

**Report for Publisher: National Academy of Sciences of Ukraine (Co. LTD Ukrinformnauka) (Publications)**  
**Resolutions for last 12 months.**

New to this report? Start here: [learn what a resolution is and how it works](#)

**Your failed resolutions report for the month**

This section of the report provides a list of DOI resolution attempts that failed (i.e. resolved to a Handle error page). This list is presented as a .csv file attached to the report email and contains both the failed DOI and number of failures.

Your failed DOI resolutions for this month can be viewed in [csv format](#).

Prior to June 2020, we removed resolutions made by known machines (or, bots) using a monthly filtration process. Starting with the June 2020 resolution reports, we have removed all filters for this report and are presenting you with all monthly resolutions. No filters. On average, monthly resolution numbers, across all Crossref members, will therefore increase by about 25%. You can learn more about this change from [our blog](#).

**Resolutions by month**

This section of the report provides the total number of resolutions per month for the past 12 months, by prefix (count) and overall (all members).

Mont	2021-12	2021-11	2021-10	2021-09	2021-08	2021-07	2021-06	2021-05	2021-04	2021-03	2021-02	2021-01	2020-12
Resolutions Attempts	180,283	93,014	66,719	102,097	111,649	57,748	83,171	75,423	42,367	57,459	42,120	48,641	60,612
Resolutions Successful	177,037	91,068	64,932	100,406	110,477	56,579	82,047	74,238	40,913	53,987	40,484	47,237	59,393

Total Attempts for all members	1071,814,982	978,140,962	982,942,544	852,735,928	925,189,783	742,711,147	815,293,039	765,054,777	666,234,323	677,750,263	579,669,081	628,925,714	605,150,293
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**This month's popular DOIs**

Below are the top 10 successfully resolved DOIs for this month. This list represents the most popular DOIs, as measured by the number of times each DOI was successfully resolved.

Top 10 DOIs	Successful Resolutions to DOI
<a href="#">10.15407/CRYO25.02.169</a>	1825
<a href="#">10.15407/ALG27.04.361</a>	299
<a href="#">10.15407/SPQEO</a>	181

<a href="#">10.2478/VZOO-2018-0028</a>	156
<a href="#">10.15407/FZ</a>	139
<a href="#">10.15407/SCIN12.06.006</a>	128
<a href="#">10.15407/HFTP12.04.358</a>	116
<a href="#">10.15407/INGEDU2021.54.136</a>	110
<a href="#">10.15407/SCINE17.04.072</a>	105
<a href="#">10.15407/AKADEMPERIODYKA.444.210</a>	105

### Resolutions by the numbers

This section of the report provides the resolution counts for the report prefix.

Resolutions attempts	180,283
Resolved at Handle	177,037
Handle Failures	3,246
Resolved at local link server	0
Unique DOIs attempted	33,601
Unique DOIs resolved at handle	32,528
Unique DOIs that failed at handle	1,073
Unique DOIs resolved at local link server	0

### Key terms defined from this section

**Resolution attempts** is the same as total "resolutions" above.

**Resolved at handle** is the number of resolutions that successfully looked up at [doi.org](http://doi.org).

**Handle failures** is the number of resolutions that failed to look up at [doi.org](http://doi.org), either due to a technical problem or because the DOIs did not exist.

**Resolved at local link server** counts resolutions that were looked up at local link servers.

### Successful resolution counts by publication title

The number of total DOI resolutions per title.

Publication Title	Total Resolutions	Unique DOIs
"Know yourself". Neoplatonic sources in the works of H.S. Skovoroda	3	1
A PERSON IN INFORMATION SOCIETY: CHALLENGES TODAY.	4	1
About Chemists	1	1
Acoustic monitoring of jet grinding	8	1
Agricultural Science and Practice	1,304	221
Agriculture of the Khazar Khaganate in a Forest-Steppe Zone	1	1
Algebra-Algorithmic Models and Methods of Parallel Programing	4	1
Algologia	2,057	295
Analytic Methods of Spectral Representations of Non-Selfadjoint (Non-Unitary) Operators	2	1
Apatites and tetraoxide compounds	7	1
Archaeology	1,706	261
Arithmetic of matrices over rings	12	1
Artificial Intelligence	286	69
Astronomy. Self-teacher	4	1
Bibliotechnyi visnyk	598	121

