

Automatic identification of DOI for primary references by REFDOI

(N. Otsuka, 2025-01-10, Memo CP-D/1124)

I processed all primary references taken from journals in the EXFOR Master File Ver. 2024 (EXFOR-2024) by REFDOI. The tool could identify a DOI for **82%** of all primary references. Table 1 summarizes the fractions of successful and unsuccessful cases (18%). I categorized the unsuccessful cases to the following four cases:

ISSN not in CrossRef (14% of primary references in EXFOR-2024)

The publishers do not deposit information of the article to CrossRef. For example, only issues published in 2013 or later are registered in CrossRef for **YF**.

Non-integer volume (1% of primary references in EXFOR-2024)

This is mainly due to absence of any volume number and typical for journals from former USSR countries.

Example: J, YK, , (3-4) , 41, 1994 in EXFOR 32234

Such journals are anyway not registered in CrossRef. (i.e., ISSN not in Dict. 44).

Paper # exists (1% of primary references in EXFOR-2024)

This is mainly for **BAP**, which usually compiles abstracts of several theses in one page. A similar case is collection of abstracts from an AIP meeting in **PR**.

Example: J, PR, 77, 748 (H11) , 5003 in EXFOR 11035

Other reasons (1% of primary references in EXFOR-2024)

This is typically for **PR** articles coded without a paper number required (i.e., two regular articles start on the same page). This is a compilation mistake, and the paper number must be added to the reference code.

Example: J, PR, 81, 139, 51 in EXFOR 11041. **139 must be 139(1).**

Table 1 shows that the low probability to find DOI in area 3, 4, A, F, G, M and S are mainly due to absence of ISSNs of their main journals in Dictionary 44. (i.e., the publishers do not deposit their bibliographies to CrossRef.). See Memo CP-D/1120 about this dictionary.

Table 2 summaries typical journals for which the tool could not find a DOI. As expected, journals not in CrossRef are typically published in other than English (e.g., Russian, Chinese), and journals without integer volumes (e.g., no volume numbering) are typically from former USSR countries.

The cases belonging to the last category (Other reasons) could be due to a compilation mistake, and I looked into all 254 cases to understand the actual reasons. Mismatch of the issue numbers coded in EXFOR and registered in CrossRef is a major factor to disturb DOI identification. In many cases, we can avoid this trouble by omitting the issue number in the reference code, and **I would recommend again omission of the issue number in a journal reference code when it is not required to identify the article.**

Table 1. Fractions of the journal references which DOIs are found and not found in CrossRef.

Area	Total (articles)	DOI found (%)	DOI not found			
			ISSN not in CrossRef (%)	Non- integer volume (%)	Paper # exists (%)	Other reasons (%)
1	3500	89	3		7	1
2	2577	88	9			2
3	1801	69	29			1
4	1090	24	70	6		
A	1151	71	24	1	1	2
B	176	98	2			1
C	2751	97	1		1	1
D	2164	88	9	1		1
E	1301	97	1			2
F	1416	66	32	1		1
G	256	69	23	8		
J	23	100				
K	89	97	2			1
L	258	95	3		2	
M	993	60	38	1		1
O	2321	94	6			
P	144	94	5			1
R	52	98				2
S	201	56	44			
T	277	98	1		1	
V	13	85	15			
Total	22554	82	14	1	1	1

Table. Typical journals which DOIs are not found in CrossRef

		ISSN not in CrossRef (%)		Non-integer volume (%)		Paper # exists (%)		Other reasons (%)
1	YF	17	YK	37	BAP	63	PR	20
2	IZV	11	VAT/I	18	PR	29	NP	9
3	AE	9	IZK	11	NAT	1	NP/A	8
4	ZET	6	KSF	5	PR/C	1	RCA	7
5	SNP	5	AE/S	5	JNE	1	PR/C	5
6	CNP	5	VAT/O	3	ACR	1	NC/A	4
7	BAS	3	VAT/Y	3	ACR/A	0	ADP	4
8	PHE	3	KSO	3	JAP	0	YF	4
9	JET	2	ZNJD	3	JNE/A	0	EPJ/A	4
10	UFZ	2	IZU	2	SJA	0	JPR/C	3

Appendix: Details of the other cases (254 reference codes).

