

### Call title ‘Excellent Science in Ukraine’

Rating list of projects from the designated information prior to their numerical evaluation  
(from highest value to lowest)

No.	Application ID	Applicant’s full name	Organization	Project title	Average rating
1.	2023.03/0101	Moiseyenko Volodymyr Yevgenovych	National Science Center Kharkov Institute of Physics and Technology	Critical issues for stellarators as fusion machines	99
2.	2023.03/0120	Filonenko Valeriy Viktorovych	Institute of molecular biology and genetics NAS of Ukraine	Elucidation of the functional relationships between isoforms of estrogen receptor ER $\alpha$ and isoforms of ribosomal protein S6 kinase (S6K1) in human breast carcinoma cells	98,9
3.	2023.03/0149	Hnatyk Bohdan Ivanovych	TARAS SHEVCHENKO NATIONAL UNIVERSITY of KYIV	Search for physics beyond the Standard Model in terrestrial laboratories and in astronomical objects	98,4
4.	2023.03/0097	Zolotaryuk Yaroslav Oleksandrovych	Bogolyubov Institute for Theoretical Physics	Electronic and transport properties of Dirac materials and Josephson junctions	98,3
5.	2023.03/0132	Morozovska Anna Nikolaevna	Institute of Physics of National Academy of Sciences of Ukraine	Manyfold-degenerated metastable states of spontaneous polarization in nanoferroics: theory, experiment and perspectives for digital nanoelectronics.	98,2
6.	2023.03/0068	Kuzmina Tetiana Anatoliivna	I. I. Schmalhausen Institute of Zoology NAS of Ukraine	Parasites and the Sixth Extinction: a study of the state of parasites communities and populations of the model groups of animals under the current crisis of biodiversity	98,1

7.	2023.03/0072	Negrutskii Boris Sergijovych	Institute of Molecular Biology and Genetics	Highly homologous paralogs of translation elongation factor 1A. Structural studies to understand functional differences	98,1
8.	2023.03/0169	Veklych Anatolii Mykolayovych	Taras Shevchenko National University of Kyiv	Peculiarities of physical processes in the plasma of gas discharges during its interaction with the novel composite materials	97,9
9.	2023.03/0165	Lev Bohdan Ivanovich	Bogolyubov Institute for Theoretical Physics NAS Ukraine	Quantum correlations of electromagnetic radiation	97,5
10.	2023.03/0156	Gudkov Dmitri Igorevich	Institute of Hydrobiology of the NAS of Ukraine	Physiological-biochemical, haematological and reproductive mechanisms of adaptation of fish in conditions of long-term radionuclide contamination of water bodies	97,3
11.	2023.03/0041	Strizhak Peter Evgenovich	L.V.Pisarzhevskii Institute of physical chemistry of NAS of Ukraine	New approaches to the kinetics of a heterogeneous catalytic process	97,1
12.	2023.03/0073	Sotnikov Andrii Gennadijovych	National Science Center "Kharkiv Institute of Physics and Technology"	Novel theoretical approaches for the in-depth description of correlated quantum many-body systems	96,8
13.	2023.03/0053	Loboda Petro Ivanovych	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	Scientific basis of synthesis of metal-ceramic composites based on high-entropy alloys by severe plastic deformation during explosion treatment	96,6
14.	2023.03/0176	Slivka (Slyvka) Mikhailo (Mykhailo) Vasyliovych	Uzhhorod national university	Strategy for the direct synthesis of functional chalcogen-halide materials for medicine and energy needs	96,3
15.	2023.03/0035	Fedorovych/Fedorovich Dariya Vasylivna	Institute of cell biology	The new genes involved in regulation of riboflavin synthesis in the flavinogenic yeast Candida famata and mechanisms of their action	96,3
16.	2023.03/0222	Veliky Mykola M.	Palladin Institute of Biochemistry	Involvement of cholecalciferol and osteocalcin signaling pathways in the functioning of the cholinergic system of the brain in experimental vitamin D3 deficiency	96,1

17.	2023.03/0059	Iksanov Oleksandr M.	Taras Shevchenko National University of Kyiv	Contribution to modern theory of random series	95,9
18.	2023.03/0198	Zagorodnyuk Andriy Vasyl'ovych	Vasyl Stefanyk Precarpathian National University	Analysis of the spectra of countably generated algebras of symmetric polynomials and possible applications in quantum mechanics and computer science	95,7
19.	2023.03/0175	Yarmoluk Sergiy Mykolayovych	Institute of Molecular Biology and Genetics	Investigation of Mycobacterium tuberculosis leucyl-tRNA synthetase structural features for rational drug design	95,6
20.	2023.03/0245	Skrypkinia Inessa Yakivna	Institute of molecular biology and genetics	A comprehensive study of 3D model systems to elucidate the mechanisms of CHI3L1 isoforms influence on glioblastoma progression	95,5
21.	2023.03/0127	Eugene Eliseev Anatoliyovych	Frantsevich Institute for Problems in Materials Science	Silicon-compatible ferroelectric nanocomposites for electronics and sensors	95,4
22.	2023.03/0033	Stakhira Pavlo Yosypovych	Lviv Polytechnic National University	Low-dimensional structures for enhancing the luminescence quantum yield in highly efficient phosphorescent light-emitting devices	95,4
23.	2023.03/0093	Kobyakova Iryna Karpivna	Sumy State University	Innovative technologies of the mass consciousness manipulation: a polyparadigmatic linguistic dimension	95,3
24.	2023.03/0213	Kobychev Vladislav Valerievich	Institute for Nuclear Research of the National Academy of Sciences of Ukraine	Neutrino properties and rare nuclear decays	95,1
25.	2023.03/0074	Kapustyan Oleksiy Volodymyrovych	Taras Shevchenko national university of Kyiv	Infinite-dimensional evolutionary equations with multivalued and stochastic dynamics	95,1
26.	2023.03/0174	Dubolazov Alexander Volodymirovich	Yuriy Fedkovich Chernivtsi National University	Development of the newest methods and systems of polarization Stokes fluorometry for laser spectral-selective autofluorescent detector of wound regeneration	95

