SELECTED GRANTS

DIVISION OF SYNTHETIC CHEMISTRY
— Organoelement Chemistry —

Mizuhata, Y.
Creation of Novel Conjugated Molecules with Heavy Phenyl Anions as Building Blocks
Grant-in-Aid for Scientific Research (B)
1 April 2018–31 March 2021

Yukimoto, M.
Creation of Tautomerizable Heavy Group14-16 Double Bonded Compounds
Grant-in-Aid for Early-Career Scientists
1 April 2019–31 March 2022

Tokitoh, N.
New Main Group Element Chemistry and Materials Science Based on Heavy Aryl Anions
Grant-in-Aid for Scientific Research (S)
26 June 2019–31 March 2024

Tokitoh, N.
Synthesis of Hexasilabenzene
Grant-in-Aid for Challenging Research (Pioneering)
28 June 2019–31 March 2022

— Structural Organic Chemistry —

Murata, Y.
Creation and Development of Nanoscale Laboratory
Grant-in-Aid for Scientific Research (S)
31 May 2017–31 March 2022

Hashikawa, Y.
Construction of Higher Order Structures Integrated by Precisely Arranged Hydroxy Groups in a 3D Manner
Grant-in-Aid for Scientific Research on Innovative Areas (Research in a Proposed Research Area)
1 April 2020–31 March 2022

Hirose, T.
Synthesis of π-Extended Helical Aromatic Molecules Towards Creation of Nobel Molecular Functions with Chirality
Grant-in-Aid for Scientific Research (C)
1 April 2018–31 March 2021

Hirose, T.
Creation of Multi-Dimensional Chiral Assemblies Based on pi-Expanded Helical Aromatic Ligands
Grant-in-Aid for Scientific Research on Innovative Areas (Research in a Proposed Research Area)
1 April 2019–31 March 2021

Zhang, S.
Creation of Expanded and Heteroatom-Embedded New Fullerenes
Grant-in-Aid for JSPS Fellows
11 October 2019–31 March 2022

Hashikawa, Y.
Creation of Carbon Nanocages toward Single Molecule Chemistry
Grant-in-Aid for Early-Career Scientists
1 April 2020–31 March 2022

Hirose, T.
Creation of Asymmetric Molecular Functions Based on the Precise Molecular Arrangements of Helical pi-Conjugated Compounds
PRESTO (Precursory Research for Embryonic Science and Technology), JST
1 December 2020–31 March 2024

— Synthetic Organic Chemistry —

Ueda, Y.
Catalytic Asymmetric Synthesis of Inherently Chiral Calixarenes and Its Application to Unique Molecular Recognition
Grant-in-Aid for Scientific Research (C)
1 April 2020–31 March 2023

Ueda, Y.
Sugar-Specific Chemical Transformation towards Diversification of Synthetic Sugar Library
Grant-in-Aid for Transformative Research Areas (B)
23 August 2021–31 March 2024

Kawabata, T.
Asymmetric Construction of Interlocked Molecules by Remote Asymmetric Induction
Grant-in-Aid for Scientific Research (B)
1 April 2021–31 March 2024

— Advanced Inorganic Synthesis —

Teranishi, T.
Novel Development of Asymmetry Chemistry in Inorganic Nanocrystals
Grant-in-Aid for Scientific Research on Innovative Areas (Research in a Proposed Research Area)
30 June 2016–31 March 2021

Sato, R.
Scientific Principles of Visible Plasmonic Nanoalloys
Grant-in-Aid for Scientific Research (B)
1 April 2018–31 March 2022

Abbreviations and acronyms

JST : Japan Science and Technology Agency
MEXT : Ministry of Education, Culture, Sports, Science and Technology
METI : Ministry of Economy, Trade and Industry
NEDO : New Energy and Industrial Technology Development Organization

Sakamoto, M.
Infrared Light Responsive Photocatalyst for Infrared Light to Energy Conversion
Grant-in-Aid for Scientific Research (B)
1 April 2018–31 March 2022