Biblioteki nacional'nyh akademij nauk	159	45
Biogeomics. Ecosystems of the world in the structure of the biosphere	1	1
Biotechnologia Acta	3,352	529
Black Sea Shores of Ukraine	2	1
BOOK AND PERIODICALS IN DISSERTATION RESEARCHES OF INDEPENDENT UKRAINE : SOCIO COMMUNICATIVE ASPECT.	5	1
Botanical Notebooks or Twelve Trips to the Plant World	5	1
Botany and Mycology: Modern Horizons. Collection of papers devoted to the 95th anniversary of Academician of Academy of Sciences of Ukraine A.M. Grodzinsky (1926–1988)	22	1
Casting Processes	328	67
Catalysis and petrochemistry	223	43
Chemists are Joking...	1	1
Chinese Studies	475	63
Coastal Zone Resources Management	4	1
Collected scientific papers Institute of environmental geochemistry	55	20
Comprehending the Past: Soviet Visions, Post-Soviet Revisions and Modern Concepts in "Ukrainian Historical Journal" (1957—2017)	1	1
Contactless de-orbiting of space debris by the ion beam. Dynamics and Control	3	1
Control of fuel combustion in small and medium power boilers	6	1
Control Systems and Computers	707	107
Creator of theoretical and mathematical physics: to the 110 th anniversary of Academician M.M. Bogolyubov	2	1
CYRILLIC HANDWRITTEN BOOK OF XVI CENTURY IN FONDS OF INSTITUTE OF MANUSCRIPTS OF VI VERNADSKYI NATIONAL LIBRARY OF UKRAINE: HISTORICAL-CODICOLOGY RESEARCH. ALBUM OF FILIGREE.	4	1
Dark energy: observational evidence and theoretical models (volume 1, in three volumes «Dark energy and dark matter in the Universe»)	4	1
Dark matter: Astrophysical aspects of the problem (volume 2, in three volumes «Dark energy and dark matter in the Universe»)	1	1
Dark matter: Observational manifestation and experimental searches (volume 3, in three volumes «Dark energy and dark matter in the Universe»)	3	1
Demography and social economy	2,585	516
DEVELOPMENT OF INFORMATIONAL CULTURE AS A MEANS FOR UNITING UKRAINIAN SOCIETY	5	1
Diamond Abrasive Treatment: How to Overcome Established Myths	6	1
DIGITAL LIBRARY PROJECTS: TECHNOLOGICAL SOLUTIONS AND MANAGING THE CIRCLE OF LIFE OF COLLECTION.	4	1

Digitalization of the economy: how to improve the country's competitiveness	78	1
Digitalization of Ukrainian economy: transformational potential	13	1
Dislocation mechanisms and strengthening methods in metal crystals	3	1
Dopants and Impurities in High-Tc Superconductors	3	1
Earth Systems Change over Eastern Europe	3	1
Economics and Law	2,888	473
Economy and forecasting	446	78
Economy of Industry	1,143	198
Economy of Ukraine	1,890	299
Effects of Atomic Ordering of Interstitial Hydrogen on the Physical Properties of Host Metals	10	1
Eight Non-Classical Problems of Fracture Mechanics	5	1
Ekonomika i prognozuvannâ	1,406	254
Ekonomična teoriâ	726	158
Energy, Charge and Electron Transfer Processes in Chemistry	3	1
Energy-saving heat technologies for obtaining soy based plant powders	4	1
Essays on Neurophysiology by Platon Kostyuk and His Students	2	1
European Union Intellectual Property Law: Formation, Institutes, Directions of Development	7	1
Expanded Graphite and Its Composites	8	1
Exploration and Environmental Geochemistry	116	34
Filosofska dumka (Philosophical Thought)	574	110
Fiziologia rastenij i genetika	1,286	261
Fiziolohichnyï zhurnal	4,744	998
Folk art and ethnology	847	159
Formal Means of the Simulation of Parallel Processes and Systems	1	1
From the History of Book Culture of Ukraine: Research of Retrospective Book, Art, Music Publications and Historical Collections from the Funds of the Vernadsky National Library Of Ukraine	10	1
From the Urals to the Carpathians	6	1
Functional materials	5,891	974
Fundamentals of Synthesis of Organic Substances	11	1
Galician–Volhynian Chronicle: Textology	4	1
Gennady Matsuka: In the World of Molecules and Genes	4	1
GEO&BIO	341	68
Geo-Technical mechanics	955	245
Geochemistry and ore formation	492	121
Geochemistry of Technogenesis	549	62
Geology and Geochemistry of Combustible Minerals	530	48
Geology and Mineral Resources of World Ocean	813	174
Geology and Us	7	1

