

令和7年度新潟大学優秀論文表彰 対象論文一覧

所属	職位	氏名	論文標題	DOI	雑誌名
医歯学系	教授	奥田 修二郎	jPOST environment accelerates the reuse and reanalysis of public proteome mass spectrometry data	10.1093/nar/gkae1032	NUCLEIC ACIDS RESEARCH
医歯学系	講師	西山 晃史	Dynamic action of an intrinsically disordered protein in DNA compaction that induces mycobacterial dormancy	10.1093/nar/gkad1149	NUCLEIC ACIDS RESEARCH
人文・社会科学系	教授	濱田 弘潤	The optimal specific or ad valorem tax when the other tax is exogenously imposed in a free-entry Cournot oligopoly market	10.1111/boer.12422	Bulletin of Economic Research
人文・社会科学系	准教授	天野 達郎	Pretreatment of microneedles enhances passive transdermal administration of pilocarpine and pilocarpine-induced sweat production in humans	10.1016/j.ijpharm.2024.124497	International Journal of Pharmaceutics
人文・社会科学系	助教	金田 邦雄	Parametrically amplified super-radiance towards hot big bang universe	10.1016/j.physletb.2024.139133	PHYSICS LETTERS B
人文・社会科学系	助教	金田 邦雄	Pseudo-Nambu-Goldstone boson production from inflaton coupling during reheating	10.1088/1475-7516/2024/11/058	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS
人文・社会科学系	助教	金田 邦雄	Accelerating universe at early and late times in extended Jordan-Brans-Dicke gravity	10.1103/PhysRevD.110.043518	PHYSICAL REVIEW D
人文・社会科学系	講師	有井 優太	Relationship between teacher leadership and teacher learning in Japanese lesson study: focusing on the knowledge-creation process	10.1108/IJLLS-02-2024-0045	International Journal for Lesson & Learning Studies
自然科学系	准教授	大井 志穂	Isometries and Hermitian Operators on spaces of vector-valued Lipschitz maps	10.1017/S1474748023000415	Journal of the Institute of Mathematics of Jussieu
自然科学系	准教授	坪ノ内 優太	An anisotropically crystallized and nitrogen-doped CuWO <sub>4</sub> photoanode for efficient and robust visible-light-driven water oxidation	10.1039/d4ta04120h	JOURNAL OF MATERIALS CHEMISTRY A
自然科学系	准教授	坪ノ内 優太	Mechanistic insight into efficient electrocatalysis for hydrogen evolution by a platinum film prepared on an FTO electrode using a mixed metal-imidazole casting method	10.1016/j.ijhydene.2023.08.001	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY
自然科学系	准教授	中村 亮太	Dynamics of beach scarp formation behind detached breakwaters	10.1016/j.ecss.2024.108651	Estuarine, Coastal and Shelf Science
自然科学系	准教授	渡邊 美寿貴	Polymorphs of NASICON-Type Na <sub>3</sub> Sc <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /Eu <sup>2+</sup> Phosphors Analyzed by Single Crystal Structure Determination and Molecular Dynamics Simulations	10.1021/acs.chemmater.4c01778	Chemistry of Materials