Liu, M.-H.
Fabrication of Visible-Light Driven Heterostructured Cu2O/Au/WO3 Photocatalyst for Water Splitting
Grant-in-Aid for JSPS Fellows
12 October 2018–31 March 2021

Teranishi, T.
Nanoscale Metallic Phase Science: Synthesis of Nanoparticles with Novel Metallic Phases and Development of Their Functions
Grant-in-Aid for Scientific Research (A)
1 April 2019–31 March 2022

Trinh, T.
Evolution of New Magnetic Materials with Ultrahigh Coercivity
Grant-in-Aid for Early-Career Scientists
1 April 2019–31 March 2022

Teranishi, T.
Nanoscale Element Replacement Science: Structural Transformation of Nanocrystalline Phases and Development of Novel Functions
Grant-in-Aid for Scientific Research (S)
26 June 2019–31 March 2024

Teranishi, T.
Synthesis of Unprecedented Ordered Alloy Nanoparticles and Development of Their Structure-Specific Properties
Grant-in-Aid for Challenging Research (Exploratory)
28 June 2019–31 March 2021

Sakamoto, M.
Clear and Transparent Device for Infrared Light to Energy Conversion using Heavily Doped Semiconductor Nanocrystals
Grant-in-Aid for Challenging Research (Exploratory)
28 June 2019–31 March 2021

Saruyama, M.
Synthesis and Function of Versatile 3-Demensional Inorganic Nanocrystal Superlattice
Grant-in-Aid for Challenging Research (Exploratory)
30 July 2020–31 March 2023

Sakamoto, M.
Fabrication of Flexible Transparent Conductive Films using Nanocrystals
A-STEP (Adaptable and Seamless Technology Transfer Program through Target-Driven R&D), JST
1 December 2020–31 March 2023

Sakamoto, M.
Development of Transparent Solar Cells Converting Infrared Light
Fusion Oriented Research for Disruptive Science and Technology
1 January 2021–31 March 2023

Sakamoto, M.
Development of Energy Conversion System of Untapped Infrared Solar Light
Grant-in-Aid for Scientific Research (A)
5 April 2021–31 March 2026

Teranishi, T.
Creation of Unprecedented Nanomaterials by Arranging Atomic Layers and Crystal Phases
CREST (Core Research for Evolutionary Science and Technology), JST
1 October 2021–31 March 2027

DIVISION OF MATERIALS CHEMISTRY
— Chemistry of Polymer Materials —

Ohno, K.
Ordered Structure Formation in Polymer-Brush-Decorated-Particle/Liquid-Crystal Mixed System
Grant-in-Aid for Scientific Research (B)
1 April 2018–31 March 2021

Sakakibara, K.
Molecular Design of Polymer Dispersants for the Improvement of Toughness of Cellulose Nanofiber-Reinforced Resin Composite Materials
Grant-in-Aid for Scientific Research (C)
1 April 2019–31 March 2022

Tsujii, Y.
Development of High-Performance Sliding Components with Concentrated Polymer Brushes and Their Application to Machines
A-STEP (Adaptable and Seamless Technology Transfer Program through Target-Driven R&D), JST
1 December 2020–31 March 2025

Ohno, K.
Construction of Colloidal Crystals with Simple Cubic Lattice by Precisely Designed Polymer-Brush-Decorated Hybrid Particles
Grant-in-Aid for Scientific Research (B)
1 April 2021–31 March 2024

Tsujii, Y.
Hierarchical Understanding and Control of Wear Behavior of Ultralow-Friction Polymer Brushes
CREST (Core Research for Evolutionary Science and Technology), JST
1 October 2021–31 March 2027

— Polymer Controlled Synthesis —

Yamago, S.
New Organic Chemistry and Materials Science of Curved π-Conjugated Molecules
Grant-in-Aid for Scientific Research (S)
31 May 2016–31 March 2021

Yamago, S.
Development of Next-Generation Polymer Materials Based on Hyper-Branched Polymers with Controlled Structures
Grant-in-Aid for Scientific Research (S)
5 July 2021–31 March 2026

