.C/ TA.C/ ZR.C/ HF.C ..THEORY/ PHONON ANOMALY/ GENERALIZED SUSCEPTIBILITY
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5 INTERMETALLIC COMPOUNDS

5. 1 ALUMINIUM ANTIMONIDE AL.SB

75-KU-05 KUNC, BALKANSKI+ THEORY-OF-SOLIDS/ ZN.S/ SI.C/ AL.SB/ GA.AS/ GA.SB/ IN.SB/ ZN.SE/ ZN.TE/ CD.TE/ CU.I/ CU.B

5. 2 ARSENIC SELENIDE AS2.SE3

76-KU-01 KUKHTO, MIKHAILOV+ AS2.S3/ AS2.SE3 ..EXPERIMENT/ PHONON FREQUENCY SPECTRA

5. 3 CADMIUM TELLURIDE CD.TE

73-TA-02 TALWAR, AGRAWAL ZN.TE/ CD.TE ..CALCULATION/ SECOND-NEIGHBOR-IONIC MODEL
74-RO-04 ROWE, NICKLOW+ CD.TE ..EXPERIMENT/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..14PARAMETER SHELL MODEL
76-PL-01 PLUMELLE, VANDEVYVER ZN.TE/ CD.TE ..THEORY/ PHONON DISPERSION/ PHONON STATE DENSITY/ SHELL MODEL

5. 4 CALCIUM.MAGNESIUM2 CA.MG2

76-ES-01 ESCHRIG, FELDMANN+ CA.MG2 ..EXPERIMENT/ CALCULATION/ PHONON SPECTRA
77-ES-01 ESHRIG, FELDMANN+ CA.MG2 ..THEORY/ PSEUDOPOTENTIAL MODEL/ PHONON DISPERSION/ DENSITY OF STATES

5. 5 CERIUM.ALUMINIUM3 CE.AL3

76-AL-03 ALEKSEEV, SADIKOV+ CE.AL3 ..EXPERIMENT/ TOF/ THEORY/ SIGMA(THETA,E) ..MAGNETIC SCATTERING/ EFECTIVE POINT
76-ED-01 EDELSTEIN, MAJEWSKI+ CE.AL3/ CE-TH ..EXPERIMENT/ QUASIELASTIC

5. 6 CESIUM RUBIDIUM CS.RB

77-EL-02 ELLENSON, SEMMINGSEN+ CS.RB ..EXPERIMENT/ PHONON DISPERSION

5. 7 (CHROMIUM-IRON).ANTIMONIDE (CR-FE).SB

76-HE-03 HELLNER, HEGER+ (CR-FE).SB ..NEUTRON DIFFRACTION/ CR, FE DISTRIBUTION

5. 8 COPPER2.MANGANESE.ALUMINIUM CU2.MN.AL

76-KR-01 KRASNICKI CU2.MN.AL ..EXPERIMENT/ MAGNON DISPERSION
77-TA-01 TAJIMA, ISHIKAWA+ CU2.MN.AL ..EXPERIMENT/ MAGNON DISPERSION/ TEMPERATURE EFFECT

5. 9 DYSPROSIUM ANTIMONIDE DY.SB

5. 10 ERBIUM.ALUMINIUM3 ER.AL3

5. 11 ERBIUM.IRON2 ER.FE2

76-RH-01 RHYNE, KOON+ ER.FE2 ..EXPERIMENT/ MAGNON DISPERSION

5. 12 GALLIUM ANTIMONIDE GA.SB

73-FA-01 FARR GA.SB ..THESIS/ LATTICE DYNAMICS/ DISPERSION/ PHONON SPECTRA/ DEBYE TEMP.
75-FA-01 FARR, TRAYLOR+ GA.SB ..LATTICE DYNAMICS/ COHERENT INELASTIC SCATTERING
76-KU-03 KUNC, BILZ ZN.SE/ ZN.O/ GA.P/ GA.AS/ GA.SB ..CALCULATION/ SHELL MODEL/ PHONON DISPERSION

5. 13 GALLIUM ARSENIDE GA.AS

63-WA-01 WAUGH, DOLLING GA.AS ..EXPERIMENT/ DISPERSION RELATION
65-DO-03 DOLLING, WAUGH GA.AS ..EXPERIMENT/ DISPERSION RELATION
66-DO-02 DOLLING, COWLEY GE/ SI/ DIAMOND/ GA.AS ..COHERENT INELASTIC SCATTERING STUDIES/ PHONON DISPERSION
70-KO-03 KOROL GA.AS ..THEORY/ PHONON DISPERSION
75-AL-02 ALTSHULER, VEKILOV+ SI/ GA.AS/ ZN.S ..THEORY/ DISPERSION RELATION/ LATTICE DYNAMICS ..PSEUDOPOTENTIAL METH
75-KU-04 KUNC, BALKANSKI+ ZN.S/ ZN.SE/ GA.P/ GA.AS/ IN.SB/ SI.C/ CU.CL/ CU.I ..PHONON DISPERSION/ DENSITY OF PHONON
75-KU-05 KUNC, BALKANSKI+ THEORY-OF-SOLIDS/ ZN.S/ SI.C/ AL.SB/ GA.AS/ GA.SB/ IN.SB/ ZN.SE/ ZN.TE/ CD.TE/ CU.I/ CU.B
76-KU-03 KUNC, BILZ ZN.SE/ ZN.O/ GA.P/ GA.AS/ GA.SB ..CALCULATION/ SHELL MODEL/ PHONON DISPERSION

5. 14 GALLIUM MONOSELENIDE GA.SE

76-JA-04 JANDL, BREBNER+ GA.SE ..EXPERIMENT/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ BORN-VON KARMAN MODEL/ DE

5. 15 GALLIUM SESQUISELENIDE GA2.SE3

75-FI-03 FINKMAN, TAUC+ IN2.TE3/ GA2.SE3/ GA2.S3 ..INFRARED, RAMAN SPECTRA/ DEFECT STRUCTURE/ DISPERSION CURVES

5. 16 HOLMIUM.ALUMINIUM2 HO.AL2

76-BA-03 BARBARA, BOUCHERLE+ HO.AL2 ..POLARIZED NEUTRON DIFFRACTION

5. 17 HOLMIUM ANTIMONIDE HO.SB

5. 18 HOLMIUM.COBALT2 HO.CO2

77-GI-01 GIGNOUX, GIVORD+ HO.CO2 ..NEUTRON DIFFRACTION/ POLARISED NEUTRON

5. 19 (HOLMIUM-TERBIUM).IRON2 (HO-TB).FE2

75-DU-01 DUBLON, SHAKED (HO-TB).FE2 ..NEUTRON DIFFRACTION

5. 20 HOLMIUM.ZINC HO.ZN

77-PI-02 PIERRE, SCHMITT+ HO.ZN ..EXP./ MAGNON DISPERSION/ 4.2K

5. 21 INDIUM ANTIMONIDE IN.SB

71-PR-04 PRICE, ROWE+ SN/ IN.SB ..EXPERIMENT/ PHONON DISPERSION CURVE ..90DK FOR SN/ 300DK FOR IN.SB
71-PR-05 PRICE, ROWE SN/ IN.SB ..EXPERIMENT/ PHONON DISPERSION/ SHELL MODEL CALCULATION
72-TA-03 TALWAR, AGRAWAL ZN.SE/ IN.SB ..THEORY/ PHONON DISPERSION
75-KU-04 KUNC, BALKANSKI+ ZN.S/ ZN.SE/ GA.P/ GA.AS/ IN.SB/ SI.C/ CU.CL/ CU.I ..PHONON DISPERSION/ DENSITY OF PHONON

5. 22 INDIUM TELLURIDE IN2.TE3

75-FI-03 FINKMAN, TAUC+ IN2.TE3/ GA2.SE3/ GA2.S3 ..INFRARED, RAMAN SPECTRA/ DEFECT STRUCTURE/ DISPERSION CURVES

5. 23 IRON3.ALUMINIUM FE3.AL

76-FR-03 FRIKKEE, MIKKE FE3.AL ..EXPERIMENT/ MAGNON DISPERSION

5. 24 LANTHANUM.COBALT5 LA.CO5

5. 25 LANTHANUM.COBALT13 LA.CO13

5. 26 LEAD SELENIDE PB.SE

74-BU-01 BURKHARD, GEICK+ PB.SE ..EXPERIMENT ..KRAMERS-KRONIG ANALYSIS/ PHONON-PLASMON INTERACTION

5. 27 LEAD TELLURIDE PB.TE

66-CO-01 COCHRAN, COWLEY+ PB.TE ..EXPERIMENT/ MODEL CALCULATION/ PHONON DISPERSION/ FREQUENCY SPECTRA/ SPECIFIC HEA
72-AL-08 ALPENIN, PICANT+ PB.TE ..EXPERIMENT/ DISPERSION RELATION/ SOFT PHONON/ CURIE LAW/ TEMPERATURE CHANGE

5. 28 (MANGANESE-COPPER) ANTIMONIDE (MN-CU).SB

76-FU-03 FUNAHASHI, KAZAMA (MN-CU).SB ..EXPERIMENT/ MAGNON DISPERSION/ TEMPERATURE EFFECT

5. 29 MAGNESIUM2.LEAD MG2.PB

72-WA-02 WAKABAYASHI, AHMAD+ MG2.PB ..EXPERIMENT/ PHONON DISPERSION/ MODEL FITTING/ FREQUENCY SPECTRA

5. 30 MAGNESIUM2.TIN MG2.SN

70-BE-04 BERGSMA MG2.SN/ ZN.S ..EXPERIMENT/ TRIPLE AXIS SPECTROMETER/ PHONON DISPERSION RELATION
70-KE-01 KEARNEY, WORLTON+ MG2.SN ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES ..ROOM TEMP./ 3-AXIS SPECTROMET
70-KE-02 KEARNEY, WORLTON+ MG2.SN ..THEORY/ LATTICE DYNAMICS/ GROUP THEORETICAL TECHNIQUES

5. 31 MAGNESIUM.ZINC2 MG.ZN2

72-ES-01 ESCHRIG, URWANK+ MG.ZN2 ..THEORY/ EXPERIMENT/ MODEL-POTENTIAL/ PHONON DISPERSION/ FREQUENCY DISTRIBUTION
72-ES-02 ESCHRIG, FELDMANN+ MG.ZN2 ..CALCULATION/ MODEL POTENTIAL THEORY/ EXPERIMENT/ PHONON DENSITY
72-ES-03 ESCHRIG, URWANK+ MG.ZN2 ..THEORY/ PHONON SPECTRA/ A.B2 TYPE INTERMETALLIC COMPOUNDS
72-ES-04 ESCHRIG, URWANK+ MG.ZN2 ..THEORY
73-ES-01 ESCHRIG, FELDMANN+ MG.ZN2 ..EXPERIMENT/ PHONON DENSITY/ COHERENT SCATTERER/ POWDER SANPLE

5. 32 MOLYBDENUM SELENIDE MO.SE8

76-SI-04 SINHA, BADAR+ SN.MO6.S8/ PB.MO6.S8/ MO.SE8 ..EXPERIMENT/ PHONON SPECTRA

5. 33 NEODYMIUM ANTIMONIDE ND.SB

76-WA-02 WAKABAYASHI, FURRER ND.SB ..PHONON-DISPERSION-CURVES/ DENSITY-OF-STATES ..SCREENED-COULOMB-FORCE-MODEL

5. 34 NICKEL2.MANGANESE.TIN NI2.MN.SN

76-NO-02 NODA, ISHIKAWA NI2.MN.SN ..EXPERIMENT/ MAGNON DISPERSION

5. 35 NIOBIUM3.ALUMINIUM NB3.AL

76-SC-03 SCHNEIDER, SCHWEISS+ V3.SI/ V3.GE/ V3.GA/ NB3.SN/ NB3.AL ..EXPERIMENT/ PHONON STATE DENSITY

5. 36 NIOBIUM SELENIDE NB.SE2

77-MO-01 MONCTON, AXE+ TA.SE2/ NB.SE2 ..CHARGE-DENSITY-WAVE

5. 37 NIOBIUM3.TIN NB3.SN

71-SH-06 SHIRANE, AXE NB3.SN ..EXPERIMENT/ PHONON DISPERSION/ SOFT PHONON/ PHASE TRANSITION
72-SH-02 SHAM NB3.SN/ THEORY-OF-SOLIDS ..THEORY/ SOLID/ LATTICE DYNAMICS

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73-AX-01  AXE, SHAPIRO+      NB3.SN/ SR,TI,O3 ..EXPERIMENT/ PHASE TRANSITION/ SOFT MODE
73-AX-02  AXE, SHIRANE      NB3.SN ..PHONON LINEWIDTHS
73-ME-01  MEIER           NB3.SN/ SR,TI,O3/ THEORY-OF-SOLIDS ..THEORY/ ANHARMONICITY ..SINGULAR WIDTH GAMMA/ QUASI-PARTIC
74-AX-03  AXE, SHAPIRO+      NB3.SN/ SR,TI,O3/ K,MN,F3/ LA,AL,O3 ..EXPERIMENT/ SOFT MODE/ CENTRAL PEAK PROBLEM
76-SC-03  SCHNEIDER, SCHWEISS+      V3,SI/ V3,GE/ V3,GA/ NB3,SN/ NB3,AL ..EXPERIMENT/ PHONON STATE DENSITY

5. 38  PALLADIUM3,IRON                          PD3,FE

77-HO-01  HOLDEN, STIRLING      PD3,FE ..EXP./ POLARIZED NEUTRON/ INELASTIC SCATTERING

5. 39  PALLADIUM2,MANGANESE,TIN                 PD2,MN,SN

76-NO-01  NODA, ISHIKAWA      PD2,MN,SN ..EXPERIMENT/ MAGNON DISPERSION/ TOMPERATURE EFFECT/ PARAMAGNETIC SCATTERING

5. 40  PRASEODYMIUM3,ALUMINIUM                  PR3,AL

76-HE-04  HENNIG, KAUN+      PR,FE,O3/ PR,GA,O3/ PR,AL2/ PR3,AL ..EXPERIMENT/ CRYSTALLINE FIELD LEVEL

5. 41  PRASEODYMIUM,ALUMINIUM2                  PR,AL2

76-HE-04  HENNIG, KAUN+      PR,FE,O3/ PR,GA,O3/ PR,AL2/ PR3,AL ..EXPERIMENT/ CRYSTALLINE FIELD LEVEL

5. 42  SELENIUM TELLURIDE                       SE,TE

69-GI-03  GILLIS          SE,TE ..THEORY/ SOLID

5. 43  TANTALUM SELENIDE                        TA,SE2

77-MO-01  MONCTON, AXE+      TA,SE2/ NB,SE2 ..CHARGE-DENSITY-WAVE

5. 44  THORIUM,COBALT5                          TH,CO5

5. 45  TIN SELENIDE                             SN,SE2

77-BR-01  BREBNER, JANDL+      SN,SE2 ..EXP./ PHONON DISPERSION/ LAYERED STRUCTURE
77-VA-01  VAN-DER-VALK, HAAS      PB,I2/ CD,I2/ SN,S2/ SN,SE2 ..THEORY/ SOLID/ LATTICE DYNAMICS ..POLARISABLE ION MODEL

5. 46  TIN TELLURIDE                            SN,TE

66-PA-04  PAWLEY, COCHRAN+      SN,TE ..EXPERIMENT/ PHONON DISPERSION/ TEMPERATURE DEPENDENCE
69-CO-06  COWLEY, DARBY+      SN,TE ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..100DK
70-LE-04  LEFKOWITZ, SHIELDS+      SN,TE ..EXPERIMENT/ SN0,94,GE0,05,TE/ PHONON DISPERSION
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5. 47 VANDDIUM3.GALLIUM V3.GA