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自然科学系	助教	余 俊	Leveraging Large Language Model to Generate a Novel Metaheuristic Algorithm with CRISPE Framework	10.1007/s10586-024-04654-6	Cluster Computing: the Journal of Networks, Software Tools and Applications
自然科学系	助教	余 俊	Gene-Targeting Multiplayer Battle Game Optimizer for Large-scale Global Optimization via Cooperative Coevolution	10.1007/s10586-024-04600-6	Cluster Computing: the Journal of Networks, Software Tools and Applications
自然科学系	助教	余 俊	DEA2H2: Differential Evolution Architecture based Adaptive Hyper-Heuristic Algorithm for Continuous Optimization	10.1007/s10586-024-04587-0	Cluster Computing: the Journal of Networks, Software Tools and Applications
自然科学系	助教	余 俊	A Novel Evolutionary Status Guided Hyper-heuristic Algorithm for Continuous Optimization	10.1007/s10586-024-04593-2	Cluster Computing: the Journal of Networks, Software Tools and Applications
自然科学系	助教	余 俊	Hybrid Remora Crayfish Optimization for Engineering and Wireless Sensor Network Coverage Optimization	10.1007/s10586-024-04508-1	Cluster Computing: the Journal of Networks, Software Tools and Applications
自然科学系	助教	余 俊	Multiplayer Battle Game-Inspired Optimizer for Complex Optimization Problems	10.1007/s10586-024-04448-w	Cluster Computing: the Journal of Networks, Software Tools and Applications
自然科学系	准教授	多島 秀男	Improving the cold-flow properties of shea butter biodiesel by additive winterization	10.1016/j.indcrop.2024.118156	INDUSTRIAL CROPS AND PRODUCTS
自然科学系	准教授	多島 秀男	Assessment of the gas discharge characteristics during gas recovery by hydrate decomposition	10.1016/j.jece.2024.114467	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING
自然科学系	教授	金子 隆司	Synthesis and Direct Observation of Molecules of 2D Polymers: With High Molecular Weights, Large Areas, Small Micropores, Solubility, Membrane Forming Ability, and High Oxygen	10.1002/smll.202308050	SMALL
自然科学系	教授	金子 隆司	Helix-Sense-Selective Permeation of Racemic Helical Oligoacetylenes through One-Handed Helical Channels in Polymer Membranes	10.1021/acsmacrolett.4c00169	ACS MACRO LETTERS
自然科学系	教授	八木 政行	Visible-light-driven oxygen reduction by an anisotropically crystallized CuBi2O4 photocathode fabricated using a mixed metal-imidazole casting method	10.1039/d3ta05260e	JOURNAL OF MATERIALS CHEMISTRY A
自然科学系	助教	斎藤 嘉人	Discrimination of male-sterility and male-fertility in Japanese cedar (Cryptomeria japonica) using near-infrared diffuse transmission spectroscopy	10.1016/j.saa.2024.124243	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR
自然科学系	助教	斎藤 嘉人	Classification of soybean chemical characteristics by excitation emission matrix coupled with t-SNE dimensionality reduction	10.1016/j.saa.2024.124785	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR

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自然科学系	助教	夏川 遼生	Importance of the interplay between land cover and topography in modeling habitat selection	10.1016/j.ecolind.2024.112896	ECOLOGICAL INDICATORS
自然科学系	准教授	鈴木 一輝	Differences in Early Root Endophytic Bacterial Communities between Japanese Sake Rice Cultivars and Table Rice Cultivars	10.3390/agronomy14081769	Agronomy
自然科学系	助教	上田 大次郎	Analysis of vitamin D receptor binding affinities of enzymatically synthesized triterpenes including ambrein and unnatural onoceroids	10.1038/s41598-024-52013-7	SCIENTIFIC REPORTS
自然科学系	特任准教授	Debraj Chandra	Extremely efficient and stable hydrogen evolution by a Pt/NiOx composite film deposited on a nickel foam using a mixed metal-imidazole casting method	10.1039/d3ta06815c	JOURNAL OF MATERIALS CHEMISTRY A
医歯学系	助教	我妻 奎太	Characterizing the seasonal influenza disease burden attributable to climate variability: A nationwide time-series modelling study in Japan, 2000-2019	10.1016/j.envres.2024.120065	ENVIRONMENTAL RESEARCH
医歯学系	助教	青木 亜美	Suppression of Type I Interferon Signaling in Myeloid Cells by Autoantibodies in Severe COVID-19 Patients	10.1007/s10875-024-01708-7	JOURNAL OF CLINICAL IMMUNOLOGY
医歯学系	助教	奥山 健太郎	Novel artificial nerve transplantation of human iPSC-derived neurite bundles enhanced nerve regeneration after peripheral nerve injury	10.1186/s41232-024-00319-4	INFLAMMATION AND REGENERATION
医歯学系	准教授	河内 泉	Stage-dependent immunity orchestrates AQP4 antibody-guided NMOSD pathology: a role for netting neutrophils with resident memory T cells in situ	10.1007/s00401-024-02725-x	ACTA NEUROPATHOLOGICA
医歯学系	准教授	濱 菜摘	Recent progress in Stevens-Johnson syndrome/toxic epidermal necrolysis: diagnostic criteria, pathogenesis and treatment	10.1093/bjd/ljae321	BRITISH JOURNAL OF DERMATOLOGY
医歯学系	教授	山本 卓	Frailty and Duration of Maintenance Dialysis: A Japanese Nationwide Cross-Sectional Study	10.1053/j.ajkd.2024.04.012	AMERICAN JOURNAL OF KIDNEY DISEASES
医歯学系	特任助教	藤木 伸也	Effect of empagliflozin on ventricular arrhythmias in patients with type 2 diabetes treated with an implantable cardioverter-defibrillator: the EMPA-ICD trial.	10.1186/s12933-024-02309-9	Cardiovascular Diabetology
医歯学系	特任助教	藤木 伸也	Increasing survivors of anthracycline-related cardiomyopathy with breast cancer in trastuzumab era: thirty-one-year trends in a Japanese Community.	10.1007/s12282-024-01623-0	Breast Cancer
医歯学系	教授	奥田 修二郎	Insights into predicting small molecule retention times in liquid chromatography using deep learning	10.1186/s13321-024-00905-1	JOURNAL OF CHEMINFORMATICS