Grinding wheels of superhard materials for diamond-abrasive processing: new in the famous	4	1
Himia, Fizika ta Tehnologia Poverhni	2,219	354
How the word is born (Nina Klymenko)	3	1
Human development in Ukraine: priorities for the development of rural settlements in the context of management decentralization	5	1
Hydrodynamics and acoustics	114	23
HYDROGEN BASED ENERGY STORAGE: STATUS AND RECENT DEVELOPMENTS	123	6
Impact: Writing for Business, Technology, and Science	1	1
Infinitesimal Geometry of Spatial Mappings	2	1
Information extraction and processing	344	60
Information Potential of Cannon Barrels of the XV - Early XIX Centuries	8	1
Information Provision of Diagnostic Systems for Energy Facilities	4	1
INTER PACEM ET BELLUM: POLAND AND TEUTONIC ORDER IN XIII - BEGINNING OF XV.	4	1
Introduction to Probability Theory	4	1
Journal of Mechanical Engineering	1,352	222
Kibernetika i vyčislitel'naâ tehnika	970	176
Kinematika i fizika nebesnyh tel (Online)	743	170
Kosmična nauka ì tehnologiâ	8,094	2,029
Kraêznavstvo	66	47
L.A. Pastur. Biobibliography Scientists of Ukraine	4	1
L.V. Pisarzhevsky Institute of Physical Chemistry NAS of Ukraine. 1927—2017 / NAS of Ukraine (editorial board : V.G. Koshechko (head))	3	1
Large-scale ocean-atmosphere interaction and its impact on global and regional climate variability	4	1
LIBRARIAN INTERNET SUPPORT: STATE AND PROSPECTS	4	1
Long-term storage of digital information	4	1
Lyalko Vadym Ivanovich	1	1
Mathematical modeling of dynamical processes in the sea—land area	4	1
Mathematical Theory of Higher-Order Degenerate Evolution Models	2	1
May the Light of Science Never Die	4	1
Metal and Casting of Ukraine	635	155
METALLOFIZIKA I NOVEISHIE TEKHNologii	5,015	955
Metaloznavstvo ta obrobka metaliv	677	116
Microprisms: optical parameters and monitoring	2	1
Mikrobiolohichnyi Zhurnal	2,435	426
Mineralogical Journal	1,425	239
Modern Hydrogen Energetics and Ecology	5	1
MODERN INFORMATION-COMMUNICATION ENVIRONMENT AS A SPACE FOR TRANSFORMATION OF UKRAINIAN	4	1

NATIONAL IDENTITY.		
Modified Crystal Field Theory and its Applications	11	1
Monetary Power in the Modern World: Who will Challenge Dollar?	5	1
Moon in the Sky...	3	1
Multi-Photon Microscopy and Optical Recording	2	1
Musical Shevchenkiana in the Collections of the V.I. Vernadsky National Library of Ukraine	5	1
Mykola Hryhorovych Zhulynsky	3	1
Myroslav Ivanovych Pavlyuk	6	1
Mižnarodni zväzki Ukraïni: naukovì pošuki ì znaïdki	847	111
Nanochemical, nanostructural and biocolloidal aspects of transformations in dispersions of iron-aluminosilicate minerals	4	1
Nanosistemi, Nanomateriali, Nanotehnologii	1,615	288
Nanostructured layers and coating formed by ion-plasma fluxes in titanium alloys and steels	3	1
National Academy of Sciences of Ukraine in 1991-2021. To the 30th Anniversary of Independence of Ukraine	6	1
NATIONAL INFORMATION PROCESSES UNDER GLOBALISATION	5	1
NATIONAL RESOURCES FOR BIOGRAPHIC AND BIOBIOGRAPHIC INFORMATION: PROBLEMS OF FORMULATING AND USAGE	4	1
Nauka ta innovacii	6,336	854
Nauka ta naukoznavstvo	654	174
Naukovì pracì Nacional'noi biblioteki Ukraïni ìmeni V Ì Vernads'kogo	2,792	521
NEW FUNCTIONAL SUBSTANCES AND MATERIALS FOR CHEMICAL ENGINEERING	679	24
Nuclear Physics and Atomic Energy	1,765	368
Nuclear Project: Past and Present	1	1
Oleksiy Vasyliovych Pogorelov	4	1
Optoelektronika ta napìvprovìdnikova tehnika	207	36
Optoèlektronika i poluprovodnikovaâ tehnika	221	48
PALEOGRAPHIC ORPHOGRAPHIC ATTRIBUTION OF UKRAINIAN CYRILLIC HANDWRITTEN BOOK: STATUTORY AND SEMISTATUTORY CODICES OF LATE XIII - EARLY XVII.	6	1
Patons: Family Chronicle	6	1
PHENOMENON OF POLITICAL THOUGHT OF RUSSIAN DIASPORA IN CONTEXT OF UKRAINIAN STATE IDENTITY	4	1
Physico-mathematical modelling and informational technologies	684	116
Physico-technological aspects of degradation of silicon microwave diodes	2	1
Polarimetric remote sensing of Solar System objects	2	1
Polymer journal	1,261	246
Popular Astronomy	5	1
Praci Institutu elektrodinamiki Nacional'noi akademii nauk	1,289	237

