

### 3/10 (THU) Poster Session 3

Presentation No.	Presenter	Title
10P01	Tsuyoshi Kobayashi	Measurement of reactive species in neutral-pH solutions treated with neutral oxygen radicals
10P02	Rose Ann Rogio	Effects on germination and seedling growth of mung beans ( <i>Vigna radiata</i> L. Wilczek) via RF plasma modification of seed coat
10P03	Akikazu Sakudo	Antibody-integrated graphite-encapsulated magnetic beads, produced using ammonia gas plasma technology, for capturing dengue virus
10P04	Akikazu Sakudo	Damages of genomic DNA of bacterial spore by nitrogen gas plasma treatment
10P05	Chang-Min Lee	In vitro bactericidal efficacy of atmospheric pressure plasma jet on titanium-based implant infected with <i>Staphylococcus aureus</i>
10P06	Da-Hye Lee	Surface Modification of 3D PCL Scaffolds by Atmospheric Pressure Plasma Treatment for Improving Preosteoblast Cell Affinity
10P07	Hiroshi Hashizume	Induction of human breast cancer cells to selective death by plasma-activated medium
10P08	Yosuke Mori	Effects of phosphate buffered saline treated with atmospheric-pressure oxygen-radical source on mouse fibroblast cells
10P09	Hiromasa Yamada	Optical emission spectroscopic measurements of a low energy atmospheric pressure plasma flare to study the plasma induced blood coagulation
10P11	Takumi Kumakura	Gas-Phase Diagnostics of AC Excited Non-equilibrium Atmospheric Pressure Plasma Jet for Bio-medical Application
10P12	Akira Yonesu	Inactivation of Fungal Spores Using UV/Ozone Method
10P14	Yuji Ogata	Effects of VUV photons from He-APPJ on crosslinked albumin films
10P15	Syuhei Hamajima	Low-temperature Pasteurization of Powdered Green Tea Leaves using Atmospheric Pressure Non-equilibrium Plasma
10P16	Kuniaki Sugiura	Study of Selective Bacteria Detection from Simulated Contaminated Aqueous Solution Using Antibody-integrated, Plasma-modified Magnetic Nanoparticles
10P17	Mary Gericca Dol	Surface Modification of Eggshell-derived Hydroxyapatite
10P18	Kota Yusa	Decrease in the diffusion coefficient of the lipid bilayer membrane before and after dielectric barrier discharge irradiation
10P19	Chih-Tung Liu	Sterilization Efficiency Enhancement by Using Magnet-Assisted-Plasma Jet

10P20	Zhi-Hua Lin	Argon-based Atmospheric-Pressure Planar Plasma Jet with Its Applications
10P21	Kuang-Yao Cheng	Acute Wound Healing by Low-Temperature Argon Plasma Jet Treatment
10P22	Chun-Ping Hsiao	Using Aerosol-Assisted Atmospheric Pressure Plasma Deposition in Bio-Composite Thin Film Manufacturing Process
10P23	Yousuke Ishisaka	Silicon nanoparticles synthesized by pulse-modulated induction thermal plasmas with intermittent feedstock feeding
10P24	Tzu-Tung Chang Chang	Low Temperature Plasma-Induced Graft Polymerization of Acrylic Acid on Polyethylene terephthalate by Dielectric Barrier Discharge Plasma
10P25	Hsiao-Lin Li	Spectroscopic Evaluation of Cyclonic Atmospheric Pressure Plasma combined with the Chemical Generation of Its Polymer Surface Modification
10P26	Tzu-Tung Chang Chang	Optical Emission Analysis of Atmospheric Pressure Methane Plasma Chemical Vapor Deposition
10P27	Yin-Che Huang	The investigation of Radio Frequency n-Butane Plasma Polymerization in a Closed Reactor System
10P28	Ryosuke Okei	Investigation of platinum-catalyst supporting method on polymer electrolyte fuel cell using carbon nanowalls
10P29	Yu-Chien Tseng	SURFACE CHARACTERIZATION OF ATMOSPHERIC PRESSURE PLASMA TREATED SEPARATOR
10P30	Jen-Feng Lin	PMMA SURFACE ACTIVATION BY RF OXYGEN PLASMA TREATMENT
10P31	Sang-gweon Kim	THE PHENOMENON OF FRACTURE FAILURE IN EXPANDED PHASE OF AUSTENITIC STAINLESS STEEL VIA SCREEN PLASMA NITRIDING PROCESS
10P32	Jung-Hyung Lee	Synthesis and characteristics of ceramic oxides formed on a lightweight alloy by plasma electrolytic oxidation
10P34	Kenichi Naito	Fabrication of composite material comprising CNWs and transition-metal and its evaluation of Oxygen Reduction Reaction property for an application of Fuel Cell
10P35	Kyung-Hyun Kim	Study on CO <sub>2</sub> decomposition in CO <sub>2</sub> and Ar mixing gas inductively coupled plasma
10P36	Su B. Jin	Low-temperature PECVD process of silicon nitride film with radical and plasma diagnostics
10P37	Eunkyung Cho	Effect of hydrocarbon gases to hydrogen yield by plasma processing and catalytic reaction
10P38	Takefumi Kamioka	Effects of light soaking and thermal treatment on PECVD-SiN <sub>x</sub> passivation on n-type Si
10P39	Sung Geun Bae	Growth of Al linearly-graded AlGaN epilayer by using advanced HVPE