76-SC-03 SCHNEIDER, SCHWEISS+ V3.SI/ V3.GE/ V3.GA/ NB3.SN/ NB3.AL ..EXPERIMENT/ PHONON STATE DENSITY

5. 48 VANADIUM3.GERMANIUM V3.GE

76-SC-03 SCHNEIDER, SCHWEISS+ V3.SI/ V3.GE/ V3.GA/ NB3.SN/ NB3.AL ..EXPERIMENT/ PHONON STATE DENSITY

5. 49 YTTRIUM.COBALT5 Y.CO5

5. 50 ZINC SELENIDE ZN.SE

71-HE-01 HENNION, MOUSSA+ ZN.SE ..EXPERIMENT/ PHONON DISPERSION/ MODEL FITTING/ PHONON DENSITY
71-KU-01 KUNC, BALKANSKI+ ZN.SE ..THEORY/ PHONON DISPERSION/ ELASTIC CONSTANT/ DEFORMABLE BOND MODEL
72-IR-01 IRWIN, LACOMBE ZN.SE ..RAMAN SPECTRA/ MODEL FITTING/ STATE DENSITY/ SPECIFIC HEAT
72-TA-03 TALWAR, AGRAWAL ZN.SE/ IN.SB ..THEORY/ PHONON DISPERSION
75-KU-03 KUNC, BLAKANSKI+ ZN.S/ ZN.SE ..THEORY/ PARAMETER OF DEFORMATION-DIPOL MODEL
75-KU-04 KUNC, BALKANSKI+ ZN.S/ ZN.SE/ GA.P/ GA.AS/ IN.SB/ SI.C/ CU.CL/ CU.I ..PHONON DISPERSION/ DENSITY OF PHONON
76-KU-03 KUNC, BILZ ZN.SE/ ZN.O/ GA.P/ GA.AS/ GA.SB ..CALCULATION/ SHELL MODEL/ PHONON DISPERSION
77-WE-04 WEINSTEIN ZN.TE/ ZN.SE/ ZN.S/ SI/ GA.P ..RAMAN SPECTRA/ METALLIC PHASE TRANSITION/ PHONON DISPERSION RELA

5. 51 ZINC TELLURIDE ZN.TE

70-VE-02 VETELINO, MITRA+ ZN.TE ..DISPERSION RELATION, FREQUENCY SPECTRUM, DEBYE TEMPERATURE, MULTI PHONON INFRARED
73-TA-02 TALWAR, AGRAWAL ZN.TE/ CD.TE ..CALCULATION/ SECOND-NEIGHBOR-IONIC MODEL
74-VA-01 VAGELATORS, WEHE+ ZN.S/ ZN.TE ..PHONON DISPERSION/ FREQENCY DISTRIBUTION/ INELASTIC NEUTRON SCATTERING
76-PL-01 PLUMELLE, VANDEVYVER ZN.TE/ CD.TE ..THEORY/ PHONON DISPERSION/ PHONON STATE DENSITY/ SHELL MODEL
77-WE-04 WEINSTEIN ZN.TE/ ZN.SE/ ZN.S/ SI/ GA.P ..RAMAN SPECTRA/ METALLIC PHASE TRANSITION/ PHONON DISPERSION RELA

6 ORGANIC COMPOUNDS

6. 1 ACENAPHTHENE C12.H10

70-LU-01 LUTY, JANIK+ ACENAPHTHENE ..EXPERIMENT/ THEORY/ FREQUENCY SPECTRUM/ LATTICE DYNAMICS

6. 2 ACETIC ACID C2.H4.O2

65-GO-01 GOLIKOV, ZHOKORSKJA+ C2.H6.O2/ H2.O/ C2.H4.O2/ C6.H6 ..EXPERIMENT/ LIQUID/ SOLID
67-AL-01 ALDRED, EDEN+ ACETIC ACID/ ALCOHOL ..MOLECULAR DYNAMICS/ LIQUID/ EXPERIMENT
67-AL-02 ALDRED, EDEN+ ACETIC ACID/ METHANOL ..EXPERIMENT/ TOF SPECTRUM/ QUASI-ELASTIC PEAK WIDTH
67-AL-03 ALDRED, EDEN+ ACETIC ACID/ METHANOL ..EXPERIMENT/ SUBSTITUTION OF DEUTERIUM AND FLUORINE
70-CO-03 COLLINS, HAYWOOD FORMIC ACID/ ACETIC ACID/ PROPIONIC ACID/ OXALIC ACID/ MALONIC ACID/ SUCCINIC ACID/ MONOC

6. 3 ACETONITRILE C.H3.C.N

71-ZE-01 ZEIDLER ACETONITRILE ..QUASIELASTIC SCATTERING/ LIQUID

6. 4 ACETYLENE C2.H2

64-VA-01 VAN-DINGENEN, NEVEDE-MEVERGNIES ACETYLENE/ AMMONIA/ METHANE ..TOTAL CROSS SECTION/ EXPERIMENT/ SOLID ..LON
67-VE-03 VERDAN METHANE/ ACETYLENE/ ETHYLENE ..EXPERIMEUT/ ADSORBED MOLECULES

6. 5 ADAMANTANE C10.H16

67-ST-05 STOCKMEYER, STILLER ADAMANTANE ..EXPERIMENT/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS/ SOLID/ FREQUENCY DISTRI
68-CH-01 CHEN, DVORAK HEXAMETHYLENETETRAMINE/ ADAMANTANE/ N.H4.CL ..THEORY/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS/ D
68-ST-04 STOCKMEYER, STILLER ADAMANTANE ..EXPERIMENT/ PHONON SPECTRUM/ FITTED BY CALCULATIONS
69-ST-02 STOCKMEYER, HOSSFELD+ ADAMANTANE ..THEORY/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION ..COMPUTER CALCULATION
75-TH-01 THOMAS ADAMANTANE/ HEXAMETHYLENETETRAMINE ..EXPERIMENT/ FREQUENCY SPECTRA/ 200-800 CM-1
76-LE-02 LECHNER ADAMANTANE ..EXPERIMENT/ QUASIELASTIC/ ROTATIONAL JUMP MODEL

6. 6 ALCOHOL

61-BR-03 BRUGGER ZR-H/ H2.O/ BENZENE/ PARAFFINE/ ALCOHOL ..SIGMA (E,E-PRIME,THETA)/ EXPERIMENT/ LIQUIDS/ TOF
63-SA-03 SAUNDERSON, RAINEY ALCOHOL ..LIQUID AND GAS/ EXPERIMENT
66-LA-01 LARON, BERGSTEDT ALCOHOL/ PENTANE ..THEORY/ LIQUID/ MOLECULAR DYNAMICS/ NEUTRON SPECTRA/ DIFFERENTIAL CROS
66-LA-02 LARSSON, AMARAL+ ALCOHOL/ PENTANE ..EXPERIMENT/ LIQUID/ MOLECULAR DYNAMICS/ DIFFERENTIAL CROSS SECTION ..1
67-AL-01 ALDRED, EDEN+ ACETIC ACID/ ALCOHOL ..MOLECULAR DYNAMICS/ LIQUID/ EXPERIMENT
68-SA-04 SAMPSON, CARPENTER ALCOHOL/ MERCAPTAN ..EXPERIMENT/ MOLECULAR DYNAMICS

6. 7 ALPHA-AMINO-ISOBUTYRIC-ACID AAIA

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72-DA-04  DAVIDOVIC, RATOKOVIC+     TAURINE/ ALPHA-AMINO-ISOBUTYRIC-ACID ..EXPERIMENT/ VIBRATIONAL SPECTRUM

6.  8  ANILINE                                C6.H7.N

71-DA-01  DAY, SINCLAIR     ZR-H/ H2.O/ C6.H7.N/ NA.N.H2 ..EXPERIMENT/ TOF SPECTRA/ PULSED NEUTRON SOURCE
71-DA-02  DAY, SINCLAIR     ZR-H/ H2.O/ SODAMIDE/ ANILINE ..EXPERIMENT/ MOLECULAR DYNAMICS/ LINAC PULSED NEUTRON SOURCE

6.  9  ANNULENE                               ANNULENE

73-FI-01  FILIPPINI, GRAMACCIOLI+     NAPHTHALENE/ ANTHRACENE/ PHENANTRACENE/ PYRENE/ ANNULENE ..THEORY/ LATTICE DYNAMIC

6. 10  ANTHRACENE                            C14.H10

67-PA-06  PAWLEY          NAPHTHALENE/ ANTHRACENE ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRA/ DEBYE TEMP./ DEBYE-WALL
67-PA-07  PAWLEY          NAPHTHALENE/ ANTHRACENE ..THEORY/ PHONON DISPERSION/ PHONON SPECTRUM/ 6-EXP FORCE
70-LU-02  LUTZ, HAELG      ANTHRACENE ..THEORY/ EXPERIMENT/ SOLID ..COHERENT INELASTIC NEUTRON SCATTERING/ PHONON DISPERS
70-LU-03  LUTZ            ANTHRACENE ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVE/ FREQUENCY SPECTRUM
73-FI-01  FILIPPINI, GRAMACCIOLI+     NAPHTHALENE/ ANTHRACENE/ PHENANTRACENE/ PYRENE/ ANNULENE ..THEORY/ LATTICE DYNAMIC
73-GR-01  GRAMACCIOLI, SIMONETTA+     ANTHRACENE/ NAPHTHALENE/ BUTANOANNULENE ..THEORY/ AROMATIC HYDROCARBON/ VIBRATION
74-PA-10  PAWLEY, MIKA     NAPHTHALENE/ ANTHRACENE/ SULPHUR ..THEORY/ PRESSURE EFFECT/ LATTICE DYNAMICS/ PHONON DISPERSI

6. 11  ANTHRAQUINONE                          ANTHRAQUINONE

75-MI-02  MIYAZAKI, ITO     ANTHRAQUINONE ..EXPERIMENT/ NEUTRON SCATTERING SPECTRA/ PHONON DENSITY CALCULATION

6. 12  BENZENE                                C6.H6

61-BR-03  BRUGGER         ZR-H/ H2.O/ BENZENE/ PARAFFINE/ ALCOHOL ..SIGMA (E,E-PRIME,THETA)/ EXPERIMENT/ LIQUIDS/ TOF
61-HE-02  HEINLOTH        H2.O/ C6.H6/ C.H2.O2 ..SIGMA(E)/ EXPERIMENT/ GAS/ LIQUID/ SOLID/ KRIEGER-NELKIN MODEL ..TRANSMI
62-BO-01  BOFFI, MOLINARI+     BENZENE ..THEORY/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION ..SCATTERING CROSS SECTION/
62-RU-01  RUSH, TAYLOR+     N.H4.CL/ N.H4.I/ N.H4.F/ N.H4.BR/ BENZENE/ TOLUENE/ MESITYLENE/ XYLENE ..EXPERIMENT/ TOTAL C
62-ZE-01  ZEMLYANOV, CHERNOPLEKOV     POLYETHYLENE/ BENZENE/ BIPHENYL ..EXPERIMENT/ MOLECULAR DYNAMICS
63-BO-01  BOFFI, MOLINARI+     C6.H6 ..SIGMA(E)/ SCATTERING LAW/ FREQUENCY DISTRIBUTION/ THEORY/ GAS/ MOLECULAR DYNAMICS
63-ZE-02  ZEMLYANOV, CHERNOPLEKOV     BENZENE/ BIPHENYL/ POLYETHYLENE ..INELASTIC SCATTERING SPECTRA
64-GL-01  GLAESER, BECRURTS     BENZENE/ BIPHENYL/ BIPHYLE ..EXPERIMENT/ SOLID/ LIQUID ..2ND MOMENT OF ENERGY TRANSFER
65-GL-02  GLAESER         BENZENE/ BIPHENYL/ BIPHYLE ..EXPERIMENT/ MOLECULAR DYNAMICS/ SCATTERIN LAW/ SIGMA (E,E-PRIME,TH
65-GL-03  GLAESER, EHRET+     C6.H6/ H2.O/ ZR-H ..SCATTERING LAW/ FREQUENCY DISTRIBUTION/ EXPERIMENT/ LIQUID ..20DC FOR
65-GO-01  GOLIKOV, ZHOKORSKJA+     C2.H6.O2/ H2.O/ C2.H4.O2/ C6.H6 ..EXPERIMENT/ LIQUID/ SOLID
65-HO-01  HOFMEYER        BENZENE/ BIPHENYL/ TERPHENYL ..EXPERIMENT ..21DC-150DC 10X,23H DATA END IN GTMIN RTN.)
65-ZE-02  ZEMLYANOV, CHERNOLEKOV+     C6.H6 ..SIGMA(E,E-PRIME,THETA)/ EXPERIMENT/ LIQUID ..290DK
66-AN-02  ANTONINI, PAOLETTI+     BENZENE/ BIPHENYL ..EXPERIMENT/ SOLID/ LIQUID/ SIGMA(E)
66-BO-01  BOFFI, MARSICO+     BENZENE ..SIGMA-TRANSPORT(E)/ SIGMA(E,E-PRIME,THETA)/ THEORY/ GAS/ LIQUID/ DIFFUSION PARAM
66-SC-02  SCHMIDT, SAAD     BENZENE/ BIPHENYL/ TERPHENYL/ CYCLOHEXANE ..EXPERIMENT
67-BE-03  BEYSTER, BORGONOVI+     C.H2/ C6.H6/ ZR-H ..EXPERIMENT
67-GE-01  GEE, ROBINSON     BENZENE ..MOLECULAR DYNAMICS ..RAMAN SPECTRUM
67-NE-02  NEILL           BENZENE ..SIGMA (E)/ EXPERIMENT
67-RU-01  RUSH            BENZENE ..MOLECULAR DYNAMICS/ LIQUID/ SOLID/ EXPERIMENT/ NEUTRON SPECTRUM/ FREQUENCY SPECTRUM
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68-AR-02  ARDENTE, CUNIBERTI+      BIPHENYL/ BENZENE ..CROSS SECTION EVALUATION/ MOLECULAR DYNAMICS/ GAS/ THEORY
68=BE-04  BEYSTER, BORGONOVI+      C.H2/ ZR-H/ C6.H6 ..EXPERIMENT/ MOLECULAR DYNAMICS
68-HE-01  HENRY, SIEBRAND      BENZENE ..FREQUENCY SPECTRUM/ THEORY/ LIQUID/ MOLECULE DYNAMICS
68-HO-02  HOLMRYD, NELIN      BENZENE/ TOLUENE ..EXPERIMENT/ TOF ..DIFFUSIVE MOTION/ QUASI-ELASTIC
68-MA-04  MARSDEN, MCMURRY      C6.H6 ..SIGMA (E)/ SIGMA (E,E-PRIME)/ SCATTERING FUNCTION/ NEUTRON SPECTRUM/ THEORY/ GAS/
68-NA-02  NARTEN          BENZENE ..LIQUID/ EXPERIMENT/ MOLECULAR DYNAMICS ..X-RAY DIFFRACTION/ 25DC
68-RO-01  ROSS, SZABO+      BENZENE/ H2.O ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT/ LIQUID ..20DC FOR BE
68-SP-01  SPREVAK, KOPPEL+      BENZENE ..THEORY/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION/ CROSS SECTION EVALUATION
68-SP-02  SPREVAK, BORGONOVI+      BENZENE ..SCATTERING FUNCTION/ LIQUID/ NEUTRON SPECTRUM/ SCATTERING THEORY ..ROOM TEMP
68-TR-01  TREPADUS, BALLY+      BENZENE ..EXPERIMENT/ MOLECULAR DYNAMICS
69-FI-01  FISCHER          BENZENE/ CYCLOHEXANE/ CYCLOHEXANOL/ PYRIDINE/ H2.O/ HEXANE/ METHANOL/ ETHANOL/ ACETONE/ ACETIC
69-MA-03  MARSDEN          BENZENE ..THEORY/ MOLECULAR DYNAMICS/ SCATTERING LAW
69-RE-03  REYNOLDS, WHITE      BENZENE ..EXPERIMENT/ TOF SPECTRUM/ MOLECULAR DYNAMICS
70-GU-03  GUPTA, DEOPURA      BENZENE ..EXPERIMENT/ FREQUENCY SPECTRUM
70-LO-01  LOGAN, TREVINO+      BENZENE ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION ..77.K TO 270.K
72-WI-01  WINFIELD, ROSS      C6.H6 ..EXPERIMENT/ TIME OF FLIGHT/ QUASIELASTIC SCATTERING ..MEAN INTERVAL BETWEEN JUMP
73-BO-02  BONADEO, TADDEI      BENZENE ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION FUNCTION
73-TA-01  TADDEI, BONADEO+      C6.H6 ..THEORY/ LATTICE DYNAMICS ..F AND G MATRIX METHOD
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6. 13 BIPHENYL C12.H10

