

2017年度発表

主発表者	所属	発表先	タイトル	課題番号
Kazuo Nishihagi	Department of Electrical and Electronic Engineering, Synchrotron Light Application Center, Saga University	Materials Research Bulletin, 94 (2017), 170-173	Structural properties of Eu doped gallium oxide films	1511116P
Tasuma Suzukia	Department of Sustainable Environmental Engineering, Graduate School of Sciences and Technology for Innovation, Yamaguchi University	Journal of Hazardous Materials, 338 (2017), 482-490	Preferential adsorption and surface precipitation of lead(II) ions onto anatase in artificially contaminated Dixie clay	1408093S 1508084S
Satoshi Masuya	Department of Electrical and Electronic Engineering, Saga University	Diamond & Related Materials, 75 (2017), 155-160	Formation of stacking fault and dislocation behavior during the high-temperature annealing of single-crystal HPHT diamond	1512147S 1605029S 1607059S
Hirotochi Yamada	Graduate School of Engineering, Nagasaki University	Journal of Power Sources, 368 (2017), 97-106	Influence of strain on local structure and lithium ionic conduction in garnet-type solid electrolyte	1607057R
S. Takeichi	Department of Applied Science for Electronics and Materials, Kyushu University	ECS Transactions, 75 (2017), 27-32	Thermal conductivity of Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films Prepared by Coaxial Arc Plasma Deposition	080623N
Hiroki Gima	Department of Applied Science for Electronics and Materials, Kyushu University	ECS Transactions, 75 (2017), 37-44	N-type Conduction in Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films Prepared by Coaxial Arc Plasma Deposition Using Li ₃ PO ₄ -Blended Graphite Targets	1204044S
Liping Tong	State Key Laboratory of Metal Matrix Composites, Shanghai Jiaotong University	JOURNAL OF APPLIED PHYSICS, 122 (2017), 173103	Defect induced visible-light-activated near-infrared emissions in Gd _{3-x-y-z} Yb _x Bi _y Er _z Ga ₅ O ₁₂	1605028P
Ayuko KITAJOU	Institute for Materials Chemistry and Engineering, Kyushu University	Electrochemistry, 85(8) (2017), 472-477	Discharge and Charge Reaction of Perovskite-type MF ₃ (M = Fe and Ti) Cathodes for Lithium-ion Batteries	090546N 1607055R
Yanhua Zhang	Hubei Provincial Key Laboratory of Green Materials for Light Industry, Hubei University of Technology	Electrochimica Acta, 261 (2018), 137-142	Regulation mechanism of bottleneck size on Li ⁺ migration activation energy in garnet-type Li ₇ La ₃ Zr ₂ O ₁₂	1604016P
Junjun Jia	Graduate School of Science and Engineering, Aoyama Gakuin University	Physical Review Applied, 9 (2018), 014018(1-13)	Evolution of Defect Structures and Deep Subgap States during Annealing of Amorphous In-Ga-Zn Oxide for Thin-Film Transistors	1504023F
Yuhei Yamamoto	Graduate School of Science and Technology, Tokushima University	Spectrochimica Acta Part B, 142 (2018), 55-61	Role of iron modifier on boron atomization process using graphite furnace-atomic absorption spectrometry based on speciation of iron using X-ray absorption fine structure	1505041PT
Masanori Suzuki	Graduate School of Engineering, Osaka University	Journal of the American Ceramic Society, 101 (2018), 1-13	Effect of thermal history on high-valence chromium ion dissolution in merwinite (3CaO·MgO·2SiO ₂)	1510089S 1608080S

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Hiroki Shibata	Graduate School of Engineering, okkaido University	Journal of Nuclear Materials 502 (2018), 228-235	Development of accident tolerant FeCrAl-ODS steels utilizing Ce-oxide particles dispersion	1510096S 1601151S 1607060S
Shinya Hosokawa	Department of Physics, Kumamoto University	Physical Review B 96 (2017), 214207(1-12)	Impurity position and lattice distortion in a Mn-doped Bi ₂ Te ₃ topological insulator investigated by x-ray fluorescence holography and x-ray absorption fine structure	1403005F 1503016F
笠井誠	三井金属鉱業株式会社	大阪府立大学博士論文 (2018)	パーライトの高機能化プロセスに関する研究	1512125S
Makoto KASAI	Mitsui Mining & Smelting Co., Ltd.. Perlite Division	Journal of the Japan Society of Powder and Powder Metallurgy Vol.65 No.3 (2018), 158-162	Synthesis and Evaluation of Tobermorite from Perlite using Hydrothermal Synthesis	1510092S 1705037S
田端正明	佐賀大学大学院 工学系研究科	分析化学 66 (2017), 839-846	シンクロトロン蛍光X線分析法による世界分解遺産三重津海軍所跡(佐賀市)出土磁器の胎土分析—第2報、レアメタル分析による生産地推定—	1410113P 1508070P 1605031P 1612118P