27.	2023.03/0083	Roshal Oleksandr Davydovych	V.N. Karazin Kharkiv National University	Functionalized fluorescent organogels for detection, accumulation and monitoring of radionuclides and ecotoxic metals	94,9
28.	2023.03/0197	Chumachenko Dmytro Ihorovych	National Aerospace University "Kharkiv Aviation Institute"	Multidisciplinary study of the impact of emergency situations on the infectious diseases spreading to support management decision-making in the field of population biosafety	94,8
29.	2023.03/0013	Gomonnai Alexander Vasyliovych	Institute of Electron Physics	Physical and chemical aspects of formation of low-dimensional structures in Ag–As–Sb–S system for functional electronics	94,7
30.	2023.03/0109	Strutynska Nataliia Yuriivna	Taras Shevchenko National University of Kyiv	Design of composite biomaterials with special properties for medical application	94,6
31.	2023.03/0192	Kharlamova Ganna O.	Taras Shevchenko National University of Kyiv	Theoretical foundations for harmonising the editorial practices of Ukrainian academic publishing with international standards to enable Ukraine to compete in European open science	94,5
32.	2023.03/0012	Krivchikov Alexander Ivanovich	B.Verkin Institute for Low Temperature Physics and Engineering National Academy of Sciences of Ukraine	Low-temperature quantum nanoscale effects in the thermal properties of compacted carbon materials and their composites	94,4
33.	2023.03/0201	Kozlovskii Mykhailo Pavlovych	Institute for Condensed Matter Physics of NAS of Ukraine	Analysis and prediction of physical properties of simple substances based on a generalized cell model of many-particle systems	94,2
34.	2023.03/0050	Seminko Vladyslav Viktorovich	Institute for Scintillation Materials	Redox-active complexes based on oxide nanoparticles and organic biologically active molecules for non-toxic chemotherapy	93,7
35.	2023.03/0007	Stanislavsky Aleksander Aleksandrovich	Institute of Radio Astronomy	Thermal free-free absorption in supernova remnants at radio emission frequencies below 80 MHz	93,7

36.	2023.03/0186	Yukhymchuk Volodymyr Olexandrovych	V. Lashkaryov Institute of Semiconductor Physics	Deformation engineering of the electronic structure of GeSn thin films for new generation IR optoelectronics	93,5
37.	2023.03/0207	Dydyk-Meush Hanna Mykhailo	I. Krypiakevych Institute of Ukrainian Studies of the NAS of Ukraine	Historical memory of Ukrainians in the conditions of war: from confrontation to consolidation	93,4
38.	2023.03/0225	Volochnyuk Dmitriy M	Institute of Organic Chemistry of National Academy of Sciences of Ukraine	Flow chemistry as an advanced approach for scale up of hazardous processes	93,3
39.	2023.03/0139	Shcherban Nataliya Dmytrivna	L.V. Pisarzhevsky Institute of Physical Chemistry NAS of Ukraine	Creation of new bifunctional zeolite catalysts for one-pot cascade processes of conversion of platform molecules from biomass into fuels and industrially valuable organic compounds	92,7
40.	2023.03/0048	Parkhomenko Oleksandr Mykolaiovych	State Institution "National Scientific Center the M.D. Strazhesko Institute of Cardiology, Clinical and Regenerative Medicine of the National Academy of Medical Sciences of Ukraine"	Development of personalized criteria for assessing high cardiovascular risk based on markers of cellular senescence	92,7
41.	2023.03/0182	Sotnikov Gennadiy Vasil'jovich	National Science Center "Kharkiv Institute of Physics and Technology"	Elaboration of high-gradient accelerators of charged particles based on the excitation of intense electromagnetic fields in plasma and dielectric structures by high-current electron bunches or a powerful laser pulse	92,6
42.	2023.03/0178	Dontsovs Tetiana Anatoliivna	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"	Scientific basis for the synthesis of advanced ceramic membranes using 3D printing technologies	92,5
43.	2023.03/0063	DERZHKO OLEG VOLODYMYROVYCH	Institute for Condensed Matter Physics	Frustrated quantum magnets under various external conditions	92,2
44.	2023.03/0181	Krishtal Oleg Oleksandrovych	Bogomoletz Institute of Physiology	Cross-talk between GABAARs and ASICs as a novel target for stress-induced insomnia	92,1
45.	2023.03/0021	Maderych Volodymyr Stanislavovych	INSTITUTE OF MATHEMATICAL MACHINES AND SYSTEMS PROBLEMS OF NATIONAL ACADEMY OF SCIENCE OF UKRAINE	Dynamics of radioactive contamination of the marine environment: research, analysis and forecasting with data assimilation	92,1