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62-ZE-01  ZEMLYANOV, CHERNOPLEKOV      POLYETHYLENE/ BENZENE/ BIPHENYL ..EXPERIMENT/ MOLECULAR DYNAMICS
63-GI-01  GIASER          BIPHENYL ..EXPERIMENT/ SCATTERING LAW/ MIXTURE OF BIPHENYL AND BIPHENYLOXYD
63-ZE-02  ZEMLYANOV, CHERNOPLEKOV      BENZENE/ BIPHENYL/ POLYETHYLENE ..INELASTIC SCATTERING SPECTRA
64-GL-01  GLAESER, BECRURTS      BENZENE/ BIPHENYL/ BIPHYLE ..EXPERIMENT/ SOLID/ LIQUID ..2ND MOMENT OF ENERGY TRANSFER
64-MO-01  MOSTOVOY, DIKAREV+      H2.O/ BIPHENYL ..FREQUENCY SPECTRUM/ EXPERIMENT
65-GL-02  GLAESER          BENZENE/ BIPHENYL/ BIPHYLE ..EXPERIMENT/ MOLECULAR DYNAMICS/ SCATTERIN LAW/ SIGMA (E,E-PRIME,TH
65-HO-01  HOFMEYER          BENZENE/ BIPHENYL/ TERPHENYL ..EXPERIMENT ..21DC-150DC 10X,23H DATA END IN GTMIN RTN.)
66-AN-02  ANTONINI, PAOLETTI+      BENZENE/ BIPHENYL ..EXPERIMENT/ SOLID/ LIQUID/ SIGMA(E)
66-SC-02  SCHMIDT, SAAD      BENZENE/ BIPHENYL/ TERPHENYL/ CYCLOHEXANE ..EXPERIMENT
67-NE-01  NEILL, ANTUNEZ+      BIPHENYL ..EXPERIMENT
68-AR-02  ARDENTE, CUNIBERTI+      BIPHENYL/ BENZENE ..CROSS SECTION EVALUATION/ MOLECULAR DYNAMICS/ GAS/ THEORY
68-BE-03  BEYSTER, BORGONOVI+      BIPHENYL/ ZR-H/ U.O2 ..LATTICE DYNAMICS/ SCATTERING FUNCTION
69-SP-02  SPREVAK, KOPPEL      BIPHENYL ..THEORY/ SCATTERING LAW/ SIGMA (E)/ LIQUID
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6. 14 BIPHYLE

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64-GL-01  GLAESER, BECRURTS      BENZENE/ BIPHENYL/ BIPHYLE ..EXPERIMENT/ SOLID/ LIQUID ..2ND MOMENT OF ENERGY TRANSFER
65-GL-02  GLAESER          BENZENE/ BIPHENYL/ BIPHYLE ..EXPERIMENT/ MOLECULAR DYNAMICS/ SCATTERIN LAW/ SIGMA (E,E-PRIME,TH
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6. 15 BROMOPENTANE BROMOPENTANE

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76-SH-07  SHARMA, DANNER+      BROMOPENTANE ..EXPERIMENT/ TOF SPECTRA
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6. 16 BUTANE C4.H10

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68-HO-03  HOYLAND          C4.H10 ..THEORY/ MOLECULE DYNAMICS
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6. 17 BUTANOANNULENE BUTANOANNULENE

73-GR-01 GRAMACCIOLI, SIMONETTA+ ANTHRACENE/ NAPHTHALENE/ BUTANOANNULENE ..THEORY/ AROMATIC HYDROCARBON/ VIBRATION

6. 18 BUTANOL C4.H10.O

70-BA-03 BATA, JOVIC C4.H10.O ..EXPERIMENT/ LIQUID-GAS PHASE
72-RO-01 RODRIGUES, VINHAS+ METHANOL/ ETHANOL/ PROPANOL/ BUTANOL/ ETHANEDIOL/ PROPANETRIOL ..EXPERIMENT/ TOTAL SIGM
74-AM-01 AMARAL, FULFARO+ BUTANOL ..EXPERIMENT/ TRANSMISSION/ MOLECULAR DYNAMICS
75-AM-01 AMARAL, FULFARO+ BUTANOL ..EXPERIMENT/ TOTAL CROSS SECTION/ TEMPERATURE EFFECT

6. 19 BUTYL CHLORIDE

77-MA-04 MANSSON, LARSSON BUTYL CHLORIDE ..EXPERIMENT/ QUASI-ELASTIC SCATTERING/ THEORETICAL CALCULATION/ PLASTIC C

6. 20 BUTYRIC ACID BUTYRIC ACID

72-DA-05 DAVIDOVIC, RATKOVIC+ TAURINE/ BUTYRIC ACID ..INELASTIC NEUTRON SCATTERING/ INCOHERENT

6. 21 C5.H5.N.H.AG5.I6 C5.H5.N.H.AG5.I6

77-BR-04 BRUESCH, BUEHER+ C5.H5.N.H.AG5.I6 ..EXPERIMENT/ FREQUENCY SPECTRA

6. 22 CARBONYL SULPHIDE C.O.S

77-SA-01 SALVI, RIGHINI+ CARBONYL SULPHIDE ..EXPERIMENT/ DISPERSION CURVE/ PHONON DENSITY OF STATES

6. 23 CARBOXYLIC ACID CARBOXYLIC ACID

71-LU-02 LURIE, DANNER CARBOXYLIC ACID ..VIBRATIONAL SPECTRA/ LIQUID DYNAMICS/ DISPERSION RELATION

6. 24 CELLULOSE (C6.H10.O5)N

76-AH-01 AHMED, AHMED+ CELLULOSE ..NEUTRON DIFFRACTION/ CELL DIMENSION

6. 25 CHLOROBENZENE C6.H5.CL

68-O--01 O-REILLY C.CL4/ C.H.CL3/ C6.H5.CL/ H.F/ H.CL/ N.H3/ H2.O ..CORRELAION FUNCTION/ MOLECULAR ROTAIONS/ LIQU
69-RE-04 REYNOLDS, WHITE CHLOROBENZENE

6. 26 CHLOROETHANE C2.H5.CL

71-BR-01 BRIER, HIGGINS+ CHLOROETHANE ..THEORY/ EXPERIMENT/ LIQUID/ TIME.OF.FLIGHT TECHNIQUES

6. 27 CHLORONAPHTHALENE C10.H7.CL

68-EI-01 EISENTHAL, DOWLEY+ CHLORONAPHTHALENE ..EXPERIMENT/ LIQUID ..TWO-PHONON SPECTRUM

6. 28 CYANAMIDE C.H2.N2

68-DU-01 DURIG, WALKER+ CYANAMIDE ..FREQUENCY DISTRIBUTION/ EXPERIMENT/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS

6. 29 CYCLOHEXANE C6.H12

63-BE-01 BECKA CYCLOHEXANE/ DIMETHYLBUTANE/ DIAZOBICYCLOOCTANE ..EXPERIMENT/ TOF
65-BR-04 BRUGGER, STRONG+ CYCLOHEXANE ..EXPERIMENT
65-DE-02 DE-GRAAF CYCLOHEXANE ..INELASTIC SCATTERING SPECTRA/ LIQUID AND SOLID
66-SC-02 SCHMIDT, SAAD BENZENE/ BIPHENYL/ TERPHENYL/ CYCLOHEXANE ..EXPERIMENT
68-TA-03 TARINA CYCLOHEXANE ..EXPERIMENT/ SIGMA(E)/ DIFFERENTIAL CROSS SECTION ..SOLID-LIQUID TRANSITION/ -20DC
69-DE-01 DE-GRAAF CYCLOHEXANE ..LIQUID/ SOLID/ EXPERIMENT/ TIME OF FLIGHT ..HINDERED ROTATION OF RIGID MOLECULE/
69-FI-01 FISCHER BENZENE/ CYCLOHEXANE/ CYCLOHEXANOL/ PYRIDINE/ H2.O/ HEXANE/ METHANOL/ ETHANOL/ ACETONE/ ACETIC
70-DI-01 DIACONESCU, NAHORNIAK+ METHANOL/ CYCLOHEXANE ..INELASTIC SCATTERING SPECTRA
70-PI-01 PICKETT, STRAUSS CYCLOHEXANE ..EXPERIMENT/ THEORY/ MOLECULAR VIBRATION/ INTERATOMIC FORCE CONSTANT..FG-MET

6. 30 CYCLOHEXANOL C6.H12.O

69-FI-01 FISCHER BENZENE/ CYCLOHEXANE/ CYCLOHEXANOL/ PYRIDINE/ H2.O/ HEXANE/ METHANOL/ ETHANOL/ ACETONE/ ACETIC
70-DE-02 DE-MUL, BERGMAN CYCLOHEXANOL ..EXPERIMENT/ TOF/ LIQUID/ QUASI-ELASTIC PEAK ..JUMP-DIFFUSION/ INCOHERENT NE
72-DE-04 DE-MUL CYCLOHEXANOL ..CRYSTAL/ MOLECULAR ROTATION
76-FU-02 FULFARO, VINHAS+ CYCLOHEXANOL ..TOTAL CROSS SECTION

6. 31 DIAMMINETETRACHLORODIMETHYLCADMIUM (C.H3.N.H3)2.CD.CL4

77-GE-01 GEICK, STROBEL (C.H3.N.H3)2.MN.CL4/ (C.H3.N.H3)2.CD.CL4/ (C.H3.N.H3)2.CU.CL4 ..SYMMETRY OF LATTICE VIBRATI

6. 32 DIAMMINETETRACHLORODIMETHYLCOPPER (C.H3.N.H3)2.CU.CL4

77-GE-01 GEICK, STROBEL (C.H3.N.H3)2.MN.CL4/ (C.H3.N.H3)2.CD.CL4/ (C.H3.N.H3)2.CU.CL4 ..SYMMETRY OF LATTICE VIBRATI

6. 33 DIAMMINETETRACHLORODIMETHYLMANGANESE (C.H3.N.H3)2.MN.CL4

75-PE-01 PETZELT (C.H3.N.H3)2.MN.CL4 ..THEORY/ SOLID/ LATTICE DYNAMICS ..PHASE TRANSITION
76-HE-01 HEGER, MULLER (C.H3.N.H3)2.MN.CL4 ..PHASE TRANSITION
77-GE-01 GEICK, STROBEL (C.H3.N.H3)2.MN.CL4/ (C.H3.N.H3)2.CD.CL4/ (C.H3.N.H3)2.CU.CL4 ..SYMMETRY OF LATTICE VIBRATI

6. 34 DIAZOBICYCLOOCTANE

63-BE-01 BECKA CYCLOHEXANE/ DIMETHYLBUTANE/ DIAZOBICYCLOOCTANE ..EXPERIMENT/ TOF

6. 35 DIBROMOBENZENE C6.H4.BR2

72-RE-02 REYNOLDS, KJEMS+ C6.H4.CL2/ C6.H4.BR2 ..NEUTRON SPECTRUM/ THEORY/ EXPERIMENT/ INELASTIC NEUTRON SCATTERING

6. 36 DICALCIUM LEAD PROPIONATE (C3.H5.O2)6.CA2.PB

72-QU-01 QUILICHINI, POULET DICALCIUM LEAD PROPIONATE ..EXPERIMENT/ FREQUENCY DISTRIBUTION FUNCTION ..PHASE TRANSIT
75-DI-05 DIMIC, OSREDKAR DICALCIUM LEAD PROPIONATE ..EXPERIMENT/ SOLID/ LIQUID/ ROTATING CRYSTAL SPECTROMETER/ DEBY

6. 37 DICALCIUM STRONTIUM PROPIONATE CA2.SR.(C3.H5.O2)6

73-VA-01 VAN-TRICHT, DE-MUL+ DICALCIUM STRONTIUM PROPIONATE ..EXPERIMENT/ VIBRATION SPECTRA/ PARA-ELECTRIC PHASE TR

6. 38 DICHLOROETHANE DICHLOROETHANE

73-OZ-01 OZORA, ITO+ DICHLOROETHANE ..EXPERIMENT/ FREQUENCY SPECTRUM/ PHASE TRANSITION

6. 39 DICHLOROBENZENE C6.H4.CL2

72-RE-02 REYNOLDS, KJEMS+ C6.H4.CL2/ C6.H4.BR2 ..NEUTRON SPECTRUM/ THEORY/ EXPERIMENT/ INELASTIC NEUTRON SCATTERING
72-RE-03 REYNOLDS, KJEMS+ C6.H4.CL2 ..EXPERIMENT/ PHONON DISPERSION/ TRICLINIC PHASE/ 295K TO 90K
74-RE-02 REYNOLDS, KJEMS+ DICHLOROBENZENE ..EXPERIMENT/ CALCULATION/ PHONON DISPERSION

6. 40 DIMETHYLACETYLENE DNA

62-RU-02 RUSH, SAFFORD+ N.H4.P.F6/ (N.H4)2.S2.O8/ (N.H4)2.CR.O4/ N.H4.S.O3.F/ DIMETHYLACETYLENE ..EXPERIMENT/ MOLEC
64-JA-01 JANIK, JANIK+ C.H4/ C.H3.I/ DIMETHYLACETYLENE/ N.H4.CL.O4/ N.H4.P.F6/ H3.O.CL.O4/ DIMETHOXYAZOXYBENZENE
76-KO-04 KOLLMAR, ALEFELD DIMETHYLACETYLENE/ TETRAMETHYLLEAD ..EXPERIMENT/ ROTATIONAL MOTION

6. 41 DIMETHYLBUTANE

63-BE-01 BECKA CYCLOHEXANE/ DIMETHYLBUTANE/ DIAZOBICYCLOOCTANE ..EXPERIMENT/ TOF

6. 42 DIMETHYLSULPHONE

69-SA-01 SAFFORD, SCHAFFER+ DIMETHYLSULPHOXIDE/ DIMETHYLSULPHONE ..SIGMA (E,E-PRIME,THETA)/ EXPERIMENT/ LIQUID
69-SA-04 SAFFORD, SCHAFFER+ DIMETHYLSULPHOXIDE/ DIMETHYLSULPHONE ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS/ SEL

6. 43 DIMETHYLSULPHOXIDE

69-SA-01 SAFFORD, SCHAFFER+ DIMETHYLSULPHOXIDE/ DIMETHYLSULPHONE ..SIGMA (E,E-PRIME,THETA)/ EXPERIMENT/ LIQUID
69-SA-04 SAFFORD, SCHAFFER+ DIMETHYLSULPHOXIDE/ DIMETHYLSULPHONE ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS/ SEL