Ukraini		
Preislamic Near East: History, Religion, Culture.	33	13
Printing House of the Berdychiv Monastery of the Discalced Carmelites: History and Publishing. 1758-1844	6	1
PROBLEMS IN PROGRAMMING	1,224	260
Problems of Cryobiology and Cryomedicine	4,731	484
Proceedings of the 6th Orlov Conference «The study of the Earth as a planet by methods of geophysics, geodesy and astronomy»	4	1
Proceedings of the National Museum of Natural History	113	32
Proceedings of the Theriological School	515	131
Proceedings of the XXVII Conference of the Danubian Countries on Hydrological Forecasting and Hydrological Bases of Water Management	105	24
Prykladni Problemy Mekhaniky i Matematyky	285	60
Radio physics and radio astronomy	1,346	220
Radio Waves Tell About the Universe	1	1
RADIOFIZIKA I ELEKTRONIKA	1,799	283
Remote sensing of the environment using the radiation of existing ground and space radio systems	11	1
Reports of the National Academy of Sciences of Ukraine	9,061	1,572
Ribogospodars'ka nauka Ukraïni.	1,797	358
Rukopisna ta knižkova spadšina Ukraïni	975	237
Science about water	4	1
Science and innovation	3,385	440
Science of Ukraine in the Global Information Space	59	13
Science of Ukraine in the Global Information Space	42	10
Science of Ukraine in the Global Information Space	3	1
Science Ukraine in the Global Information Space	36	7
Science Ukraine in the Global Information Space	55	14
Science Ukraine in the Global Information Space. Issue 17	47	9
Scientist, Organizer, Teacher: Collection of Memories about G.V. Samsonov	3	1
Scintillation detectors and systems of radiation monitoring on their base	3	1
Secondary Radioactive Contamination of the Atmosphere in Intermediate and Late Phases of a Nuclear Emergency	1	1
Semiconductor Physics, Quantum Electronics and Optoelectronics	9,188	1,818
Sergiy Ivanovych Pyrozhkov. Biobibliography Scientists of Ukraine	4	1
Serhiy Vynohradsky, the World's Leading Microbiologist	5	1
SHAPING OF STRATEGIC NARRATIVE FOR NFORMATION SUPPORT OF THE RE-INTEGRATION OF THE TEMPORARILY OCCUPIED TERRITORY INTO COMMON UKRAINIAN CONTEXT	4	1
Shidnoevropejskij zurnal vnutrisnoi ta simejnoi medicini	1,053	282