FB means the item is registered in the Feedback List for corrections by the originating centre.

Subent#	REFERENCE	FB	Comment to centres	Comment not to centres	Action taken by me
11041.001	J,PR,81,139,51	x	Add paper# (1).		
11057.001	J,PR,88,686,5211	x	Add paper# (1).		
11156.001	J,CJR/A,25,73,194703			volume#=25a in CrossRef	
11157.001	J,CJR/A,25,134,47			volume#=25a in CrossRef	
11158.001	J,CJR/A,25,261,1947			volume#=25a in CrossRef	
11247.001	J,PR,71,269,47	x	Add paper# (1).		
11437.001	J,CJR/A,25,77,47			volume#=25a in CrossRef	
11473.001	J,PR,83,479,51	x	Add paper# (1).		
11577.001	J,PR,90,1121,5306	x	Add paper# (1).		
11582.001	J,PR,76,308,4907	x	Add paper# (1).		
11649.001	J,PR,89,1307,5303	x	Add paper# (1).		
11744.001	J,PR,83,1059,51	x	Add paper# (1).		
11756.001	J,PR,70,557,4610	x	Add paper# (1).		
11803.001	J,PR,100,429,55	x	Add paper# (2).		
11860.001	J,PR,99,330,5507	x	Add paper# (1).		
12067.001	J,PR,76,300,4907	x	Add paper# (1).		
12201.001	J,PR,82,276,51	x	Add paper# (1).		
12205.001	J,PR,92,835,195311	x	Add paper# (2).		
12238.001	J,PR,90,1121,5306	x	Add paper# (2).		
12284.001	J,HP,13,654,6706			Landing page absent (i.e., no DOI)	
12301.001	J,NSE,1,1,5603			Another content (Preface is also with page#=1 (wrong) in CrossRef	
12387.001	J,PR,89,320,5301	x	Add paper# (1).		
12492.001	J,PR,72,88,4707	x	Add paper# (1).		
12538.001	J,PR,93,1433,5403	x	Add paper# (1).		
12583.001	J,PR,85,135,1952	x	Add paper# (2).		

12584.001	J,PR,94,735,54	x	Add paper# (1).		
12626.001	J,PR,72,986,4711	x	Add paper# (2).		
12648.001	J,PR,57,936,4005	x	Add paper# (2).		
12650.001	J,PR,50,490,36	x	Add paper# (2).		
12652.001	J,PR,55,106,1939	x	Add paper# (2).		
12894.001	J,JNM,122-123,1071,198405			vol=#123 (wrong) in CrossRef	Informed to Science Direct
13022.001	J,NP,9,273,1959	?		year=#1958 in CrossRef, 1958-1959 in a hard copy	
13028.001	J,PR,89,1306,5303	x	Add paper# (1).		
13053.001	J,CJR/B,25,364,1947			volume#=25b in CrossRef	
13055.001	J,CJR/B,27,757,49			volume#=27b in CrossRef	
13081.001	J,PR,137,(4),B837,1965		Delete issue#.	issue#=4B in CrossRef	
13457.001	J,PR,76,1717,4912	x	Add paper# (2).		
13565.001	J,PR,80,908,195012	x	Add paper# (1).		
13571.001	J,PR,89,877,5302	x	Add paper# (1).		
13573.001	J,PR,77,840,5003	x	Add paper# (1).		
13574.001	J,PR,82,558,5105	x	Add paper# (1).		
13580.001	J,JAP,30,1323,195909			Another content (Editorial) is also with page#=1 in CrossRef	
13791.001	J,PR,77,291,195001	x	Add paper# (2).		
13803.001	J,PR/C,63,014004,200101			year=2000 in CrossRef	
13957.001	J,PR/C,63,014606,2001			year=2000 in CrossRef	
14275.001	J,PR,73,262,1948	x	Add paper# (2).		
14300.001	J,NT,25,305,1974	x	year=1974 -> 1975		
14628.001	J,CJR/B,25,371,1947			volume#=25b in CrossRef	
14780.001	J,PR,87,(Q3),215,1952	x	87,(Q3),215 -> 87,215(Q3)		
20154.001	J,NP/A,159,49,1970			Two DOIs exist (10.1016/0375-9474(70)90027-8 and 10.1016/0375-9474(70)90660-3)	
20205.001	J,NP,9,569,5901	?		year=#1958 in CrossRef, 1958-1959 in a hard copy	
20260.001	J,ZN/A,26,1928,7211	x	year=7211 -> 1971		
20293.001	J,JPI,22,368,6102	x	year=6102 -> 1967		