6. 44 DIPULMITOYL PHOSPHATIDYL CHOLINE DPPC

76-BU-02 BUELDT, SEELIG+ DPPC ..NEUTRON DIFFRACTION/ LIPID MEMBRANS

6. 45 DNA DNA

74-FU-02 FULFARO, WALDER+ DNA ..EXPERIMENT/ TOTAL CROSS SECTION/ WATER IN DNA AND DNA

6. 46 DODECANE C12,H26

70-EG-01 EGELSTAFF, HARRIS PENTANE/ HEPTANE/ DODECANE ..EXPERIMENT/ QUASI-ELASTIC/ DIFFUSION CONSTANT

6. 47 DTPO SUBERATE C26,H46,N2,O6

76-BR-02 BROWN, CAPIOMONT+ C26,H46,N2,O6 ..POLARIZED NEUTRON DIFFRACTION

6. 48 EABAC EABAC

76-LE-01 LEADBETTER, RICHARDSON+ EABAC ..EXPERIMENT/ QUASI-ELASTIC

6. 49 EICOSANE C20,H42

72-BA-07 BARNES NONADECANE/ EICOSANE ..EXPERIMENT/ QEASI-ELASTIC PEAK/ ROTATIONAL DIFFUSION/ PLASTIC CRYSTAL

6. 50 ETHANE C2,H6

65-GA-01 GANNON, MCMURRY C,H4/ C2,H6/ COMPUTER-CODES ..THEORY/ MOLCULAR DYNAMICS/ SCATTERING FUNCTION
65-ST-05 STRAKER C2,H6 ..SCATTERING LAW
65-ST-06 STRAKER, KING+ ETHANE ..EXPERIMENT/ PRESSURIZED ETHANE
66-BR-05 BRUGGER METHANE/ ETHANE/ AL/ NA/ PB/ AR ..COMPILATION/ SCATTERING FUNCTION
67-RU-02 RUSH METHYLCHLOROFORM/ PENTANE/ ETHANE ..COLD-NEUTRON/ FREQUENCY SPECTRUM
67-ST-06 STRONG, BRUGGER ETHANE ..MOLECULAR DYNAMICS/ GAS/ EXPERIMENT/ FREQUENCY DISTRIBUTION ..ROOM TEMPERATURE
68-BU-02 BULAVIN, VORONEL+ ETHANE ..EXPERIMENT/ QUASI-ELASTIC/ LIQUID/ GAS
75-OL-01 OLSSON, LARSSON ETHANE ..EXPERIMENT/ ROTATIONAL-DIFFUSIVE MOTION

6. 51 ETHANEDIOL

72-RO-01 RODRIGUES, VINHAS+ METHANOL/ ETHANOL/ PROPANOL/ BUTANOL/ ETHANEDIOL/ PROPANETRIOL ..EXPERIMENT/ TOTAL SIGM

6. 52 ETHANOL C2,H5,O

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72-RO-01  RODRIGUES, VINHAS+     METHANOL/ ETHANOL/ PROPANOL/ BUTANOL/ ETHANEDIOL/ PROPANETRIOL ..EXPERIMENT/ TOTAL SIGM

6. 53  ETHYL CHLORIDE                          C2.H5.CL

70-ST-03  STRONG, BRUGGER+     ETHYL CHLORIDE ..EXPERIMENT/ FREQUENCY DISTRIBUTION/ LIQUID/ SOLID

6. 54  ETHYL ETHER                             (C2.H5)2.O

65-BA-03  BATA, KOSZO+     ETHYL ETHER ..INELASTIC SCATTERING SPECTRA

6. 55  ETHYLENE                                C2.H4

63-BA-02  BALLY, TARINA+     H2/ ETHYLENE ..EXPERIMENT
65-BA-02  BALLY, TODIREANU+     ETHYLENE ..EXPERIMENT/ SCATTERING LAW ..GAS TARGET/ TRIPLE-AXIS SPECTROMETER
67-BA-02  BALLY, TODIREANU+     METHANE/ ETHYLENE ..GAS/ EXPERIMENT
67-VE-03  VERDAN          METHANE/ ACETYLENE/ ETHYLENE ..EXPERIMEUT/ ADSORBED MOLECULES

6. 56  ETHYLENE GLYCOL                         C2.H6.O2

65-GO-01  GOLIKOV, ZHOKORSKJA+     C2.H6.O2/ H2.O/ C2.H4.O2/ C6.H6 ..EXPERIMENT/ LIQUID/ SOLID

6. 57  FIBRINOGEN                              FIBRINOGEN

76-MA-03  MARGUERIE, STUHRMANN     FIBRINOGEN ..SMALL-ANGLE SCATTERING/ BOVINE FIBRINOGEN/ BANANA-SHAPED MODEL

6. 58  FLUORINATED CYCLOHEXANE

72-LE-01  LEADBETTER, LITCHINSKY+     FLUORINATED CYCLOHEXANE ..EXPERIMENT/ MOLECULAR ROTATION/ QUASI-ELASTIC SCATTERING

6. 59  FORMIC ACID                             C.H2.O2

61-HE-02  HEINLOTH        H2.O/ C6.H6/ C.H2.O2 ..SIGMA(E)/ EXPERIMENT/ GAS/ LIQUID/ SOLID/ KRIEGER-NELKIN MODEL ..TRANSMI
70-CO-03  COLLINS, HAYWOOD     FORMIC ACID/ ACETIC ACID/ PROPIONIC ACID/ OXALIC ACID/ MALONIC ACID/ SUCCINIC ACID/ MONOC
76-BE-06  BERNEY, JOHNSON+     FORMIC ACID ..THEORY/ PHONON STATE DENSFTY

6. 60  GLYCELINE                               C3.H8.O3

63-LA-01  LARSSON, DAHLBORG     D2.O/ GLYCELINE/ H2.O ..EXPERIMENT/ LIQUID/ FREQUENCY DISTRIBUTION/ TOF ..278, 295, 368,
63-RA-02  RAPEANU         GLYCELINE ..EXPERIMENT/ QUASI-ELASTIC SCATTERING
64-LA-01  LARSSON, DAHLBORG     H2.O/ D2.O/ PENTANE/ GLYCELINE ..EXPERIMENT/ LIQUID/ FREQUENCY DISTRIBUTION
68-RA-06  RAPEANU         GLYCELINE ..EXPERIMENT/ QUASI-ELASTIC SCATTERING
70-BI-02  BIRR            GLYCELINE ..EXPERIMENT/ QUASI-ELASTIC SCATTEKING/ DIFFUSION CONSTANT
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6. 61 GLYCINE GLYCINE

70-GU-05 GUPTA, SINGH GLYCINE ..EXPEMIMENT/ FREQUENCY SPECTRUM

6. 62 HEPTANE C7.H16

70-EG-01 EGELSTAFF, HARRIS PENTANE/ HEPTANE/ DODECANE ..EXPERIMENT/ QUASI-ELASTIC/ DIFFUSION CONSTANT
73-LO-02 LOGAN, DANNER+ PENTANE/ HEXANE/ HEPTANE/ OCTANE ..EXPERIMENT/ INCOHERENT/ T-O-F SPECTRA/ PHONON DISPERSION

6. 63 HEXAMETHYLBENZENE C12.H18

64-RU-01 RUSH, TAYLOR HEXAMETHYLBENZENE/ AMMONIUM PERCHLORATE ..EXPERIMENT/ ROTATIONAL MOTION
66-RU-01 RUSH, TAYLOR HEXAMETHYLBENZENE ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION ..LOW-FREQUENCY MOTION/ NEAR 11
69-HA-02 HAMILTON, EDMONDS+ HEXAMETHYLBENZENE ..EXPERIMENT/ TOF SPECTRUM/ NEUTRON DIFFRACTION

6. 64 HEXAMETHYLENETETRAMINE C6.H12.N4

62-BE-01 BECKA HEXAMETHYLENETETRAMINE ..EXPERIMENT/ NEUTRON SPECTROMETRY ..80DK/ 300DK/
64-CO-01 COCHRAN, PAWLEY HEXAMETHYLENETETRAMINE ..THEORY/ LATTICE DYNAMICS/ DISPERSION/ FREQUENCY DISTRIBUTION ..X-
68-CH-01 CHEN, DVORAK HEXAMETHYLENETETRAMINE/ ADAMANTANE/ N.H4.CL ..THEORY/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS/ D
68-PO-02 POWELL HEXAMETHYLENETETRAMINE ..EXPERIMENT/ CONST.-Q/ DISPERSION CURVES/ FREQUENCY DISTRIBUTION ..296D
69-PA-03 PAWLEY C6.H12.N4 ..THEORY/ MODEL FITTING/ LATTIC DYNAMICS
70-DO-03 DOLLING, POWELL HEXAMETHYLENETETRAMINE ..EXPERIMENT/ PHONON DISPERSION/ DHMT/ MODEL FITTING/ PHONON DENSIT
70-PO-01 POLLING, POWELL HEXAMETHYLENETETRAMINE ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..MODEL FITTING
70-RA-01 RAFIZADEH, YIP HEXAMETHYLENETETRAMINE ..THEORY/ LATTIC DYNAMICS
71-MC-02 MCMULLAN, HOGAN HEXAMETHYLENETETRAMINE ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE/ SOLID/ MOLECULAR CRYS
73-DO-01 DOLLING, PAWLEY+ HEXAMETHYLENETETRAMINE ..THEORY/ PHONON DISPERSION/ AS MODEL TENSOR FORCE MODEL
75-TH-01 THOMAS ADAMANTANE/ HEXAMETHYLENETETRAMINE ..EXPERIMENT/ FREQUENCY SPECTRA/ 200-800 CM-1

6. 65 HEXANE C6.H14

73-LO-02 LOGAN, DANNER+ PENTANE/ HEXANE/ HEPTANE/ OCTANE ..EXPERIMENT/ INCOHERENT/ T-O-F SPECTRA/ PHONON DISPERSION

6. 66 IODOFORM C.H.I3

73-NE-01 NETO, OEHLER+ IODOFORM ..THEORY/ EXPERIMENT/ DISPERSION RELATION/ LATTICE VIBRATION ..F.G-MATRIX METHOD/ I

6. 67 LYSOZYME LYSOZYME

76-ST-11 STUHRMANN, FUESS LYSOZYME ..SMALL ANGLE SCATTERING/ HEN EGG-WHITE LYSOZYME IN SOLUTION

6. 68 MALONIC ACID C3.H4.O4

70-CO-03 COLLINS, HAYWOOD FORMIC ACID/ ACETIC ACID/ PROPIONIC ACID/ OXALIC ACID/ MALONIC ACID/ SUCCINIC ACID/ MONOC

6. 69 MDIG C13.H22.O6

76-JA-03 JAMES, OLLIS+ C13.H22.O6 ..NEUTRON DIFFRACTION/ STRUCTURE STUDIES

6. 70 MERCAPTAN C2.H6.S

68-SA-04 SAMPSON, CARPENTER ALCOHOL/ MERCAPTAN ..EXPERIMENT/ MOLECULAR DYNAMICS

6. 71 MESITYLEN C6.H3.(C.H3)3

76-UT-01 UTSURO XYLENE/ MESITYLEN ..EXPERIMENT/ TOF/ SIGMA(E)/ MOLECULA ROTATION ..10DK/ ELECTRON LIINA/ EFFECT

6. 72 METHANE C,H4

41-SA-01 SACHS, TELLER NEUTRON-SCATTERING-IN-FLUIDS/ H2/ C,H4/ N.H3/ H2.O ..SCATTERING THEORY ..MOLECULAR GASES
49-ME-01 MELKONIAN C,H4 ..SIGMA(E)/ EXPERIMENT
51-ME-01 MESSIAH H/ C,H4 ..THEORY/ SCATTERING THORY ..ROOM TEMP.
52-PO-01 POPE C.H4/ C.F4 ..MOLECULAR DYNAMICS/ THEORY
56-ZE-02 ZEMACH, GLAUBER METHANE ..SIGMA (THETA,E)/ THEORY/ GAS
61-GR-01 GRIFFING C.H4 ..THEORY/ MOLECULAR DYNAMICS/ GAS/ DIFFERENTIAL CROSS SECTION
61-RA-02 RAHMAN NEUTRON-SCATTERING-IN-FLUIDS/ METHANE ..THEORY/ SCATTERING FUNCTION
61-RA-04 RANDOLPH, BRUGGER+ METHANE ..GAS/ SCATTERING LAW/ EXPERIMENT/ TOF/ MOLECULE DYNAMICS ..ROOM TEMP.
62-BR-02 BRUGGER METHANE/ H2.O/ D2.O/ PROPANE ..THEORY/ EXPERIMENT/ SCATTERING FUNCTION
62-GR-01 GRIFFING METHANE ..GAS/ EXPERIMENT/ CALCULATION
62-MC-01 MCMURRY, GANNON+ METHANE/ PROPANE ..THEORY/ GAS/ DIFFERENTIAL CROSS SECTION
62-ST-01 STILLER, HAUTECLER METHANE ..EXPERIMENT/ MOLECULAR DYNAMICS/ LIQUID
63-GR-01 GRIFFING C.H4 ..SIGMA(E,E-PRIME,THETA)/ SCATTERING FUNCTION/ THEORY/ GAS/ CROSS SECTION
63-HA-03 HAUTECLER, STILLER C,H4 ..SIGMA(E,E-PRIME,THETA)/ EXPERIMENT/ MOLECULAR DYNAMICS
63-JA-01 JANIK C.H4/ N.H4.I/ N.H4.CL/ N.H4.BR/ N.H4.S.O3.F ..SIGMA(E)/ SIGMA(E,E-PRIME,THETA)/ EXPERIMENT/ THE
63-JA-02 JANIK, JANIK+ C.H4/ N.H3/ H2.S/ H2.O ..SIGMA(E)/ EXPERIMENT/ LIQUID
63-RO-01 ROGALSKA METHANE ..SIGMA(E)/ EXPERIMENT/ LIQUID ..-156DC/ 0.0057 TO 0.101EV
63-RO-02 ROGALSKA METHANE ..EXPERIMENT/ TOTAL SCATTERING CROSS SECTION VS. NEUTRON ENERGY/ LIQUID STATE
63-ST-01 STILLER, HAUTECLER METHANE ..SOLID/ EXPERIMENT
63-WE-01 WEBB C.H4/ N.H3/ H2 ..SIGMA(E,E-PRIME,THETA)/ EXPERIMENT/ GAS ..ROOM TEMPERATURE
64-BR-05 BRUGGER, RAINEY+ C,H4 ..EXPERIMENT/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION
64-DO-02 DORNER, STILLER METHANE ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION ..6.5DK/ BE DETECTOR METHOD
64-JA-01 JANIK, JANIK+ C.H4/ C.H3.I/ DIMETHYLACETYLENE/ N.H4.CL.O4/ N.H4.P.F6/ H3.O.CL.O4/ DIMETHOXYAZOXYBENZENE
64-OT-01 OTNES, MELLOR+ C.H4 ..EXPERIMENT/ LIQUID
64-VA-01 VAN-DINGENEN, NEVEDE-MEVERGNIES ACETYLENE/ AMMONIA/ METHANE ..TOTAL CROSS SECTION/ EXPERIMENT/ SOLID ..LON
64-WH-01 WHITTEMORE C.H4/ H ..EXPERIMENT/ LIQUID/ MOLECULAR DYNAMICS ..NEUTRON SPECTRA/ TOTAL CROSS SECTION
65-DA-02 DASANNACHARYA, VENKATARAMAN+ C.H4 ..SIGMA(E.E.-PRIME.THETA)/ EXPERIMENT/ LIQUID ..E=4.87 MILLI-V/ 97.5DK
65-DO-06 DORNER, STILLER C.H4 ..SIGMA(E.E-PRIME.THETA)/ EXPERIMENT/ SOLID/ MOLECULAR DYNAMICS
65-GA-01 GANNON, MCMURRY C.H4/ C2.H6/ COMPUTER-CODES ..THEORY/ MOLCULAR DYNAMICS/ SCATTERING FUNCTION
65-GR-01 GRIFFING C.H4 ..THEORY/ LIQUID ..LANGEVIN EQUATION/ COMPARED WITH EXPERIMENT
65-GR-02 GRIFFING METHANE ..THEORY/ LIQUID METHANE
65-GR-03 GRIFFING METHANE ..GAS DYNAMICS/ C.D4
65-HA-03 HARKER, BRUGGER METHANE ..SOLID/ LIQUID/ GAS/ SCATTERING LAW/ EXPERIMENT/ TOF/ MOLECULAR DYNAMICS ..125DK/

