

2011年度発表

主発表者	所属	発表先	タイトル	課題番号
Irina D.Gocheva	Interdisciplinary Graduate School of Engineering and Material Sciences	Electrochemistry, <b>78</b> (2010), 471-474	Electrochemical properties of Trirutile-type $\text{Li}_2\text{TiF}_6$ as cathode active material in Li-ion batteries	090545N 090546N
Takashi Yamamoto	Toray Research Center Inc.	Journal of Nanoscience and Nanotechnology, <b>11(4)</b> (2011), 2823-2828	Electronic structure characterization of La incorporated Hf-based high-k gate dielectrics by NEXAFS	090530N
Takashi Yamamoto	Toray Research Center Inc.	Journal of Japanese Applied Physics, <b>50</b> (2011), 10PA02	Impact of thermally-induced structural changes on the electrical properties of TiN/HfLaSiO gate stacks	100306N 100337N 100889N 1011116N
Sausan Al-Riyami	Department of Applied Science for Electronics and Materials, Kyushu University	Japanese Journal of Applied Physics, <b>50</b> (2011), 08JD05	Near-Edge X-ray Absorption Fine-Structure Spectroscopic Study on Nitrogen-Doped Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films Prepared by Pulsed Laser Deposition	100320AS
Tomoko G. Oyama	Research Institute for Science and Engineering, Waseda University	SPIE., <b>7972</b> (2011), 797210	Extendibility of EUV resists in the exposure wavelength from 13.5 down to 3.1 nm for next-generation lithography	100339N 100995N
Tomoko Gowa Oyama	Research Institute for Science and Engineering, Waseda University	AIP Advances, <b>1</b> (2001), 042153	Evaluation of resist sensitivity in extreme ultraviolet/soft x-ray region for next-generation lithography	100339N 100995N
Nobuyoshi Miyamoto	Department of Life, Environment and Materials Science Fukuoka Institute of Technology	Chemistry an Asian Journal, <b>6</b> (2011), 2936-2939	Exfoliated Nanosheets of Layered Perovskite $\text{KCa}_2\text{Nb}_3\text{O}_{10}$ as an Inorganic Liquid Crystal	1101136N 1101137N
Baoshan Hu	Institute for Materials Chemistry and Engineering, Kyushu University	Carbon, <b>50</b> (2012), 57-65	Epitaxial growth of large-area single-layer graphene over Cu(111)/sapphire by atmospheric pressure CVD	090542N 0911127Pi
Sausan Al-Riyami	Department of Applied Science for Electronics and Materials, Kyushu University	Applied Physics Express, <b>4</b> (2011), 109201	Erratum: "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, <b>51</b> (2012), 025503	Enhanced Growth of Diamond Grains in Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films by Pulsed Laser Deposition with Boron-Blended Graphite	1011133N 1012123N 1012135N
Nathaporn Promros	Department of Applied Science for Electronics and Materials, Kyushu University	Japanese Journal of Applied Physics, <b>51</b> (2012), 021301	n-Type Nanocrystalline $\text{FeSi}_2$ /intrinsic Si/p-Type Si Heterojunction Photodiodes Fabricated by Facing-Target Direct-Current Sputtering	1011133N 1012123N 1012135N

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Kyohei Yamashita	Department of Applied Science for Electronics and Materials, Kyushu University	MATERIALS RESERCH SOCIETY, <b>1396</b> (2012), o07-18	Influences of hydrogen passivation on NIR photodetection of n-type $\beta$ -FeSi <sub>2</sub> /p-type Si heterojunction photodiodes fabricated by facing-targets direct-current sputtering	1011133N 1012123N 1012135N
Shinya Ohmagari	Department of Applied Science for Electronics and Materials, Kyushu University	MATERIALS RESERCH SOCIETY, <b>1395</b> (2012), n12-17	Roles of boron in growth of diamond grains in ultrananocrystalline diamond/hydrogenated amorphous carbon composite films prepared by pulsed laser deposition	1011133N 1012123N 1012135N
Aki Tominaga	Department of Applied Science for Electronics and Materials, Kyushu University	MATERIALS RESERCH SOCIETY, <b>1395</b> (2012), n12-30	Preparation of Diamond Nanocrystallites in Powder by Using a Coaxial Arc Plasma Gun	1011133N 1012123N 1012135N
Ayuko Kitajou	Research and Education Center of Carbon Resources, Kyushu University	Novel Carbon Resources Sciences Newsletter, <b>Vol.6</b> (2011), 21-24	Charge-discharge Reaction Mechanisms of Pyrite-type FeS <sub>2</sub> for Sodium-ion Batteries	1102016N 1109087N
Hidetoshi Shinohara	Faculty of Science and Engineering, Waseda University	Journal of Micromechanics and Microengineering, <b>21</b> (2011), 085028	Studies on low-temperature direct bonding of VUV/O <sub>3</sub> -, VUV- and O <sub>2</sub> plasma-pre-treated poly-methylmethacrylate	090309N 090540N
H. Shinohara	Faculty of Science and Engineering, Waseda University	IET Nanobiotechnology, <b>5</b> (2011), 136-142	XPS and NEXAFS studies of VUV/O <sub>3</sub> -treated aromatic polyurea and its application to microchip electrophoresis	090309N 090540N