Sociology: Theory, Methods, Marketing	964	111
Superhard Materials: A Guide for Curious	8	1
Surface	1,419	123
Synthesis of secondary metabolites in vitro	3	1
SYSTEM OF COLLECTING AND ACCOUNTING OF ARCHIVAL FONDS OF THE INSTITUTE OF MANUSCRIPTS OF VI VERNADSKYI NATIONAL LIBRARY OF UKRAINE: ESTABLISHING OF DIGITAL INTEGRATED RESOURCE	4	1
Technical mechanics	990	233
Technique in Creative Writing	4	1
Tekhnichna Elektrodynamika	2,939	553
The Animal Biology	2,022	339
The Ethnology Notebooks	4,267	684
The Idea of Public: Political Philosophy in Ukraine in the XIX Century	6	1
The Mechanisms of Formation of Thin Films and Coatings Deposited by Physical Vapor Deposition Technology	2	1
The National Academy of Sciences of Ukraine. The 100th Anniversary of Its Foundation	2	1
The National Academy of Sciences of Ukraine. The 100th Anniversary of Its Foundation	2	1
The Oriental Studies	1,712	272
The phase formation processes into a short-circuited galvanic couple iron (St3)-carbon (coke) system in water medium	1	1
THE PHENOMENON OF INSTABILITY AS A CHALLENGE TO ECONOMIC DEVELOPMENT	6	1
The Principles of Chemistry of Heterocyclic Compounds	6	1
The Problems of General Energy	1,515	212
The Ukrainian Biochemical Journal	4,163	740
The Wonderland of Metals	3	1
The World of the Orient	2,722	443
Theriologia Ukrainica	650	109
Title Undetermined	2,575	675
Tumor hypoxia in the clinical setting	4	1
Ukraina Lithuanica. Studii z istorii Velikogo knâzïvstva Litovs'kogo	250	98
Ukraine and the Challenges of Post-Totalitarian Transit (1990-2019)	4	1
Ukraine and Ukrainians in the Post-Imperial Era (1917-1939)	7	1
Ukraine in the Epicenter of the Confrontation of World Systems (1939-1990)	19	1
Ukraine: Seeking Its Identity. The 16th – Early 17th Centuries	3	1
Ukrainian Botanical Journal	2,003	570
Ukrainian early (pre-1850) historical weather observations	9	1
Ukrainian film posters of 1947-1994 from the collections of the V.I. Vernadsky National Library of Ukraine	5	1
Ukrainian Geographical Journal	1,254	315



Ukrainian Journal of Physics	7,075	1,332
Ukrainian society	5,971	1,049
Ukrainica Bioorganica Acta	114	22
Ukrainska mova	807	200
Ukraïns'kij ìstoričnij žurnal	1,119	308
Ukraïns'ka bìografistika	747	179
Upravlâûšie sistemy i mašiny	498	194
Uspehi Fiziki Metallov	1,708	306
Uspihi materialoznavstva	277	42
V.E. Lashkaryov Institute of Semiconductor Physics / 1960—2020.	4	1
V.I. Vernadsky. The span of life and thought	5	1
Valery P. Kukhar. Biobibliography Scientists of Ukraine	3	1
Vestnik Zoologii	3,168	382
Visnik Nacional'noi' akademii' nauk Ukrai'ni	1,956	577
Vitaliy G. Donchyk. Biobibliography Scientists of Ukraine	3	1
Vitamins in Human Health	1	1
Volodymyr Zinovievych Turkevych	5	1
What Archeological Monuments Tell and Hide	2	1
Will to Identity. State Building and the Strategies of Legitimation	3	1
Yevgen Yakovych Khruslov. Biobibliography Scientists of Ukraine	6	1
Z arhiviv VUČK, GPU, NKVD, KGB	461	81
Zoodiversity	799	112
Zurnal Hromatograficnogo tovaristva	69	25
Zurnal matematiceskoj fiziki, analiza, geometrii	1,111	200
Èlektronnoe modelirovanie	1,248	293
Ìstoriâ narodnogo gospodarstva ta ekonomičnoï dumki Ukraïni	863	119
MIKC: місто, історія, суспільство	782	123
"Branta": Transactions of the Azov-Black Sea Ornithological Station	287	40

### Key terms defined from the failed resolutions report

**Unique DOIs attempted** is the number of unique DOIs represented in the total "resolutions attempted" from above.

**Unique DOIs resolved at handle** is the number of unique DOIs represented in the "resolved at handle" count from above.

**Unique DOIs that failed at handle** is the number of unique DOIs represented in the "handle failures" count from above.

**Unique DOIs resolved at local link server** is the number of unique DOIs represented in the "resolved at local link server" count from above.

The attached file, if present, contains all of the DOIs that failed to resolve followed by the count indicating the number of times that DOI was attempted.

"na" - means that data is not available for that month and type.

### Resolution failure rate

The overall resolution failure rate (the percentage of DOI resolution attempts that failed) for

all publishers is 4% and your failure rate is 1%. If your failure rate is significantly above zero or the overall average please investigate to determine the cause.

[Frequently asked questions \(FAQs\)](#) about this resolution report.

If you have problems with or questions about this report, please contact [support@crossref.org](mailto:support@crossref.org).