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65-RO-01  ROGALSKA        METHANE ..EXPERIMENT/ SOLID/ LIQUID/ TOTAL CROSS SECTION ..105DK/ 80DK/ 1.5MEV-4.5MEV
65-WH-01  WHITEMORE       POLYETHYLENE/ GRAPHITE/ METHANE/ ZR-H/ Y-H/ LA-H ..EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERI
66-BR-05  BRUGGER         METHANE/ ETHANE/ AL/ NA/ PB/ AR ..COMPILATION/ SCATTERING FUNCTION
66-DO-04  DORNER, STILLER      C.H4 ..EXPERIMENT/ FREQUENCY DISTRIBUTION/ SOLID ..6.5DK/ 2.7DK/ INVERSE-FILTER-METHOD
66-DO-05  DORNER, STILLER      C.H4 ..EXPERIMENT/ 6.5, 2.7, 18DK/ INVERTED FILTER METHOD
66-HA-01  HARKER          METHANE ..SIGMA(E,E-PRIME,THETA)/ EXPERIMENT/ SOLID ..5DK, 9DK, 18DK, 22DK/ E=34.7MV, THETA=48,
66-KO-05  KOSALY, SOLT      C.H4/ N.H4.I ..THEORY/ DIFFERENTIAL CROSS SECTION ..86DK FOR C.H4/ ROOM TEMP. FOR N.H4.I
66-SI-03  SINHA, VENKATARAMAN      NEUTRON-SCATTERING-IN-FLUIDS/ METHANE ..MOLECULAR DYNAMICS ..DIFFERENTIAL CROSS SECTIO
66-VE-01  VENKATARAMAN, DASANNACHARYA+      METHANE ..LIQUID/ EXPERIMENT/ MOLECULAR DYNAMICS/ TOF ..COHERENT
66-VE-03  VENKATARAMAN, RAO+      AMMONIA/ METHANE ..THEORY/ CALCULATION/ CROSS SECTION/ GAS PHASE
66-WE-01  WEST, BRUGGER+      METHANE ..SCATTERING LAW/ EXPERIMENT/ THEORY/ GAS ..306DK/ C.D4
66-WE-02  WEST, BRUGGER+      C.H4 ..EXPERIMENT/ SCATTERING FUNCTION/ GAS/ MOLECULAR DYNAMICS ..306DK/ TOF
67-AG-02  AGRAWAL, YIP      C.H4 ..THEORY/ LIQUID/ CROSS SECTION EVALUATION
67-BA-01  BAJOREK, NATKANIEC+      METHANE ..EXPERIMENT/ GAS/ SOLID/ CRYSTAL SPECTROMETER
67-BA-02  BALLY, TODIREANU+      METHANE/ ETHYLENE ..GAS/ EXPERIMENT
67-DA-02  DASANNACHARYA, VENKATARAMAN      C.H4 ..CROSS SECTION EVALUATION/ LIQUID/ EXPERIMENT/ DIFFUSION PARAMETER/ FREQ
67-HA-01  HARKER, BRUGGER      METHANE ..EXPERIMENT/ SOLID/ TOF/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION ..5DK/ 9.1DK/ 18
67-RA-08  RAO, VENKATARAMAN+      C.H4 ..THEORY/ LIQUID ..COMPARED WITH EXPERIMENT
67-SE-01  SEARS           METHANE ..THEORY/ LIQUID ..COMPARED WITH EXPERIMENT
67-SO-01  SOLT            METHANE ..MOLECULAR DYNAMICS/ SCATTERING FUNCTION/ SOLID
67-VE-01  VENKATARAMAN, DASANNACHARYA+      METHANE ..LIQUID/ EXPERIMENT/ THEORY ..COHERENT EFFECT
67-VE-03  VERDAN          METHANE/ ACETYLENE/ ETHYLENE ..EXPERIMEUT/ ADSORBED MOLECULES
67-WE-01  WEBB            METHANE/ AMMONIA ..GAS/ EXPERIMENT/ NEUTRON SPECTRUM ..20DK
68-AG-01  AGRAWAL, YIP      C.H4/ H.CL/ N.H3 ..GAS/ THEORY/ CORRELATION FUNCTION ..INCOHERENT/ INTERMEDIATE SCATTERING FU
68-AG-02  AGRAWAL, DESAI+      NEUTRON-SCATTERING-IN-FLUIDS/ AR/ NA/ PB/ METHANE ..THEORY ..MODEL CALCULATION
68-BA-01  BAJOREK, NATKANIEC+      C.H4 ..EXPERIMENT/ GAS/ SOLID/ MOLECULAR DYNAMICS ..TOF METHOD/ IBR PULSED REACTOR, DU
68-CA-03  CARPENTER, LURIE      C2.F6/ C.H4 ..EXPERIMENT/ GAS/ SCATTERING FUNCTION
68-ED-01  EDER, EGELSTAFF      METHANE ..EXPERIMENT/ SOLID/ LIQUID/ THEORY/ MOLECULAR DYNAMICS ..METHANE IN ARGON
68-FU-01  FULINSKI, ZGIERSKI      METHANE ..EXPERIMENT/ GAS
68-JA-02  JANIK           C.H4/ H2.O/ N.H3/ LI2.S.O4.H2.O/ H3.O.N.O3/ C.H3.I ..EXPERIMENT/ GAS/ LIQUID/ SOLID/ MOLECULAR
68-SK-01  SKOELD          METHANE ..SCATTERING FUNCTION/ SOLID/ MOLECULAR DYNAMICS/ THEORY ..22.1DK/ ORIENTATIONAL JUMP D
69-FU-01  FULINSKI, JANIK+      METHANE ..THEORY/ MOLECULAR INTERACTION
69-JA-03  JANIK, OTNES+      METHANE ..EXPERIMENT/ SPECTRUM AGAINST WAVELENGTH/ SOLID
69-JA-04  JANIK, OTNES+      C.H4 ..EXPERIMENT/ TOF SPECTRA
70-BA-01  BANSAL, KOTHARI+      METHANE ..THEORY/ SOLID/ LATTICE VIBRATION/ FREQUENCY DISTRIBUTION
70-KA-02  KAPULLA, GLAESER      C.H4 ..EXPERIMENT
71-HA-02  HAMA, NAKAMURA      NEUTRON-SCATTERING-IN-FLUIDS/ METHANE ..THEORY/ MOLECULE/ GAS/ ROTATIONAL CORRELATION/ CROS
71-PR-02  PRESS, DORNER+      C.H4 ..EXPERIMENT/ SOLID C.D4/ PHONON DISPERSION
71-PR-03  PRESS           C.H4 ..EXPERIMEN/ SOLIDS/ LATTICE DYNAMICS/ DISPERSION RELATION/ MOLECULARVIBRATIONS
71-RA-03  RAO, DASAUNACHARYA+      METHANE ..MULTIPLE SCATTERING/ CALCULATION/ CORRECTION
71-TI-01  TIITTA, TUNKELO      METHANE ..LIQUID/ MULTIPLE SCATTERING
72-HU-01  HUELLER, PRESS      C.H4 ..CRITICAL SCATTERING/ C.D4
72-IN-01  INOUE, OTOMO+      METHANE ..NEUTRON SPECTRA
72-KA-07  KAPULLA         C.H4 ..EXPERIMENT/ SOLID/ ROTATING CRYSTAL SPECTROMETER/ SIGMA (E, E-PRIME,THETA)
72-KA-08  KAPULLA, GLAESER      METHANE ..EXPERIMENT/ SOLID METHANE/ SMALL ENERGY PEAKS
72-TI-01  TIITA, TUNKELO      METHANE ..MULTIPLE SCATTERING
72-WA-03  WASIUTYNSKI, LUTY      C.H4 ..THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..SP
73-HA-01  HAMA, MIYAGI      METHANE ..THEORY/ NUCLEA SPIN CORRELATION EFFECT/ ZEMACH-GLAUBER APPROXIMATION
74-OL-01  OLSSON, LARSSON      C.H4/ AR ..NEUTRON SCATTERING/ DIFFUSION CONSTANT
74-PR-03  PRESS, HUELLER      C.H4 ..PHASE TRANSITION/ QUASIELASTIC SCATTERING
74-RA-05  RAO, MURTHY      METHANE ..EXPERIMENT/ X-RAY/ STRUCTURE FACTOR/ DIRECT CORRELATION FUNCTION
75-KA-01  KAHN            C.H4 ..INELASTIC NEUTRON SCATTERING/ LOW TEMPERATURE/ EXPERIMENT
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76-CA-01 CARELLI, DE-SANTIS+ KR/ C,H4 ..EXPERIMENT/ DIFFUSION PARAMETER ..LENARD-JONES FLUID/ HARD-SPHERE FLUID/220
76-DE-01 DE-RAEDT, MICHEL C,H4 ..THEORY/ MOLECULAR DYNAMICS
77-LU-01 LUSHINGTON, MORRISON C,H4 ..EXPERIMENT/ TOTAL CROSS SECTION/ EFFECT OF SPIN CONVERSION
77-ST-01 STIRLING, PRESS+ C,H4 ..EXPERIMENT/ PHONON DISPERSION

6, 73 METHANETELLUROL C,H4,TE

72-SI-09 SINK, HARVEY C,H4,TE ..EXPERIMENT ..INFRARED AND RAMAN SPECTRA

6, 74 METHANOL C,H4,O

67-AL-02 ALDRED, EDEN+ ACETIC ACID/ METHANOL ..EXPERIMENT/ TOF SPECTRUM/ QUASI-ELASTIC PEAK WIDTH
67-AL-03 ALDRED, EDEN+ ACETIC ACID/ METHANOL ..EXPERIMENT/ SUBSTITUTION OF DEUTERIUM AND FLUORINE
69-SA-06 SAMPSON, CARPENTER METHANOL/ METHYLMERCAPTAN ..INELASTIC SCATTERING SPECTRA
70-DI-01 DIACONESCU, NAHORNIAK+ METHANOL/ CYCLOHEXANE ..INELASTIC SCATTERING SPECTRA
71-DE-02 DEMPSTER, ZERBI METHANOL ..THEORY/ EXPERIMENT/ LATTICE DYNAMICS
72-AL-01 ALDRED, STIRLING+ METHANOL/ TOLUENE ..EXPERIMENT/ QUASI-ELASTIC SCATTERING/ LIQUID/ DEUTERIUM SUBSTITUTION
72-AL-02 ALDRED, STIRLING+ METHANOL/ TOLUENE ..QUASIELASTIC/ MODEL ANALYSIS/ DIFFUSION
72-RO-01 RODRIGUES, VINHAS+ METHANOL/ ETHANOL/ PROPANOL/ BUTANOL/ ETHANEDIOL/ PROPANETRIOL ..EXPERIMENT/ TOTAL SIGM
72-RO-02 RODRIGUEZ, DO-AMARAL+ METHANOL ..EXPERIMENT/ QUASIELASTIC SCATTERING/ MOLECULAR MOTION/ DIFFUSION

6, 75 METHOXYBENZYLIDENE-BUTYLANILINE MBBA

6, 76 METHYL CHLORIDE C,H3,CL

74-MA-01 MALM, DANNER+ C,H3,I/ C,H3,F/ C,H3,CL ..TIME-FLIGHT-SPECTRA

6, 77 METHYLCHLOROFORM METHYLCHLOROFORM

67-RU-02 RUSH METHYLCHLOROFORM/ PENTANE/ ETHANE ..COLD-NEUTRON/ FREQUENCY SPECTRUM

6, 78 METHYL FLUORIDE C,H3,F

74-MA-01 MALM, DANNER+ C,H3,I/ C,H3,F/ C,H3,CL ..TIME-FLIGHT-SPECTRA

6, 79 METHYL IODIDE C,H3,I

64-JA-01 JANIK, JANIK+ C,H4/ C,H3,I/ DIMETHYLACETYLENE/ N,H4,CL,O4/ N,H4,P,F6/ H3,O,CL,O4/ DIMETHOXYAZOXYBENZENE
66-BA-01 BAJOREK, JANIK+ METHYL IODIDE ..MOLECULAR DYNAMICS/ EXPERIMENT
74-MA-01 MALM, DANNER+ C,H3,I/ C,H3,F/ C,H3,CL ..TIME-FLIGHT-SPECTRA

6, 80 METHYLMERCAPTAN C,H3,S,H

69-SA-06 SAMPSON, CARPENTER METHANOL/ METHYLMERCAPTAN ..INELASTIC SCATTERING SPECTRA

6. 81 METHYLENE C.H2

57-KR-01 KRIEGER, NELKIN NEUTRON-SCATTERING-IN-FLUIDS/ C.H2/ H2.O ..SCATTERING THEORY ..MOLECULE
65-YO-01 YOUNG, KOPPEL BE/ C/ H2.O/ D2.O/ C.H2/ H2/ D2 ..THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATION
67-BE-03 BEYSTER, BORGONOVI+ C.H2/ C6.H6/ ZR-H ..EXPERIMENT
68-BE-04 BEYSTER, BORGONOVI+ C.H2/ ZR-H/ C6.H6 ..EXPERIMENT/ MOLECULAR DYNAMICS
68-HE-02 HERDADE METHYLENE ..EXPERIMENT/ SIGMA(E) ..METHYL GROUPS IN ORGANIC COMPOUNDS

6. 82 METHYLENE CHLORIDE C.H2.CL2

72-BR-01 BRIER, HIGGINS C.H2.CL2 ..EXPERIMENT/ MOLECULAR LIQUID/ TOF SPECTRA/ MODEL ANALYSIS

6. 83 METHYLZINC BOROHYDRIDE C.H3.ZN.B.H4

73-NI-01 NIBLER, COOK C.H3.ZN.B.H4 ..EXPERIMENT/ SOLID/ LATTICE VIBRATION ..F.G-MATRIX METHOD/ INFRARED AND RAMAN S

6. 84 MYOGLOBIN MYOGLOBIN

75-IB-01 IBEL, STUHRMANN MYOGLOBIN ..SMALL-ANGLE SCATTERING/ STRUCTURE OF PROTEIN

6. 85 NAPHTHALENE C10.H8

67-PA-06 PAWLEY NAPHTHALENE/ ANTHRACENE ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRA/ DEBYE TEMP./ DEBYE-WALL
67-PA-07 PAWLEY NAPHTHALENE/ ANTHRACENE ..THEORY/ PHONON DISPERSION/ PHONON SPECTRUM/ 6-EXP FORCE
69-PA-04 PAWLEY, YEATS NAPHTHALENE ..EXPERIMENT/ PHONON DISPERSION/ DEUTRATED SAMPLE
70-PA-07 PAWLEY, CYVIN NAPHTHALENE ..THEORY/ DISPERSION RELATION/ MOLECULAR DYNAMICS/ SOLID
71-PA-03 PAWLEY, REYNOLDS+ NAPHTHALENE ..THEORY/ POLYCRYSTAL/ LATTICE DYNAMICS
73-FI-01 FILIPPINI, GRAMACCIOLI+ NAPHTHALENE/ ANTHRACENE/ PHENANTRACENE/ PYRENE/ ANNULENE ..THEORY/ LATTICE DYNAMIC
73-GR-01 GRAMACCIOLI, SIMONETTA+ ANTHRACENE/ NAPHTHALENE/ BUTANOANNULENE ..THEORY/ AROMATIC HYDROCARBON/ VIBRATION
74-PA-10 PAWLEY, MIKA NAPHTHALENE/ ANTHRACENE/ SULPHUR ..THEORY/ PRESSURE EFFECT/ LATTICE DYNAMICS/ PHONON DISPERSI
76-BO-03 BOKHENKOV, NATKANIEC+ NAPHTHALENE ..INCOHERENT NEUTRON SCATTERING/ EXPERIMENT
77-BO-01 BOKHENKOV, SHEKA+ C10.H8 ..EXPERIMENT/ INELASTIC NEUTRON SCATTERING/ DISPERSION CURVE
77-CH-03 CHEN, PRASAD C10.H8 ..RAMAN PHONON SPELTRA
77-MA-02 MACKENZIE, PAWLEY+ NAPHTHALENE ..EXPERIMENT/ PHONON DISPERSION/ MODEL FITTING