10P40	Chanbin Lee	Initial growth of AlN on patterned sapphire substrate by using HVPE
10P41	Injun Jeon	The AlGaIn layer grown on Si(111) substrate by HVPE method
10P42	Hunsoo Jeon	Carbon-Ga microspheres grown by using hydride vapor phase epitaxy
10P43	Yi Lu	Growth of AlInN Lattice-matched with GaN by Radical Enhanced Metal Organic Chemical Vapor Deposition
10P44	Masatomo Honjo	Control of growth behavior in the coalescence growth of GaN crystals by the Na-flux method
10P45	Wei-Chun Chen	The Role of the Multi Buffer Layer Technique on the Structural Properties of GaN films on Si substrate by RF-MOMBE
10P46	Guo-Yi Shiu	Optical properties of InGaIn light emitting diode by embedded distributed bragg reflectors
10P47	Yen-Ming Juan	Multi-functional sensors integrated with IBC solar cell as self-powered device
10P52	Lili Cui	Nanoparticles/Electret-Mediated Insulin Transdermal System: Preparation and Evaluation
10P53	Ryota Yamada	Preparation of Cu <sub>2</sub> ZnSnSe <sub>4</sub> film using Cu-Zn-Sn spin-coated precursor and dimethylselenide
10P54	Takashi Hattori	Oxygen storage capacity and reducing behavior of CeO <sub>2</sub> nanoparticles on Al <sub>2</sub> O <sub>3</sub> substrate
10P55	Kwon Yong Ji	High-temperature Oxidation of Nano-multilayered TiAlSiN Films
10P56	Hiroshi Nagasaka	The growth rate and the electrochemical properties of boron doped diamond films prepared by hot-filament chemical vapor deposition methods
10P57	Quang Nhat Tran	Efficiency enhancement by Using Silver as metallic plasmonic nanoparticle for light trapping in Organic Solar Cells
10P58	Seung hyun ha	Texturing of mc-silicon wafer for PV cells
10P60	Chuan Pu Liu	Investigation on Seebeck coefficient of SiGe with quantum-well structure
10P61	Ar Syazwana Abd Rahm	Optical Absorption Spectra in Amorphous Silicon Oxide Thin Film Solar Cells by Fourier Transform Photocurrent Spectroscopy
10P62	Hideki Inayoshi	Evaluation of Local Photovoltaic Properties in Silicon Based Thin Film Solar Cells
10P64	Ching-Yung Chen	Carbon coated on the graphite surface as an anode for Li-ion battery

10P65	I-Kuan Lin	Conductive Carbon Additives of Cathode for Lithium-ion Battery
10P66	Po-Tse Tseng	Catalytic Oxidation of Nanocarbons over Copper Catalysts at Low Temperatures
10P67	Pei-Lun Wang	Formation of cupric oxide nanostructures using chemical precipitation and their applications in enzyme-free glucose sensors