

INSF - NSFC Call Results

	Application No.	Title	Iranian PI Affiliation	Chinese PI Affiliation	Call Year
1	4001987	Thermo-active Macrophage Polarizing Microneedles with Dual-patterned In-Skin Solubility Feature to Treat Autoimmune Diseases	Zanjan University of Medical Sciences	Beijing University of Chemical Technology	2021-2022
2	4002096	Research on Circularly Polarized Luminescent Materials and Electroluminescence Properties Based on Molecular Chiral Assembly of Phosphorescent Pt(II) Complex induced by Chiral Groups	Shahid Beheshti University	Xi'an Jiaotong University	2021-2022
3	4002006	Using genomic and ecological methodologies to investigate the evolution of parental care across populations of Remiz genus	Ferdowsi University of Mashhad	Beijing Normal University,	2021-2022
4	4001872	Evaluation of the virosomal vector efficiency for dm6ACRISPR targeted delivery in cellular and animal models	Kerman University of Medical Sciences	Sun Yat-sen University	2021-2022
5	4001990	Characterization of important Puccinia striiformis effectors targeting host nucleus for developing wheat plants with a broad-spectrum resistance to rust disease	Agricultural and natural resource research and education center of Golestan Province	Northwest A&F University	2021-2022
6	4001381	Investigation of plant-microbe interactions within the pioneer plant Miscanthus sinensis inhabiting mine tailings and the potential for bioremediation	Isfahan University of Technology	Guangdong Academy of Sciences	2021-2022
7	4001873	Mechanistic study of natural antioxidants (NAOs) on inhibiting the formation of free radicals and their impacts on oxidative stress related diseases (OSRD)	University of Tehran	School of Life Science, Henan University	2021-2022
8	4001694	All oxide-based wide bandgap semiconductor p-n heterojunctions for high-performance electronic device applications	Shahid Beheshti University	University of Science and Technology of China	2021-2022
9	4001458	The regional tree of life and mechanism of Spatio - temporal biodiversity in phytophagous mites	Azərbaycan Şahid Mədani University	Nanjing Agricultural University	2021-2022
10	4001105	Investigating the contents and function of extracellular vesicles (EVs) released by microbiota in pesticide-amended paddy soils: towards utilizing EVs as potential bioremediation tools of pesticides.	University of Tehran	Institute of Urban Environment, Chinese Academy of Sciences	2021-2022
11	4001390	Detection and molecular mechanism of pesticides resistance in field vegetables pests, Bemisia tabaci and Trialeurodes vaporariorum	Isfahan University of Technology	Chinese Academy of Agricultural Sciences	2021-2022
12	4001901	Some extremal problems concerning Ramsey and Turán numbers	Isfahan University of Technology	Nanjing University	2021-2022
13	4001703	Neural network mechanisms of addiction-related cues induced impulsivity: from computational modeling to closed-loop neuromodulation	shahid Beheshti University	Peking University	2021-2022
14	4001840	Grain refinement and reinforced mechanism of mg based nano-composites in ultrasonic vibration assisted severe plastic deformation processes to obtain a new light material	University of Tehran	University of Science and Technology Beijing	2021-2022
15	4001651	Phylogeny, taxonomy and spatio-temporal diversification of the species-rich genus Phlomis (Phlomisaceae; Lamiaceae) in the Old World	University of Tehran	Chinese Academy of Sciences	2021-2022

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16	4001885	Analysis in Nonlinear Partial Differential Equations	Sharif University of Technology	Shanghai Jiao Tong University	2021-2022
17	4000568	Cordierite-based millimeter-wave dielectric ceramics and its integrating design of 5G/6G prototype filter	Haeri University of Meybod	Hangzhou Dianzi University	2021-2022
18	4001541	Dopant-free Hole-transport Materials for Highly efficient and Stable Carbon-based Perovskite Solar Cells	Sharif University of Technology	Dalian University of Technology	2021-2022
19	4001153	Selectivity controlling of NOx gas-solid photocatalytic reactions through engineering efficient active sites at the atomic/molecular level over 2D Ti-based perovskite nanomaterials	University of Maragheh	Shaanxi University of Science and Technology	2021-2022
20	4001793	Synthesis of carbon-polymer composite fibers with photothermal and conductive properties for solar-enabled seawater desalination	K. N. Toosi University of Technology	Donghua University	2021-2022
21	4001845	Partially Hyperbolic Dynamics form geometric and probabilistic viewpoints	IPM - Institute for Research in Fundamental Sciences	Peking University	2021-2022
22	4001399	In-situ characterization on crystallization and rational design of zeolites and its application for cracking of plastic wastes into chemicals	Chemistry and Chemical Engineering Research Center of Iran	Institute of Metal Research- Chinese Academy of Sciences	2021-2022
23	4000580	Study on the methods and mechanisms of design of nanotubular halloysite-bimetallic nanohybrid materials for high-efficiency catalytic synthesis of furan-based biofuels	Iran Polymer and Petrochemical Institute	Chinese Academy of Sciences (CAS)	2021-2022
24	4000655	Diversity, bioactive compounds, and biogeography of wood-inhabiting and medicinal macrofungi from western China to Iran	Iranian Research Organization for Science and Technology (IROST)	Beijing Forestry University	2021-2022
25	4001281	Designing Antibacterial and Anti-inflammatory Multifunctional Polymeric Frameworks and their Applications in Ultrasound-Mediated Theranostics for Defectory Wounds	»,	Sichuan University	2021-2022
26	4001480	Lie Theory and Representation Theory of Algebras	University of Isfahan	Xiamen University	2021-2022
27	4001289	Genome-assisted Discovery of Sesquiterpenes Biosynthesis from Ferula Species, Their Bioengineering Production and anti-Pancreatic Cancer Activity	University of Tehran	Lanzhou Institute of Chemical Physics (LICP), Chinese Academy of Sciences (CAS)	2021-2022
28	4013097	Seasonal Prediction of Agriculture Drought Risk for Iran based on Statistical (Machine Learning) - Dynamical Climate Model	University of Sistan and Baluchestan	Beijing Normal University	2022-2023
29	4013037	Mechanisms and Associated Functional Properties of Amyloid Fibrils-Mediated Food Protein Aggregation and Gelation	Research Institute of Food Science and Technology	Shanghai Jiao Tong University	2022-2023
30	4013040	Self-quenching-resistant carbon nanodots achieved via two-dimensional bimetallic hydroxide confinement effect and their application in electroluminescent devices	Ilam University	Zhengzhou University	2022-2023