46.	2023.03/0252	Lishchuk Pavlo Oleksandrovych	Taras Shevchenko National University of Kyiv	Development of principles for the creation and machine-oriented characterization of porous silicon nanostructures with optimal heat transport properties	91,7
47.	2023.03/0098	Novosyadlyj Bohdan Stepanovych	Ivan Franko National University of Lviv	Tomography of the Dark Ages and Cosmic Dawn in the lines of hydrogen and the first molecules as a test of cosmological models	91,7
48.	2023.03/0250	Ryabukhin Sergey V	Taras Shevchenko National University of Kyiv	Unconventional cage compounds as new advanced platform for drug discovery	91,5
49.	2023.03/0242	Karbivskyy Volodymyr Leonidovich	G. V. Kurdyumov Institute for Metal Physics	Apatite-like structures as a promising family of superconducting materials	91,5
50.	2023.03/0131	Plankovskyy Sergiy I.	O.M.Beketov National University of Urban Economy in Kharkiv	Methodology for the creation of digital twins supported by artificial intelligence for the tasks of managing and monitoring the critical infrastructure of cities	91,3
51.	2023.03/0099	Holovatch Yuriy Vasylovych	Institute for Condensed Matter Physics	Criticality of complex systems: fundamental aspects and applications	91,1
52.	2023.03/0160	Kovalevska Larysa M	RE Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology NAS of Ukraine	Activation of signaling cascades for the elimination of transformed B cells in chronic lymphocytic leukemia	90,9
53.	2023.03/0244	Mishchenko Lidiya Trohymivna	Taras Shevchenko National Univeristy of Kyiv	Mechanisms controlling resilience of economically important crops to viral diseases under war conditions and global warming	90,7
54.	2023.03/0187	Hupalo Vira Deonizivna	I. Krypiakevych Institute of Ukrainian Studies of the NAS of Ukraine	Between East and West: the funeral culture of Western Ukraine from the 11th to the 18th century. Interdisciplinary analysis	90,7
55.	2023.03/0188	Vavilova Iryna Borysivna	Main Astronomical Observatory	The Milky Way galaxies-analogues	90,3

56.	2023.03/0036	Krisanova Natalia Valeriivna	Palladin Institute of Biochemistry NAS of Ukraine	Functionalised carbon-based nanomaterials obtained by "green methods" from Ukrainian agricultural waste to combat multilevel neurotoxicity induced by xenobiotic/essential transition metals and arsenic	90,3
57.	2023.03/0243	Pud Oleksandr (Alexander) Arkadiyovych	V.P. Kukhar Institute of Bioorganic Chemistry and Petrochemistry of the National Academy of Sciences of Ukraine	Specific interactions and control of properties of conducting conjugated polymer nanocomposites for sensing applications	90,2
58.	2023.03/0104	Finiuk Nataliya Stepanivna	Institute of Cell Biology of the National Academy of Sciences of Ukraine	Molecular design, synthesis and preclinical testing of new thiazole and thiazolidine derivatives with selective action on cells of myeloproliferative neoplasms	90,2
59.	2023.03/0060	Kondratenko Serhiy Viktorovich	Taras Shevchenko National University of Kyiv	Generation and recombination of non-equilibrium charge carriers in GeSn alloys	90,1
60.	2023.03/0255	Mikhlin Yuriy V.	National Technical University "Kharkiv Polytechnic Institute"	Vibration protection of devices, equipment, cargo and people from dynamic influences in emergency conditions based on the study of nonlinear oscillations of complex structure systems with controlled and passive elements	89,9
61.	2023.03/0193	Matzui Ludmila Yuriivna	Taras Shevchenko National University of Kyiv.	Scientific principles of creating percolation polymer metamaterials with negative permittivity and magnetic permeability	89,7
62.	2023.03/0002	Kochubei Anatoly Naumovich	Institute of Mathematics, National Academy of Sciences of Ukraine	Pseudo-Differential Equations over Non-Archimedean Fields	89,7
63.	2023.03/0206	Lisetski Longin N.	Institute for Scintillation Materials of NAS of Ukraine	Induced and spontaneous nanostructuring in liquid crystal colloidal systems as potential materials for optical devices	89,5
64.	2023.03/0194	Golub Volodymyr Olegovych	Institute of magnetism	Physical principles of increasing operational frequencies of magnetic electronics and magnonics	89,5
65.	2023.03/0107	Mchedlov-Petrosyan Mykola Otarovich	V. N. Karazin Kharkiv National University	Interface boundary in organized solutions as a reaction medium	89,5
66.	2023.03/0100	Ostapiuk Yuriy Volodymyrovych	Ivan Franko National University of Lviv	Advanced methodologies for the use of diazonium salts in organic synthesis	89,5

67.	2023.03/0159	Makarov Volodymyr Leonidovych	The Institute of Mathematics	Effective methods of solving actual problems that arise in modeling complex dynamic systems	89,3
68.	2023.03/0147	Kunakh Viktor Anatoliyovych	Institute of Molecular Biology and Genetics	Study of the mechanisms of action of indole alkaloids from Rauvolfia serpentina tissue culture on the pathogenesis of left ventricular hypertrophy to develop new cardiovascular drugs and prophylactic agents	89,1
69.	2023.03/0121	Nabok Maryna Mykolaivna	Sumy State University	National Resilience as a Source and Method of Consolidation of the Ukrainian Society: Theory, History, Modernity	89,1
70.	2023.03/0085	Strelchuk Viktor Vasyliovych	V.E. Lashkaryov Institute of Semiconductor Physics of NAS of Ukraine	Electrophysical and optical properties of semiconductor HPHT diamonds with maximum concentrations of boron and nitrogen for the latest power and quantum electronics	89,1
71.	2023.03/0247	Druzhinin Anatoly Alexandrovich	Lviv Polytechnic National University	Physical prerequisites for the manifestation of atypical kinetic effects in functional semiconductor micro- and nanostructures for modern sensor devices	88,8
72.	2023.03/0044	Kostin Valery Anatoliyovich	E.O. Paton Electric Welding Institute NAS of Ukraine	Development of principles for controlling the kinetics of structure formation in the zone of thermal influence of welded joints of rail steels of pre-eutectoid and hypereutectoid classes	88,7
73.	2023.03/0236	Iorgov Mykola Z.	BOGOLYUBOV INSTITUTE FOR THEORETICAL PHYSICS	Isomonodromic tau functions: from Riemann-Hilbert problem to quantum field theory	88,6
74.	2023.03/0226	Subbotin Sergey Alexandrovich	National University "Zaporizhzhia Polytechnic"	Methods and tools for pattern recognition based on neural network technologies in military and civilian applications	88,3
75.	2023.03/0129	Beresnev Vyacheslav Martynovich	V. N. Karazin Kharkiv National University	Generation of functional coatings of a new generation to improve the operational characteristics of working tools and products for civil and military engineering.	88,2



