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25 reference(s) found :

Keynumber: **1999SE16**
Reference: Phys.Rev. C60, 054613 (1999)
Authors: P.V.Sedyshev, P.Mohr, H.Beer, H.Oberhummer, Yu.P.Popov, W.Rochow
Title: Measurement of Neutron Capture on ^{50}Ti at Thermonuclear Energies
Keyword abstract: NUCLEAR REACTIONS ^{50}Ti(n,γ),E=25,30,52,145 keV; measured capture σ; deduced Maxwellian averaged σ,stellar reaction rates. ^{51}Ti deduced resonance width. Activation technique,enriched target,HPGe detector.

Keynumber: 1998MOZT
Reference: Proc.Intern.Symposium on Nuclear Astrophysics, Nuclei in the Cosmos V, Volos, Greece, July 6-11, 1998, N.Prantzos, S.Harissopulos, Eds., Editions Frontieres, Paris, p.192 (1998)
Authors: P.Mohr, H.Beer, H.Oberhummer, P.V.Sedyshev, Y.P.Popov, W.Rochow
Title: Neutron Capture of ^{46}Ca, ^{48}Ca, and ^{50}Ti at Stellar Energies
Keyword abstract: NUCLEAR REACTIONS ^{46}, ^{48}Ca, ^{50}Ti(n,γ),E <200 keV; measured capture σ; deduced direct capture,resonance contributions.

Keynumber: 1995NA31
Reference: J.Radioanal.Nucl.Chem. 200, 435 (1995)
Authors: S.S.Narkhede, Z.R.Turel
Title: Instrumental Neutron Activation Analysis of Al,V and Ti Employing ^{252}Cf as a Thermal Neutron Source
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{51}V, ^{50}Ti(n,γ),E=thermal; measured Eγ,Iγ; deduced rapid element determination possibility in ores,alloys. Neutron from ^{252}Cf isotopic source.

Keynumber: 1995MO40
Reference: Aust.J.Phys. 48, 125 (1995)
Authors: A.J.Morton, D.G.Sargood
Title: Thermonuclear Reactions Rates for Reactions Leading to N = 28 Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{44}, ^{46}K, ^{46}, ^{47}, ^{48}Ca, ^{45}, ^{47}, ^{48}, ^{49}, ^{50}Sc, ^{46}, ^{47}, ^{48}, ^{49}, ^{50}Ti, ^{47}, ^{48}, ^{49}, ^{50}, ^{51}V, ^{48}, ^{49}, ^{50}, ^{51}, ^{52}Cr, ^{51}, ^{52}, ^{53}Mn, ^{52}, ^{53}, ^{54}Fe, ^{55}Co(n,γ), (n,p), (n,α), (p,γ), (p,n), (p,α), (α,γ), (α,n), (α,p),E not given; ^{56}Ni(n,γ), (n,p), (n,α), (α,γ), (α,n), (α,p),E not given; ^{46}Ar, ^{45}, ^{47}K (p,γ), (p,n), (p,α), (α,γ), (α,n), (α,p),E not given; calculated stellar reaction rates vs temperature. Statistical model calculations,optical-model potential.

Keynumber: 1983SA30
Reference: Aust.J.Phys. 36, 583 (1983)
Authors: D.G.Sargood
Title: Effect of Excited States on Thermonuclear Reaction Rates
Keyword abstract: NUCLEAR REACTIONS,ICPND ^{20}, ^{21}, ^{22}Ne, ^{23}Na, ^{24}, ^{25}, ^{26}Mg, ^{27}Al, ^{28}, ^{29}, ^{30}Si, ^{31}P, ^{32}, ^{33}, ^{34}, ^{36}S, ^{35}, ^{37}Cl, ^{36}, ^{38}, ^{40}Ar, ^{39}, ^{40}, ^{41}K, ^{40}, ^{42}, ^{43}, ^{44}, ^{46}, ^{48}Ca, ^{45}Sc, ^{46}, ^{47}, ^{48}, ^{49}, ^{50}Ti, ^{50}, ^{51}V, ^{50}, ^{52}, ^{53}, ^{54}Cr, ^{55}Mn, ^{54}, ^{56}, ^{57}, ^{58}Fe, ^{59}Co, ^{58}, ^{60}, ^{61}, ^{62}, ^{64}Ni, ^{63}, ^{65}Cu, ^{64}, ^{66}, ^{67}Zn(n,γ), (n,p), (n,α), (p,γ), (p,n), (p,α), (α,γ), (α,n), (α,p), ^{70}Zn(p,γ), (p,n), (p,α), (α,γ), (α,n), (α,p),E=low; compiled target thermal distribution energy state to ground state thermonuclear reaction rate of reaction

σ vs temperature. Statistical model.