6. 86 NONADECANE C19.H40

72-BA-07 BARNES NONADECANE/ EICOSANE ..EXPERIMENT/ QEASI-ELASTIC PEAK/ ROTATIONAL DIFFUSION/ PLASTIC CRYSTAL

6. 87 NYLON

65-SA-01 SAFFORD, LOSACCO NYLON ..EXPERIMENT/ TOF SPECTRA/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS

6. 88 OCTANE C8.H18

73-LO-02 LOGAN, DANNER+ PENTANE/ HEXANE/ HEPTANE/ OCTANE ..EXPERIMENT/ INCOHERENT/ T-O-F SPECTRA/ PHONON DISPERSION

6. 89 OXALIC ACID C2.H2.O4

70-CO-03 COLLINS, HAYWOOD FORMIC ACID/ ACETIC ACID/ PROPIONIC ACID/ OXALIC ACID/ MALONIC ACID/ SUCCINIC ACID/ MONOC

6. 90 PARAFFINE

59-MC-01 MCCALL, DOUGLASS+ PARAFFINE ..DIFFUSION PARAMETER/ EXPERIMENT/ LIQUID
61-BR-03 BRUGGER ZR-H/ H2.O/ BENZENE/ PARAFFINE/ ALCOHOL ..SIGMA (E,E-PRIME,THETA)/ EXPERIMENT/ LIQUIDS/ TOF
64-DA-02 DANNER, SAFFORD+ POLYETHYLENE/ PARAFFINE ..FREQUENCY SPECTRUM/ EXPERIMENT/ SOLID/ MOLECULAR DYNAMICS
65-BO-03 BOUTIN, PRASK+ POLYETHYLENE/ PARAFFINE ..FREQUENCY SPECTRUM/ EXPERIMENT/ SOLID
68-BA-03 BANK, KRIMM POLYETHYLENE/ PARAFFINE ..FREQUENCY DISTRIBUTION/ SOLID/ EXPERIMENT ..INFRARED ABSORPTION SPEC
73-WU-01 WU, NICOL POLYETHYLENE/ PARAFFINE ..EXPERIMENT/ RAMAN SPECTRA/ PRESSURE EFFECT/ LATTICE MODE

6. 91 PENTANE C5.H12

64-LA-01 LARSSON, DAHLBORG H2.O/ D2.O/ PENTANE/ GLYCELINE ..EXPERIMENT/ LIQUID/ FREQUENCY DISTRIBUTION
66-LA-01 LARON, BERGSTEDT ALCOHOL/ PENTANE ..THEORY/ LIQUID/ MOLECULAR DYNAMICS/ NEUTRON SPECTRA/ DIFFERENTIAL CROS
66-LA-02 LARSSON, AMARAL+ ALCOHOL/ PENTANE ..EXPERIMENT/ LIQUID/ MOLECULAR DYNAMICS/ DIFFERENTIAL CROSS SECTION ..1
67-RU-02 RUSH METHYLCHLOROFORM/ PENTANE/ ETHANE ..COLD-NEUTRON/ FREQUENCY SPECTRUM
67-SK-01 SKOELD, KARLEN+ PENTANE/ H2.O ..MOLECULAR DYNAMICS/ SOLID/ EXPERIMENT/ FREQUENCY SPECTRUM
68-DA-01 DAHLBORG, FRIBERG+ PENTANE/ PENTANOL ..EXPERIMENT ..QUASI-ELASTIC/ TEMPERATURE EFFECT
68-GR-01 GRANT, STRONG+ PENTANE ..EXPERIMENT/ LIBRATIONAL MOTION
70-DE-01 DE-GRAAF, SCIESINSKI PENTANE ..EXPERIMENT/ QUASI-ELASTIC PEAK ..ROTATIONAL-DIFFUSION/ REORIENTATIONAL JUMP
70-EG-01 EGELSTAFF, HARRIS PENTANE/ HEPTANE/ DODECANE ..EXPERIMENT/ QUASI-ELASTIC/ DIFFUSION CONSTANT
72-DA-01 DAHLBORG, GRAESLUND+ PENTANE ..EXPERIMENT/ CRYSTAL SPECTROMETER ..PHASE TRANSITION/ OSCILLATIONAL AND ROTA
73-LO-02 LOGAN, DANNER+ PENTANE/ HEXANE/ HEPTANE/ OCTANE ..EXPERIMENT/ INCOHERENT/ T-O-F SPECTRA/ PHONON DISPERSION

6. 92 PENTANOL C5.H12.O

67-RA-07 RAPEANU, ILESCU PENTANOL ..EXPERIMENT/ MOLECULAR DYNAMICS ..ROOM TEMP./ 3-AXIS SPECTROMETER
68-DA-01 DAHLBORG, FRIBERG+ PENTANE/ PENTANOL ..EXPERIMENT ..QUASI-ELASTIC/ TEMPERATURE EFFECT

6. 93 PHENANTHRENE C14.H10

71-SP-02 SPIELBERG, ARNDT+ PHENANTHRENE ..SOLID/ EXPERIMENT ..HINDERED VIBRATION

6. 94 PHENANTRACENE

73-FI-01 FILIPPINI, GRAMACCIOLI+ NAPHTHALENE/ ANTHRACENE/ PHENANTRACENE/ PYRENE/ ANNULENE ..THEORY/ LATTICE DYNAMIC

6. 95 PHENYL

64-SP-01 SPRINGER, HOFMYER+ H2.O/ D2.O/ PHENYL/ ZR-H ..EXPERIMENT/ LIQUID/ DIFFUSION PARAMETER ..AVE-MU

6. 96 P-AZOXYANISOLE PAA

70-BL-01 BLINC, DIMIC P-AZOXYANISOLE ..EXPERIMENT/ TOF ..PIFFUSION CONSTANT/ LIQUID CRYSTAL
70-BL-02 BLINC, DIMIC P-AZOXYANISOLE ..EXPERIMENT/ DIFFUSION BROADENING/ NEMATIC AND ISOTROPIC LIQUID
71-JA-03 JANIK, JANIK+ PAA ..EXPERIMENT/ QUASI-ELASTIC SCATTERING/ NEMATIC PHASE/ DIFFUSION COEFFICIENT
72-JA-04 JANIK, JANIK+ P-AZOXYANISOLE ..EXPERIMENT/ QUASI-ELASTIC SCATTERING/ NEMATIC LIQUID CRYSTAL/ 396-399K/ EXT
72-PY-02 PYNN, OTNES+ P-AZOXYANISOLE ..EXPERIMENT/ NEUTRON DIFFRACTION/ PHASE DIAGRAM
74-BA-05 BATA, VIZI+ P-AZOXYANISOLE ..EXPERIMENT/ LIQUID CRYSTAL PHASE/ QUASI-ELASTIC SPECTRUM/ ROTATIONAL DIFFUSIO
74-PY-02 PYNN, RISTE PAA ..EXPERIMENT/ NEUTRON DIFFRACTION
75-MO-01 MOELLER, RISTE P-AZOXYANISOLE ..EXPERIMENT/ NEMATIC LIQUID/ ONSET OF CONVECTION AND TURBULENCE
76-CO-03 CONRAD, STILLER+ P-AZOXYANISOLE ..EXPERIMENT/ PHONON-LIKE EXCITATION/ DISPERSION
76-CO-04 CONRAD, STILLER+ P-AZOXYANISOLE ..EXPERIMENT/ LIQUID CRYSTAL/ PHONON-LIKE EXCITATION
76-HE-06 HERVET, DIANOUX+ P-AZOXYANISOLE ..EXPERIMENT/ QUASIELASTIC/ UNIAXIAL ROTATIONAL JUMP
76-KO-03 KOHL1, OTNES+ P-AZOXYANISOLE ..THEORY/ EXPERIMENT/ NEMATC PHASE/ ORDER PARAMETER/ COHERENT CROSS SECTION
77-BR-03 BROUDE, KROO+ PAA ..EXPERIMENT/ PHONON-LIKE EXCITATION/ LIQUID CRYSTAL
77-JA-04 JANIK, JANIK+ P-AZOXYANISOLE ..EXPERIMENT/ QUASIELASTIC/ ROTATIONAL DIFFUSION

6. 97 POLYACETALDEHYDE

68-LO-02 LONGSTER, WHITE POLYACETALDEHYDE/ POLYTRIFLUOROACETALDEHYDE ..EXPERIMENT/ TOF/ NEUTRON SPECTRUM ..ROOM TEM

6. 98 POLYACRYLONITRILE

67-TR-01 TREVINO, BOUTIN POLYETHYLENE/ POLYETHYLENEOXIDE/ POLYACRYLONITRILE/ POLYOXYMETHYLENE ..REVIEW/ TOF SPECTRA

6. 99 POLYALANINE POLYALANINE

70-KR-01 KRISHNAN, GUPTA POLYALANINE ..THEORY/ PHONON DISPERSION/ G.F MATRIX/ ALPHA-HELIX
70-KR-02 KRISHNAN, GUPTA POLYALANINE ..THEORY/ PHONON DISPERSION/ G.F MATRIX METHOD/ BETA-STRUCTURE

6.100 POLYDIMETHYLSILOXANE

69-HE-01 HENRY, SAFFORD POLYDIMETHYLSILOXANE ..EXPERIMENT/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS ..25DC/ -123DC
72-AL-06 ALLEN, BRIER+ POLYDIMETHYLSILOXANE ..EXPERIMENT/ QUASI-ELASTIC/ RUBBER STATE/ DOPPLER BROADENING/ INTERNAL
72-AL-07 ALLEN, BRIER+ POLYDIMETHYLSILOXANE ..QUASIELASTIC/ DIFFUSION
73-AM-01 AMARAL, VINHAS+ NEUTRON-SCATTERING-IN-SOLIDS/ POLYDIMETHYLSILOXANE ..EXPERIMENT/ SOLID/ T-O-F/ SIGMA (E)
74-AL-03 ALLEN, GHOSH+ POLYDIMETHYLSILOXANE ..QUASIELASTIC SCATTERING
74-AL-04 ALLENE, GHOSH+ POLYDIMETHYLSILOXANE ..EXPERIMENT/ QUASI-ELASTIC SCATTERING/ RUBBUR STATE/ DOPPLER BROADENI