76.	2023.03/0163	Gerasimenko Natalia Petrivna	Taras Shevchenko National University of Kyiv	RECONSTRUCTION OF ECOSYSTEMS DEVELOPMENT DUE TO CLIMATE CHANGES OF THE QUATERNARY PERIOD AS A NEW TOOL FOR BIODIVERSITY CONSERVATION AND REHABILITATION	88,2
77.	2023.03/0254	Luchehko Andriy Petrovych	Ivan Franko National University of Lviv	Novel wide-bandgap gallium-containing oxide materials with tunable emission and electrical characteristics for optoelectronic applications	88,1
78.	2023.03/0019	Lykhovyd Pavlo Volodymyrovych	Institute of climate-smart agriculture of the National academy of agrarian sciences of Ukraine	Theoretical bases and methodology for application of artificial intelligence in automated pests and diseases identification in crops	88,1
79.	2023.03/0005	Radkovets Natalia Yaroslavivna	Institute of Geology and Geochemistry of Combustible Minerals	Geological and geochemical studies of Jurassic black shale formations, formed as a result of global anoxic events, with the aim of establishing their role in formation of petroleum systems within the southwestern slope of the East European Platform	88,1
80.	2023.03/0141	Krasnodemsra Iryna Yosypivna	Research Institute of Ukrainian Studies	Consolidation of Ukrainian society in the conditions of genocidal war: philosophical and historical aspects	87,7
81.	2023.03/0078	Kobzar Oleksandr Leonidovych	V.P. Kukhar Institute of Bioorganic Chemistry and Petrochemistry of the National Academy of Sciences of Ukraine	Design of bioactive coumarins, flavonoids, and their conjugates with azaheterocycles as agents targeting therapeutically important enzymes	87,7
82.	2023.03/0008	Matvieieva Nadiia Anatoliivna	Institute of Cell Biology and Genetic Engineering NAS of Ukraine	Regulation and stimulation of the biosynthesis of compounds with antioxidant and anti-inflammatory activity in the biotechnological roots of wormwood as a basis for the creation of "green" technology of biopolymer compositionsof high bioavailability.	87,7
83.	2023.03/0069	Korniy Sergiy Andriyovych	Karpenko Physico-Mechanical Institute of the NAS of Ukraine	Corrosion protection of mechanically activated surface of aluminium alloys with environmentally safe inhibiting compositions	87,6
84.	2023.03/0240	Kadenko Ihor Mykolayovych	Taras Shevchenko National University of Kyiv	Observation of positron decay of the bound nucleus $2\text{He}$ /diproton	87,4

85.	2023.03/0025	Gorenstein Mark Isakovych	Bogolyubov Institute for Theoretical Physics of the National Academy of Sciences of Ukraine	New forms of matter created in relativistic nucleus-nucleus collisions	87,4
86.	2023.03/0133	Norkin Volodymyr Ivanovych	V.M. Glushkov Institute of Cybernetics	Stochastic optimization methods for solving non-convex non-smooth machine learning problems and optimal control of Markov fields on graphs	87,3
87.	2023.03/0130	Bilovodska Olena Anatoliivna	Taras Shevchenko National University of Kyiv	Innovative Development of Entrepreneurial Universities in Ukraine in the Conditions of Military Aggression and Post-War Reconstruction	87,1
88.	2023.03/0218	Romanyuk Anatolii Serhiyovych	Institute of Mathematics of NAS of Ukraine	Development and improvement of highly effective methods of modern theory of approximation of functions: information, interpolation, entropy and computational aspects	86,8
89.	2023.03/0214	Balatsky Viktor Mykolayovych	INSTITUTE OF PIG BREEDING AND AGROINDUSTRIAL PRODUCTION OF THE NATIONAL ACADEMY OF AGRARIAN SCIENCES OF UKRAINE	Bioinformatic approach to the search for causative polymorphisms in animal genomes to develop genetic markers of productive traits	86,7
90.	2023.03/0122	Muravsky Leonid Ihorovych	Karpenko Physico-Mechanical Institute	Development of new approach to identification of internal defects in structural layered materials by optical-acoustic method	86,6
91.	2023.03/0153	Rachkovskij Dmitri A.	International Research and Training Center for Information Technologies and Systems of NAS and MES of Ukraine	Development of applied artificial intelligence methods for autonomous control of air and ground moving objects	86,4
92.	2023.03/0258	Zahorodnia (Zagorodnya) Svitlana D.	D.K. Zabolotny Institute of microbiology and virology	Development of low-molecular-weight inhibitors with antiviral and antitumor activity by integrating in silico design of medicinal compounds with modern methods of organic synthesis and determination of their biological activity	86,2
93.	2023.03/0118	Karachevtsev Victor Oleksiyovych	B.Verkin Institute for Low Temperature Physics and Engineering of the National Academy of Sciences of Ukraine	Antimicrobial membranes from polymer nanofibers with incorporated multimodal nanoplatfroms based on 2D nanomaterials	86,2

