

Additional Program (Late News Paper Program)

Oral Session

7C-5:Nanocarbon Application 7C-5-2L 11:05 Graphene Field-effect Transistor-based Influenza-virus Detection T. Oe 1, Y. Ohno 1, K. Maehashi 1, K. Matsumoto 1, Y. Watanabe 1, K. Ikuta 1, T. Kawahara 2 and Y. Suzuki 2, 1 Osaka Univ. and 2 Chubu Univ., Japan

7P-7: Poster Session I

Nanocarbons		Nanocarbons	
7P-7-119L Responses for mechanical strain/stress of single walled carbon nanotube thin film deposited on piezoelectric flexible sheet T. Taira , T. Ikawa, H. Hotta, H. Tabata, O. Kubo and M. Katayama, Osaka Univ., Japan	7P-7-120L Computer-Aided Molecular Design of Functional Graphene Nano-flakes: DFT Study S. Abe and H. Tachikawa, Hokkaido Univ., Japan	7P-7-115L Enhanced Performance of 2D Graphene Oxide/ZnO Nanoparticle in Dye-sensitized Solar Cells C.-H. Hsu 1,2, C.-C. Chen 1, C.-C. Lai 2, L.-G. Chen 1 and P.-S. Chan 1, 1 Natl. Taipen Univ. of Technol. and 2 Bichen Technol., Taiwan	7P-7-117L Production of Carbon Nanocoils using a Spray Pyrolysis Chemical Vapor Deposition Method W.K. Huang 1, K.J. Chung 1, Y.M. Liu 1, N.W. Pu 2, M.D. Ger 1, M.J. Youh 3, 1 Natl. Defense Univ., 2 YuanZe Univ. and 3 Hsing Wu Univ., Taiwan
7P-7-121L Planar Junctionless Poly-si Thin-film Transistors with Single Gate and Double Gate C.H. Chou, I.-C. Lee, D.-C. Lei and H.-C. Cheng, Natl. Chiao Tung Univ., Taiwan	7P-7-122L Fabrication of the Field Emission Lamp and Morphology Transform Analysis of Carbon Nano-coils K.J. Chung 1, C.C. Chiang 1, Y.M. Liu 1, M.J. Youh 1, N.W. Pu 3 and M.D. Ger 1, 1 National Defense Univ. 2 Hsing Wu College and 3 Yuan Ze Univ., Taiwan	7P-7-118L Solution-processed Al ₂ O ₃ for gate dielectrics in the Top-Gated Graphene Field Effect Transistors G.-H. Park, H. Fukidome, T. Suemitsu, T. Otsuji and M. Suemitsu, , Tohoku Univ., Japan	
Nanofabrication		Nanodevices	
7P-7-124L Aluminum Doping of 4H-SiC using Chemical Wet Laser Processing D. Marui, A. Ikeda, K. Nishi, H. Ikenoue, T. Asano, Kyushu Univ., Japan	7P-7-125L Microcontact Printing of Thermo-sensitive Nano Pd Catalytic Ink For High Uniformity Nickel Pattern P.C. Wang, Y.C. Chen, W.K. Huang, C.P. Chang, Y.M. Liu and M.D. Ger, 1 Natl. Defense Univ., Taiwan	7P-7-126L Electrical transport in multi-layered silicene measured by multiple-scanning-probe microscope O. Kubo ^{1,2} , P. De Padova 3, B. Olivieri 4, C. Quaresima 3, G. Le Lay 5, M. Aono 2 and T. Nakayama 2,6, 1 Osaka Univ., 2 NIMS, Japan and 3 ISM, 4 ISAC, Italy, 5 Aix-Marseille Univ. France and Univ. of	