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31	4012713	Characterization, hydrological functioning, and modelling of karst aquifer critical zones in response to climate change (a comparative study on the Zagros region, Iran and Karst plateau SW China)	Shiraz University	Institute of Geochemistry, Chinese Academy of Science	2022-2023
32	4012711	Multi-polarization Terahertz Wave Generation and Enhancement based on Two-dimensional Materials and Metamaterials with Applications in Chiral Sensing	Univerversity of Tehran	Northwest University	2022-2023
33	4013086	Metabolic engineering of yeast for the production of green natural chemicals of mevalonate pathway via synthetic biology tools	Tarbiat Modares University	Beijing University of Chemical Technology	2022-2023
34	4012973	Holocene climate-environmental changes in northern Iran and their impacts	Iranian National Institute for Oceanography and Atmospheric Sciences	Lanzhou University	2022-2023
35	4012817	Multi-sphere interaction and metal enrichment of the Zagros collisional belt, Iran	Payame Noor University	Chinese Academy of Geological Sciences	2022-2023
36	4012970	Metamorphic sole of the Zagros ophiolites and the subduction initiation of the Neo-Tethys Ocean in Iran	University of Zanjan	Institute of geology and Geophysics, Chinese Academy of Sciences	2022-2023
37	4012775	Extreme non-equilibrium synthesis of defect-rich & heavily doped non-metal plasmonic nanomaterials and their self-enhanced photocatalytic properties	University of Tehran	Northwestern Polytechnical University	2022-2023
38	4006320	The environmental backdrop leading to the end-Permian mass extinction and the Early Triassic delayed biotic recovery: Evidence from Iran and South China	University of Sistan and Baluchestan	Nanjing University	2022-2023
39	4006310	High Performance Polyolefin Nano-composites	Iran Polymer and Petrochemical Institute	University of Science and Technology of China	2022-2023
40	4021590	Degradation of indoor VOCs with low concentrations by ozone and water dual activation at room temperature	Iran University of Science and Technology	Central China Normal University	2023-2024
41	4021604	Drought variability and its influences on forest dynamics in Iran during past 1000 years	University of Tehran	Institute of Tibetan Plateau Research, Chinese Academy of Sciences	2023-2024
42	4021384	Human Immunosenescence Atlas Based on Single-cell Mass Cytometry	Kharazmi University	Shanghai Jiao Tong University	2023-2024
43	4021613	Targeted Diagnostic and Therapeutic Drug Delivery Strategies and Mechanistic Studies for Modulating Glutamine Metabolism and Immune Reprogramming in Lung Cancer	Sahand University of Technology	Fudan University	2023-2024
44	4021538	Basic research on advanced treatment of printing and dyeing wastewater with lignocellulose-derived functional biomaterial	Iranian Research Organization for Science and Technology	Jiangnan University	2023-2024
45	4021582	Dust Pollution Disaster Risk Reduction in Asia: Assessing Climate Change Drivers and Developing Effective Response Strategies Based on Impact Analysis	University of Tehran	Fudan University	2023-2024

