

3/6 (TUE) Poster Session 2

Presentation No.	Abstract No.	Presenter	Title
06P01	1096	Tomohiro Nojima	He Plasma Irradiation to Noble Metals
06P02	1098	Haruo Uyama	Web Coating of Functional Films
06P03	1103	Yudai Tomita	Fabrication of nanostructured TiO ₂ by He plasma irradiation
06P04	1105	Deepak Subedi	Study of Stability of Hydrophilicity of Polymers Modified by Atmospheric Pressure Dielectric Barrier Discharge.
06P05	1118	Shi-Xiang Chen	Low-voltage operation of ultra thin TiO ₂ resistive random access memory
06P06	1120	Wei-Ming Chen	Structure and wettability of ZnS (111) textured films deposited by magnetron sputtering at room temperature
06P07	1122	Soma Yamamoto	Influence of Carrier Gas for Etching of Silicon Nitride Film on Silicon Solar Cells using Surface Discharge Plasma
06P08	1124	Min-Chuan Wang	Metal oxide layer fabricated with the cathodic arc plasma in-situ doping process
06P09	1126	Koichi Takaki	Generation of high-density plasma by burst-mode high-power inductively-coupled plasma
06P10	1134	Yoshiharu Kakehi	Effect of oxygen addition on the electromechanical property of TiC thin films
06P11	1136	Yuui Kijyou	Decomposition of acetic acid using atmospheric-pressure non-thermal plasma
06P12	1146	Pi-Chun Juan	Fabrication and Characterization of Thermochromic Vanadium Dioxide (VO ₂) Thin Films Prepared by High Density Plasma Source
06P13	1147	Tsuyoshi Tanimoto	Influence of Substrate Bias of DLC Film prepared by Pulse Arc Jet Plasma
06P14	1149	Masahiro Yamazaki	Decomposition of carbon dioxide by recombining hydrogen plasma with a low electron temperature
06P15	1151	Giichiro Uchida	Analysis of amino acids in plasma-activated water with mass spectrometer
06P16	1158	Li-Wen Su	Two-dimensional simulations of triode VHF SiH ₄ /H ₂ plasma
06P18	1163	Makoto Moriyama	Axisymmetric Two-Dimensional Modelling of Inductively-Coupled Plasma Sources with Faraday Shield for Self-Consistent Simulation
06P19	1166	Yuki Miwa	Friction property of Silicon-doped Diamond-Like Carbon film deposited by magnetron sputtering
06P20	1168	Ryoya Katsuya	Measurement of plasma-irradiated lipid bilayer by sum frequency generation spectroscopy
06P21	1169	Yosuke Koike	Space-Resolved Measurement of Microwave Power along Waveguide in Atmospheric Pressure Microwave Line Plasma
06P22	1170	Kazuki Onda	A Numerical Study on Tandem Type of Ar Induction Thermal Plasmas; Influence of the Gap Length between Upper and Lower Coils
06P23	1171	Kou Udagawa	Oxygen negative ion behavior in a VHF-superposed DC magnetron sputtering
06P24	1173	Shohei Fujimura	A coaxial-waveguide microwave plasma source for in-line treatment of large volume liquid
06P25	1175	Yuya Kino	BEHAVIOR OF SPECIES IN PLASMA-TREATED WATER
06P26	1178	Cheng Tien-Hung	Bandgap Engineered in Zinc Tin Oxide thin films for Ultraviolet Sensors
06P27	1187	En-Feng Tsai	Nanomechanical characterization of polar ZnO film