6.101 POLYETHYLENE

58-MC-01 MCREYNOLS, NELKIN+ H2.O/ POLYETHYLENE/ ZR-H/ MG-H/ GRAPHITE ..EXPERIMENT/ THEORY/ LIQUID/ SOLID

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62-GO-02  GOLDMAN, FEDERIGHI      POLYETHYLENE ..SCATTERING THEORY/ NEUTRON SPECTRUM/ FREQUENCY DISTRIBUTION
62-LI-01  LIN, KOENIG      POLYETHYLENE ..THEORY/ SOLID/ MOLECULAR DYNAMICS
62-TA-01  TASUMI, SHIMANOUCHI+      POLYETHYLENE ..THEORY/ SOLID/ MOLECULAR DYNAMICS
62-ZE-01  ZEMLYANOV, CHERNOPLEKOV      POLYETHYLENE/ BENZENE/ BIPHENYL ..EXPERIMENT/ MOLECULAR DYNAMICS
63-GO-01  GOLDMAN, FREDERIGHI      POLYETHYLENE ..LIQUID/ THEORY/ SIGMA (E,E-PRIME,THETA)/ NEUTRON SPECTRUM
63-GO-02  GOLDMAN, FEDERIGHI      H2.O/ POLYETHYLENE ..CROSS SECTION EVALUATION
63-LI-01  LINDENMEIER, MATSUMOTO+      H2.O/ POLYETHYLENE/ COMPUTER-CODES ..SCATTERING THEORY/ LIQUID/ SIGMA(E,E-PRIME,TH
63-ZE-02  ZEMLYANOV, CHERNOPLEKOV      BENZENE/ BIPHENYL/ POLYETHYLENE ..INELASTIC SCATTERING SPECTRA
64-DA-02  DANNER, SAFFORD+      POLYETHYLENE/ PARAFFINE ..FREQUENCY SPECTRUM/ EXPERIMENT/ SOLID/ MOLECULAR DYNAMICS
64-DA-03  DANNER, BOUTIN+      POLYETHYLENE ..EXPERIMENT/ FREQUENCY DISTRIBUTION ..TOF/ 125, 178 AND 293DK
65-AR-01  ARMSTRONG      POLYETHYLENE ..EXPERIMENT/ SOLID
65-BE-01  BEYSTER, KOPPEL      D2.O/ H2.O/ POLYETHYLENE/ BE ..THEORY/ EXPERIMENT/ LIQUID/ SOLID/ CROSS SECTION EVALUATION
65-BO-03  BOUTIN, PRASK+      POLYETHYLENE/ PARAFFINE ..FREQUENCY SPECTRUM/ EXPERIMENT/ SOLID
65-KI-01  KITAGAWA, MIYAZAWA      POLYETHYLENE ..THEORY/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS/ MOLECULAR DYNAMICS ..S
65-MY-01  MYERS, DONOVAN+      POLYETHYLENE ..SIGMA(E,E-PRIME,THETA)/ FREQUENCY SPECTRUM/ EXPERIMENT/ SOLID
65-MY-02  MYERS, SUMMERFIELD+      POLYETHYLENE ..FREQUENCY SPECTRA
65-SU-01  SUMMERFIELD      POLYETHYLENE ..THEORY ..SCATTERING CROSS SECTION FOR POLYETHYLENE
65-TA-01  TASUMI, SHIMANOUCHI      POLYETHYLENE ..THEORY/ MOLECULAR DYNAMICS/ DISPERSION RELATION
65-WH-01  WHITEMORE      POLYETHYLENE/ GRAPHITE/ METHANE/ ZR-H/ Y-H/ LA-H ..EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERI
66-KI-01  KIROUAC, MOORE+      H2.O/ POLYETHYLENE ..EXPERIMENT/ DOUBLE DIFFERENTIAL CROSS SECTION
66-KI-03  KIROUAC, MOORE+      POLYETHYLENE ..EXPERIMENT/ SCATTERING FUNCTI6N ..29DC
66-KO-01  KOPPEL      POLYETHYLENE/ ZR-H/ H2.O ..SCATTERING FUNCTION/ SCATTERING CROSS SECTION/ NEUTRON SPECTRUM
66-KO-04  KOPPEL      H2.O/ POLYETHYLENE/ ZR-H/ H ..CROSS SECTION EVALUATION/ SCATTERING FUNCTION/ THEORY/ LIQUID/ SO
66-MY-01  MYERS, SUMMERFIELD+      POLYETHYLENE ..MOLECULAR DYNAMICS/ EXPERIMENT/ SIGMA (E)/ FREQUENCY SPECTRUM
66-SA-01  SAFFORD, HAUMANN+      POLYETHYLENE ..FREQUENCY SPECTRUM/ NEUTRON SPECTRUM/ EXPERIMENT/ LIQUID ..NEUTRON SCATTE
66-TR-01  TREVINO      POLYETHYLENE ..EXPERIMENT/ NEUTRON SPECTROSCOPY ..TOF/ ORIENTED SAMPLE
66-WH-01  WHITTEMORE      POLYETHYLENE ..EXPERIMENT
67-BI-01  BISCHOFF, BRYANT+      POLYETHYLENE/ H2.O/ ZR-H/ NB-H/ U.O2 ..EXPERIMENT
67-KI-02  KITAGAWA, MIYAZAWA      POLYETHYLENE ..THEORY/ FREQUENCY DISTRIBUTION/ SIGMA (E,E-PRIME,THETA)
67-KI-03  KITAGAWA, MIYAZAWA      POLYETHYLENE ..THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION ..DIFFERENTIAL CROSS SE
67-MO-01  MOORE, KIROUAC+      POLYETHYLENE ..EXPERIMENT/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS ..300DK
67-SC-01  SCHAUFELE, SHIMANOUCHI      POLYETHYLENE ..LATTICE DYNAMICS/ MOLECLAR DYNAMICS/ THEORY/ ..OPTICAL EXPERIMENT
67-TA-01  TASUMI, KRIMM      POLYETHYLENE ..MOLECULAR DYNAMICS/ THEORY/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
67-TR-01  TREVINO, BOUTIN      POLYETHYLENE/ POLYETHYLENEOXIDE/ POLYACRYLONITRILE/ POLYOXYMETHYLENE ..REVIEW/ TOF SPECTRA
67-TU-01  TUCKER, REESE      POLYETHYLENE ..EXPERIMENT
68-BA-03  BANK, KRIMM      POLYETHYLENE/ PARAFFINE ..FREQUENCY DISTRIBUTION/ SOLID/ EXPERIMENT ..INFRARED ABSORPTION SPEC
68-FE-01  FELDKAMP, VENKATARAMAN+      POLYETHYLENE ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ CONST.-Q
68-KI-02  KITAGAWA, MIYAZAWA      POLYETHYLENE ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
68-KI-03  KITAGAWA, MIYAZAWA      POLYETHYLENE ..THEORY/ FREQUENCY DISTRIBUTION ..ONE, TWO, THREE-PHONON SCATTERING/ 100D
68-LY-01  LYNCH-JR, SUMMERFIELD+      POLYETHYLENE ..SOLID/ EXPERIMENT/ THEORY/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS
68-MY-01  MYERS, RANDOLPH      POLYETHYLENE ..EXPERIMENT/ LATTICE DYNAMICS ..DIFFERENTIAL CROSS SECTION/ 300DK/ 77DK/ 4.2
68-MY-02  MYERS      POLYETHYLENE ..FREQUENCY DISTRIBUTION/ EXPERIMENT/ SOLID ..TOF/ SPECIFIC HEAT
68-PI-01  PISERI, ZERBI      POLYETHYLENE ..THEORY/ PHONON SPECTRA/ ZIG-ZAG CHAIN
69-CH-01  CHANG, SUMMERFIELD      POLYETHYLENE ..SOLID/ THEORY/ FREQUENCY DISTRIBUTION
69-FE-02  FELDKAMP, KING      POLYETHYLENE ..CRYSTAL DYNAMICS/ POLYMER
69-IV-01  IVANITSKII, KROTENKO+      POLYETHYLENE ..FREQUENCY SPECTRA
69-KI-02  KIROUAC, JERNOW+      POLYETHYLENE ..THEORY/ MOLECULAR DYNAMICS ..SCATTERING CROSS SECTION EVALUATION
69-MA-04  MATSUURA, MIYAZAWA      POLYETHYLENE ..FREQUENCY DISTRIBUTION/ MOLECULAR DYNAMICS/ THEORY/ DISPERSION RELATION
69-MO-02  MOORE, KIROUAC+      POLYETHYLENE ..FREQUENCY SPECTRA
69-SP-01  SPREVAK, KOPPEL      POLYETHYLENE ..THEORY/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ SIGMA (E) ..SCATTERING
70-DO-02  DOI, SAKAMOTO+      POLYETHYLENE ..EXPERIMENT/ FREQUENCY DISTRIBUTION
70-KI-03  KITAGAWA      AR/ KR/ POLYETHYLENE ..REVIEW/ LATTICE DYNAMICS
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70-KI-04 KITAGAWA, MIYAZAWA POLYETHYLENE ..THEORY/ PHONON DISPERSION/ FREQUENCY SPECTRUM/ PERDEUTRATED PE
70-MA-01 MACHIDA POLYETHYLENE ..THEORY/ EFFECT OF END GROUP VIBRATION/ DISPERSION CURVES
71-BE-02 BERGHMANS, SAFFORD+ POLYETHYLENE ..EXPERIMENT/ FREQUENCY SPECTRA/ LOW-FREQUENCY MOTION/ VARIOUS TEMPERATUR
71-BR-02 BROADHURST, MOPSIK POLYETHYLENE ..THEORY/ FREQUENCY SPECTRA/ LINEAR POLYMER
71-ZE-02 ZERBI, PISERI+ POLYETHYLENE ..THEORY/ FREQUENCY SPECTRA/ PERFECT AND IRREGULAR POLYMER CHAIN
72-MA-01 MARSH, MARTIN POLYETHYLENE ..THEORY/ PHONON DISPERSION/ PHONON SPECTRUM/ PROPAGATING TRASVERSELY TO CHAIN
72-SA-01 SAKAMOTO, IIZUMI+ K.H.F2/ (N.H4)2.S.O4/ POLYETHYLENE ..EXPERIMENT/ BE-FILTER-DETECTOR/ MOLECULAR DYNAMICS
72-TW-01 TWISLETON, WHITE POLYETHYLENE ..EXPERIMENT/ PHONON DISPERSION/ PERPENDICULAR TO CHAIN AXES
73-HA-02 HARLEY, HAYES+ POLYETHYLENE ..EXPERIMENT/ RAMAN/ LOW-FREQUENCY PHONON/ 4.2-373K
73-HE-01 HERDADE, VINHAS+ POLYETHYLENE/ H2.O ..EXPERIMENT/ SOLID/ LIQUID/ T-O-F/ SIGMA (E)
73-WU-01 WU, NICOL POLYETHYLENE/ PARAFFINE ..EXPERIMENT/ RAMAN SPECTRA/ PRESSURE EFFECT/ LATTICE MODE
73-WU-02 WU, NICOL POLYETHYLENE ..EXPERIMENT/ RAMAN SPECTR./ LOW FREQUENCY/ PRESSURE EFFECT
75-SW-01 SWAMINATHAN, TEWARI+ POLYETHYLENE ..THEORY/ LATTICE DYNAMICS/ MODEL
76-PE-02 PETERLIN-NEUMAIER, SPRINGER POLYETHYLENE ..EXP./ QUASI-ELASTIC/ DIFFUSION MOTION
77-UL-01 ULLMAN, SUMMERFIELD+ POLYETHYLENE ..SMALL ANGLE SCATTERING/ HETEROGENEITY
77-YO-01 YOON, FLORY POLYETHYLENE ..SMALL ANGLE SCATTERING

6.102 POLYETHYLENEOXIDE

67-TR-01 TREVINO, BOUTIN POLYETHYLENE/ POLYETHYLENEOXIDE/ POLYACRYLONITRILE/ POLYOXYMETHYLENE ..REVIEW/ TOF SPECTRA
74-AL-01 ALLEN, HIGGINS+ POLYMETHYLPHENYLSILOXANE/ POLYPROPYLENE OXIDE/ POLYISOBUTYLENE/ POLYETHYLENEOXIDE ..EXPERI

6.103 POLYETHYLENE TEREPHTHALATE

75-BE-02 BERGHMANS, GROENINCKX POLYETHYLENE TEREPHTHALATE ..EXPERIMENT/ PHONON SPECTRA/ EFFECT OF CRYSTALLINITY

6.104 POLYGLUTAMIC ACID

66-BO-03 BOUTIN, WHITTEMORE POLYGLUTAMIC ACID ..EXPERIMENT/ FREQUENCY SPECTRUM/ MOLECULAR DYNAMICS
68-WH-03 WHITTEMORE POLYPEPTIDE/ POLYGLUTAMIC ACID ..EXPERIMENT/ TOF/ FREQUENCY DISTRIBUTION
77-RI-02 RINAUDO, DOMARD POLYGLUTAMIC ACID ..EXP./ SMALL-ANGLE/ INTERCHAIN CORRELATION

6.105 POLYGLYCINE

63-FU-01 FUKUSHIMA, IDEGUCHI+ POLYGLYCINE ..THEORY/ NORMAL VIBRATION
68-GU-01 GUPTA, TREVINS+ POLYGLYCINE ..FREQUENCY DISTRIBUTION/ THEORY/ LATTICE DYNAMICS
71-SI-02 SINGH, GUPTA POLYGLYCINE ..THEORY/ DISPERSION CURVE/ PHONON SPECTRA
72-FA-01 FANCONI POLYGLYCINE ..THEORY/ DISPERSION RELATION ..2-DIMENSIONAL LATTICE VIBRATION

6.106 POLYISOBUTYLENE

74-AL-01 ALLEN, HIGGINS+ POLYMETHYLPHENYLSILOXANE/ POLYPROPYLENE OXIDE/ POLYISOBUTYLENE/ POLYETHYLENEOXIDE ..EXPERI

6.107 POLYMETHYLPHENYLSILOXANE

74-AL-01 ALLEN, HIGGINS+ POLYMETHYLPHENYLSILOXANE/ POLYPROPYLENE OXIDE/ POLYISOBUTYLENE/ POLYETHYLENEOXIDE ..EXPERI

6.108 POLYOXYMETHYLENE

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66-KI-04  KITAGAWA, MIYAZAWA     POLYOXYMETHYLENE ,.THEORY/ FREQUENCY DISTRIBUTION/ SOLID ,.SPECIFIC HEAT
65-TR-02  TREVINO, BOUTIN     POLYOXYMETHYLENE ,.EXPERIMENT/ FREQUENCY SPECTRA/ LATTICE DYNAMICS
67-TR-01  TREVINO, BOUTIN     POLYETHYLENE/ POLYETHYLENEOXIDE/ POLYACRYLONITRILE/ POLYOXYMETHYLENE ,.REVIEW/ TOF SPECTRA
72-BO-02  BOERIO, CORNELL     POLYOXYMETHYLENE ,.THEORY/ DISPERSION CURVE/ FREQUENCY SPECTRA/ RAMAN EXPERIMENT
74-SA-02  SAKAMOTO, MASAKI+     POLYOXYMETHYLENE ,.EXPERIMENT/ ORIENTED CRYSTAL/ FREQUENCY SPECTRUM
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6.109 POLYPEPTIDE

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68-WH-03  WHITTEMORE     POLYPEPTIDE/ POLYGLUTAMIC ACID ,.EXPERIMENT/ TOF/ FREQUENCY DISTRIBUTION
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6.110 POLYPROPYLENE POLYPROPYLENE

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63-MI-03  MIYAZAWA, FUKUSHIMA+     POLYPROPYLENE ,.EXPERIMENT/ FAR-INFRARED SPECTROMETRY
63-MI-04  MIYAZAWA, IDEGUCHI+     POLYPROPYLENE ,.THEORY/ INFRARED SPECTRA/ INFINITE HELICAL CHAIN POLYMER/ NORMAL MODE
64-SA-01  SAFFORD, DANNER+     POLYPROPYLENE ,.EXPERIMENT/ TOF SPECTRA/ FREQUENCY SPECTRA/ LATTICE DYNAMICS
68-ZE-02  ZERBI, PISERI     POLYPROPYLENE ,.FREQUENCY DISTRIBUTION/ DIFFERENTIAL CROSS SECTION/ CRYSTAL/ THEORY,.F.G.MET
71-YA-01  YASUKAWA, KIMURA+     POLYPROPYLENE ,.EXPERIMENT/ TOF SPECTRUM/ FREQUENCY DISTRIBUTION
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6.111 POLYPROPYLENE OXIDE

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74-AL-01  ALLEN, HIGGINS+     POLYMETHYLPHENYLSILOXANE/ POLYPROPYLENE OXIDE/ POLYISOBUTYLENE/ POLYETHYLENEOXIDE ,.EXPERI
76-HI-01  HIGGINS     POLYPROPYLENE OXIDE ,.EXPERIMENT/ QUASIELASTIC SCATTERING
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6.112 POLYSTYRENE

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76-BE-05  BENOIT, DECKER+     POLYSTYRENE ,.EXP./ SMALL-ANGLE SCATT./ POLYMERIC NETWORKS
76-CO-08  COTTON, NIERLICH+     POLYSTYRENE ,.SMALL-ANGLE SCATTERING/ CORRELATION LENGTH/ RADIUS OF GYRATION/ SCREENING
77-AK-01  AKCASU, HIGGINS     POLYSTYRENE/ POLYTETRAHYDROFURAN ,.THEORY/ SCATTERING LAW/ QUASIELASTIC
77-AK-02  AKCASU, HIGGINS     POLYTETRAHYDROFURAN/ POLYSTYRENE ,.CALCULATION/ SCATTERING LAW/ DILUTE SOLUTION
77-SP-01  SPELLS, SHEPHERD+     POLYSTYRENE ,.EXPERIMENT/ FREQUENCY SPECTRUM
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6.113 POLYTETRAHYDROFURAN (C4.H8.O)N

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77-AK-01  AKCASU, HIGGINS     POLYSTYRENE/ POLYTETRAHYDROFURAN ,.THEORY/ SCATTERING LAW/ QUASIELASTIC
77-AK-02  AKCASU, HIGGINS     POLYTETRAHYDROFURAN/ POLYSTYRENE ,.CALCULATION/ SCATTERING LAW/ DILUTE SOLUTION
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6.114 POLYTETRAFLUOROETHYLENE TEFLON

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69-LA-02  LAGARDE, PRASK+     TEFLON ,.EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVE
73-PI-01  PISERI, POWELL+     TEFLON ,.EXPERIMENT/ CALCULATION/ PHONONDISPERSION
73-SA-01  SAKAMOTO, IIZUMI+     POLYTETRAFLUOROETHYLENE ,.EXPERIMENT/ PHONON DISPERSION/ PHASE TRANSITION
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6.115 POLYTRIFLUOROACETALDEHYDE

68-LO-02 LONGSTER, WHITE POLYACETALDEHYDE/ POLYTRIFLUOROACETALDEHYDE ..EXPERIMENT/ TOF/ NEUTRON SPECTRUM ..ROOM TEM

6.116 POLYVINYL CHLORIDE

68-LY-02 LYNCH-JR, SUMMERFIELD POLYVINYL CHLORIDE ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRI

6.117 POTASSIUM TRICHLOROACETATE K.C2.CL3.O2

70-CO-02 COLLINS, HAYWOOD+ K.H.F2/ CS.H.CL2/ NA.H.C.O3/ K.C2.CL3.O2/ K.C2.F3.O2 ..EXPERIMENT/ MOLECULAR DYNAMICS/ F

6.118 POTASSIUM TRIFLUOROACETATE K.C2.F3.O2

70-CO-02 COLLINS, HAYWOOD+ K.H.F2/ CS.H.CL2/ NA.H.C.O3/ K.C2.CL3.O2/ K.C2.F3.O2 ..EXPERIMENT/ MOLECULAR DYNAMICS/ F

6.119 PROPANE C3.H8

62-BR-02 BRUGGER METHANE/ H2.O/ D2.O/ PROPANE ..THEORY/ EXPERIMENT/ SCATTERING FUNCTION
62-MC-01 MCMURRY, GANNON+ METHANE/ PROPANE ..THEORY/ GAS/ DIFFERENTIAL CROSS SECTION
62-ST-02 STRONG, MARSHALL+ PROPANE
70-GR-01 GRANT, PUGMIRE+ PROPANE ..EXPERIMENT/ MOLECULAR DYNAMICS/ TOF