20305.001	J,NP/A,160,161,197001	x	year=197001 -> 1971		
20312.001	J,NST,6,485,6909			Another content (Introducing the ...) is also with page#=485 (wrong) in CrossRef	Informed to NST office
20319.001	J,PR,80,469,5011	x	Add paper# (1).		
20320.001	J,PR,80,750,5011	x	Add paper# (1).		
20420.001	J,NST,12,1,7501			Table of contents is also with page#=1 in CrossRef	Informed to NST office
20481.001	J,JPR/C,31,C2-217,1970			first author="Adam" is additionally required to find the DOI in CrossRef	
20714.001	J,NP/A,267,(1),157,1976		Delete issue#.	issue# is absent in CrossRef	
20923.001	J,JPR/C,27,C1-88,196601			first author="Huck" is additionally required to find the DOI in CrossRef	
20932.001	J,ADP,15,287,6506			volume#=470 in CrossRef	
21079.001	J,JPR/C,27,C1-102,196601			first author="Chambon" is additionally required to find the DOI in CrossRef	
21091.001	J,ADP,7,50,6101			volume#=462 in CrossRef	
21116.001	J,NP,1,420,1956			Two DOI exist (10.1016/S0029-5582(56)80058-8 and 10.1016/0029-5582(56)90104-3)	Informed to CrossRef
21166.001	J,NP/A,111,255,6804			Two DOI exist (10.1016/0375-9474(68)90121-8 and 10.1016/S0375-9474(68)91200-1)	Informed to CrossRef
21168.001	J,NC,8,383,5103			year=2008 (wrong) in CrossRef	Informed to CrossRef
21207.001	J,JNE/A,11,34,195911	x	Add paper# (1).		
21256.001	J,NSE,27,85,6601	x	year=6601 -> 1967		
21311.001	J,NP/A,318,1,54,7904	x	Delete issue# (format error)		
21380.001	J,PR,77,286,195001	x	Add paper# (2).		
21381.001	J,PR,82,969,195106	x	Add paper# (1).		
21384.001	J,PR,90,1125,53	x	Add paper# (1).		
21414.001	J,JPR,12,6S,195101		?		
21415.001	J,JPR,13,171,5203	x	Add paper# (1).		
21511.001	J,PR,75,1276,4903	x	Add paper# (1).		
21580.001	J,NP/A,329,1,141,791008	x	Delete issue# (format error)		
21596.001	J,RCA,23,170,77	x	year=77 -> 1976 (typo in the article copy)		
21610.001	J,ZK,149,337,79			Two DOI exist (10.1524/zkri.1979.149.14.337 and 10.1524/zkri.1979.149.3-4.337)	Informed to CrossRef
21716.001	J,JIN,35,389,72	x	year=72->1973		

