

2012年度発表

主発表者	所属	発表先	タイトル	課題番号
T. Yamashita	R&D Partnership for Future Power Electronics Technology (FUPET) [SHOWA DENKO K.K.]	Materials Science Forum, 740-742 (2014), 649-652	Origin Analyses of Obtuse Triangular Defects in 4deg-off 4H-SiC Epitaxial Wafers by Electron Microscopy and by Synchrotron X-ray Topography	1105051AS 1204021A
K. Sakamoto	Nippon Nuclear Fuel Development, Co., Ltd.	Progress in Nuclear Energy, 57 (2012), 101-105	Depth profile of chemical states of alloying elements in oxide layer of Zr-based alloys	-
Hidetoshi Suzuki	Interdisciplinary Research Organization, Univ. of Miyazaki	Materials Science Forum, 725 (2012), 85-88	Distribution of Misfit Dislocations at the InGaAs/GaAs(001) Interface Observed by Monochromatic X-Ray Topography	1104032N
大曲 新矢	九州大学大学院総合理工学府量子プロセス理工学専攻	表面科学, Vol.33 (2012), 583-588	超ナノ微結晶ダイヤモンド/水素化アモルファスカーボン混相膜の受光素子への応用	090423N 090662N 100320AS 1104035AS
大曲 新矢	九州大学大学院総合理工学府量子プロセス理工学専攻	日本結晶成長学会誌, 39(4) (2013), 196-203	物理気相成長法による超ナノ微結晶ダイヤモンドの生成とドーピングによる結晶粒成長促進効果	-
Shinya Ohmagari	Department of Applied Science for Electronics and Materials, Kyushu University	Japanese Journal of Applied Physics, 51 (2012), 090123	p-Type Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films Prepared by Pulsed Laser Deposition and Their Application to Photodetectors	-
Yūki Katamune	Department of Applied Science for Electronics and Materials, Kyushu University	Japanese Journal of Applied Physics, 51 (2012), 078003	Boron-Induced Dramatically Enhanced Growth of Diamond Grains in Nanocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films Deposited by Coaxial Arc Plasma Deposition	-
Shinya Ohmagari	Department of Applied Science for Electronics and Materials, Kyushu University	Applied Physics Express, 5 (2012), 065202	Deep-Ultraviolet Light Detection of p-Type Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films	-
Yūki Katamune	Department of Applied Science for Electronics and Materials, Kyushu University	Japanese Journal of Applied Physics, 51 (2012), 068002	Effects of Aluminum Incorporation on Diamond Grain Growth in Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films Prepared by Coaxial Arc Plasma	-
Ryuhei Iwasaki	Department of Applied Science for Electronics and Materials, Kyushu University	ECS Journal of Solid State Science and Technology, 50 (2013), 157-162	Necessity of Epitaxial Growth of β -FeSi ₂ Thin Films in Formation of n-Type β -FeSi ₂ /p-Type Si Heterojunction Photodiodes	-

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Ryuhei Iwasaki	Department of Applied Science for Electronics and Materials, Kyushu University	ECS Journal of Solid State Science and Technology, 50 (2013), 129-135	Near-Infrared Light Detection of n-Type β -FeSi ₂ /Intrinsic Si/p-Type Si Heterojunction Photodiodes at Low Temperatures	-
E. Garratt	Department of Physics, Western Michigan University	Applied Physics Letters, 102 (2013), 011913	Effect of chromium underlayer on the properties of nano-crystalline diamond films	-
Ryuhei Iwasaki	Kyushu University	ECS Transactions, 50 (2013), 129-135	Near-Infrared Light Detection of n-Type β -FeSi ₂ /Intrinsic Si/p-Type Si Heterojunction Photodiodes at Low	-