— Inorganic Photonics Materials —

Mizuochi, N.
Advanced Sensor System of Solid Quantum Sensor in Quantum Measurement and System Technology
OPERA (Program on Open Innovation Platform with Enterprises, Research Institute and Academia)
1 August 2018–31 March 2030

Mizuochi, N.
Creation of Innovative Sensor System by Advanced Control of Solid-State Quantum Sensor in Development of Quantum Measurement Sensing Technology
Q-LEAP (Quantum Leap Flagship Program), MEXT
1 November 2018–31 March 2028

Mizuochi, N.
Creation of Quantum Life Technology and Innovation in Medicine and Life Sciences
Q-LEAP (Quantum Leap Flagship Program), MEXT
31 August 2020–31 March 2030

— Nanospintronics —

Shiota, Y.
Control of Antiferromagneitc Spin Waves in Synthetic Antiferromagnets
Grant-in-Aid for Early-Career Scientists
1 April 2020–31 March 2022

Ono, T.
Ferrimagnetic Spintronics and Their Devices
Grant-in-Aid for Scientific Research (S)
31 August 2020–31 March 2025

Moriyama, T.
Spin Superfluid in Antiferromagnetic Thin Films
PRESTO (Precursory Research for Embryonic Science and Technology), JST
1 December 2020–31 March 2024

Narita, H.
Control of Superconductivity by Noncollinear Magnetism
Grant-in-Aid for Early-Career Scientists
1 April 2021–31 March 2024

Moriyama, T.
Antiferromagnetic THz Spintronics
Grant-in-Aid for Scientific Research (A)
5 April 2021–31 March 2024

Ono, T.
Development of 3D Magnetic Memory
CREST (Core Research for Evolutionary Science and Technology), JST
1 October 2021–31 March 2027

DIVISION OF BIOCHEMISTRY
— Biofunctional Design-Chemistry —

Futaki, S.
Intracellular Fate of Extracellular Fine Particles and the Control System
CREST (Core Research for Evolutionary Science and Technology), JST
1 October 2018–31 March 2024

Imanishi, M.
Control of RNA Modification for Antivirus Activities
Grant-in-Aid for Scientific Research (B)
1 April 2019–31 March 2022

Futaki, S.
Development of New Methods for in vivo Delivery of Antibodies to Intracellular Targets
Grant-in-Aid for Scientific Research (A)
5 April 2021–31 March 2024

— Chemistry of Molecular Biocatalysts —

Yamaguchi, S.
Molecular Mechanisms for the Timing of the Production of Stem Cells in Plants
Grant-in-Aid for Scientific Research on Innovative Areas (Research in a Proposed Research Area)
30 June 2017–31 March 2022

Mashiguchi, K.
Analysis of the Novel Enzymes Responsible for the Non-Canonical Strigolactone Biosynthesis
Grant-in-Aid for Scientific Research (B)
1 April 2019–31 March 2024

— Molecular Biology —

Kato, M.
Study of Phosphoinositides Involved in Pollen Germination
Grant-in-Aid for Scientific Research (C)
1 April 2021–31 March 2025

Aoyama, T.
Role of Phosphoinositide Signals in Plant Cell Morphogenesis
Grant-in-Aid for Scientific Research (B)
1 April 2021–31 March 2024

— Chemical Biology —

Uesugi, M.
Frontier Research on Chemical Communications
Grant-in-Aid for Scientific Research on Innovative Areas (Research in a Proposed Research Area)
30 June 2017–31 March 2022

Takemoto, Y.
Spatiotemporal Regulation of Protein Degradation by Small Molecule Compound and Light
Grant-in-Aid for Scientific Research (C)
1 April 2019–31 March 2022

Uesugi, M.
Asian Chemical Biology Initiative
Core-to-Core Program, JSPS
1 April 2019–31 March 2022

Uesugi, M.
Exploration of Self-Assembling Bioactive Small Molecules
Grant-in-Aid for Scientific Research (A)
1 April 2019–31 March 2022

Sato, S.
Understanding Cellular Function with Short RNAs and Small Molecules
Grant-in-Aid for Scientific Research (B)
1 April 2020–31 March 2023

