

3/5 (MON) Poster Session 1

Presentation No.	Abstract No.	Presenter	Title
05P01	1001	Chun-Po Yang	High Performance Thin Film Transistors using Amorphous Indium Gallium Oxide Bilayer Channel
05P02	1002	Hiroharu Kawasaki	Preparation of metal doped SiO ₂ thin film by sputtering method using powder targets
05P03	1005	Jae-Won Lim	Reduction of metallic and interstitial impurities from TiAl alloy scraps by hydrogen plasma arc melting
05P04	1006	Yung-Sen Lin	Low temperature atmospheric pressure plasma-polymerized electrochromic WTi _x FexO _y Cz thin films for flexible electrochromic
05P05	1017	Zhi-Wei Gu	Enhanced scratch resistance of flexible polyethylene terephthalate substrates by low temperature atmospheric pressure plasma-polymerized organoaluminum oxynitride films
05P06	1019	Hiroyuki Fukue	Micro-arcng Rate of DLC Films Using Bipolar HiPIMS Method
05P07	1020	Jui-Hung Chen	Organosilicon oxynitride films deposited onto flexible carbon fiber sheets for improving surface hardness using an atmospheric pressure
05P08	1023	Jeong Yeon Lee	Computational Modelling of 900-MHz Argon Plasma Jet at Atmospheric Pressure
05P09	1030	Juan Pablo Trelles	Computational Simulation of Nonequilibrium Arc-Gas Flow Interaction
05P10	1035	Kangil Kim	The separation of oil in water using underwater plasma
05P11	1036	Hiroto Matsuura	Quantitative visualisation of reactive oxygen radical in solution irradiated by atmospheric pressure plasma
05P12	1037	Tatsuru Shirafuji	Efficiency of OH radical production in 3D integrated micro solution plasma
05P13	1041	Chiung-Wei Lin	Preparing p-type ZnO by Micro-oxidation of PVD-ZnN
05P14	1047	Yung-I Chen	Oxidation Behavior of RuAlZr Multilayer Coatings
05P16	1051	sittinun tawkaew	Decolorization of Methylene Blue by Ar Non-thermal Plasma
05P17	1052	Yuichi Imai	Clinical application of DLC thin film to denture by inverter power supply type plasma CVD method
05P18	1053	Sagr Hsain	Deposition of photo-catalytic TiO ₂ film by low power atmospheric suspension plasma spray using Ar/N ₂ working gas
05P19	1054	Kazuo Satoh	Investigation on the Gate Insulator Thickness Dependence of ZnO-SnO ₂ Thin Film Transistors
05P20	1065	Geoffrey Ronoh	Application of Thermal Sprayed TiO ₂ Film to Photovoltaic Device of DSSC
05P21	1066	Akihisa Ogino	Thermal Desorption of Cs on Microwave Plasma Treated Si Surface Investigated by Means of Thermionic Emission
05P22	1067	Paolo Edward Tan	Wettability and Solvent Analysis of Plasma Polymerized Polystyrene Using an Argon-Fed Atmospheric Pressure Plasma Jet
05P23	1068	Oliver Streeter	Langmuir Probe Analysis of Various Multicusp Configurations on an Ar-C ₂ H ₂ Plasma in a Hot-Filament Type DC Ion Source
05P24	1069	Yu-Lin Kuo	Application of functionally hydrophobic coating by atmospheric pressure plasma jet
05P25	1074	Katsuyuki Takahashi	Influence of Electric Parameters on Hydroxyl Radical Production Efficiency Using Discharge Plasma inside Bubble in Water
05P26	1076	Chun Yi Chiang	Application in Surface Modification with Different Material and Geometry of Ground Electrode by Direct Air Dielectric Barrier Discharge Plasma
05P27	1080	Tamiko Ohshima	Preparation of nickel nitride thin films by plasma deposition process

