

2009年度発表

主発表者	所属	発表先	タイトル	課題番号
K. Nogita	Institute for Materials Chemistry and Engineering Kyushu University	ICEP 2009: International Conference on Electronics Packaging 2009, K14-2-2 (2009), 1-6	Inhibition of cracking in Cu ₆ Sn ₅ intermetallic compounds at Sn-Cu lead-free solders and Cu substrate interfaces	080625N
K. Nogita	The University of Queensland	The Journal of The Minerals, Metals & Materials Society (TMS), 61 (2009), 45-51	Cracking and Phase Stability in Reaction Layers between Sn-Cu-Ni Solders and Cu Substrates	080625N 081151N
T. Shirasawa	Institute for Solid State Physics, University of Tokyo	PHYSICAL REVIEW B, 79 (2009), 241301(R) 1-4	Atomic-layer-resolved bandgap structure of an ultrathin oxynitride-silicon film epitaxially grown on 6H-SiC(0001)	080286N
Koichi Okada	Departments of Materials Science and of Basic Science, Kyushu Institute of Technology	Appl Mater Interfaces, 9 (2009), 1893-1898	Magnetoresistance and Microstructure of Magnetite Nanocrystals Dispersed in Indium-Tin Oxide Thin Films	070722N
Tomoko Gowa	Research Institute for Science and Engineering, Waseda University	Journal of Photopolymer Science and Technology, Vol. 22, No. 3 (2009), 273-278	Development of a Compact X-ray Source and Super-sensitization of Photo Resists for Soft X-ray Imaging	-
Y. Tai	Materials Research Institute for Sustainable Development, Chubu Research Base of National Institute of Advanced Industrial Science and Technology (AIST Chubu)	Applied Catalysis A: General, 364 (2009), 143-149	Structures and CO oxidation activities of size-selected Au nanoparticles in mesoporous titania-coated silica aerogels	080634N
Shinya Ohmagar	Department of Applied Science for Electronics and Materials, Kyushu University	Diamond and Related Materials, 19 (2010), 911-913	X-ray photoemission spectroscopy study of ultrananocrystalline diamond/hydrogenated amorphous carbon films prepared by pulsed laser deposition	090423N 090662N
Sausan Al-Riyami	Department of Applied Science for Electronics and Materials, Kyushu University	Diamond and Related Materials, 19 (2010), 510-513	X-ray Photoemission Spectroscopy of Nitrogen-Doped UNCD /a-C:H Films Prepared by Pulse Laser Deposition	090423N 090662N

2009年度発表

主発表者	所属	発表先	タイトル	課題番号
Shinya Ohmagar	Department of Applied Science for Electronics and Materials, Kyushu University	Japanese Journal of Applied Physics, 49 (2010), 031302	Formation of p-Type Semiconducting Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films by Boron Doping	090423N 090662N
Kazushi Sumitani	Saga Light Source	Japanese Journal of Applied Physics, 49 (2010), 020212	Synchrotron X-ray Diffraction Study of Single-Phase β -AlN Thin Films Heteroepitaxially Grown on Sapphire (0001) Substrates by Pulsed Laser Deposition	090423N 090662N
You Nakagawa	Department of Applied Science for Electronics and Materials, Kyushu University	Materials Science Forum, Vols.638-642 (2010), 2927-2932	Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Films Prepared by a Coaxial Arc Plasma Gun	090423N 090662N
Tomohiro Yoshida	Department of Applied Science for Electronics and Materials, Kyushu University	Materials Science Forum, Vols.638-642 (2010), 2921-2926	Growth of Cubic AlN Films on Sapphire(0001) with Atomic Scale Surface Smoothness by Pulsed Laser Deposition	090423N 090662N
Tsuyoshi Yoshitake	Department of Applied Science for Electronics and Materials, Kyushu University	Japanese Journal of Applied Physics, 49 (2010), 015503	Structural and physical characteristics of ultrananocrystalline diamond/hydrogenated amorphous carbon composite films deposited using a coaxial arc-plasma gun	090423N 090662N
Tsuyoshi Yoshitake	Department of Applied Science for Electronics and Materials, Kyushu University	Japanese Journal of Applied Physics, 49 (2010), 019201	Erratum: "Near-Edge X-ray Absorption Fine-Structure, X-ray Photoemission, and Fourier Transform Infrared Spectroscopies of Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films"	090423N 090662N
Y. Tai	Materials Research Institute for Sustainable Development, Chubu Research Base of National Institute of Advanced Industrial Science and Technology (AIST Chubu)	Journal of Catalysis, 270 (2010), 234-241	Depletion of CO oxidation activity of supported Au catalysts prepared from thiol-capped Au nanoparticles by sulfates formed at Au-titania boundaries: Effects of heat treatment conditions on catalytic activity	080634N
Mingjiong Zhoua	Interdisciplinary Graduate School of Engineering Sciences, Kyushu University	Journal of Power Sources, 195 (2010), 4952-4956	Thermal stability of FeF ₃ cathode for Li-ion batteries	100635N 1102016N 1109087N