94.	2023.03/0224	Boyarchuk Oksana Romanivna	I.Horbachevsky Ternopil National Medical University	Preclinical studying of the therapeutic potential of extracellular vesicles derived from human umbilical cord mesenchymal stem cells	86,1
95.	2023.03/0144	Pavlo Gol'din Evgenovych	I.I. Schmalhausen Institute of Zoology of National Academy of Sciences of Ukraine	Changes of body size in animal evolution: target or means?	85,8
96.	2023.03/0173	Tkachuk Volodymyr Mykhailovych	Ivan Franko National University of Lviv	Studies of classical and relativistic systems in spaces with complex structure using quantum computing	85,5
97.	2023.03/0161	Stolyarchuk Ihor Dmytrovych	Drohobych Ivan Franko State Pedagogical University	Nanocomposites based on quantum dots of diluted magnetic semiconductor: fundamental aspects and newest approaches to the creation of analytical test systems for diagnostic purposes in biomedical research	85,4
98.	2023.03/0058	Telegeev Gennadiy Dmytrovych	The Institute of Molecular Biology and Genetics of NAS of Ukraine	Analysis of the expression of genes that determine the chemoresistance of a tumor cell and development of approaches to its correction	85,3
99.	2023.03/0257	Stepenko Serhii A.	Chernihiv Polytechnic National University	A SMART TRANSFORMATION OF UKRAINE'S ENERGY SUPPLY SYSTEM FOR POST-WAR RECOVERY AND INTEGRATION OF THE COUNTRY TO EU	85,1
100.	2023.03/0190	Tsegelnyk Yevgen Volodymyrovych	O.M. Beketov National University of Urban Economy in Kharkiv	Fundamental aspects of creating effective heat recovery systems based on heat exchangers from modified thermoplastic materials and two-phase pump systems	85,1
101.	2023.03/0024	Pyshyev Serhiy Victorovych	Lviv Polytechnic National University	Obtaining fuels from waste hydrocarbon materials and biomass to increase energy independence and the share of the circular economy during and after the war	84,9
102.	2023.03/0043	Tkachenko Ihor M.	Institute of Macromolecular Chemistry of the National Academy of Sciences of Ukraine	Self-healing azopolymers with photocontrolled glass transition temperature	84,8
103.	2023.03/0146	Danilyan Oleg Gennadiyovych	Yaroslav Mudryi National Law University	Crisis and post-crisis models of public administration for the reconstruction of Ukraine	84,7

104.	2023.03/0126	Kravets Volodymyr Stepanovych	V.P. Kukhar Institute of Bioorganic Chemistry and Petrochemistry	Molecular bases of plant resistance to heavy metals: effect of 24-epicastosterone on the content of endogenous phytohormones and plant resistance to copper and cadmium ions	84,7
105.	2023.03/0158	Lazur Yaroslav Volodymyrovich	State University «Uzhhorod National University»	Public administration in the field of health care: effective models in the conditions of modern challenges	84,6
106.	2023.03/0064	Yeshchenko Oleg Anatoliyovych	Taras Shevchenko National University of Kyiv	Molecular-plasmonic nanohybrids sensitive to external stimuli for nanomedicine and photonics	84,5
107.	2023.03/0075	Rusov Vitalii Danylovych	Odessa Polytechnic National University	The small epithermal wave-traveling reactor	84,4
108.	2023.03/0016	Myrontsov Mykyta Leonidovych	Institute of Telecommunications and Global Information Space of the National Academy of Sciences of Ukraine	Development and implementation of technologies for restoration and optimization of exploration and production of oil and gas, taking into account environmental risks in conditions of war	84,1
109.	2023.03/0102	GURALSKYI ILLIA Oleksandrovych	Taras Shevchenko National University of Kyiv	Materials based on hybrid organic-inorganic perovskites for photodetection	83,9
110.	2023.03/0168	Zhelezny Vitaly Petrovich	Odesa National University of Technology	New thermal energy storage nanomaterials and hybrid nano heat transfer mediums for cogeneration power units (development of production technology, thermophysical properties and heat transfer)	83,8
111.	2023.03/0179	Natrus Larysa Valentynivna	Bogomolets National Medical University	Protective factors and predictors of the development of proliferative retinopathy in patients with type 2 diabetes: the role of DNA methylation	83,7
112.	2023.03/0128	Kuntyi Orest Ivanovych	Lviv Polytechnic National University	Architecture of bimetallic compositions formed by laser processing and decoration with nanostructures in electrocatalysis: synthesis, structure, activity, stability.	83,7
113.	2023.03/0065	Pichura Vitalii Ivanovych	Kherson State Agrarian and Economic University	Ecological and economic consequences of russian armed aggression on the state of the Lower Dnipro River sub-basin	83,7

114.	2023.03/0238	Orysyk Svitlana Ivanivna	V.I. Vernadsky Institute of General and Inorganic Chemistry of the National Academy of Science of Ukraine	Application of innovative approaches in the development of leaders compounds and sensors of the new generation for the therapy of tumor diseases and solving environmental problems in Ukraine	83,5
115.	2023.03/0150	Gunka Volodymyr Myroslavovych	Lviv Polytechnic National University	Synthesis of bio-based surfactants for the recovery of road pavement layers	83,1
116.	2023.03/0108	Bulanova Maryna Vadymivna	I.M.Frantsevich Institute for Problems of Materials Science	Development of innovative biocompatible materials based on complex alloyed (Ti,Zr,Nb,Mo) <sub>3</sub> Sn intermetalide with unique hyperelastic properties	83,1
117.	2023.03/0155	Kharytonov Mykola Mykolayovich	Dnipro State Agrarian and Economic University	Scientific substantiation of the composition of crop rotation and technologies for growing crops in conditions of high-quality water deficiency for irrigation in the steppe Dnieper region	82,9
118.	2023.03/0202	Karpenko Olena Volodymyrivna	Department of Physical Chemistry of Fossil Fuels of the Institute of Physical-Organic Chemistry and Coal Chemistry named after L. M. Lytvynenko of the National Academy of Sciences of Ukraine	Creation of ecologically safe bioplastics for multi-vector application	82,7
119.	2023.03/0096	Bogucki Andriy Bonifatiiiovych	Ivan Franko National University of Lviv	Pleistocene Periglacial Morphogenesis on the Loess Plains of Ukraine as a Marker of Global Environmental Changes	82,6
120.	2023.03/0054	Solovey Victor Vasylovych	A. Pidhornyi Institute of Mechanical Engineering Problems of the National Academy of Sciences of Ukraine	Development and improvement of thermodynamic and thermoelectrochemical processes of efficient hydrogen production and usage in environmentally friendly energy systems	82,6
121.	2023.03/0140	Saukh Sergii Yevgenovich	G.E. Pukhov Institute for Modelling in Energy Engineering of National Academy of Sciences of Ukraine	Parallel methods and algorithms for solving problems of mixed integer linear programming that arise when planning the development of flexible electric power systems	82,5