21718.001	J,RCA,19,(3),102,72	x	year=72->1973		
21772.001	J,NST,19,341,1982			Another content (Categories of ...) is also with page#=341 (wrong) in CrossRef	Informed to NST office
21806.001	J,NP/A,393,(1),1,198301			Issue#=1-2 in CrossRef	
21855.001	J,NSE,83,229,8202	x	year=8202->1983		
21867.001	J,AEJ,23,(1),62,80	x	year=80 -> 1981		
21888.001	J,NC/A,70,(4),402,8208		Delete issue#.	issue#=3 (wrong) in CrossRef	Informed to Springer Nature
21940.001	J,ADP,39,(6),408,82			volume#=494 in CrossRef	
22012.001	J,ADP,42,(3),283,1985			volume#=497 in CrossRef	
22190.001	J,NP/A,512,189,9006			Two DOI exist (10.1016/S0375-9474(05)80001-6 and 10.1016/0375-9474(90)93112-J)	Informed to CrossRef
22466.001	J,RCA,86,(1),1,1999	x	Delete incorrect issue#.	Issue#=1-2 in CrossRef	
22642.001	J,NST,37,821,2000			Interference with J,NSTS,1,821,2000 (registered as J,NST,37,(s1),821,2000 in CrossRef.)	
22649.001	J,NST,37,827,2000			Interference with J,NSTS,1,827,2000 (registered as J,NST,37,(s1),827,2000 in CrossRef.)	
22656.001	J,PR/C,65,014604,2002			year=2001 in CrossRef	
22661.001	J,ANE,29,(10),2019,200210	x	Delete incorrect issue#.	Issue#=17 in CrossRef	
23079.001	J,KPS,50,(5),1494,2007		Delete issue#.	Issue#=95 in CrossRef	
23080.001	J,KPS,50,(5),1592,200705		Delete issue#.	Issue#=95 in CrossRef	
23156.001	J,KPS,59,(2),1876,201108		Delete issue#.	Issue#=2(3) in CrossRef	
23171.001	J,KPS,59,(2),1378,2011		Delete issue#.	Issue#=2(3) in CrossRef	
23470.001	J,RCA,107,33,2019			year=2018 in CrossRef	
23598.001	J,EPJ/A,7,189,2000			Two DOI exist (10.1007/s100500050380 and 10.1007/PL00013598)	Informed to CrossRef
30007.002	J,NC/A,3,(3),467,197106		Delete issue#.	Issue#=4 (wrong) in CrossRef	Informed to Springer Nature
30007.003	J,NC/A,3,(3),467,197106		Delete issue#.	Issue#=4 (wrong) in CrossRef	Informed to Springer Nature
30007.004	J,NC/A,3,(3),467,197106		Delete issue#.	Issue#=4 (wrong) in CrossRef	Informed to Springer Nature
30007.005	J,NC/A,3,(3),467,197106		Delete issue#.	Issue#=4 (wrong) in CrossRef	Informed to Springer Nature
30007.006	J,NC/A,3,(3),467,197106		Delete issue#.	Issue#=4 (wrong) in CrossRef	Informed to Springer Nature
30007.007	J,NC/A,3,(3),467,197106		Delete issue#.	Issue#=4 (wrong) in CrossRef	Informed to Springer Nature
30007.008	J,NC/A,3,(3),467,197106		Delete issue#.	Issue#=4 (wrong) in CrossRef	Informed to Springer Nature

