2019年度発表　※2021/11/24更新

主発表者	所属	発表先	タイトル	課題番号
Shinya Ohmagari	Diamond Materials Team, Advanced Power Electronics Research Center, National Institute of Advanced Industrial Science and Technology	Thin Solid ,**680**(2019),85-88	Doping-induced strain in heavily B-doped (100) diamond films prepared by hot-filament chemical vapor deposition	1507055S 1507081S 1603011S
H. Kotaka	Elements Strategy Initiative for Catalysts and Batteries (ESICB), Kyoto University	Chemical Record, **19** (2019), 811	First-Principles Study of Na-Ion Battery Performance and Reaction Mechanism of Tin Sulfide as Negative Electrode	1603014A
Mohamed Egiza	Department of Applied Science for Electronics and Materials, Kyushu University	Japanese Journal of Applied Physics, **58** (2019), 075507	Enhanced hardness of nanocarbon films deposited on cemented tungsten carbide substrates by coaxial arc plasma deposition owing to employing silicon-doped graphite targets	1508064S 1607062S 1610090S 1704022S
Ali M	Dept. of Applied Science for Electronics and Materials, Kyushu University	Diamond and Related Materials, **96** (2019), 67-73	Negative Bias Effects on Deposition and Mechanical Properties of Ultrananocrystalline Diamond/Amorphous Carbon Composite Films Deposited on Cemented Carbide Substrates by Coaxial Arc Plasma	1508064S 1607062S 1610090S 1704022S 1804026S
Makoto Kasai	Mitsui Mining & Smelting Co., Ltd.. Perlite Division	Materials Today, Proceedings **Vol.16** (2019), 232-238	Synthesis of zeolite-surface-modified perlite and their heavy metal adsorption capability	1512125S
Hyun Goo Ji	Interdisciplinary Graduate School of Engineering Sciences Kyushu University	ADVANCED MATERIALS, **31** (2019), 1903613	Chemically Tuned p- and n-Type WSe2 Monolayers with High Carrier Mobility for Advanced Electronics	1912131F
Takeshi Morita	Department of Chemistry, Graduate School of Science, Chiba University	Crystal Growth Design, **19** (2019), 6199—6206	Impact of Temperature on the Fusion Growth of Bimetallic Au—Pt Nanoparticles from Each Nanocluster Conjugated with a Thermoresponsive Polymer	1510094PT
Son D. Le	Graduate School of Advanced Science and Technology, Japan Advanced Institute of Science and Technology (JAIST)	ACS Sustainable Chem. Eng., **7** (2019), 18483—18492	Highly Selective Synthesis of 1,4-Butanediol via Hydrogenation of Succinic Acid with Supported Cu—Pd Alloy Nanoparticles	1901136T 1901135R
Satoshi Torimi	Kyushu Institute of Technology Toyo Tanso, Co., Ltd	Solid State Electronics,**166** (2020), 107770	Numerical study on the suppression of 4H-SiC PiN diodes forward bias degradation due to substrate basal plane dislocations	1809084R 1907060R
Hirokazu MASAI	Department of Materials and Chemistry, National Institute of Advanced Industrial Science and Technology	Journal of the Ceramic Society ofJapan,**127**(2019),924-930	X-ray absorption near-edge structure of Ag cations in phosphate glasses for radiophotoluminescence applications	1806052F 1809068F
Hirotomo Nishihara	Institute of Multidisciplinary Research for Advanced Materials, Tohoku University	Chemistry Letters, **Vol.49,No.6**(2020),619-623	Synthesis of ordered carbonaceous framework with microporosity from porphyrin with ethynyl groups	1610098S

2019年度発表　※2021/11/24更新

主発表者	所属	発表先	タイトル	課題番号
S. Yakura	Graduate School of Science and Technology, Kumamoto University	Japanese Journal of Applied Physics,**59**(2020),025506	Strained lateral structure and its relaxation in a Cu_2O thin crystal epitaxially grown on MgO surface	1609083F 1705035F 1809090F
齋藤克知	Faculty of Science and Technology, Keio University	大気環境学会誌,**55巻2号**(2020),27－33	サイクロン法で採取された粒子状物質中CrのXAFSによる化学状態解析	1712126T 1712131P 1805035F 1809080F 1809081F 1901140F 1905032F
Naoyoshi Komatsu	National Institute of Advanced Industrial Science and Technology	Material Science Forum,**963** (2019),71-	Application of Defect Conversion Layer by Solution Growth for Reduction of TSDs in 4H-SiC Bulk Crystals by PVT Growth	1702007A
Masaharu Ito	Department of Applied Physics and Quantum Phase Electronics Center (QPEC),University of Tokyo	Chemical Communications,**55**(2019),8931-8934	High pressure synthesis of a quasi-one-dimensional $GdFeO_3$-type perovskite $PrCuO_3$ with nearly divalent Cu ions	1704016F
Ayuko Kitajou	Organization for Research Initiatives, Yamaguchi University	ACS Appl. Energy Mater,**2**(2019),8	Amorphous $xNaF-FeSO_4$ Systems ($1 \leq x \leq 2$) with Excellent Cathode Properties for Sodium-Ion Batteries	1704014S 1808066F
Shota Hisamitsu	Department of Chemistry and Biochemistry, Graduate School of Engineering, Center for Molecular Systems	ChemistryOpen,**9**(2019),14-17	Visible-to-UV Photon Upconversion in Nanostructured Chromophoric Ionic Liquids	1810092F
Akihiko Toda	Graduate School of Integrated Arts and Sciences, Hiroshima University	Polymer,**192**(2020),122303	Crystallization and melting of poly(butylene terephthalate) and poly(ethylene terephthalate) investigated by fast-scan chip calorimetry and small angle X-ray scattering.	1604027A 1702008A 1806050P
Masanori Takemoto	Department of Materials Science, Osaka Prefecture University	RSC Advances,**10**(2020),8066-8073	Imparting CO_2 reduction selectivity to $ZnGa_2O_4$ photocatalysts by crystallization from hetero nano assembly of amorphous-like metal hydroxides	1904019T