Sato, S.
A New Oligonucleotide Therapeutics that Induces a Cooperative RNA G-Quadruplex Formation for Gene Silencing
Grant-in-Aid for Challenging Research (Pioneering)
9 July 2021–31 March 2025

Abo, M.
Development of Self-Assembling Chemicals which Have Chaperone Activity in Live Cells
Grant-in-Aid for Scientific Research (C)
1 April 2021–31 March 2024

Uesugi, M.
Self-Assembling Vaccine Adjuvants
A-STEP (Adaptable and Seamless Technology Transfer Program through Target-Driven R&D), JST
1 April 2021–31 March 2022

Uesugi, M.
Designer Melanin for Analyzing and Controlling Cells
Grant-in-Aid for Challenging Research (Exploratory)
9 July 2021–31 March 2023

Sato, S.
Development of Nucleic-Acid-Medicine Mechanisms by Staple Oligomer
AMED Research on Development of New Drugs
1 October 2021–31 March 2024

Takemoto, Y.
Elucidation of the Mechanism of Energy Metabolism by Vitamin D Lactone
Mishima Kaiun Memorial Foundation
1 September 2021–30 June 2022

Takemoto, Y.
Understanding and Application of Radical-Sensitive Peptide
Takeda Science Foundation
1 September 2021–31 May 2024

DIVISION OF ENVIROMENTAL CHEMISTRY
— Molecular Materials Chemistry —

Suzuki, K.
Structural Analysis of Organic Semiconducting Materials Using Solid-State NMR
Grant-in-Aid for Early-Career Scientists
1 April 2019–31 March 2022

Shizu, K.
Singlet Fission Materials by Engineering Inter-Exciton Vibronic Coupling
Grant-in-Aid for Scientific Research (C)
1 April 2019–31 March 2022

Kaji, H.
Material Design Based on Dynamic Excition and Their Applications
Grant-in-Aid for Transformative Research Areas (A)
19 November 2020–31 March 2025

Suzuki, K.
Spatiotemporal Analysis of Dynamic Exciton by Solid-State NMR
Grant-in-Aid for Transformative Research Areas (A)
19 November 2020–31 March 2025

— Hydrospheric Environment Analytical Chemistry —

Takano, S.
Isotopic Analysis for Estimating the Sources of Particulate Trace Metals in the Ocean
Grant-in-Aid for Early-Career Scientists
1 April 2020–31 March 2023

Zheng, L.
Speciation and Sectional Distribution of Al, Mn, Fe, Co, Ni, Cu, Zn, Cd, and Pb in the South Pacific and Indian Oceans
Grant-in-Aid for Early-Career Scientists
1 April 2021–31 March 2024

Sohrin, Y.
Ocean Section Study on the Basis of Stoichiometry and Stable Isotope Ratio of Trace Metals
Grant-in-Aid for Scientific Research (A)
1 April 2019–31 March 2023

— Chemistry for Functionalized Surfaces —

Shioya, N.
Development of Multiple-Angle Incidence Resolution Reflection Spectrometry and Its Application to Organic Thin-Film Devices
Grant-in-Aid for Early-Career Scientists
1 April 2019–31 March 2022

Hasegawa, T.
Development of Property Control of Polymer Thin Materials by Analyzing Minute Morphology of Amorphous Parts
Grant-in-Aid for Challenging Research (Exploratory)
9 July 2021–31 March 2024

— Molecular Microbial Science —

Ogawa, T.
Exploration and Functional Elucidation of a Novel Protein Involved in the Metabolism of ω-3 Polyunsaturated Fatty Acids in Bacteria
Grant-in-Aid for Early-Career Scientists
1 April 2019–31 March 2021

Kawamoto, J.
A Novel Platform for Functional Nanoparticle -the Synthesis Mechanism of Unique Outer-Membrane Vesicles of Bacteria and Its Application-
Grant-in-Aid for Scientific Research (C)
1 April 2020–31 March 2023