06P28	1188	Kosuke Takenaka	Low-temperature fabrication of high-performance IGZO thin film transistor using plasma-assisted reactive processes
06P29	1192	Haruka Suzuki	Water-vapor Atmospheric Pressure Microwave Plasma in an Air-Shielded Environment by Water Flow
06P30	1193	Valeria Shumova	Phase transitions in cryogenic dusty plasma in neon
06P31	1139	Kento Sagisaka	Pore structure of Hollow Activated Carbon Fibers composed of nano-sheets structure
06P32	1141	Kengo Kajikawa	Fabrication of catalyst layer for fuel cell with nanographene synthesized by in-liquid plasma
06P33	1143	Kazuki Matsushita	Lithium ion storage properties of graphite electrode under high-pressure
06P34	1144	Fumiya Nakamura	Fabrication of Microstructure Refiner for Hypoeutectic Al-Si Alloy Cast by Spark Plasma Sintering
06P35	1145	Anissa Azizan	Synthesis and Magnetic Properties of Ni Magnetic Wire Arrays
06P36	1156	Rihito Ota	Plasma Enhanced Chemical Vapor Deposition of Carbon Film into an 100-um-Diameter Hole under the Assistance of Source Gas Blowing
06P37	1160	Chen Guan-Jun	Microplasma-assisted synthesis of core-shell Au@Ag bimetallic nanoparticles for SERS applications
06P38	1161	Koichi Ito	Control of Surface Segregated Ultrathin Ge Layer Formation on Ag Surface
06P39	1172	Kai-Sheng Lin	Microplasma-Assisted Synthesis of GQD-AgNP Nanohybrids for SERS-based Detection
06P40	1174	Anissa Adiwena Putri	Angle Dependence in the Synthesis of BiOI Film via Dip Coating Method
06P41	1180	Chien Hao-Hsuan	Scalable synthesis of graphene quantum dots by mechanochemical-assisted solid exfoliations
06P42	1185	Souma Kurishima	Special quality improvement of a separator for fuel cells by graphene containing carbon film
06P43	1186	Yi-Lung Chung	Synthesis and characterization of FePt/ exfoliated montmorillonite nanocomposites for magnetic fluid hyperthermia application
06P44	1189	Yu-Hsuan Su	Optical property of ZnS nanowires grown by thermal evaporation method
06P46	1195	Wen-Hui Wang	Fabrications of Super-Hydrophobic and Oleophobic Films by Microwave Plasma
06P47	1203	Toshimitsu Nakano	Friction Property of a-C:H:Si:O Film Deposited by PECVD Employing Microwave Sheath-Voltage Combination Plasma
06P48	1206	Zhe-Yu Li	The SnO ₂ adding Palladium nanoparticles gas sensor for detect gas effects
06P49	1207	Keiichiro Noda	Comparison of conventional plasma carburizing and new plasma carburizing using microwave-enhanced high-density plasma generated
06P50	1210	Akiyoshi Takeno	Nano-void Control According to Laplace Pressure in Crazed Polypropylene Film
06P51	1211	Shih-Mao Lin	Development of asthma detection with the miniature and wearable hybrid sensors
06P52	1212	Yu-Zhan Zheng	The influence of CO and TVOC characteristics of SnO ₂ sensors by Au
06P53	1213	Shinya Takahashi	Modification of Carbon Fiber Surface by Microbubble Treatment Using Electrophoresis
06P54	1214	Yu-Lun Yeh	Rational Design of Nanocarbons for Catalytic Reduction of 4-nitrophenol
06P55	1216	Chen Jun-Xiang	One-step and controllable synthesis of heteroatom-doped graphene nanosheets by mechanochemical ball-milling
06P56	1217	Tomohiro Shimizu	Effect of pre-annealing condition on formation of Cu ₂ ZnSnS ₄ thin films using CS ₂
06P57	1218	Tomohiro Shimizu	Effect of an interlayer under Au catalyst for preparation of microscale holes in Si substrate by metal-assisted chemical etching
06P59	1222	Hitoshi Nozaki	Effects of Density-Gradient of Reactive Species on Oriented Growth of Carbon Nanowalls