122.	2023.03/0089	Chygryn Olena Yuriivna	Sumy State University	Green competitiveness of Ukraine: intelligent systems, financial and institutional mechanisms for optimizing energy consumption	82,5
123.	2023.03/0180	Kussul Nataliia -	National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”	Multimodal deep learning models for land use change analysis with limited training data	82,4
124.	2023.03/0116	Kosarchuk Valerii Volodymyrovych	State University of Infrastructure and Technology	Development of promising methods of improving the operational properties of surfaces of structural elements of railway machinery.	82,2
125.	2023.03/0032	Protokovilov Ihor Viktorovich	The E.O. Paton Electric Welding Institute of NAS of Ukraine	Scientific principles of the creation of the advanced copper-based adding materials with high heat and electrical conductivity characteristics for the needs of the fuel and energy complex of Ukraine	82,1
126.	2023.03/0110	Pinchuk Valeriia Oleksandrivna	Dnipro University of Technology	Scientific grounds of the electromagnetic field influence on the combustion mechanism of coal raw materials for the implementation of circular energy principles	82
127.	2023.03/0215	Sydorenko Liudmyla Vasylivna	National University of Pharmacy	New hybrids of fluoroquinolones to overcome antibiotic resistance	81,9
128.	2023.03/0039	Malykhin Sergey Vladimirovich	National Technical University «Kharkiv Polytechnic Institute»	Radiation-thermal stability of the structural and stress state of layered tungsten/quasi-crystalline coatings	81,8
129.	2023.03/0209	Vasylechko Leonid Orestovich	Lviv Polytechnic National University	Crystal structure and electronic properties engineering of complex oxide materials for a wide range functional applications	81,6
130.	2023.03/0113	Lytvyn Mykola Roman	Ivan Kryp'yakevych Institute of Ukrainian Studies, National Academy of Sciences of Ukraine	Ethno-Sociocultural Space of Ukraine as an Object of Russian Information Aggression: Historical Origins, Destructive Narratives, and Counteraction Mechanisms	80,9
131.	2023.03/0125	Smetankina Natalia V.	Anatolii Pidgornyi Institute of Mechanical Engineering Problems of the National Academy of Sciences of Ukraine	Numerical modeling of the stress-strain state of composite structural elements and analysis of the dependence of their load-bearing capacity on the package structure	80,7

132.	2023.03/0151	Kiv Arik Yukhimovych	The State Institution “South Ukrainian National Pedagogical University named after K.D. Ushynsky”	Mechanisms of electron-lattice relaxation in the process of photopolymerization and new methods of predicting structural transformations in biopolymer materials	80,5
133.	2023.03/0094	Loboda Volodymyr Vasyľ ovich	Oles Honchar Dnipro National University	Problems of fracture mechanics of heterogeneous structural elements with damage and ways of protecting them from the development of defects	80,5
134.	2023.03/0015	Kushnir Anatolii Stepanovych	Institute of Geography	The concept of soil evolution in the context of the time influence and anthropogenic load (climatic, geocological, geomorphological and landscape aspects)	80,5
135.	2023.03/0086	Lubenets Vira Ilkivna	Lviv Polytechnic National University	Scientific-experimental justification of the use of sulfur-containing substances for preventive and therapeutic measures in medicine and veterinary medicine.	80,3
136.	2023.03/0034	Doroshko Mykola Savovych	Taras Shevchenko National University of Kyiv	Enhancing Ukraine's International Subjectness in the Face of Full-Scale Russian Aggression: Political, Economic and Legal Aspects	79,9
137.	2023.03/0231	Baranovkyi Oleksandr Ivanovych	SESE "The Academy of financial management"	Financial Security, Fiscal Space and Investment Potential of Critical Infrastructure Functioning, Restoration and Modernisation: International Trends and National Peculiarities	79,8
138.	2023.03/0235	Huleyuk Nataliya Lubomyrivna	State Institution "Institute of Hereditary Pathology of National Academy of Medical Sciences of Ukraine"	Optimization of the genetic research algorithm in the genesis of disorders of human reproduction processes	79,6
139.	2023.03/0143	Krupodorova Tetiana Anatoliivna	Institute of Food Biotechnology and Genomics NAS of UKraine	Search and development of new effective bioherbicides based on fungal and plant metabolites for the control of sunflower broomrapes (Orobanche cumana)	79,5
140.	2023.03/0220	Prysiashniuk Oleh Ivanovich	Institute of Bioenergy Crops and Sugar Beet NAAS Ukraine	Developing an agroecological basis for accelerated phytoremediation of lands affected by military actions in the context of strengthening food and energy security	79,4
141.	2023.03/0157	Spasybo-Fateyeva Inna Valentynivna	Yaroslav Mudryi National Law University	Harmonizing institutes of Ukrainian private law with the EU law based on comparative analysis	79,3

