

2014年度発表

主発表者	所属	発表先	タイトル	課題番号
Hirofumi Matsuhata	Advanced Power Electronics Research Centre, National Institute of Advanced Industrial Science and Technology [R&D Partnership Future Power Electronics Technology]	Philosophical Magazine, <b>94</b> (2014), 1674-1685	Contrast analysis of Shockley partial dislocations in 4H-SiC observed by synchrotron Berg-Barrett X-ray topography	1102008PT 1105051AS 1204021A
Kazuya Idemitsu	Dept. of Applied Quantum Physics and Nuclear Engineering, Kyushu Univ.	Proceedings of Materials Research Society Symposium on Scientific Basis for Nuclear Waste Management XXXVII, <b>1665</b> (2014), 157-163	Migration Behavior of Selenium in the Presence of Iron in Bentonite	1304023R 1212148R 1204033R 1208096R
Makoto Kasu	Department of Electrical and Electronic Engineering, Saga University	Applied Physics Express, <b>7</b> (2014), 125501	Synchrotron X-ray topography of dislocations in high-pressure high-temperature-grown single-crystal diamond with low dislocation density	1207066R 1208082R 1212146R 1309094R 1310121R
Mingyu Jiang	Department of Chemistry, Kyushu University	Atmospheric Environment, <b>82</b> (2014), 364-374	Multi-scale analysis of the occurrence of Pb, Cr and Mn in the NIST standards: Urban dust (SRM 1649a) and indoor dust (SRM 2584)	1208083R
T. Ohyanagi	Low-Power Electronics Association and Projects (LEAP)	Applied Physics Letter, <b>104</b> (2014),	GeTe sequences in superlattice phase change memories and their electrical characteristics	1210116R 1303007R
Akio Yoneyama	Central Research Laboratory, Hitachi, Ltd.	Applied Physics Letters, <b>106</b> (2015), 084102	Feasibility study of a high-spatial resolution x-ray computed tomography using sub-pixel shift method	1301142Pi 1305051S 1311160S 1405029S 1408087S 1411123S
Shiki Nojima	Graduate School of Engineering, Kyushu University	Polymer Journal, <b>46</b> (2014), 637-640	Precise characterization of outermost surface of crystalline-crystalline diblock copolymer thin films using synchrotron radiation soft X-ray photoelectron spectroscopy	1303014S

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Shigeki Arai	aQuantum Beam Science Directorate, Japan Atomic Energy Agency	Acta Crystallographica Section D, <b>71</b> (2015), 541–554	Structure of a highly acidic $\beta$ -lactamase from the moderate halophile <i>Chromohalobacter</i> sp. 560 and the discovery of a $\text{Cs}^+$ -selective binding site	1305049R
Masakazu SUGISHIMA	Kurume University School of Medicine	日本結晶学会誌, <b>56</b> (2014), 393–398	ヘム鉄代謝の鍵となる電子伝達複合体の構造解析 (Structural Analysis of the Redox Complex which is a Key in Heme Metabolism)	1306069F
Silvia Galli	Department of Prosthodontics, Faculty of Odontology, Malmö University	Acta Biomaterialia, <b>10</b> (2014), 5193–5201	Local release of magnesium from mesoporous $\text{TiO}_2$ coatings stimulates the peri-implant expression of osteogenic markers and improves osteoconductivity in vivo	1308104P
Yoshika HATASAKO	Department of Mechanical and Control Engineering, Kyushu Institute of Technology	日本機械学会論文 集, <b>80</b> (2014), 820	マイクロ相分離構造の配向制御と薄膜の熱伝導率	1311126S
Hiroto Noda	Department of Environmental Chemistry and Engineering, Tokyo Institute of Technology	Catalysis Science & Technology, <b>5</b> (2015), 2714–2727	Heterogeneous Double-Activation Catalysis: Rh Complex and Tertiary Amine on Same Solid Surface for the 1,4-Addition Reaction of Aryl- and Alkylboronic Acids	1404015F
田端正明	佐賀大学大学院 工学系研究科	佐賀市重要産業遺跡 関係調査報告集 <b>第7</b> 集, (2015)	出土遺物の化学分析と考察 1. 出土遺物の胎土分析—磁器栄作の陶土と生産地推定	1311124P 1410113P
Liwei Yu	Graduate School of Bioresource and Bioenvironmental Sciences, Kyushu University	BioResources, <b>10</b> (2) (2015), 2406–2417	Promotion of Crystal Growth on Activated Biomass Carbon using Phosphoric Acid Activation	090312N
Hirotooshi Yamada	Graduate School of Engineering, Nagasaki University [Sumitomo Electric Industries, Ltd.]	The Journal of Physical Chemistry C, <b>119</b> (2015), 4736– 4741	Distortion of Ions in Nanoporous Electrodes Revealed by in Situ X-ray Absorption Spectroscopy	090797N 100547N 1109094N
Shinya Ohmagari	Department of Applied Science for Electronics and Materials, Kyushu University	Japanese Journal of Applied Physics, <b>050307</b> (2014), 53	Carrier transport and photodetection in heterojunction photodiodes comprising n-type silicon and p-type ultrananocrystalline diamond/hydrogenated amorphous carbon composite films	–
Tatsuo Kimura	Advanced Manufacturing Research Institute, National Institute of Advanced Industrial Science and Technology (AIST)	Chemical Communications, <b>51</b> (2015), 1230–1233	In situ observation of the evaporation-induced self-assembling process of PS- <i>b</i> -PEO diblock copolymers for the fabrication of titania films by confocal laser scanning microscopy	100542N 1101136N

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Takumi Inadomi	Department of Life, Environment and Materials Science, Graduate School of Fukuoka Institute of Technology	Macromolecular Rapid Communications, <b>35</b> (2014), 1741-1746	Photo-Induced Anomalous Deformation of Poly(N-Isopropylacrylamide) Gel Hybridized with an Inorganic Nanosheet Liquid Crystal Aligned by Electric Field	1106054N 1101137N