05P28	1084	Chun-Ping Hsiao	Effect of Adhesion and Polymerization in Aerosol-assisted Atmospheric Pressure Plasma Deposition Process
05P29	1086	Yuki Kondo	Effect of Substrate Bias for Removal of DLC Film by Using Oxygen Plasma
05P30	1087	Li-Chun Chang	Tribological Behavior and Oxidation Resistance of Cr-W-N Coatings by High Power Impulse Magnetron Sputtering
05P31	1093	Shuichi Kato	Accurate Improvement of Binary Collision Approximation based Density Functional Theory in Recoil and Sputtering Processes
05P32	1009	Dong-Bok Lee	High Temperature Oxidation of WC-ZrN Thin Film
05P33	1024	Ying Li	Deposition of HMDSZ/O ₂ Plasma and Preparation of Polymer Acrylic Acid with Silver Nanoparticles on Bamboo Charcoal
05P34	1026	Nian-Cih Xu	Chemical solution assisted growth of TiO ₂ -ZnS composite rods and their gas-sensing performance
05P35	1034	Zhen-Wei Liu	Crystal growth and photoconductive characteristics of ReS ₂ and ReSe ₂
05P36	1040	Hong-Yi Lee	Rapid, Low-Temperature Growth of Sub-10 nm Silica Nanowires from Solid Silicon Source and Plasma-Activated Platinum Thin Films
05P37	1044	Li-Tsen Lai	Fabrication of B-Ga ₂ O ₃ humidity sensor with 1-D nanowire structure
05P38	1055	Phatranit Dumrongrojthanath	Microwave-hydrothermal synthesis of BiOCl/Bi ₂ WO ₆ nanocomposites
05P39	1056	Wachiraporn Maisang	Synthesis, characterization and photocatalytic performance of BiOCl/BiPO ₄ composites under visible light irradiation
05P40	1058	Panudda Patiphatpanya	Effect of microwave power on phase, morphology and photocatalysis of BiOI/O ₃ nanostructure
05P41	1059	Hong-Ying Chen	CuAlO ₂ thin films prepared using atmospheric pressure plasma annealing
05P42	1060	Lin-Zheng Guo	Fabrication of lateral graphene-based bipolar junction transistor
05P43	1064	Ruiling Wang	Photoelectrochemical Performance of BiVO ₄ -based Photoanode with A Z-scheme
05P44	1072	Chin-Ming Chang	Investigation of nano-Cu ₂ O/ZnO heterojunction solar cells fabricated by electrochemical deposition
05P45	1081	Seiji Funaki	Change of Electric Resistance of Carbon Nanotube Filaments Formed by Gas Discharge Breakdown during Those Lengthening Process
05P46	1088	Kan Sakakibara	Preparation of Pt/Carbon-Sphere As the Cathode Catalyst of PEFC
05P47	1091	Takashi Itoh	DC Bias Effect on Growth of Carbon Nanowalls by Hot-Wire Chemical Vapor Deposition
05P49	1097	Canghao Li	Safe, economical and ultra-fast-charging secondary batteries using single-walled carbon nanotubes
05P50	1107	Takashi Hattori	Ar ⁺ sputtering-induced reduction of CeO ₂ nanoparticles on Al ₂ O ₃ substrate
05P51	1108	Shoji Ando	Preparation and hydrogen storage properties of Au-Pd alloy and composite nanoparticles
05P52	1109	Atsuhiko Masuda	Hydrogen absorption and catalytic properties of Pd-based nanophase alloy composites
05P53	1111	Chun Huang	The Comparison of Radio Frequency Difluoromethane and Methane Plasma Polymerizations in a Closed Reactor System
05P54	1119	Shuhei Nozue	Influence of Nb addition on magnetic properties of FeSiB amorphous films
05P55	1125	Sarath Bab Duraisamy	Change in Spatial Distribution of Platelet Al ₃ Ti Particles in Al-Al ₃ Ti Composite by Equal Channel Angular Pressing
05P56	1127	Kyosuke Kimura	Magnetic properties of thermally annealed few-layered graphene oxide
05P57	1131	Syusuke Taniai	Effects of Heterogeneous Nucleation Site Content on Grain Refining Performance of Al-Al _{2.7} Fe _{0.3} Ti Refiners Fabricated by Spark Plasma
05P58	1132	Manabu Yasui	Aluminum nano dot pattern formation with Ni-W nano electroformed mold