Keynumber: 1983AH01
Reference: Ann.Nucl.Energy 10, 41 (1983)
Authors: A.Ahmad
Title: Analysis and Evaluation of Thermal and Resonance Neutron Activation Data
Keyword abstract: NUCLEAR REACTIONS ^{45}Sc, ^{50}Ti, ^{50}Cr, ^{51}V, ^{55}Mn, ^{58}Fe, ^{59}Co, ^{74}Se, ^{85}Rb, ^{94}, ^{96}Zr, ^{123}Sb, ^{130}Ba, ^{133}Cs, ^{139}La, ^{140}Ce, ^{159}Tb, ^{180}Hf, ^{181}Ta, ^{197}Au(n,γ),E=thermal,epithermal; analyzed data. Generalized least-squares fit.

Keynumber: 1980PIZN
Coden: CONF Kiev(Neutron Physics) Proc,Part3,P270,Pisanko
Keyword abstract: NUCLEAR REACTIONS ^{22}, ^{23}Na,Mg, ^{24}, ^{25}, ^{26}Mg, ^{27}Al,Si, ^{28}, ^{29}, ^{30}Si, ^{31}P,S, ^{32}, ^{33}, ^{34}S,Cl, ^{35}, ^{36}, ^{37}Cl,Ar, ^{36}, ^{38}, ^{40}Ar,K, ^{39}, ^{40}, ^{41}K,Ca, ^{40}, ^{42}, ^{43}, ^{44}, ^{46}, ^{48}Ca, ^{45}, ^{46}Sc,Ti, ^{46}, ^{47}, ^{48}, ^{49}, ^{50}Ti,V, ^{50}, ^{51}V,Cr, ^{50}, ^{52}, ^{53}, ^{54}Cr,Fe, ^{54}, ^{56}, ^{57}, ^{58}Fe, ^{59}Co,Ni, ^{58}, ^{59}, ^{60}, ^{61}, ^{62}, ^{64}Ni,Cu, ^{63}, ^{65}Cu,Zn, ^{64}, ^{66}, ^{67}, ^{68}, ^{70}Zn,Ga, ^{69}, ^{71}Ga(n,γ), (n,n), (n,α),E=thermal; evaluated σ,radiative capture resonance integrals.

Keynumber: 1979THZW
Reference: Proc.Specialsts Meeting on Neutron Data Structural Materials for Fast Reactors, December 5-8, 1977, Geel, Belgium, p.675 (1979)
Authors: B.Thom, D.B.Gayther, M.C.Moxon, B.W.Thomas
Title: Capture Cross-Section Measurements on the Separated Isotopes of Titanium
Keyword abstract: NUCLEAR REACTIONS ^{46}, ^{47}, ^{49}, ^{50}Ti(n,γ),E=low; measured capture σ. ^{47}, ^{48}, ^{50}, ^{51}Ti deduced resonance parameters.

Keynumber: 1979KAZI
Coden: REPT NEANDC(J)-61/U,P94,Kayashima
Keyword abstract: NUCLEAR REACTIONS ^{46}, ^{48}Ti, ^{86}Sr, ^{110}Cd, ^{115}In, ^{122}, ^{124}Te(n,p), ^{50}Ti, ^{63}Cu, ^{89}Y, ^{128}Te(n,γ), ^{55}Mn, ^{66}Zn, ^{86}Sr, ^{89}Y, ^{116}Cd, ^{115}In, ^{120}, ^{122}, ^{124}, ^{130}Te(n,2n),E=14.6 MeV; measured σ. Activation technique.

Keynumber: 1977ALYR
Reference: AAEC/E-402 (1977)
Authors: B.J.Allen, J.W.Boldeman, A.R.de L.Musgrove, R.L.Macklin
Title: Resonance Neutron Capture in the Isotopes of Titanium
Keyword abstract: NUCLEAR REACTIONS ^{46}, ^{47}, ^{48}, ^{49}, ^{50}Ti(n,γ),E=2.75-300 keV; measured capture γ-yield. ^{47}, ^{48}, ^{49}, ^{50}, ^{51}Ti deduced resonance parameters.