142.	2023.03/0171	Korzyh Volodymyr Mykolaiovych	E.O.Paton Electric Welding Institute	Development of new alloys, multi-layer, and functional-gradient materials based on aluminum with determined structure and properties and obtaining of large-sized volumetric products from them within the conditions of additive plasma-arc deposition (3D printing)	79,2
143.	2023.03/0079	Mikhailets Vladimir Andriiovych	Institute of Mathematics of the National Academy of Sciences of Ukraine	Spectral and boundary-value problems for differential equations	79,1
144.	2023.03/0138	Karpets Myroslav Vasyliovych	National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”	Creation of new heat-resistant materials for blades of gas turbine engines based on high-entropy alloys with BCC lattice	78,9
145.	2023.03/0228	Zyman Zoltan Zoltanovych	V.N. Karazin Kharkiv National University	Improving the project solution quality under a process of developing cyber-physical systems, including critical infrastructure subsystems	78,2
146.	2023.03/0253	Fedushko Solomiia S.	Lviv Polytechnic National University	Strategies and innovative methods for ensuring the information resilience of online environment users	78,1
147.	2023.03/0046	Pysmennyy Yevgen Mykolayovych	NATIONAL TECHNICAL UNIVERSITY OF UKRAINE IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE (IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE)	Scientific basis for the development of heat exchange systems based on polymetallic developed surfaces for dry cooling towers and exhaust heat recovery units	77,9
148.	2023.03/0018	Tsygankova Victoria Anatolyivna	V.P. Kukhar Institute of Bioorganic Chemistry and Petrochemistry of the National Academy of Sciences of Ukraine	Synthesis of new plant growth regulators based on azaheterocycles to increase the productivity of agricultural crops to prevent the food crisis in Ukraine during the war and post-war periods.	77,9
149.	2023.03/0167	Malovanny Myroslav -	Lviv Polytechnic National University	Fundamentals of optimizing biogas production technologies through anaerobic co-fermentation of pre-treated mixtures of organic waste of various geneses	77,4
150.	2023.03/0038	Zavdoveev Anatoliy Victorovich	The Paton electric welding institute	Development of the newest high-entropy alloys Nb, W, Zr microalloyed with increased properties through wire arc additive manufacturing	77,3
151.	2023.03/0022	Desenko Serhiy Mikhailovich	State Scientific Institution “Institute for Single Crystals” of National Academy of Sciences of Ukraine	New heterocyclic compounds with anti-tuberculosis activity based on multicomponent reactions	77



152.	2023.03/0042	Angelsky Oleg V.	Yuriy Fedkovich Chernivtsi National University	Correlation and singular optics as the latest tools to diagnose and study of micro- and nano-sized systems	76,7
153.	2023.03/0037	Patrylak Lyubov Kazymyryvna	V.P.Kukhar Institute of Bioorganic Chemistry and Petrochemistry of National Academy of Sciences of Ukraine	New bifunctional zeolite-containing materials based on Ukrainian raw materials as sorbents and catalysts for "green" chemistry	76,4
154.	2023.03/0056	Skrylnyk Yevhen (Ievhen) Volodymyrovych	National Scientific Center «Institute for Soil Science and Agrochemistry Research named after O.N. Sokolovsky»	Comprehensive monitoring and verification of organic carbon in chernozems of Ukraine for sustainable soil management	76
155.	2023.03/0014	Kondratenko Ihor Petrovych	Institute of Electrodynamics National Academy of Sciences of Ukraine	High-voltage source for the generation of pulsed atmospheric pressure barrier discharge in the water purification technologies and structural steel strengthening	75,5
156.	2023.03/0062	Avdeeva Liliya Vasylivna	D. K. Zabolotny Institute of Microbiology and Virology NAS of Ukraine	Development of nanocomposite materials based on microbial biopolymers for the treatment of wound surfaces	75,2
157.	2023.03/0241	Vasiutynskyi Vadym Oleksandrovych	Institute for Social and Political Psychology	Social and Psychological Means of Achieving Intra-Ukrainian Understandings in War and Post-War Times	75,1
158.	2023.03/0124	Bondar Anatolii Adolfovyh	Frantsevich Institute for Problems of Material Sciences NAS of Ukraine	Creation of heat-resistant materials based on multicomponent bcc solid solutions of transition metals of groups IV–VI of Periodic table for use in aerospace and nuclear engineering	75,1
159.	2023.03/0164	Soloviy Ihor Pavlovych	Ukrainian National Forestry University	Economics of forest ecosystem services: methodology and decision-making toolkit for sustainable development	75
160.	2023.03/0066	Rizun Volodymyr Volodymyrovych	Taras Shevchenko National University of Kyiv	Influence of Positive and Negative Media Messages on Psychophysiological Reactions in Individuals with Different Typological Characteristics under Stressful Events	74,6
161.	2023.03/0017	Bulyk Nataliya Mykhailivna	I. Krypiakevych Institute of Ukrainian Studies of the NAS of Ukraine	Adaptation of the ancient population of the west of Ukraine to global challenges: the archaeological context	74,5
162.	2023.03/0195	Dunayev Igor Volodymyrovych	V.N. Karazin Kharkiv national university	Creating a methodology of public governance of social engineering advancing based on digital platforms in post-war Ukraine	73,9
163.	2023.03/0183	Nesrenko Oksana Oleksandrivna	V.N. Karazin Kharkiv National University	Business transformation in the context of martial law and post-war reconstruction for a sustainable future: information and communication aspect	73,8