05P59	1135	Chih-Yi Fang	Microplasma-assisted fabrication of QD/Au heterostructures for SERS detection
05P60	1138	Hironori Sugiyama	Influence of fluorination on nitrogen adsorption of activated carbon fibers
05P61	1004	Naoto Kihara	Plasma etching processes of a polyethylene terephthalate (PET) membrane filter for biomedical applications
05P62	1012	Sukhwai Ma	Characteristics of porous-discharge plasma jet in water and its application of bacterial inactivation
05P63	1015	Lili Cui	Influence of plasma charged electret in 5-fluorouracil distribution in transdermal patch and release behavior
05P64	1025	Chan Hoon Ahn	Antibacterial Efficacy of Airborne Bacteria Using Dielectric Barrier Discharge at Atmospheric Pressure
05P65	1027	Chang-Min Lee	Amine plasma-polymerized film surface modulate iPSC-derived human mesenchymal stem cell adhesion and differentiation
05P66	1028	Do-Man Kim	Effectiveness of micro-scaled grid culture for human induced pluripotent stem cells stable maintenance
05P67	1031	Ho-Tae Kim	Synergistic effect of piperlongumine in combination with non-thermal plasma on the treatment of gastrointestinal cancer cells
05P68	1032	Young-IL Jeong	Combination of photodynamic treatment and cold plasma for the treatment of gastrointestinal cancer cells
05P69	1039	Taito Iraha	Development of Ozone/UV Sterilization Method
05P70	1062	Miguel Ricardo Hilario	Hydrophobic Recovery and Growth Properties of Asian Rice Seeds (<i>Oryza Sativa</i>) With Atmospheric Plasma
05P71	1070	Taisei Kondo	In-situ observation of molecular diffusion of supported lipid bilayer in various liquids irradiated with oxygen radicals
05P72	1307	Hyon Chol Kang	Synthesis and characterization of hydroxyapatite nano-structures by hydrothermal process
05P73	1308	Hyon Chol Kang	Sn-doped beta-Ga ₂ O ₃ thin films grown by radio-frequency powder sputtering method
05P74	1309	Yu-Lun Yeh	Rational Design of Nanocarbons for Catalytic Reduction of 4-nitrophenol (4-NP)
05P76	1313	Dong Bok Lee	High-temperature Oxidation of TiAlCrSiN Thin Films
05P77	1317	Yong-Seon Shin	Fabrication of antireflective Si surfaces using slanted plasma etching
05P78	1319	Takayuki Ohta	Characterization of Polymer Electrolyte Fuel Cell Using Carbon Nanowalls for Catalyst-Support-Materials
05P79	1322	Ji-Hoon Ahn	Plasma-enhanced Atomic Layer Deposition of Molybdenum Compounds Thin Films Using Mo(CO) ₆ with Various Plasma Gases
05P80	1323	Ji-Hoon Ahn	Growth Phenomena and Mechanism of MoS ₂ Formed by Conventional Chemical Vapor Deposition
05P81	1324	Jui-Hsuan Tsai	Inverted planar perovskite solar cells with nitrogen DBD treated active layer
05P82	1325	Hung-Hua Chien	Application of atmospheric-pressure plasma jet processed reduce graphene oxide (rGO)-carbon black (CB) to quasi-solid-state gel-electrolyte supercapacitor
05P83	1304	Yan-Hong Lai	Low temperature atmospheric pressure plasma-polymerized electrochromic WTi _x O _y Cz thin films for flexible electrochromic device
05P84	1314	Chun Huang	New Developments of Surface Activation on Polycarbonate Using Linear Dielectric Barrier Discharge
05P85	1315	Chun Huang	Optical Emission Analysis and Contact Angle Examination of Cyclonic Atmospheric Pressure Plasma Activated Acrylonitrile Butadiene Styrene
05P86	1316	Jin-Su Park	Angular dependence of Si ₃ N ₄ etch rates in C ₄ F ₆ /CH ₂ F ₂ /O ₂ /Ar plasmas
05P87	1320	Hiroki Oota	Pressure Gradient Sputtering to Achieve High Deposition Rate for Metal Thin Film
05P88	1330	Ching-Yu Wang	Diagnostic Study of Plasma in Solution by Using Bipolar Pulsed Voltage: How Pulsed Voltage Influences the Plasma Optical Emission?
05P89	1334	Yudai Tomita	Fabrication of nanostructured TiO ₂ by He plasma irradiation

05P90	1337	Fu-Yu Yang	The Design and Development of a Novel Portable Microplasma Generation Device for Detection of Metallic Ions in Aqueous Solutions
05P91	1338	Qi-Ming Jian	The Development of a Cellphone-Based Spectrometer for Acquisition of Plasma Optical Emission Spectroscopy to Discrimination of Different Gas
05P92	1342	Mardiansyah Mardis	Fabrication of Carbon-Gold Nanoparticles by Pulsed Laser Ablation under Ethanol-Pressurized CO ₂