30007.009	J,NC/A,3,(3),467,197106	Delete issue#.	Issue#=4 (wrong) in CrossRef	Informed to Springer Nature
30162.001	J,ADP,16,354,196507		volume#=471 in CrossRef	
30197.001	J,NP/A,106,401,196801		year=1967 (wrong) in CrossRef	Informed to Science Direct
30458.001	J,RCA,23,(3),127,1976	x Delete incorrect issue#.	Issue#=3-4 in CrossRef	
30705.001	J,ADP,43,602,1986		volume#=498 in CrossRef	
31003.001	J,ADP,12,225,1963		volume#=467 in CrossRef	
31276.001	J,PIA,27,216,1961			
31475.001	J,AUJ,24,671,1971		Landing page absent (i.e., no DOI)	
31660.001	J,RCA,97,63,2009		page# absent in CrossRef	informed to CrossRef
31754.001	J,ADP,7,413,1963		volume#=466 in CrossRef	
31771.001	J,ANE,100,(2),42,2017		Vol. 100 has part 1 and 2, and both parts start from page 1.	
31777.001	J,ZP/A,354,401,1996		Two DOIs exist (10.1007/s002180050062 and 10.1007/BF02769543)	Informed to CrossRef
32680.001	J,RCA,98,127,2010		page# absent in CrossRef	informed to CrossRef
33091.001	J,JRN,303,2497,2015		volume# and page# are abesnt in CrossRef	Informed to CrossRef
33141.001	J,IPA,58,218,2020		volume# and page# are abesnt in CrossRef	
33142.001	J,IPA,58,228,2020		volume# and page# are abesnt in CrossRef	
33143.001	J,IPA,58,241,2020		volume# and page# are abesnt in CrossRef	
33164.001	J,IPA,58,351,2020		volume# and page# are abesnt in CrossRef	
41564.001	J,YF,76,(11),1398,2013	x page#=1398 -> 1479		
A0148.001	J,RCA,32,173,1983		Another content (Instruction to ...) is also with page#=173 (wrong) in CrossRef	
A0245.001	J,EPJ/A,7,303,2000		Two DOI exist (10.1007/s100500050396 and 10.1007/PL00013599).	Informed to CrossRef
A0263.001	J,PR/C,63,011302,2001		year=2000 in CrossRef	
A0438.001	J,EPJ/A,7,397,2000		Two DOI exist (10.1007/s100500050408 and 10.1007/PL00013623)	Informed to CrossRef
A0640.001	J,ZP/A,355,209,1996		Two DOIs exist (10.1007/BF02769686 and 10.1007/s002180050100)	Informed to CrossRef
A1007.001	J,ND/A,11,569,1973		Registered with ISSN=0092640X (wrong) in CrossRef	
A1203.001	J,NP,21,(2),189,196011	Delete issue#.	issue# is absent in CrossRef	
A1269.001	J,NP,50,(4),629,196401	Delete issue#.	issue# is absent in CrossRef	
A1282.001	J,NP,39,(4),541,6212	Delete issue#.	issue# is absent in CrossRef	

A1294.001	J,NP,58,(1),32,1964		Delete issue#.	issue# is absent in CrossRef	
A1298.001	J,NP,50,(4),621,196401		Delete issue#.	issue# is absent in CrossRef	
A1356.001	J,NP,42,(4),608,196304		Delete issue#.	issue# is absent in CrossRef	
A1385.001	J,NP,53,(3),465,196404		Delete issue#.	issue# is absent in CrossRef	
A1386.001	J,PR,82,(1),100,195104	x	Add paper# (2).		
A1388.001	J,NP,10,(1),33,195902		Delete issue#.	issue# is absent in CrossRef	
A1389.001	J,NP,21,(1),1,196011		Delete issue#.	issue# is absent in CrossRef	
A1391.001	J,NP,44,(4),664,196307		Delete issue#.	issue# is absent in CrossRef	
A1392.001	J,NP,45,(4),586,196308		Delete issue#.	issue# is absent in CrossRef	
A1430.001	J,NP,15,(3),411,6003		Delete issue#.	issue# is absent in CrossRef	
A1440.001	J,NP,48,(2),299,196310		Delete issue#.	issue# is absent in CrossRef	
A1444.001	J,NP,5,(1),148,195801		Delete issue#.	issue# is absent in CrossRef	
A1473.001	J,NP,44,(2),205,196306		Delete issue#.	issue# is absent in CrossRef	
A1485.001	J,NP,46,(3),336,196307		Delete issue#.	issue# is absent in CrossRef	
A1518.001	J,NP,48,(1),90,196309		Delete issue#.	issue# is absent in CrossRef	
A1520.001	J,NP,53,(3),375,196404		Delete issue#.	issue# is absent in CrossRef	
A1523.001	J,NP,15,(3),464,196003		Delete issue#.	issue# is absent in CrossRef	
A1616.001	J,JPJ,51,(5),3093,8210	x	Delete incorrect issue#.	issue#=10 in CrossRef	
B0106.001	J,JPR,23,1000,1962	x	Add paper# (2).		
C0195.001	J,JRC,71,509,1982			Landing page absent (i.e., no DOI)	
C0285.001	J,PR,84,845,51	x	Add paper# (2).		
C0619.001	J,PR/C,61,015802,200001			year=1999 in CrossRef	
C0696.001	J,NP/A,106,323,1968			year=1967 (wrong) in CrossRef	Informed to Science Direct
C0792.001	J,PR/C,63,014603,200101			year=2000 in CrossRef	
C0800.001	J,PR/C,63,024601,200102			year=2000 in CrossRef	
C0945.001	J,PR,98,1197,1955	x	Add paper# (X1).		
C1015.001	J,PR,133,(3),B647,1964		Delete issue#.	issue#=3B in CrossRef	
C1150.001	J,PR/C,63,014604,2001			year=2000 in CrossRef	
C1221.001	J,PR,133,(2),B323,1964		Delete issue#.	issue#=2B in CrossRef	

