Competition for grants in the priority area of RSF activities “Basic and Exploratory Scientific Research, Conducted by International Research Teams” (in cooperation with the National Natural Science Foundation of China - NSFC)

RSF Project Number	Russian PI	Russian Institution	Project Title	Chinese PI	Chinese Institution
25-41-00005	Kolesnikov, Pavel	Sobolev Institute of Mathematics of the Siberian Branch of the Russian Academy of Sciences	Non-associative algebraic structures and their applications	Sheng Y.	Department of Mathematics, Jilin University, Changchun, China
25-41-00044	Filaretov, Vladimir	Institution of Russian Academy of Sciences Institute of Automation and Control Processes, Far Eastern Branch, RAS	The Study of Efficient Graph Neural Networks for Complex Data Scenarios	De-Shuang Huang	Eastern Institute of Technology, Ningbo
25-41-00091	Oseledets, Ivan	Autonomous Non-Profit Organization for Higher Education "Skolkovo Institute of Science and Technology"	Enhancing the Robustness and Adversarial Resilience of Compressed Deep Neural Networks	Liu Y.	University of Electronic Science and Technology of Chin
25-42-00003	Oganessian, Yuri	International Intergovernmental Organization Joint Institute for Nuclear Research	Investigation of superheavy nuclei at the border of the "island of stability"	Huang M.X.	Institute of Modern Physics, Chinese Academy of Sciences
25-42-00011	Skobelev, Igor	National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)	Study on the Reaction Rate of Coulomb Excited Nuclear Isomeric States in Plasma Environment	Chen Liming	Shanghai Jiao Tong University

25-42-00018	Antonenko, Nikolai	International Intergovernmental Organization Joint Institute for Nuclear Research	Theoretical study of production and properties of heaviest nuclei	Zhou Shan-Gui	Institute of Theoretical Physics, Chinese Academy of Sciences
25-42-00028	Grigorenko, Elena	Space Research Institute of the RAS	Formation and dissipation of electron-scale magnetic structures in space plasmas	Fu H.	Beihang University
25-42-00053	Burkov, Alexander	Ioffe Institute	Uncovering evolution mechanism of Ge vacancies for stabilizing high performance GeTe based thermoelectrics	Tang X.	Wuhan University of Technology
25-42-00058	Stolyarov, Vasily	Moscow Institute of Physics and Technology	Phase engineering of two-dimensional ferroelectrics and superconductors and their physical properties	Zhou J	Пекинский политехнический институт (ППИ)
25-42-00083	Davydenko, Aleksandr	Far Eastern Federal University	High-Efficiency Spin-Orbit Torque Driven Magnetization Switching in Magnetic Nanoheterostructures for Field-Free SOT-MRAM and Computing-in-Memory Devices	Wan C.H.	Institute of Physics Chinese Academy of Sciences
25-42-00093	Yudin, Valeriy	Novosibirsk State University	New methods of precision laser spectroscopy in atomic interferometry	Zhou Lin	Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences
25-42-00100	Palashov, Oleg	Federal Research Center Institute of Applied Physics of the Russian Academy of Sciences	Advanced optical materials for lasers with simultaneously high average and peak powe	Su L.	Shanghai Institute of Ceramics, Chinese Academy of Sciences
25-42-00116	Soldatov, Mikhail	Southern Federal University	In-situ synchrotron radiation study on the modulation mechanism of multi-electron oxygen reduction reactions.	Liu Q.	University of Science and Technology of China
25-43-00006	Kolokolov, Daniil	Federal Research Center Boreskov Institute of Catalysis	Solid-state deuterium NMR studies of dynamic responsive peptide-based porous materials for hydrocarbon separations	Lan Ya-Qian	South China Normal University
25-43-00007	Drozhzhin, Oleg	Federal State Budgetary Educational Institution of Higher Education	Long lifespan sodium-ion batteries operating in wide temperature range	F. Li	College of Chemistry, Nankai University, Tianjin 300071, China

		Lomonosov Moscow State University			
25-43-00051	Gordeeva, Larisa	Federal Research Center Boreskov Institute of Catalysis	Study on mechanism of solar-driven electricity-water-hydrogen cogeneration cycle based on atmospheric water harvesting and water electrolysis	Ge T.	Shanghai Jiao Tong University
25-43-00052	Kalmykov, Stepan	Federal State Budgetary Educational Institution of Higher Education Lomonosov Moscow State University	Dispersion pathway and driven force of radioactive pollution discharged from the Fukushima in the China Seas and Japan Sea	Keliang Shi	School of Nuclear Science and Technology, Lanzhou University
25-43-00072	Sivaev, Igor	A.N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences	Design, synthesis and applications of novel boron cluster-based luminescent materials	Yan H.	Nanjing University
25-43-00096	Tarasov, Alexey	Federal State Budgetary Educational Institution of Higher Education Lomonosov Moscow State University	X-ray imaging using heterostructures based on hybrid halides	Chen Qi	Advanced Research Institute of Multidisciplinary Sciences of Beijing Institute of Technology
25-43-00107	Blank, Vladimir	Federal State Budgetary Institution "Technological Institute for Superhard and Novel Carbon Materials"	New architecture of superhard materials synthesized by thermobaric treatment of carbon nanostructures	Yao M.	State Key Laboratory of Superhard Materials, College of Physics, Jilin University, Changchun City, China
25-43-00125	Karasik, Andrey	Federal State Budgetary Institution of Science "Kazan Scientific Center of Russian Academy of Sciences"	Electroluminescent copper(I) heteroleptic complexes based on cyclic diphosphine and diimine ligands for new-generation higj-performance OLEDs.	Xu H.	School of Chemistry and Materials, Heilongjiang University