Kurihara, T.
Dissection of the Molecular Basis of Membrane Vesicle Biogenesis and Construction of an Extracellular Platform for Substance Production by Using a Hyper-Vesiculating Bacterium
Grant-in-Aid for Challenging Research (Pioneering)
30 July 2020–31 March 2023

Kurihara, T.
Molecular Basis for Generation of the Diversity of Bacterial Membrane Phospholipid Acyl Chains and Mechanisms Underlying their Physiological Functions
Grant-in-Aid for Scientific Research (B)
1 April 2021–31 March 2024

Kurihara, T.
Diversity of Acyl Groups of Phospholipids in Bacterial Cell Membranes: Its Generation Mechanism and Physiological Significance
Grant-in-Aid for Scientific Research (B)
1 April 2018–31 March 2021

Ogawa, T.
Research on the Metabolic Conversion of ω-3 Polyunsaturated Fatty Acids through Reconsideration of β-Oxidation Pathway
Grant-in-Aid for Scientific Research (C)
1 April 2021–31 March 2024

DIVISION OF MULTIDISCIPLINARY CHEMISTRY
— Polymer Materials Science —

Takenaka, M.
4D Analysis of Grazing Incidence Scattering for Investigation of Adhesion Process at Adhesive Interface
Mirai Program, JST
1 November 2018–31 March 2022

Ogawa, H.
Development of Multibeam Optics for Scanning CT
CREST (Core Research for Evolutionary Science and Technology), JST
1 April 2021–31 March 2022

— Molecular Rheology —

Sato, T
Development of Coarse-Grained Molecular Model for Predicting Dynamics of Entangled Associating Polymers
Grant-in-Aid for Early-Career Scientists
1 April 2021–31 March 2024

Watanabe, H.
Unified Understanding of Polymer Dynamics under Elongational and Shear Flow
Grant-in-Aid for Scientific Research (B)
1 April 2019–31 March 2022

Matsumiya, Y.
Molecular Dynamics Theory and Its Experimental Validation for Associative Polymers: Effect of Dissociative Equilibrium on Entanglement Relaxation Modes
Grant-in-Aid for Scientific Research (B)
1 April 2021–31 March 2024

— Molecular Aggregation Analysis —

Wakamiya, A.
Development of High Performance and Environmentally Friendly Perovskite Type Solar Cells
ALCA(Advanced Low Carbon Technology Research and Development Program), JST
1 April 2016–31 March 2021

Truong, M. A.
Efficient Perovskite Solar Cells Based on Development of Transparent Organic Semiconductors
Grant-in-Aid for JSPS Fellows
12 October 2018–31 March 2021

Murdey, R.
Aging and Passivation Effects in Perovskite Solar Cells
Grant-in-Aid for Scientific Research (C)
1 April 2019–31 March 2022

Nakamura, T.
Emissive Perovskite Materials for Blue Electroluminescence Devices
Grant-in-Aid for Research Activity Start-up
30 August 2019–31 March 2021

Truong, M. A.
Development of Charge Collecting Materials for High Performance Sn-based Perovskite Solar Cells
Grant-in-Aid for Research Activity Start-up
11 September 2020–31 March 2022

Nakamura, T.
Two-Dimensionally Expanded pi-Systems for Efficient Tin-Based Perovskite Solar Cells
Grant-in-Aid for Early-Career Scientists
1 April 2021–31 March 2023

Wakamiya, A.
Fundamental Chemical Research for Efficient Pb Free Perovskite Solar Cells
Grant-in-Aid for Scientific Research (A)
5 April 2021–31 March 2024

ADVANCED RESEARCH CENTER FOR BEAM SCIENCE
— Particle Beam Science —

Ogawara, R.
Development of Prototype Device for Ion Extraction System with Resonant Oscillation
Grant-in-Aid for Early-Career Scientists
1 April 2020–31 March 2022

Tsukada, K.
Isotope Dependences of Nuclear Charge Distributions and Neutron Radius by Electron Scattering
Grant-in-Aid for Scientific Research (A)
1 April 2020–31 March 2025

Wakasugi, M.
Development of Unstable Nuclear Target for Nuclear Reaction Study
Grant-in-Aid for Challenging Research (Pioneering)
1 April 2020–31 March 2022