Keynumber: 1976SC16
Reference: Nucl.Phys. A264, 105 (1976)
Authors: O.Schwerer, M.Winkler-Rohatsch, H.Warhanek, G.Winkler
Title: Measurement of Cross Sections for 14 MeV Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{37}Cl, ^{41}K, ^{50}Ti, ^{51}V, ^{55}Mn, ^{71}Ga, ^{87}Rb, ^{89}Y, ^{127}I, ^{130}Te, ^{138}Ba, ^{139}La, ^{142}Ce, ^{186}W, ^{198}Pt, ^{197}Au(n,γ),E=14.6 MeV; measured σ. Natural targets.

Keynumber: 1974VU01
Reference: Lett.Nuovo Cim. 10, 1 (1974)

Authors: J.Vuletin, P.Kulisic, N.Cindro
Title: Activation Cross-Sections of (n,γ) Reactions at 14 MeV
Keyword abstract: NUCLEAR REACTIONS ^{50}Ti, ^{27}Mg, ^{37}Cl, ^{55}Mn, ^{75}As, ^{127}I, ^{138}Ba, ^{141}Pr, ^{170}Er (n,γ),E=14 MeV; measured σ.

Keynumber: 1974RIZD
Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P151
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{50}Ti, ^{51}V, ^{103}Rh, ^{127}I, ^{139}La(n,γ),E=14.6 MeV; measured σ(Eγ).

Keynumber: 1974RI14
Reference: Nucl.Sci.Eng. 55, 17 (1974)
Authors: F.Rigaud, M.G.Desthuilliers, G.Y.Petit, J.L.Irigaray, G.Longo, F.Saporetti
Title: Improved Activation Measurements of (n,γ) Cross Section for 14.6-MeV Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{50}Ti, ^{51}V, ^{103}Rh, ^{127}I, ^{139}La(n,γ),E=14.6 MeV; measured σ.

Keynumber: 1972KN07
Reference: Vestsi Akad.Navuk BSSR, Ser.Fiz.-Mat.Navuk No.3, 79 (1972)
Authors: U.A.Knatsko, S.A.Nyagrei, E.A.Rudak, A.M.Khilmanovich
Title: Radiative Capture of Thermal Neutrons by Titanium Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{46}, ^{49}, ^{50}Ti(n,γ),E=thermal; measured Eγ,Iγ. ^{47}, ^{50}, ^{51}Ti deduced levels,L,J,π.

Keynumber: 1972KN03
Reference: Nucl.Phys. A194, 458 (1972)
Authors: V.A.Knatko, E.A.Rudak
Title: Phonon-Particle Doorway States in (n,γ) Reactions on Nuclei with N = 28 and N = 82
Keyword abstract: NUCLEAR REACTIONS ^{50}Ti, ^{52}Cr, ^{54}Fe, ^{138}Ba, ^{140}Ce, ^{142}Nd(n,γ),E=thermal; analyzed σ(Eγ). ^{51}Ti, ^{53}Cr, ^{55}Fe, ^{139}Ba, ^{141}Ce, ^{143}Nd calculated levels,wave functions,B(E1); analyzed phonon-particle doorway states.

Keynumber: 1972KN02
Reference: Yad.Fiz. 15, 1132 (1972); Sov.J.Nucl.Phys. 15, 626 (1972)
Authors: V.A.Knatko, E.A.Rudak
Title: Doorway States of 'Phonon + Particle' Type in (n,γ) Reactions with N = 28 and N = 82 Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{50}Ti, ^{52}Cr, ^{54}Fe, ^{138}Ba, ^{140}Ce, ^{142}Nd(n,γ),E=thermal; calculated E1 Iγ. ^{51}Ti, ^{53}Cr, ^{55}Fe, ^{139}Ba, ^{141}Ce, ^{143}Nd analyzed E1 transitions,doorway states.

Keynumber: 1971TE01
Reference: Phys.Rev. C3, 663 (1971)
Authors: J.Tenenbaum, R.Moreh, Y.Wand, G.Ben-David
Title: Study of the Level Structure of ^{50}Ti and ^{51}Ti Using the ^{49}Ti(n,γ) and ^{50}Ti(n,γ) Reactions
Keyword abstract: NUCLEAR REACTIONS ^{49}, ^{50}Ti(n,γ),E=thermal; measured Eγ,Iγ,γγ(θ); deduced Q. ^{50}, ^{51}Ti deduced levels,J,π,γ-branching.