8P-11: Poster Session II

Advanced Photolithography	Electron and Ion Beam Technologies		Inorganic Nanomaterials	
8P-11-119L Removal of Micro Bubble Trapped on Resist Micro Pattern by Dipping into Low Surface Tension K. Takahashi 1, A. Takano 2 and A. Kawai 2, 1 Nissan Chemical Industries and 2 Nagaoka Univ. of Technol., Japan	8P-11-120L Surface potential distribution of a resist film irradiated by electron beam K. Kumagai, M. Otani, S. Hosoi and M. Kotera, Osaka Inst. of Technol., Japan	8P-11-121L Measurement and simulation of fogging electron distribution in a scanning electron microscope S. Hosoi, M. Otani, K. Kumagai and M. Kotera, Osaka Inst. of Technol., Japan	8P-11-122L Optical and Thermal Study of Synthesized SnS Nanomaterials M.D. Chaudhary 1 and S.H. Chaki 1, Sardar Patel University, India	8P-11-123L Temperature Dependence of Sulfur Vapor Annealing of FeS ₂ Films by Electro Spray Deposition Method T. Doe, Y. Ishikawa, K. Nabesaka, M. Horita and Y. Uraoka, Nara Inst. of Sci. and Technol., Japan
Inorganic Nanomaterials			Microsystem Technology and MEMS	
8P-11-124L Synthesis of ZnSe Nanocrystals in Apoferritin Cavity S. Li and S. J. Park, Gachon Univ., Korea	8P-11-125L Preparation of WO ₃ Nanorods by a Hydrothermal Method for Electrochromic Device C.-H. Lu 1, M. H. Hon 1, C.-Y. Kuan 1 and I.-C. Leu 2, 1 Natl. Cheng Kung Univ. and 2 Natl. Univ. of Tainan, Taiwan	8P-11-126L In situ Observation of Negative Electron Affinity Surfaces during Photoelectron Emission by Surface Photo-Absorption Method K. Hayase, K. Suzuki, Y. Inagaki, R. Chiba, S. Midorikawa, H. Iijima, and T. Meguro,, Tokyo University of Science, Japan	8P-11-127L Micro Pattern Fabrication of Perfluorosulfonic Acid (PFSA) Film by CF ₄ RIE Process Y. Sakurai, D. Tanaka, S. Ohata and A. Kawai, Nagaoka Univ. of Technol., Japan	8P-11-128L Photoresist/Pt Electrode/Perfluorosulfonic Acid (PFSA) Multilayer Structure for Single Chip Micro Direct Methanol Fuel Cell Y. Sakurai, D. Tanaka, S. Ohata and A. Kawai, Nagaoka Univ. of Technol., Japan
Microsystem Technology and MEMS				
8P-11-129L Chip-less Wireless Neural Probes based on One-port SAW Delay Line and Neural Firing-dependent Capacitors I.K. Jung and K. Lee, Ajou Univ.,				

Withdrawn List

7C-4:Graphene 7C-4-4 10:10 Stacking Structure Observation in Twisted Bilayer Graphene using Aberration-corrected Transmission Electron Microscopy J.M. Yuk 1,2,3, H.Y. Jeong 1, N.Y. Kim 1, M.J. Lee 1, J.Y. Lee 2,3 and Z. Lee 1, 1 UNIST., 2 Inst. for Basic Sci. and 3 KAIST, Korea	Nanodevices 7P-7-30 Withdrawn Hybrid Nanostructure consisting of a Nanoneedle and Nanodot for Ionization Gas Sensing Application H. Liu and Y. Huang, Nanyang Technological Univ., Singapore	Nanodevices 7P-7-48 Withdrawn Field-emission and Photodetector Characteristics of GZO Nanorods C.-S. Huang 1, C.-H. Hsiao 2, M.-Y. Chuang 2, Y.-C. Chen 2, S.-J. Young 3, Y.-K. Su 2 and S.-J. Chang 2, 1 Natl. Yunlin Univ. of Sci. and Technol., 2 Natl. Cheng Kung Univ. and 3 Natl. Formosa	Nanofabrication 7P-7-51 Withdrawn Electrical Characterization of Metal-ferroelectric-insulator-semiconductor having Double Layered Insulator for Memory Applications L.N. Ismail, M.H. Wahid, Z. Habibah, S.H. Herman, M.D. Rozana and M. Rusop, Univ. Teknologi MARA, Malaysia	Nanofabrication 7P-7-58 Withdrawn Nanosilver Particles Composite Prepare by Isopropanol Cold Plasma Interface Layer and UV-graft PolyAAC for Post Reduction of Silver Ion on the Substrate K.-S. Chen 1, Y.-S. Wei 1, C.-W. Chou 2, C.-K. Feng 3 and W.-Y. Chen 4, 1 Univ. of Tatung, 2 China Medical Univ., 3 Veterans General Hospital and 4 Natl. Taiwan Univ.
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Inorganic Nanomaterials 7P-7-72 Withdrawn Effect of Extra Pb Excess on Dielectric and Structural Property of PbTiO ₃ Thin Films Capacitor Z. Nurbaya, L.N Ismail, Z. Habibah and M. Rusop, Univ. Teknologi MARA, Malaysia	7C-5:Nanocarbon Application 7C-5-2 Withdrawn CVD-Synthesized Graphene-FET Array for Biomolecule Detection M.Z. Nursakinah 1, Y. Ohno 1, K. Maehashi 1, K. Kawahara 2, H. Ago 2 and K. Matsumoto 1, 1 Osaka Univ. and 2 Kyushu Univ., Japan	8D-9:Inorganic Nanomaterials III 8D-9-3 11:15 Si1-xGex Core-shell Alloy Nanowires with Defected Shell for Low Thermal Conductivity J. Lee 1,2, E.K. Lee 1, K. Heo 1,3, L. Yin 4, C. Yu 4, B.L. Choi 1, D. Whang 1,2 and S. Hwang 1, 1 Samsung Advanced Inst. Technol., 2 Sungkyunkwan Univ., 3 Korea Univ. Korea and 4 Texas A&M	Inorganic Nanomaterials 8P-11-67 Withdrawn Synthesis of Gallium Nitride Nanoparticles by DC Arc Thermal Plasma T.-H. Kim, S. Choi and D.-W. Park, Inha Univ., Korea
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