— Electron Microscopy and Crystal Chemistry —

Kurata, H.
Advanced Characterization Nanotechnology Platform at Kyoto University
Nanotechnology Platform Project, MEXT
1 April 2012–31 March 2022

Haruta, M.
High Spatial and Energy Resolution Electronic State Mapping
Grant-in-Aid for Scientific Research (B)
1 April 2019–31 March 2022

Kurata, H.
Electronic Structure Analysis by Aloof Beam EELS
Grant-in-Aid for Challenging Research
28 June 2019–31 March 2022

INTERNATIONAL RESEARCH CENTER FOR ELEMENTS SCIENCE
— Synthetic Organotransformation —

Nakamura, M.
Application and Evaluation of Quantum Effect Control in Iron-Catalyzed Cross Coupling
Grant-in-Aid for Scientific Research (B)
1 April 2020–31 March 2023

Takaya, H.
Development of Metalated Peptide Artificial Enzymes for Utilizing Woody Biomass as Circulative Resource
Grant-in-Aid for Scientific Research (C)
1 April 2021–31 March 2024

— Advanced Solid State Chemistry —

Shimakawa, Y.
Solid State Chemistry of Transition Metal Oxides: Exploration of New Materials and Innovative Functions
Core-to-Core Program, JSPS
1 April 2016–31 March 2021

Shimakawa, Y.
High-Pressure Synthesis of Novel Transition Metal Oxides and Exploration of New Physical Properties
Grant-in-Aid for Scientific Research (A)
1 April 2020–31 March 2024

Shimakawa, Y.
Development of New Multi-Calorific Materials
Grant-in-Aid for Challenging Research (Pioneering)
30 July 2020–31 March 2024

— Organometallic Chemistry —

Ohki, Y.
Synthesis and Reactions of Mo-Fe-S Clusters Toward Understanding of the Mechanism of Nitrogenase
Grant-in-Aid for Scientific Research (B)
1 April 2019–31 March 2022

Ohki, Y.
Synthesis of Metal-Nanoclusters of Iron Group Metals
Grant-in-Aid for Challenging Research (Exploratory)
30 July 2020–31 March 2023

Ohki, Y.
Synthesis and Reactions of Bio-Inspired Molecular Metal-Hydride Compounds
Grant-in-Aid for Scientific Research on Innovative Areas (Research in a Proposed Research Area)
1 April 2021–31 March 2023

Ohki, Y.
Electron Transfer Networks of Transition Metal Cluster Complexes for Catalytic Applications
CREST (Core Research for Evolutionary Science and Technology), JST
1 October 2021–31 March 2027

Wakioka, M.
Study on True Correlation of Primary Structure and Charge Transport Property for pi-Conjugated Polymers
Grant-in-Aid for Scientific Research (C)
1 April 2021–31 March 2024

Tanifuji, K.
Structure-Function Relationships of Fe-Mo-S-C Metallocofactor of Dinitrogen-Reducing Enzymes
Grant-in-Aid for Research Activity Start-up
30 August 2021–31 March 2023

— Nanophotonics —

Kanemitsu, Y.
Design of Next-Generation Flexible Photonic Devices Based on Metal-Halide Perovskites
CREST (Core Research for Evolutionary Science and Technology), JST
1 September 2016–31 March 2022

Kanemitsu, Y.
Fusing Nanomaterials and Strong Electric Field Nonlinear Optics for New Advances in Photonics
Grant-in-Aid for Specially Promoted Research
23 April 2019–31 March 2024

Hirori, H.
Phononic Strong Coupling by THz Metamaterial and Its Applications to Material Control
Grant-in-Aid for Scientific Research (B)
1 April 2021–31 March 2025

BIOINFORMATICS CENTER
— Chemical Life Science —

Ogata, H.
Comprehensive Understanding of the Role of Giant Viruses in Aquatic Ecosystems
Grant-in-Aid for Scientific Research (B)
1 April 2018–31 March 2022