Keynumber: 1971RYZZ
Reference: Proc.Int.Conf.Chemical Nuclear Data, Measurements and Applications, Canterbury,

England, M.L.Hurrell, Ed., Institution of Civil Engineers, London, p.139 (1971)
Authors: T.B.Ryves
Title: Thermal Neutron Capture Cross Section Measurements at the NPL
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{26}Mg, ^{27}Al, ^{30}Si, ^{37}Cl, ^{41}K, ^{50}Ti, ^{51}V, ^{58}Fe, ^{64}Ni, ^{63}, ^{65}Cu, ^{69}, ^{71}Ga, ^{75}As, ^{79}, ^{81}Br, ^{89}Y, ^{107}, ^{109}Ag, ^{115}In, ^{121}, ^{123}Sb, ^{127}I, ^{139}La, ^{151}Eu, ^{196}, ^{198}Pt (n,γ),E=thermal; measured σ.

Keynumber: 1971RYZX
Coden: CONF Canterbury(Chem Nucl Data),P139,12/10/72
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{26}Mg, ^{27}Al, ^{30}Si, ^{37}Cl, ^{41}K, ^{50}Ti, ^{51}V, ^{58}Fe, ^{64}Ni, ^{63}, ^{65}Cu, ^{69}, ^{71}Ga, ^{75}As, ^{79}Br, ^{81}Br, ^{89}Y, ^{107}, ^{109}Ag, ^{115}In, ^{121}, ^{123}Sb, ^{127}I, ^{139}La, ^{151}Eu, ^{196}, ^{198}Pt (n,γ),E=thermal; measured σ; deduced resonance integrals.

Keynumber: 1971NEZZ
Coden: CONF Moscow(NuclSpectros,Structure) Abstr P38
Keyword abstract: NUCLEAR REACTIONS ^{46}, ^{47}, ^{48}, ^{49}, ^{50}Ti(n,γ),E not given; measured Eγ,Iγ. ^{47}, ^{48}, ^{49}, ^{50}, ^{51}Ti deduced transitions.

Keynumber: 1971AR39
Reference: Phys.Scr. 4, 89 (1971)
Authors: S.E.Arnell, R.Hardell, A.Hasselgren, C.-G.Mattsson, O.Skeppstedt
Title: Thermal Neutron Capture in ^{50}Ti and ^{64}Ni
Keyword abstract: NUCLEAR REACTIONS ^{50}Ti, ^{64}Ni(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. ^{51}Ti, ^{65}Ni deduced levels. Ge(Li) pair,anti-Compton spectrometer.

Keynumber: 1970TEZX
Coden: REPT IA-1218,P29
Keyword abstract: NUCLEAR REACTIONS ^{50}Ti(n,γ),E=thermal; measured Q,Eγ,Iγ,γγ-coin,γγ(θ). ^{51}Ti deduced levels,J,π.

Keynumber: 1969DU12
Reference: J.Nucl.Energy 23, 443 (1969)
Authors: N.D.Dudey, R.R.Heinrich, A.A.Madson
Title: Fast Neutron Capture by Vanadium and Titanium
Keyword abstract: NUCLEAR REACTIONS ^{50}Ti, ^{51}V(n,γ),E=.15-1.7 MeV; measured σ(E).

Keynumber: 1967CS01
Reference: Nucl.Phys. A95, 229(1967)
Authors: J.Csikai, G.Peto, M.Buczko, Z.Miligy, N.A.Eissa
Title: Radiative Capture Cross Sections for 14.7 MeV Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{30}Si, ^{31}P, ^{45}Sc, ^{48}Ca, ^{50}Ti, ^{51}V, ^{89}Y, ^{123}Sb, ^{139}La, ^{209}Bi(n,γ), E = 14.7 MeV; measured σ. ^{23}Na, ^{55}Mn, ^{103}Rh, ^{141}Pr, ^{165}Ho, ^{208}Pb(n,γ), E = 13.4-15.0 MeV; measured σ(E). ^{103}Rh(n,γ), E = 13.4-15.0 MeV; measured σ(g)/σ(M); deduced spin cutoff parameter. Enriched ^{30}Si, ^{48}Ca targets.
