

2020年度発表

主発表者	所属	発表先	タイトル	課題番号
Abdallah I.M. Rabee	Graduate School of Advanced Science and Technology, Japan Advanced Institute of Science and Technology	ACS Sustainable Chemistry & Engineering, 8(18) (2020), 7150-7161	Aerobic Oxidation of 5-Hydroxymethylfurfural into 2,5-Furandicarboxylic Acid over Gold stabilized on Zirconia-based Supports	1910092R
Sayleap Sdoeung	Department of Electrical and Electronic Engineering, Saga University	Applied Physics Letters, 117 (2020),022106	Origin of reverse leakage current path in edge-defined film-fed growth (001) β -Ga ₂ O ₃ Schottky barrier diodes observed by high sensitive emission microscopy	1803009S 1804017S 1805037S 1807057S 1810097S 1811114S 1912127S 1902005S 1903012S 1904024S 1906044S 1907054S 1909075S 1910088S 1911103S 1912113S 2001130S
Ryo Ohtani	Department of Chemistry, Faculty of Science, Kyushu University	Angewandte Chemie – International Edition, 132 (2020),2–9	Pseudo-membrane jackets: Two-dimensional coordination polymers achieving visible phase separation in cell membrane.	1809078F
Ikuya Yamada	Department of Materials Science, Graduate School of Engineering, Osaka Prefecture University	Inorganic Chemistry, 59 (2020),8699–8706	A Sequential Electron Doping for Quadruple Perovskite Oxides ACu ₃ Co ₄ O ₁₂ (A = Ca, Y, Ce)	2002004F
Son Dinh Le	Graduate School of Advanced Science and Technology, Japan Advanced Institute of Science and Technology (JAIST)	Applied Catalysis B: Environmental, 282 (2020),119619	Effect of Support on the Formation of CuPd Alloy Nanoparticles for the Hydrogenation of Succinic Acid	1910092R
Hirotaaka Yamaguchi	Advanced Power Electronics Research Center, National Institute of Advanced Industrial Science and Technology	Japanese Journal of Applied Physics, 59 (2020),12550	Subsurface-damaged later in (010)-oriented β -Ga ₂ O ₃ substrates	1806043S 2004027S
Masaaki Tabata	Department of Chemistry and Applied Chemistry, Faculty of Science and Engineering, Saga University	Journal of Archaeological Science:Reports, 36 (2020),100500	Estimation of places of production of porcelains of unknown origins excavated at the Mietsu Naval Facility site based on differences in the solubility of trace metals during the elutriation process	1807064R 1912117P

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Mamoru Kitaura	Faculty of Science, Yamagata University	Journal of Alloys and Compounds, 867 (2020),159055	Structural analyses of Gd ₃ (Al,Ga) ₅ O ₁₂ garnet solid solutions via X-ray and UV absorption spectroscopy experiments for Gd atoms	1609076F
Jun-Ichiro Makiura	Department of Applied Chemistry, Waseda University	Chemical Science, 21 (2021),2108-2113	Fast oxygen ion migration in Cu-In-oxide bulk and its utilization for effective CO ₂ conversion at lower temperature	1910093P
Son Dinh Le	Graduate School of Advanced Science and Technology, Japan Advanced Institute of Science and Technology	Applied Catalysis A: General, 616 (2021),1180-63	Influence of metal ratio on alumina-supported CuPd catalysts for the production of tetrahydrofuran from succinic acid	1910092R 2010105R
Hiroki WADATI	Institute for Solid State Physics, The University of Tokyo	X線分析の進歩, 52 (2021),161-166	バナジウム酸化物薄膜デバイスの電圧印加中のオペランドXAFS測定	1710106F 1801143F
Shinya Hosokawa	Department of Physics, Kumamoto University	JPS Conf. Proc., 33 (2021),011069-1-6	Local- and Intermediate-Range Atomic Order in Ga ₂ Ge ₃ Se ₉ Glass: Complementary Use of X-Rays and Neutrons	1802007A
Yasushi Sato	Department of Chemistry, Faculty of Science, Okayama University of Science	Journal of Luminescence, 231 (2020),117752	A novel Eu ²⁺ -activated calcium zirconium silicate phosphor: Ca ₃ ZrSi ₂ O ₉ :Eu ²⁺	2001137F
Shinichi Shikata	Kwansei Gakuin University	Materials Science Forum, 1004 (2020),519-524	Dislocation Vector Analysis Method of Deep Dislocation Having C-Axis Segment in Diamond	1802001A
Naoya Akashi	School of Science and Technology, Kwansei Gakuin University (KGU)	Diamond and Related Materials, 109 (2020),108024 (1-8)	Influence of threading dislocations on diamond Schottky barrier diode characteristic	1802001A
芳野遼	Department of Chemistry, Faculty of Science, Kyushu University	Inorganic Chemistry, 60 (2021),3338-3344	Coordination Geometry Changes in Amorphous Cyanide-Bridged Metal-Organic Frameworks upon Water Adsorption	1810095F 1901141F
Ayuko Kitajou	Graduate School of Sciences and Technology for Innovation, Yamaguchi University	J. Alloys and Compounds, 856 (2020),157449	Cathode properties of FeF ₃ -V ₂ O ₅ Glass/C for lithium-ion batteries	1808065F