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46	4021545	Rapid Detection Technologies and Instruments Development of Oil-Contaminated Water Based on Artificial Intelligence and Multispectral Analysis	Tarbiat Modares University	Beijing Institute of Petrochemical Technology	2023-2024
47	4021261	Developments of Nanochannel-Based Reverse Osmosis Membranes with 2D Materials for Wastewater Treatment	Shahid Rajaei Teacher Training University	Xi'an Jiaotong University	2023-2024
48	4021464	Construction of Inorganic Organic Composite S-scheme Photocatalyst for CO2 Reduction and Photocatalytic Mechanism	Sharif University of Technology	China University of Geosciences	2023-2024
49	4021278	In situ Characterization and Reaction Mechanism of Photocatalytic Synergistic NOx and CO2 Transformation for Resource Utilization	University of Isfahan	University of Electronic Science and Technology of China	2023-2024
50	4021444	Diagnosing the hydro-climatic consequences of ecological restoration projects under synergistic influence of climate and intense underlying surface change: A comparison between the Ordos Plateau and northwest Iran Plateau	Tabriz University	Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences	2023-2024
51	4021430	Impacts of climate change on air quality in mega-cities of Iran	University of Kurdistan	Xiamen University	2023-2024
52	4021328	Optimizing Morph-genetic Porous Carbon to Regulate Efficient Use of Soil and Water Resources in Sloping Farmland on the Loess Regions of China and Iran	Tarbiat Modares University	Institute of Soil and Water Conservation, Chinese Academy of Sciences	2023-2024
53	4021461	Climate changes and impacts on ecosystem in western and central Asia based on China and Iran multiple tree-ring parameters	University of Tehran	Institute of Earth Environment, Chinese Academy of Sciences	2023-2024
54	4034153	Development of novel perovskite-based photoelectrode materials and gas-diffusion photoelectrochemical devices for solar-driven high-value CO2 conversion	Tarbiat Modares University	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	2024-2025
55	4030906	Human inborn error of immunity-associated lymphomas-derived organoid cultures for disease model and immunotherapy applications	Shahid Beheshti University of Medical Sciences	Tianjin Medical University Cancer Institute and Hospital	2024-2025
56	4030741	Integrated Magnetomicrofluidic Single Cell Spectral Analyzers for High-Throughput Dynamic Phenotypic Stem Cell Study	Tarbiat Modares University	Shanghai Jiao Tong University Joint Institute	2024-2025
57	4030577	In-situ/operando dynamic studies on the structure and mechanism of highly efficient and stable iron-based bimetallic (hydr)oxide water oxidation electrocatalysts	Sharif University of Technology	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	2024-2025

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58	4030646	Novel integrated biorefining of sugarcane bagasse: synergistic mechanism of fractionation- conversion to advanced biobutanol and LCNF-reinforced packaging paper	University of Isfahan	Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy of Sciences	2024-2025
59	4030626	The in vivo spatio-temporal pattern of cardiac progenitor cell-derived extracellular vesicles by NIR-II fluorescence imaging	Royan Institute for Stem Cell Biology and Technology	Shanghai Jiao Tong University School of Medicine	2024-2025
60	4030712	Mechanism and regulation of coupled heat effects in electrically heated fluidized bed for propane dehydrogenation	University of Tehran	Tianjin University	2024-2025
61	4030835	Synergistic low-carbon removal of bio-refractory compounds and nitrogen from high ammonia refinery wastewater	Sahand University of Technology	Peking University	2024-2025
62	4030301	The Development of High-performance Self-assembled Monolayer Hole Transport Materials for Perovskite Optoelectronic Devices	University of Isfahan	Nanjing University of Science and Technology	2024-2025
63	4030055	Plasmonic hot carrier properties and photocatalytic reaction mechanism studied by ultrahigh temporal and spatial resolution spectroscopy	University of Tehran	Southern University of Science and Technology	2024-2025
64	4030081	Workshop: Assessment, Mitigation and Adaption: Ocean-Climate Change Dialogue between China and Iran	Iranian National Institute for Oceanography and Atmospheric Sciences	East China Normal University	2024-2025
65	4030841	Workshop: Emerging Technologies and Methods for Climate Resilience for Innovative Productive Solutions	Sharif University of Technology	Chongqing University	2024-2025
66	4030813	Workshop: Challenges of sustainable energy development and meeting net zero carbon emissions	Sharif University of Technology	Shandong University	2024-2025
67	4048364	Study on Silibinin-Loaded Nanoparticles Modulating the Immunosuppressive Microenvironment in Pancreatic Ductal Adenocarcinoma	Sharif University of Technology	Fudan University	2025-2026
68	4048643	Realizing the potential of durable and cost-effective polymer electrolyte membrane water electrolyzers (PEMWEs) based on novel crystal structure of precious group metals (PGM) catalysts with ultra-high atomic utilization	Shahid Beheshti University	Huazhong University of Science and Technology	2025-2026
69	4048740	Biodiversity Survey and Ecological Cultivation of Desert Medicinal Plant Cistanches Herba and Its Host Plants in China and Iran	Tarbiat Modres University	The Institute of Medicinal Plant Development	2025-2026
70	4048535	Study on combustion mechanism and pollutants control of ammonia-alcohol and ammonia-ether fuels under wide pressures	University of Tehran	Nanjing University of Science and Technology	2025-2026
71	4048713	Valorization of whole lignocellulosic biomass toward 100% fungible sustainable aviation fuels	Institute for Advanced Studies in Basic Sciences (IASBS)	Southeast University (SEU)	2025-2026