

2016年度発表

主発表者	所属	発表先	タイトル	課題番号
Kei Kubobuchi	Device-Functional Analysis Department, NISSAN ARC Ltd.	Journal of Applied Physics, 120 (2016), 142125	A valence state evaluation of a positive electrode material in a Li-ion battery with first-principles K- and L-edge XANES spectral simulations and resonance photoelectron spectroscopy	1204032S 1208097R 1305035R
Kotaro Shimasaki	Material Science and Production Engineering, Graduate School of Engineering	Journal of Nanoscience and Nanotechnology, 16 (2016), 9231-9237	Synthesis of Anisotropic Poly(N-isopropylacrylamide)/ Inorganic-Nanosheets Composite Gels by γ -Radiation-Induced Polymerization and Crosslinking	1311158F
Hideki Sako	R&D Partnership for Future Power Electronics Technology (FUPET)	Journal of Applied Physics, 119 (2016), 135702	Micro-structural analysis of local damage introduced in subsurface regions of 4H-SiC wafers during chemo-mechanical polishing	1402009A 1502002A
Ayuko KITAJOU	Institute for Materials Chemistry and Engineering, Kyushu University	Electrochemistry, 84(8) (2016), 597-600	Improvement of Cathode Properties by Lithium Excess in Disordered Rocksalt $\text{Li}_{2+2x}\text{Mn}_{1-x}\text{Ti}_{1-x}\text{O}_4$	1405045S
Mamoru Kitaura	Faculty of Science, Yamagata University	Applied Physics Express, 9 (2016), 072602	Probing shallow electron traps in cerium doped $\text{Gd}_3\text{Al}_2\text{Ga}_3\text{O}_{12}$ scintillators by UV-induced absorption spectroscopy	1601153P
Ken Motokura	Department of Chemical Science and Engineering, Tokyo Institute of Technology	Catalysis Science & Technology, 6 (2016), 5380-5388	Pd-Bisphosphine Complex and Organic Functionalities Immobilized on the Same SiO_2 Surface: Detailed Characterization and Its Use as an Efficient Catalyst for Allylation	1504037F
田端正明	佐賀大学大学院 工学系研究科	分析化学, 65 (2016), 657-666	シンクロトロン蛍光X線分析法による世界文化遺産 三重津海軍所跡(佐賀市)出土磁器の胎土分析 —第1報, 陶石, 佐賀城跡出土磁器との比較—	1311124P 1404014F
Masanori Suzuki	Graduate School of Engineering, Osaka University	Journal of the American Ceramic Society, 99 (2016), 3151-3158	Formation and Local Structure Analysis of High-valence Chromium Ion in Dicalcium Silicate	1409096S
松岡 光昭	早稲田大学 理工学術院	スマートプロセス学会誌, Vol.5, No.6 (2016), 358-363	使用済みリチウムイオン電池からの分級によるコバルト回収に適した加熱プロセスおよび粉碎プロセスの検討	1309107R
Ikuo Kinoshita	Graduate School of Nanobioscience, Yokohama City University	Japanese Journal of Applied Physics, 56 (2017), 048004	A method for atomic-level noncontact thermometry with electron energy distribution	1407069F 1510093F
Hiroshi Naragino	Department of Applied Science for Electronics and Materials Kyushu University	Applied Physics A., 122 (2016), 761	Hard coating of ultrananocrystalline diamond/nonhydrogenated amorphous carbon composite films on cemented tungsten carbide by coaxial arc plasma deposition	1505044S
Ryo Ohtani	Department of Chemistry, Graduate School of Science and Technology, Kumamoto University	Chemistry A European Journal, 23 (2017), 2236-2248	Guest-Dependent Spin-Transition Behavior of Porous Coordination Polymers	1606042F

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M. S. Islam	Department of Chemistry, Graduate School of Science and Technology, Kumamoto University	CHEMISTRY AN ASIAN JOURNAL, 11 (2016), 2322-2327	Thermally Stable Super Ionic Conductor from Carbon Sphere Oxide	1606042F
Hitomi Ohmagari	Department of Chemistry, Graduate School of Science and Technology, Kumamoto University	Dalton Transactions, 45 (2016), 16784-16788	Water-dependent charge-transfer-induced spin transition of Prussian blue analogues	1606042F
Hirotaaka Yamaguchi	Advanced Power-electronics Research Center, National Institute of Advanced Industrial Science and Technology	Superlattices and Microstructures, 99 (2016), 99-103	Slip system analysis and X-ray topographic study on β -Ga ₂ O ₃	1502002A
Ken Motokura	Department of Chemical Science and Engineering, School of Materials and Chemical Technology, Tokyo Institute of Technology	Bulletin of the Chemical Society of Japan, 90 (2017), 137-147	Development of Multiactive Site Catalysts for Surface Concerted Catalysis Aimed at One-Pot Synthesis	1404015F 1504037F
Ryo Ohtani	Department of Chemistry, Graduate School of Science and Technology, Kumamoto University	Dalton Transactions, 46 (2017), 3749-3754	Modulation of redox potentials utilizing the flexible coordination sphere of a penta-coordinate complex in the solid state	1606042F
Yoshihiro Shimoyama	Department of Chemistry, Faculty of Pure and Applied Sciences, University of Tsukuba	Angewandte Chemie International Edition, 55 (2016), 14041-14045	A Ruthenium(III)-Oxyl Complex Bearing Strong Radical Character	1512126F
Satoshi Masuya	Department of Electrical and Electronic Engineering, Saga University	Journal of Crystal Growth, 468 (2017), 439-442	Determination of partial dislocations of stacking fault in (111) single crystal diamond grown on (111) seed crystal by synchrotron X-ray topography	1605029S 1607059S
Abdelrahman Zkria	Department of Applied Science for Electronics and Materials, Kyushu University	Applied Physics A, 581 (2017), 167	Application of nitrogen-doped ultrananocrystalline diamond/hydrogenated amorphous carbon composite films for ultraviolet detection	1204044S
Hiroki Gima	Department of Applied Science for Electronics and Materials, Kyushu University	Applied Physics Express, 10 (2017), 015801	Chemical bonding structural analysis of nitrogen-doped ultrananocrystalline diamond/hydrogenated amorphous carbon composite films prepared by coaxial arc plasma deposition	1204044S