25-43-00127	Shifrina, Zinaida	A.N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences	The construction of multifunctional Janus dendrimers for precise chemo-photothermal cancer therapy	Yin M.	Beijing University of Chemical Technology
25-43-00131	Sinyashin, Oleg	Federal State Budgetary Institution of Science "Kazan Scientific Center of Russian Academy of Sciences"	Design of highly efficient materials for catalytic dry reforming of natural gas using concentrated solar energy	Zhou Ying	School of New Energy and Materials, Southwest Petroleum University
25-43-00148	Rempel, Andrey	Federal State Budget Institution of Science Institute of Metallurgy of Ural Branch of Russian Academy of Sciences (IMET UB RAS)	Synthesis, structure and strength properties of refractory high entropy alloys	Lu, Zhaoping	University of Science and Technology Beijing, P. R. China
25-43-00162	Aldoshin, Sergey	Federal Research Center of Problems of Chemical Physics and Medicinal Chemistry Russian Academy of Sciences	Smart passivator approach: the key to reaching record-high efficiency and stability of perovskite solar cells	C. Wei	Хуачжунский университет науки и технологий
25-47-00020	Strom, Alexander	Russian state geological prospecting university	Formation mechanism and hazard prediction of strong earthquake-induced landslides in China-Russia tectonically active regions	Fan Xuanmei	The State Key Laboratory of Geohazard Prevention and Geoenvironment Protection, Chengdu University of Technology
25-47-00022	Shamov, Vladimir	Pacific Geographical Institute Far Eastern Branch of Russian Academy of Sciences	Hydrological regime evolution and its ecological effects in Xingkai/Khanka Lake under changing environment: a comprehensive study of the Sino-Russia transboundary basin-lake system	Zou Y.	Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences
25-47-00030	Chubarenko, Irina		Aging and fragmentation of plastic wastes on marine beaches across latitudes	Shi H.	East China Normal University

		P.P.Shirshov Institute of Oceanology of Russian Academy of Science			
25-47-00051	Yudovskaya, Marina	The Organization of Russian Academy of Sciences Institute of Geology of Ore Deposits, Petrography, Mineralogy and Geochemistry Russian Academy of Sciences	Key factors controlling magmatic platinum metal mineralization	Zhou M-F	Institute of Geochemistry, Chinese Academy of Sciences, Guiyang 550081, China
25-47-00056	Pozdniakov, Sergey	Federal State Budgetary Educational Institution of Higher Education Lomonosov Moscow State University	Surface-groundwater interactions and water resource availability in the Northern Hemisphere under a changing climate: From mid-latitude dry to high-latitude permafrost-influenced wet basins	Wang Ping	Институт Географических Наук и Природных Ресуросов Китайской Акадеии Наук
25-47-00065	Kravchenko, Irina	Federal State Institution "Federal Research Centre "Fundamentals of Biotechnology" of the Russian Academy of Sciences"	Microbial-mediated mechanisms of soil organic carbon stabilization in Central Russia and Northeastern China under varying land use.	Li Hui	Institute of Applied Ecology, Chinese Academy of Sciences
25-47-00073	Safonov, Oleg	Institute of Experimental Mineralogy, Russian Academy of Science	Role of fluids in high-grade metamorphism and granite magma formation in collision orogens of different age	Gao X.-Y.	School of Earth and Space Sciences, University of Science and Technology of China
25-47-00074	Tishkov, Arkadiy	Institute of Geography of the Russian Academy of Sciences	Threats of Mercury Pollution to Migratory Birds along the flyways between Russia and China	Zhangwei WANG	Research Center of ECO-Environmental Sciences, Chinese Academy of Science
25-47-00098	Stanchits, Sergey	Autonomous Non-Profit Organization for Higher Education "Skolkovo Institute of Science and Technology"	Investigation of Hydraulic Fracturing Mechanisms in Geothermal Reservoirs and Methods to Increase its Efficiency through CO2-based Fluid Injection	Wang, H.	China University of Petroleum Beijing (CUPB)