C1253.001	J,PR/C,65,015801,2002		year=2001 in CrossRef	
C1322.001	J,NP/A,512,317,1990		Two DOIs exist (10.1016/0375-9474(90)93352-7 and 10.1016/S0375-9474(05)80007-7)	Informed to CrossRef
C1436.001	J,EPJ/A,13,117,2002		Two DOIs exist (10.1007/s10050-002-8729-x and 10.1140/epja1339-22)	Informed to CrossRef
C2274.001	J,JLCR,60,S324,2017		Landing page absent (i.e., no DOI)	
C2608.001	J,PR,85,934,1952	x	Add paper# (2).	
D0086.001	J,APH,9,297,1964		first author="Amsel" is additionally required to find the DOI in CrossRef	
D0091.001	J,JPR/C,31,C2-205,1970		first author="Morand" is additionally required to find the DOI in CrossRef	
D0205.001	J,EPJ/A,14,53,2002		Two DOIs exist (10.1007/s10050-002-8789-y and 10.1140/epja/iepja1269)	Informed to CrossRef
D0351.001	J,NP/A,512,333,1990		Two DOIs exist (10.1016/S0375-9474(05)80008-9 and 10.1016/0375-9474(90)93392-J)	Informed to CrossRef
D0491.001	J,NC/A,112,1439,1999		Issue 12 articles not registered in CrossRef	
D0503.001	J,RCA,97,71,2009		page# absent in CrossRef	informed to CrossRef
D0555.001	J,RCA,97,79,2009		page# absent in CrossRef	informed to CrossRef
D0556.001	J,RCA,97,113,2009		page# absent in CrossRef	informed to CrossRef
D0568.001	J,RCA,97,535,2009		page# absent in CrossRef	informed to CrossRef
D0573.001	J,PR,136,(4),B994,1964		Delete issue#.	issue#=4B in CrossRef
D0584.001	J,RCA,97,467,2009		page# absent in CrossRef	informed to CrossRef
D0593.001	J,RCA,98,187,2010		page# absent in CrossRef	informed to CrossRef
D0684.001	J,AUJ,36,1,1983		Another content (Table of contents) is also with page#=1 in CrossRef.	
D0906.001	J,JP/CS,940,012034,2017	x	year=2017 -> 2018	Typo in the original print, which is now fixed by the publisher
D1018.001	J,ADP,21,1,1968		volume#=476 in CrossRef	
D4010.001	J,JLCR,30,98,1991		Landing page absent (i.e., no DOI)	
D4038.001	J,RCA,65,1,1994		Landing page absent (i.e., no DOI)	
D4072.001	J,JLCR,32,(S1),478,1993		Landing page absent (i.e., no DOI)	
D4099.001	J,JLCR,44,S1055,2001		page# absent in CrossRef	
D4145.001	J,JLCR,46,S267,2003		Landing page absent (i.e., no DOI)	
D4407.001	J,RCA,108,1,2020		year=2019 in CrossRef	
D6060.001	J,RCA,65,9,1994		Landing page absent (i.e., no DOI)	
D6299.001	J,IPA,58,386,2020		volume# and page# are absent in CrossRef	