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医歯学系	教授	竹林 浩秀	Sensory-motor circuit is a therapeutic target for dystonia musculorum mice, a model of hereditary sensory and autonomic neuropathy 6.	10.1126/sciadv.adj9335	SCIENCE ADVANCES
医歯学系	特任教授	齋藤 亮彦	Cryo-EM structures elucidate the multiligand receptor nature of megalin	10.1073/pnas.2318859121	Proc Natl Acad Sci USA 2024 May 28;121(22):e2318859121
医歯学系	特任准教授	佐藤 裕樹	Novel scale for evaluating the therapeutic efficacy of per-oral endoscopic myotomy in achalasia	10.1007/s00535-024-02119-6	Journal of Gastroenterology
医歯学系	助教	大川 純平	Developing tongue coating status assessment using image recognition with deep learning	10.2186/jpr.JPR_D_23_00117	JOURNAL OF PROSTHODONTIC RESEARCH
医歯学系	助教	Kaung Myat Thwin	Association between dry eye and periodontal disease in community-dwelling Japanese adults: data from the Uonoma cohort study	10.1186/s12903-023-03773-7	BMC Oral Health
医歯学系	准教授	依田 浩子	Loss of autophagy disrupts stemness of ameloblast-lineage cells in aging	10.1177/00220345231209931	Journal of Dental Research
医歯学系	准教授	加来 賢	A loss of primary cilia by a reduction in mTOR signaling correlates with age-related deteriorations in condylar cartilage	10.1007/s11357-024-01143-x	GEROSCIENCE
医歯学系	准教授	川崎 真依子	Cell-cell interaction determines cell fate of mesoderm-derived cell in tongue development through Hh signaling	10.7554/eLife.85042	ELIFE
災害・復興科学研究所	准教授	安田 浩保	Physics-informed neural networks for inversion of river flow and geometry with shallow water model	10.1063/5.0232852	Physics of Fluids
医歯学総合病院	助教	渡邊 潤	BET bromodomain inhibition potentiates radiosensitivity in models of H3K27-altered diffuse midline glioma	10.1172/JCI174794	JOURNAL OF CLINICAL INVESTIGATION
医歯学総合病院	助教	長谷川 瑛人	Stevens-Johnson syndrome and toxic epidermal necrolysis: Updates in pathophysiology and management	10.1097/CM9.0000000000003250	chinese Medical Journal
医歯学総合病院	助教	高橋 一也	Achalasia phenotypes and prediction of peroral endoscopic myotomy outcomes using machine learning	10.1111/den.14714	DIGESTIVE ENDOSCOPY
医歯学総合病院	講師	渡部 聡	A phase II study of atezolizumab with bevacizumab, carboplatin, and paclitaxel for patients with EGFR-mutated NSCLC after TKI treatment failure (NEJ043 study).	10.1016/j.ejca.2023.113469	European Journal of Cancer

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医歯学総合病院	講師	渡部 聡	Association between skin toxicity and efficacy of necitumumab in squamous non-small-cell lung cancer: a pooled analysis of two randomized clinical trials-SQUIRE and JFCM	10.1016/j.esmoop.2024.102975	ESMO OPEN