

2010年度発表

主発表者	所属	発表先	タイトル	課題番号
Kazuhiro Nogita	The University of Queensland	Materials Science Forum, Vols. 654-656 (2010), 2851-2854	Characterisation of Hydrogen Release Behaviour in Cast Mg-Ni Alloys by Synchrotron XRD and XAFS	080624N 081150N 090303N
Hiroki Ago	Institute for Materials Chemistry and Engineering Kyushu University	small, 6 (11) (2010), 1226-1233	Patterned Growth of Graphene over Epitaxial Catalyst	090542N 0911127Pi
野北和宏	クイーンランド大学	セラミックス, 46 (3) (2011), 196-200	鋳造法により製造したMg系水素化物を用いた水素貯蔵システム	080624N 081150N 090303N
野北和宏	クイーンランド大学	エレクトロニクス実装技術, 11 (2010), 20-26	なぜNi添加したSn-Cu系鉛フリーはんだの接合界面には亀裂が少ないのか?	080624N 081150N 090303N
Kan Sakamoto	Nippon Nuclear Fuel Development Co., Ltd	2010 LWR Fuel Performance Meeting / Top Fuel / WRFPM	Chemical State of Alloying Elements in Oxide Layer of Zr-based Alloys	-
Q. X. Guo	Department of Electrical and Electronic Engineering, Synchrotron Light Application Center, Saga	APPLIED PHYSICS LETTERS, 98 (2011), 181901	Electronic structure of GaInN semiconductors investigated by x-ray absorption spectroscopy	100778N
Kenji Hanada	Department of Applied Science for Electronics and Materials, Kyushu University	Japanese Journal of Applied Physics, 49 (2010), 08JF09	Time-Resolved Spectroscopic Observation of Deposition Processes of Ultrananocrystalline Diamond/Amorphous Carbon Composite Films by Using a Coaxial Arc Plasma Gun	090423N 090662N
吉武剛	九州大学大学院総合理工学研究院	あたりあ, 49 (2010), 317-319	物理気相成長法による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創製とその化学結合構造	080623N 081152N
Kazushi Sumitani	Saga Light Source	Diamond and Related Materials, 19 (2010), 618-620	Influences of repetition rate of laser pulses on growth of crystalline AlN films on sapphire(0001) substrates by pulsed laser deposition	090423N 090662N
Tatsuo Kimura	Advanced Manufacturing Research Institute, National Institute of Advanced Industrial, Science and Technology (AIST)	CHEMISTRY A European Journal, 16 (2010), 12069-12073	Condensation and Crystallinity Controlled Synthesis of Titanium Oxide Films with Assessed Mesopores	090981N
R. Nakanishi	Materials Research Institute for Sustainable Development, Chubu Research Base of National Institute of Advanced Industrial Science and Technology (AIST Chubu)	Materials Science Forum, 658 (2010), 37-40	Preferential Oxidation of CO over Pt Catalysts Supported on Mesoporous Aluminosilicates in the Presence of H ₂	090999N

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Mingjiong Zhoua	Interdisciplinary Graduate School of Engineering Sciences, Kyushu University	Journal of Power Sources, 196 (2011), 8110–8115	Thermal characteristics of a FeF_3 cathode via conversion reaction in comparison with LiFePO_4	100635N
Sausan Al-Riyami	Department of Applied Science for Electronics and Materials, Kyushu University	Diamond and Related Materials, 20 (2011), 1072–1075	Fourier transform infrared spectroscopic study of nitrogen-doped ultrananocrystalline diamond/hydrogenated amorphous carbon composite films prepared by pulsed laser deposition	100320AS
Shinya Ohmagari	Department of Applied Science for Electronics and Materials, Kyushu University	Japanese Journal of Applied Physics, 50 (2011), 035101	Heterojunction Diodes Comprised of n-Type Silicon and p-Type Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite	100320AS
Kenji Hanada	Department of Applied Science for Electronics and Materials, Kyushu University	Japanese Journal of Applied Physics, 49 (2010), 125503	Formation of Ultrananocrystalline Diamond/Amorphous Carbon Composite Films in Vacuum Using Coaxial Arc Plasma Gun	1011133N 1012123N 1012135N
Sausan Al-Riyami	Department of Applied Science for Electronics and Materials, Kyushu University	Applied Physics Express, 3 (2010), 115102	Nitrogen-Doped Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films Prepared by Pulsed Laser Deposition	100320AS
Tatsuo Kimura	Advanced Manufacturing Research Institute, National Institute of Advanced Industrial, Science and Technology (AIST)	CHEMISTRY A European Journal, 17 (2011), 4005–4011	Highly Photoactive Porous Anatase Films Obtained by Deformation of 3D Mesostructures	090981N
Tomoko Gowa	Research Institute for Science and Engineering, Waseda University	Radiation Physics and Chemistry, 80 (2011), 248–252	Study on resist sensitivities for nano-scale imaging using water window X-ray microscopy	100339N 100995N