6.120 PROPANOL C3.H8.O

72-RO-01 RODRIGUES, VINHAS+ METHANOL/ ETHANOL/ PROPANOL/ BUTANOL/ ETHANEDIOL/ PROPANETRIOL ..EXPERIMENT/ TOTAL SIGM

6.121 PROPIONIC ACID C3.H6.O2

70-CO-03 COLLINS, HAYWOOD FORMIC ACID/ ACETIC ACID/ PROPIONIC ACID/ OXALIC ACID/ MALONIC ACID/ SUCCINIC ACID/ MONOC

6.122 PROTEIN PROTEIN

75-BA-03 BARTUNIK, JACOBE INSTRUMENTS-AND-METHODS/ PROTEIN ..MULTI-DETECTOR SYSTEM/ ILL.GRENOBLE

6.123 PYRAZINE C4.H4.N2

68-GE-01 GERBAUX, HADNI PYRAZINE ..FREQUENCY DISTRIBUTION/ EXPERIMENT/ SOLID

6.124 PYRENE C16.H10

73-FI-01 FILIPPINI, GRAMACCIOLI+ NAPHTHALENE/ ANTHRACENE/ PHENANTRACENE/ PYRENE/ ANNULENE ..THEORY/ LATTICE DYNAMIC

6.125 PYRIDINE PYRIDINE

69-FI-01 FISCHER BENZENE/ CYCLOHEXANE/ CYCLOHEXANOL/ PYRIDINE/ H2.O/ HEXANE/ METHANOL/ ETHANOL/ ACETONE/ ACETIC

6.126 RESIN

66-GR-01 GRAFFSTEIN, RZESSOT+ RESIN ..EXPERIMENT ..NEUTRON DIFFUSION PARAMETER

6.127 RUBBER

68-TU-02 TUNKELO, BAJOREK+ RUBBER ..EXPERIMENT/ TOF/ FREQUENCY DISTRIBUTION
74-AL-02 ALLEN, HIGGINS+ RUBBER ..QUASIELASTIC/ SEGMENTAL DIFFUSION

6.128 TAURINE TAURINE

72-DA-04 DAVIDOVIC, RATOKOVIC+ TAURINE/ ALPHA-AMINO-ISOBUTYRIC-ACID ..EXPERIMENT/ VIBRATIONAL SPECTRUM
72-DA-05 DAVIDOVIC, RATKOVIC+ TAURINE/ BUTYRIC ACID ..INELASTIC NEUTRON SCATTERING/ INCOHERENT

6.129 TEREPHTHAL-BIS-P-BUTYLANILINE TBBA

74-HE-02 HERVET, VOLINO+ TEREPHTHAL-BIS-P-BUTYLANILINE ..EXPERIMENT/ QUASI-ELASTIC SCATTERING/ LIQUID CRYSTAL/ PART
74-HE-03 HERVET, VOLINO+ TBBA ..EXPERIMENT/ QUASIELASTIC/ ROTATIONAL DIFFUSION

6.130 TERPHENYL C18.H14

62-BR-03 BRUGGER TERPHENYL ..SCATTERING LAW/ EXPERIMENT/ SOLID/ LIQUID ..23DC/ 207DC
65-HO-01 HOFMEYER BENZENE/ BIPHENYL/ TERPHENYL ..EXPERIMENT ..21DC-150DC 10X,23H DATA END IN GTMIN RTN.)
66-SC-02 SCHMIDT, SAAD BENZENE/ BIPHENYL/ TERPHENYL/ CYCLOHEXANE ..EXPERIMENT
72-RE-04 REYNOLDS, WHITE TERPHENYL ..EXPERIMENT/ NEUTRON SPECTROSCOPY/ MOLECULAR VIBRATION

6.131 TETRAMETHYLLEAD TML

76-KO-04 KOLLMAR, ALEFELD DIMETHYLACETYLENE/ TETRAMETHYLLEAD ..EXPERIMENT/ ROTATIONAL MOTION

6.132 TETRATHIAFULVALENE-TETRACYANOQUINODIMETH TTF-TCNQ

73-ZE-01 ZELLER REVIEW-ARTICLES/ KCP/ TTF-TCNQ ..ONE-DIMENSIONAL CONDUCTOR/ KOHN-PEIERLS INSTABILITY
74-GL-01 GLAESER REVIEW-ARTICLES/ KCP/ TTF-TCNQ ..ONE-DIMENSIONAL CONDUCTOR/ KOHN-PEIERLS INSTABILITY
75-CO-03 COMES, SHAPIRO+ TTF-TCNQ ..EXPERIMENT/ NEUTRON ELASTIC SCATTERING/ SOLID
76-CA-02 CARNEIRO TTF-TCNQ ..THEORY/ DYNAMICAL STRUCTURE FACTOR
76-CO-02 COMES, SHIRANE+ TTF-TCNQ ..EXPERIMENT/ ELASTIC SCATTERING/ CRITICAL SCATTERING/ CRYSTAL MODULATION STRUCTU
76-EL-01 ELLENSON, COMES+ TTF-TCNQ ..ELASTIC NEUTRON SCATTEKING/ PHASE TRANSITION
76-MO-01 MOOK, WATSON-JR TETRATHIAFULVALENE-TETRACYANOQUINODIMETHANE ..EXPERIMENT/ DISPERSION RELATION/ KOHN EFFECT

76-SH-08 SHIRANE, SHAPIRO+ TTF-TCNQ ..EXPERIMENT/ PHONON DISPERSION/ ONE-DIMENSIONAL CONDUCTOR/ DEUTRATED SAMPLE/ 6
77-EL-01 ELLENSON, SHAPIRO+ TTF-TCNQ ..EXPERIMEUT/ PHASE TRANSITION

6.133 TOLUENE C7.H8

68-HO-02 HOLMRYD, NELIN BENZENE/ TOLUENE ..EXPERIMENT/ TOF ..DIFFUSIVE MOTION/ QUASI-ELASTIC
71-WI-01 WINFIELD TOLUENE ..LIQUID/ QUASI.ELASTIC PEAK/ EXPERIMENT.
72-AL-01 ALDRED, STIRLING+ METHANOL/ TOLUENE ..EXPERIMENT/ QUASI-ELASTIC SCATTERING/ LIQUID/ DEUTERIUM SUBSTITUTION
72-AL-02 ALDRED, STIRLING+ METHANOL/ TOLUENE ..QUASIELASTIC/ MODEL ANALYSIS/ DIFFUSION

6.134 TRICHLOROMETHANE C.H.CL3

68-O--01 O-REILLY C.CL4/ C.H.CL3/ C6.H5.CL/ H.F/ H.CL/ N.H3/ H2.O ..CORRELAION FUNCTION/ MOLECULAR ROTAIONS/ LIQU

6.135 TRIFLUOROETHANE C.H3.C.F3

70-BR-02 BRIER, HIGGINS C.H3.C.F3 ..EXPERIMENT/ SCATTERING LAW/ ..TORSIONAL OSCICATION/ SPHERICAL TOP MOLECULE

6.136 TRIMETHYLAMMONIUM CHLORIDE (C.H3)3.N.H.CL

77-SC-03 SCHLAAK, COUZI+ (C.H3)3.N.H.CL ..EXPERIMENT/ VIBRATIONAL LEVEL

6.137 XYLENE C6.H4.(C.H3)2

76-UT-01 UTSURO XYLENE/ MESITYLEN ..EXPERIMENT/ TOF/ SIGMA(E)/ MOLECULA ROTATION ..10DK/ ELECTRON LIINA/ EFFECT

7 ADSORPTIONS AND SOLUTIONS

7. 1 ACETYLENE-CHARCOAL C2.H2-CHARCOAL

67-VE-04 VERDAN H2-CHARCOAL/ C.H4-CHARCOAL/ C2.H4-CHARCOAL/ C2.H2-CHARCOAL ..EXPERIMENT/ FREQUENCY SPECTRA/ ADS

7. 2 ALCOHOL-WATER

70-FR-02 FRANKS, RAVENHILL+ ALCOHOL-WATER ..EXPERIMENT/ NEUTRON SPECTROSCOPY ..DIFFUSION OF WATER IN AQUEOUS SOLUTI

7. 3 AMMONIA-ZEOLITE

66-DO-06 DOWNES, WHITE+ METHANE-QUINOL/ METHYL CYANIDE-QUINOL/ METHANOL-QUINOL/ WATER-QUINOL/ AMMONIA-ZEOLITE ..EXP

7. 4 AMMONIUM FLUORIDE-WATER N.H4.F-H2.O

65-ST-04 STILLER H.F-H2.O/ N.H4.F-H2.O ..EXPERIMENT/ SOLUTION/ BE-FILTER DETECTOR SPECTRUM

7. 5 ARGON-GRAPHITE AR-GRAPHITE

75-TA-02 TAUB, PASSELL+ AR-GRAPHITE ..EXPERIMENT/ AR-FILM/ ADSORBED ON GRAPHITE/ 5DK

7. 6 CESIUM CHLORIDE-WATER CS.CL-H2.O

70-LE-05 LEUNG, SAFFORD LI.CL-H2.O/ MG.CL2-H2.O/ CS.CL-H2.O/ K.CL-H2.O/ NA.CL-H2.O/ LA.(N.O3)3-H2.O/ ..EXPERIMENT/

7. 7 CHROMIUM CHLORIDE-WATER CR.CL3-H2.O

70-LE-06 LEUNG, SANBORN+ LA.(N.O3)3-H2.O/ CR.CL3-H2.O/ LA.CL3-H2.O ..EXPERIMENT/ H2.O MOTION IN SOLUTION AND GLASS

7. 8 DIETHYL DIETHYLENE GLYCOL-CARBON DISULFI

71-DE-03 DENIZ, JANNIK+ ETHYL ETHER-CARBON DISULFIDE/ DIETHYL DIETHYLENE GLYCOL-CARBON DISULFIDE ..THEORY/ EXPERIME

7. 9 ETHYL ETHER-CARBON DISULFIDE (C2.H5)2.O-C.S2

71-DE-03 DENIZ, JANNIK+ ETHYL ETHER-CARBON DISULFIDE/ DIETHYL DIETHYLENE GLYCOL-CARBON DISULFIDE ..THEORY/ EXPERIME

7. 10 ETHYLENE-CHARCOAL C2.H4-CHARCOAL

67-VE-04 VERDAN H2-CHARCOAL/ C.H4-CHARCOAL/ C2.H4-CHARCOAL/ C2.H2-CHARCOAL ..EXPERIMENT/ FREQUENCY SPECTRA/ ADS

7. 11 ETHYLENE OXIDE-CLATHRATE (C.H2)2-CLATHRATE

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7. 12 HYDROGEN-ALUMINA H2-ALUMINA

76-SI-01 SILVERA, NIELSEN H2-ALUMINA ..EXPERIMENT/ ADSORBED H2/ ROTATIONAL STATE

7. 13 HYDROGEN-CHARCOAL H2-CHARCOAL

67-VE-04 VERDAN H2-CHARCOAL/ C.H4-CHARCOAL/ C2.H4-CHARCOAL/ C2.H2-CHARCOAL ..EXPERIMENT/ FREQUENCY SPECTRA/ ADS

7. 14 HYDROGEN FLUORIDE-WATER H.F-H2.O

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7. 15 HYDROGEN-NICKEL H-NI

75-ST-04 STOCKMEYER, CONRAD+ H-NI ..EXPERIMENT/ FREQUENCY SPECTRUM/ CHEMISORBED
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77-RE-02 RENOUPREZ, FOUILLOUX+ H-NI ..EXPERIMENT/ VIBRATION LEVEL

7. 16 HYDROGEN-NITROGEN-NIOBIUM H-N-NB

76-RI-01 RICHTER, KEHR+ H-N-NB ..QUASIELASTIC SCATTERING/ HYDROGEN DIFFUSION

7. 17 HYDROGEN-PLATINUM H-PT

75-AS-01 ASADA, TOYA+ H-PT ..INELASTIC NEUTRON SCATTERING EXPERIMENT/ HYDROGEN ADSORBED ON PLATINUM
76-MA-02 MAHANTY, RICHARDSON+ HYDROGEN-PLATINUM ..THEORY/ ADSORBED HYDROGEN ON A PT SURFACE/ VIBRATIONAL FREQUENCY/

7. 18 KRIPTON-GRAPHITE KR-GRAPHITE

76-TH-02 THOREL, CROSET+ KR-GRAPHITE ..NEUTRON DIFFRACTION/ ABSORBID KR/ GRAPHITE

7. 19 LANTHANUM CHLORIDE-WATER LA.CL3-H2.O

70-LE-06 LEUNG, SANBORN+ LA.(N.O3)3-H2.O/ CR.CL3-H2.O/ LA.CL3-H2.O ..EXPERIMENT/ H2.O MOTION IN SOLUTION AND GLASS

7. 20 LANTHANUM NITRATE-WATER LA.(N.O3)3-H2.O

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7. 21 LITHIUM CHLORIDE-WATER LI.CL-H2.O

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7. 25 METHANOL-QUINOL C.H4.O-C6.H4.(O.H)2

66-DO-06 DOWNES, WHITE+ METHANE-QUINOL/ METHYL CYANIDE-QUINOL/ METHANOL-QUINOL/ WATER-QUINOL/ AMMONIA-ZEOLITE ..EXP

7. 26 METHYL CYANIDE-QUINOL C.H3.C.N-C6.H4.(O.H)

66-DO-06 DOWNES, WHITE+ METHANE-QUINOL/ METHYL CYANIDE-QUINOL/ METHANOL-QUINOL/ WATER-QUINOL/ AMMONIA-ZEOLITE ..EXP

7. 27 NITROGEN-GRAPHITE N-GRAPHITE

74-KJ-01 KJEMES, PASSELL+ N-GRAPHITE ..EXPERIMENT/ NEUTRON DIFFRACTION/ NITROGEN ADSORBED

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76-FA-01 FARNOUX POLYSTYRENE-CARBON DISULFIDE ..SMALL ANGLE SCATTERING
76-GH-01 GHOSH, HIGGINS POLYTETRAHYDROFURANE-CARBON DISULFIDE/ POLYSTYRENE-CARBON DISULFIDE,.SCATTERING LAW/ EXPERI

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7. 32 TETRAHYDROFURAN-CLATHRATE C4.H8.O-CLATHRATE

76-VA-02 VANDERHAEGHEN, WEGENER+ ETHYLENE OXIDE-CLATHRATE/ TETRAHYDROFURAN-CLATHRATE ..EXPERIMENT/ QUASIELASTIC SCA

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7. 34 WATER-BERYL H2.O-BE3.AL2.SI6.O18

65-BO-06 BOUTIN, PRASK+ WATER-BERYL ..EXPERIMENT/ TOF SPECTRA/ ADSORBED WATER

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66-RU-05 RUSH, LEUNG+ WATER-POTASSIUM FERROCYANIDE TRIHYDRATE ..EXPERIMENT/ MOLECULAR MOTION/ FERROELECTRIC TRANSIT

7. 36 WATER-QUINOL H2.O-C6.H4.(O.H)2

66-DO-06 DOWNES, WHITE+ METHANE-QUINOL/ METHYL CYANIDE-QUINOL/ METHANOL-QUINOL/ WATER-QUINOL/ AMMONIA-ZEOLITE ..EXP

7. 37 WATER-SILICA H2.O-SI.O2

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