164.	2023.03/0184	Borzenko Olena Olexandrovna	State institution "Institute of Economics and Forecasting of the National Academy of Sciences of Ukraine"	Financial mechanisms of resilient innovative development of the Ukrainian economy in terms of global challenges	73,8
165.	2023.03/0191	Sukhatskyi Yurii Viktorovych	Lviv Polytechnic National University	Fundamentals of advanced cavitation-catalytic technologies for purifying aqueous media from azines using environmentally friendly per- and peroxo-reagents"	73,7
166.	2023.03/0023	Belokon Yuriy Oleksandrovich	Zaporizhzhia National University	Formation of predicted structures and physico- chemical properties of intermetallic catalysts of gas-purifying systems	72,8
167.	2023.03/0106	Zakharchuk Oleksandr Vasylovych	National Scientific Center "Institute of Agrarian Economics"	Formation of a competitive system for the production of seeds of national selection to ensure food security of the country in the conditions of war and post-war recovery	71,6
168.	2023.03/0221	Kolybo Denys V.	Palladin Institute of Biochemistry of the NAS of Ukraine	Modulation of Tumor Microenvironment and Immune Response via HB-EGF Targeting.	71,4
169.	2023.03/0031	Shevchenko Volodymyr Georgiyovych	M.S. Poliakov Institute of Geotechnical Mechanics of the National Academy of Sciences of Ukraine	Development of energy- and resource-saving methods and ways of obtaining hydrogen and lithium from hydrocarbon-containing raw materials of mines	71,3
170.	2023.03/0082	Palchykov Vitalii Oleksandrovych	Oles Honchar Dnipro National University	Scientific approaches to the creation of novel azaheterocyclic derivatives with polyfunctional properties	71
171.	2023.03/0010	Mys Oksana Grygorivna	O.G. Vlokh Institute of Physical Optics	New phenomena of acousto-optics in external fields	70,9
172.	2023.03/0211	Dorogovtsev Andrey Anatolievich	Institute of Mathematics of NAS of Ukraine	Regular structures in complicated stochastic systems	70,5
173.	2023.03/0145	Sybirna Nataliia Olexandrivna	Ivan Franko National University of Lviv	Nucleic acids methylation as a mechanism of epigenetic regulation of the diabetes mellitus development	70,5
174.	2023.03/0055	Mishchenko Volodymyr Ivanovych	State organization "Institute for Economics and Forecasting of National Academy of Science of Ukraine"	Regulation of implementation and use of artificial intelligence systems to ensure competitiveness of Ukraine	70,5
175.	2023.03/0001	Fotina Hanna Anatoliyivna	Sumy National Agrarian University	Development of the Concept of Biological Threat Control during Wartime and Post-War Period: National Security, Agrosphere Restoration, Sustainable Development	69,3

176.	2023.03/0030	Sencha-Hlevatska Kateryna Vasylivna	Chuiko Institute of Surface Chemistry	Graphene-based multi-target therapy for the treatment of traumatic brain injury	66,8
177.	2023.03/0045	Krysachenko Valentin Semenovych	Research Institute of Ukrainian Studies	Strategies of humanitarian development of Ukraine in conditions of national resistance to Russian aggression: European integration priorities	66,2
178.	2023.03/0051	Kublanovsky Valeriy Semenovich	V. I. Vernadsky Institute of General and Inorganic Chemistry of the NAS of Ukraine	Fundamental principles of Electrochemical synthesis of multicomponent multifunctional alloys enhanced with Rhenium	66
179.	2023.03/0204	Karpenko Oresta Yevhenivna	Drohobych Ivan Franko State Pedagogical University	The quality of pedagogical staff training in Ukraine: challenges and prospects	65,7
180.	2023.03/0142	Butenko Andrii Oleksandrovych	Sumy National Agrarian University	Restoration of soil disturbed by military operations using elements of organic production and taking into account climate changes.	62,9
181.	2023.03/0081	Makarenko Iryna Borysivna	S. Subbotin Institute of the Geophysics National Academy of Sciences of Ukraine	Application of the multiparametric geophysical approach in the study of endogenic lithospheric processes of geological structures of Ukraine	62,1
182.	2023.03/0185	Koval Tetiana Ihorivna	Poltava State Medical University	Study of stress-induced disorders in immune system as a cause of reactivation of herpesvirus infections in individuals influenced by the war in Ukraine	60,7
183.	2023.03/0105	Kovalchuk Volodymyr Pavlovych	Institute of Water Problems and Land Reclamation of the National Academy of Agrarian Sciences of Ukraine	Scientific foundations, theory and methods of integrated management for water regeneration, risk-free water use and ecological rehabilitation of River Basins.	59,8
184.	2023.03/0148	Zelya Avrelia Gheorghiiivna	Ukrainian science-research station plant quarantine Institute of Plant Protection National Academy of Agrarian Sciences	Bioecological grounding __measures quarantine organism potato wart Synchytrium endobioticum (Schilbersky) Percival for their decrease spread in Ukraine in terms of global climatic changes.	59,7
185.	2023.03/0067	Savchuk Oleksiy Mykolayovych	Taras Shevchenko National University of Kyiv	Mechanisms of peptidome involvement in the development of muscle dysfunction under vascular pathology and the antagonistic effect of C60 fullerene nanoparticles	59,7
186.	2023.03/0115	Ryazanov Vladimir I.	Institute of Applied Mathematics and Mechanics of NAS of Ukraine	Development of complex methods in applied problems of mathematical physics	59,2
187.	2023.03/0154	Ponomarova Nataliia Olexandrivna	H.S. Skovoroda Kharkiv National Pedagogical University	Artificial intelligence in the of the educational process modelling: training of teachers of NUS	58,2

188.	2023.03/0203	Kurdish Ivan Kyrylovych	Zabolotny Institute of Microbiology and Virology, NAS of Ukraine	INCREASE OF PRODUCTIVITY OF ORGANIC PLANT FARMING AND HEALTHY PHYTOSPHERE USING NANOCOMPOSITE COMPLEX BACTERIAL PREPARATION AZOGRAN	54,9
------	--------------	----------------------------	---	---	------