Endo, H.
Experimental Investigation of the Effects of Phytoplankton Diversity on Ecosystem Functioning in the Ocean
Grant-in-Aid for Early-Career Scientists
1 April 2019–31 March 2022

Ogata, H.
Deciphering the Mechanisms of Virus-Host Co-Existence in Aquatic Environments
Grant-in-Aid for Scientific Research on Innovative Areas (Research in a Proposed Research Area)
30 June 2016–31 March 2021

Ogata, H.
The Biosphere of Aggregated Particles: Elucidating the Regulatory Mechanisms of Marine Carbon Cycles
Grant-in-Aid for Scientific Research (S)
3 July 2019–31 March 2023

Ogata, H.
Comprehensive Study and Establishment of Application Foundation of Carboxydotrophic Bacteria through Spatio-Temporal Search
Grant-in-Aid for Scientific Research (S)
1 April 2016–31 March 2021

Ogata, H.
Comprehensive Understanding of Ecology and Virus-Host Interactions of Giant Viruses in Aquatic Ecosystems
Grant-in-Aid for Scientific Research (B)
1 April 2020–31 March 2023

Ogata, H.
Virus-Host Database
Grant-in-Aid for Publication of Scientific Research Results (Database)
1 April 2020–31 March 2025

Endo, H.
Integrative Understanding of Marine Nitrogen Fixation Based on Global Observations from Tropics to Polar Regions.
Grant-in-Aid for Scientific Research (B)
1 April 2019–31 March 2022

Okazaki, Y.
Microbial Nitrogen Pump: Bacterial Semi-Labile Dissolved Organic Nitrogen as a Nutrient Transport Pathway in Aquatic Systems

Grant-in-Aid for Scientific Research (B)
1 April 2021–31 March 2024

Okazaki, Y.
Prokaryotic Genomic Microdiversity Revealed Through Cutting-Edge Ecogenomics
The Kyoto University Foundation
16 June 2021–31 March 2022

Endo, H.
Change in Ecological Stoichiometry of Marine Phytoplankton Driven by Symbiotic Interaction and Its Mechanisms
Mitsumasa Ito Memorial Research Grant, Research Institute for Oceanochemistry Foundation
1 April 2021–31 March 2022

Ogata, H.
Grant for Holding International Conferences
The Kyoto University Foundation
1 April 2021–31 March 2022

Ogata, H.
Elucidation of the Virus-Driven Clockwork of the Marine Lower Trophic Level Ecosystem and Its Influence on Our Ocean
Grant-in-Aid for Scientific Research (S)
1 April 2021–31 March 2026

— Mathematical Bioinformatics —

Akutsu, T.
Analysis and Application of Discrete Preimage Problems
Grant-in-Aid for Scientific Research (A)
1 April 2018–31 March 2023

Mori, T.
Development of Cell Trajectory Inference and Comparison Algorithm Based on Single-Cell Omics Data
Grant-in-Aid for Early-Career Scientists
1 April 2019–31 March 2022

Tamura, T.
Efficient Algorithms for Design of Metabolic Networks for Valuable Metabolite Production
Grant-in-Aid for Scientific Research (B)
1 April 2020–31 March 2025

— Bio-knowledge Engineering —

Mamitsuka, H.
Development of Next Generation Plastic Materials Based on Structurally Controlled Hyperbranched Polymers
Grant-in-Aid for Scientific Research (S)
5 July 2021–31 March 2026

Mamitsuka, H.
Efficient Estimation of Data Structure from Multiple Tensors
Grant-in-Aid for Scientific Research (B)
1 April 2019–31 March 2022

Nguyen, C. H.
Machine Learning on Large Graphs
Grant-in-Aid for Scientific Research (C)
1 April 2018–31 March 2021

Petschner P.
Developing Machine Learning Based Bioinformatics to Decipher Hidden Biology of Depression Symptoms
Grant-in-Aid for JSPS Fellows
13 November 2020–31 March 2023

Mamitsuka, H.
Deep Learning of Mechanistic Networks in Cellular Signaling from Experimental Data
Research Support Allowance, JSPS
15 March 2021–13 May 2021