25-47-00104	Gnatiuk, Natalia	Scientific Foundation "Nansen International Environmental and Remote Sensing Centre"	Co-variability in extreme drought/flood events between China and Russia and the roles of the mid-high latitude ocean-sea ice-atmosphere interaction	Chen H.	Institute of Atmospheric Physics, Chinese Academy of Sciences
25-47-00116	Vetrov, Eugene	V.S. Sobolev Institute of Geology and Mineralogy, Siberian branch of Russian Academy of Sciences	The late Cenozoic erosion and weathering of the Altai-Sayan Mountain	Li G.	Nanjing University
25-47-00122	Koval, Andrey	Federal State Budgetary Educational Institution of Higher Education "Saint-Petersburg State University"	Vertical coupling in the middle-lower atmosphere in changing climate and its relationship with cold anomalies in the Eurasian region	Wei K.	Institute of Atmospheric Physics of Chinese Academy of Sciences
25-47-00153	Bragin, Ivan	Far East Geological Institute	Formation Mechanisms and Component Sources of Thermal Waters in Different Tectonic Settings: A Study Based on Typical Active Examples in Asia	Wang G.	China University of Geosciences, Beijing
25-49-00002	Yatsenko, Elena	Federal State Budgetary Educational Institution of Higher Education "M.I.Platov South-Russian State Polytechnic University (NPI)"	Fundamentals of amorphisized inorganic coatings modification with advanced adhesion, thermal conductivity and corrosion behavior for energy infrastructure objects	Li W.	Northwest Normal University
25-49-00039	Akishev, Yuri	Stock Company "State Research Center of Russian Federation Troitsk Institute for Innovation and Fusion Research"	Research on streamer discharges in transverse magnetic field and using their plasmas for conversion of CO2 and N2 into high-value chemicals	Zhang S.	Institute of Electrical Engineering, Chinese Academy of Sciences

25-49-00071	Tolstoy, Valeri	Federal State Budgetary Educational Institution of Higher Education "Saint-Petersburg State University"	Hierarchical Plasmonic Nanoarrays for Green Hydrogen-Mediated Synergistic Photothermal-Photochemical CO_2 Catalysis	He L.	Institute of Functional Nano & Soft Materials Soochow University
25-49-00072	Anuchin, Alecksey	National Research University "Moscow Power Engineering Institute"	High-reliable Electric Drives Design and Fault-tolerant Control for Green Energy, Industrial, and Propulsion Drive Systems Using Magnet-free Switched Reluctance Machines	Chen H.	China University of Mining and Technology
25-49-00089	Safonov, Aleksandr	Autonomous Non-Profit Organization for Higher Education "Skolkovo Institute of Science and Technology"	Pultrusion Process Theory and Property Enhancement of Continuous Fiber Reinforced Thermoplastic Composite Materials	Xian G.	Harbin Institute of Technology
25-49-00103	Kolobov, Alexander	The Herzen State Pedagogical University of Russia	Multi-field structure control of neuromorphic chalcogenide phase change films and devices	Cheng, Yan	East China Normal University
25-49-00133	Pavlenko, Aleksandr	Kutateladze Institute of Thermophysics of the Siberian Branch of the Russian Academy of Sciences	Analytical, numerical and experimental study of heat and mass transfer on micro- and nanoscale modified surfaces during boiling under various hydrodynamic conditions.	Wang Q.W.	Xi'an Jiaotong University.
25-49-00154	Savel'ev, Andrey	Federal State Budgetary Educational Institution of Higher Education Lomonosov Moscow State University	Femtosecond laser filamenation for free space remote diagnostics and control	Liu W.	The Institute of Modern Optics of Nankai University
25-49-00169	Remnev, Gennady	National Research Tomsk Polytechnic University	Interaction of high-entropy alloys with high-intensity ion fluxes	Mei X.	Dalian University of Technology

25-49-00208	Lazarev, Vladimir	Bauman Moscow State Technical University	Hollow-core-fiber-based optical manipulation and infrared spectroscopy technology for rapid identification of organic compounds in aerosol	Xie Shangran	Beijing Institute of Technology
25-49-00217	Nikonenko, Victor	Kuban State University	Recovery of lithium from natural brines by a new hybrid electrobaromembrane method with a combination of selective electrodialysis and countercurrent electromigration	Xu T.	University of Science and Technology of China
25-49-00221	Sheremet, Mikhail	Tomsk State University	The Research on Hybrid Solar-Geothermal Energy Storage System and its Low-Power Multivariate Ventilation Coupling Benefits in Typical Climates of Russia and China	Zhao Fu-Yun	Wuhan University
25-49-00232	Khorov, Evgeny	Institute for Information Transmission Problems of the Russian Academy of Sciences (Kharkevich Institute)	Development of H-MIMO for future wireless communications	L. Kong	Shanghai Jiao Tong University
25-49-00233	Markovich, Dmitriy	Kutateladze Institute of Thermophysics of the Siberian Branch of the Russian Academy of Sciences	Investigation on outer-field enhancement and pollutant control of ammonia bi-directional swirling combustion for gas turbine applications	Li Y.	Shanghai Jiao Tong University