06P60	1073	Mu Chien Wu	Long-lived Chemical Species in Inactivation of Spore by Using Atmospheric Plasma Activated Water
06P61	1077	Ki-Jun Kim	Homogenous surface coating of bone graft materials using fluidized bed plasma jet reactor system
06P62	1083	Masashi Okachi	Reaction mechanism in various solutions irradiated with nitric oxide radicals
06P63	1094	Akshay Vaid	Effect of Atmospheric Pressure Plasma on the Degradation of Pesticides on Vegetables
06P64	1095	Tsubasa Koga	Nanosecond Pulsed Electric Fields Induce Extracellular Trap Formation as a Neutrophil-Specific Immune Response in Human HL-60 Cells
06P65	1123	Toru Harigai	Preparation of Nutritious Water for Agriculture Using Multi-Spark Discharge System
06P66	1128	Saki Kojiya	Oxygen-radical pretreatment promotes cellulose degradation by cellulolytic enzymes
06P67	1150	Yuto Kitada	Analysis of color-change mechanism of raw horse meat irradiated with various radicals
06P68	1157	Ako Hayamizu	Inactivation of Exotoxins derived from Staphylococcus aureus using Atmospheric-Pressure Oxygen Radical Source
06P69	1167	Masayuki Nakamura	Growth promotion of radish sprouts using cold atmospheric-pressure plasma
06P70	1202	Hiromasa Yamada	Characteristics of Low Energy Atmospheric Pressure Plasma toward Protein Aggregation
06P71	1326	Chia-Chun Lee	Nitrogen atmospheric-pressure plasma jet processed nanoparticulate PtZnOx counter electrodes for dye-sensitized solar cells
06P72	1327	Hiroto Tachikawa	Interaction of Hydrogen Molecule with Metal doped Graphene Surface: Density Functional Theory (DFT) Study
06P73	1328	Takahiro Fukuzumi	Electronic States of Hydrogen Added Carbon Materials: Density Functional Theory (DFT) Study
06P74	1329	John Kenneth C. Valerio	Grafting of Acrylic Acid onto Microwave Plasma-treated Polytetrafluoroethylene (PTFE) Substrate
06P75	1331	Pakpoom Chansri	Effect of IZO films with oxygen plasma treatment for electrochemiluminescence cell applications
06P76	1332	Somchai Arunrungrusmi	Transparent ItiO film electrodes on PET by O2 plasma treatment for high performance flexible electroluminescence device
06P77	1333	Narong Mungkung	Synthesis of electrochemiluminescence device with ZnO:TiO2 nanoparticles Electrode
06P78	1335	Kiyoshi Mizuuchi	Thermal Properties of Various Kinds of Metal-Based Heat Dissipative Materials Fabricated by SPS
06P79	1336	Chun-Chieh Lin	Resistive switching memory device consisted of red bean water
06P80	1340	Mary Lizeth A. Anero	Fabrication of Electrospun Poly (Vinyl Alcohol) (PVA) with Zinc Oxide Nanoparticles
06P81	1343	Glenson R. Panghulan	Thermal and water absorption properties of plasma-polymerized nanosilica epoxy composite
06P82	1348	CHUNG WUNG BARK	High-efficiency organolead halide perovskite solar cell with the electron transport layer combined with ferroelectric complex oxides
06P83	1344	Ting Kai Yuan	The Design of a Portable High Voltage Module for Microplasma Generation Devices: the Circuit Consideration
06P84	1345	Yasutake Toyoshima	Proton-Mediated Enhancement of a-Si:H Growth at High Temperature in PECVD
06P85	1346	Christian Lloyd A. Silapan	Molecular Dynamics Study of the Interaction of Carbon with Cu(111) Surface
06P86	1347	Chung Wung Bark	Reducing the ferroelectric complex oxides bandgap for enhancement of the photovoltaic
06P87	1351	Magdaleno R. Vasquez Jr.	Corrosion Behaviour of Magnetron-Sputtered Titanium Nitride Thin Films
06P88	1352	Tanya V. Olegario	Hexamethyldisiloxane Plasma Coating of Residual Coconut Fibers as Reinforcement for Cement-Based Materials
06P89	1353	Sangmo Kim	Properties of SrMnO3 (SMO) films grown on the SrTiO3 substrate by rf sputtering with off-axis angle

06P90	1354	Peerasil Charoenyuenyao	Wettability of Beta-FeSi ₂ Films Formed via Facing-Targets Direct-Current Sputtering
06P91	1355	Andrea Gracia T. Cuevas	Properties of amorphous carbon films grown via low-energy ion beams of Ar-C ₂ H ₂ plasma
06P93	1306	Gamal Elaragi	Effect of Plasma Technology on Yield of Berseem Crop and Biochemical Analysis
06P94	1318	Gayeon Kim	A dielectric barrier discharge system for flexible substrates