D6300.001	J,IPA,57,570,2019			Landing page absent (i.e., no DOI)	
D6407.001	J,IPA,59,103,2021			volume# and page# are absent in CrossRef	
D8053.001	J,APP/B,53,9-A5,2022			page#=1 in CrossRef (5 different articles are registered with Vol.53 Issue 9 page 1)	
D8100.001	J,APP/BS,16,2-A4,2023			page#=1 in CrossRef (15 different articles are registered with Vol.16 Issue 2 page 1)	
E0932.001	J,JPR/C,45,(C4),C4-453,198403			first author="Fujiwara" is additionally required to find the DOI in CrossRef	
E1144.001	J,NP/A,448,205,1985	x		year=1985 -> 1986 (typo in article)	
E1351.001	J,JPR/C,51,(C6),C6-423,199011			first author="Takamatsu" is additionally required to find the DOI in CrossRef	
E1379.001	J,NP/A,448,205,1985	x		year=1985 -> 1986 (typo in article)	
E1418.001	J,NP/A,267,276,1976			Two DOIs exist (10.1016/0375-9474(76)90718-1 and 10.1016/0375-9474(76)90660-6)	Informed to CrossRef
E1722.001	J,PR/C,61,(2),024602,200002			year=1999 in CrossRef	
E1725.001	J,EPJ/A,7,(3),367,200003			Two DOIs exist (10.1007/s100500050404 and 10.1007/PL00013619)	Informed to CrossRef
E1730.001	J,EPJ/A,7,(4),491,200004			Two DOIs exist (10.1007/s100500050422 and 10.1007/PL00013650)	Informed to CrossRef
E1770.001	J,PR/C,65,(1),014609,200201			year=2001 in CrossRef	
E1859.001	J,NP,7,(2),116,195806		Delete issue#.	issue# is absent in CrossRef	
E1874.001	J,NP,41,(2),275,196303		Delete issue#.	issue# is absent in CrossRef	
E1901.001	J,NP/A,739,(1),3,200407	x	Delete incorrect issue#.	Issue#=1-2 in CrossRef	
E2077.001	J,MPL/A,18,(2-6),322,200302		Delete issue#.	Issue#=02n06 in CrossRef	
E2096.001	J,PL/B,660,(01),320,200801	x	Delete incorrect issue#.	Issue#=4 in CrossRef	
E2102.001	J,RCA,96,(2),67,200802			first author="Uddin" is additionally required to find the DOI in CrossRef	
E2339.001	J,KPS,59,(2),1805,201108		Delete issue#.	Issue#=2(3) in CrossRef	
E2340.001	J,KPS,59,(2),2035,201108		Delete issue#.	Issue#=2(3) in CrossRef	
E2366.001	J,KPS,59,(2),1676,201108		Delete issue#.	Issue#=2(3) in CrossRef	
E2518.001	J,PTEP,2017,021D01,2017			page# absent in CrossRef	Informed to PTEP office
E2539.001	J,PTEP,2017,093D03,2017			page# absent in CrossRef	Informed to PTEP office
E2580.001	J,PTEP,2018,(5),053D01,2018			page# absent in CrossRef	Informed to PTEP office
E2588.001	J,PTEP,2018,021D01,2018			page# absent in CrossRef	Informed to PTEP office
E2595.001	J,PTEP,2019,013D02,2019			page# absent in CrossRef	Informed to PTEP office

F0181.001	J,ADP,32,255,1975		volume#=487 in CrossRef	
F0317.001	J,ADP,31,76,1974		volume#=486 in CrossRef	
F0391.001	J,APH,5,409,1960		first author="Croissiaux" is additionally required to find the DOI in CrossRef	
F0678.001	J,JPR/C,35,C5-8,1974		first author="Labie" is additionally required to find the DOI in CrossRef	
F0770.001	J,EPJ/A,13,123,2002		Two DOIs exist (10.1007/s10050-002-8730-4 and 10.1140/epja1339-23)	Informed to CrossRef
F1179.001	J,PR,133,(2),B350,1964	Delete issue#.	issue#=2B in CrossRef	
F1198.001	J,NP/A,106,455,1968		year=1967 (wrong) in CrossRef	
F1243.001	J,JPR/C,32,C6-163,1971		first author="Chuev" is additionally required to find the DOI in CrossRef	
F1283.001	J,YF,80,175,2017		DOI does not exist?	
F1322.001	J,IZV,81,717,2017		volume# absent in CrossRef	
F1326.001	J,YF,80,(4),338,2017		DOI does not exist?	
F1330.001	J,YF,80,(5),525,2017		DOI does not exist?	
F1347.001	J,YF,80,594,2017		DOI does not exist?	
F1368.001	J,YF,81,174,2018		volume# absent in CrossRef	
K2003.001	J,PR/C,63,018801,2001		year=2000 in CrossRef	
M0322.001	J,PR,133,(3),B660,1964	Delete issue#.	issue#=3B in CrossRef	
M0548.001	J,ZP/A,355,169,1996		Two DOIs exist (10.1007/s002180050095 and 10.1007/BF02769681)	Informed to CrossRef
M0905.001	J,YF,78,(3-4),246,2015	Delete issue#.	issue#=03 in CrossRef	
M0909.001	J,JRN,303,(3),1857,2015		volume# and page# are absent in CrossRef	Informed to CrossRef
M0910.001	J,YF,78,(1),1,2015	x page#=1 ->3		
M0931.001	J,IZV,81,738,2017		volume# absent in CrossRef	
M0938.001	J,IZV,81,744,2017		volume# absent in CrossRef	
M0939.001	J,YF,80,189,2017		DOI does not exist?	
M0941.001	J,YF,80,423,2017		DOI does not exist?	
M0970.001	J,IZV,82,693,2018		volume# absent in CrossRef	
O0914.001	J,ZP/A,344,345,1993		year=1992 (wrong) in CrossRef	Informed to Springer Nature
O1012.001	J,ZP/A,355,191,1996		Two DOIs exist (10.1007/BF02769684 and 10.1007/s002180050098)	Informed to CrossRef
O1115.001	J,NC/A,110,693,1997		Issue 7 articles not registered in CrossRef	
O1369.001	J,JLCR,44,S809,2001		page# absent in CrossRef	

O1384.001	J,JALC,271,296,1998	x	volume#=271 -> 271-273		
O1405.001	J,EPJ/A,13,123,2002			Two DOIs exist (10.1007/s10050-002-8730-4 and 10.1140/epja1339-23)	Informed to CrossRef
O2007.001	J,JPR,23,1,1962			Interference with J,JPR/A,23,1,1962 (registered as J,JPR,37,(S3),1,1962 in CrossRef.)	
P0024.001	J,NP/A,106,323,1968			year=1967 (wrong) in CrossRef	Informed to Science Direct
R0047.001	J,PR,133,(5),B1165,196403	Delete issue#.		issue#=5B in CrossRef	
T0074.001	J,NP/A,442,686,1985			Two DOIs exist (10.1016/0375-9474(85)90372-0 and 10.1016/S0375-9474(85)80036-1)	Informed to CrossRef