

### 3/7 (WED) Poster Session 3

Presentation No.	Abstract No.	Presenter	Title
07P01	1196	Ting-Lin Cheng	Modification of Expanded Poly(tetrafluoroethylene) Membranes with zwitterionic and Cationic-polymer Materials by Atmospheric-pressure
07P02	1198	Zong-Ru Wu	Modeling for Unsteady State Growth of GaN/InGaN Multiple Quantum Wells by Metal Organic Chemical Vapor Deposition
07P03	1199	Kurbanbagama Rabadanov	Limitations of the local approximation for EDF in modeling of glow discharge plasma
07P04	1200	Anatoly Kudryavtsev	Gas impurity detection by wall probe current of nonlocal penning electrons in negative glow plasma
07P05	1201	Chang Yi-Chen	Facile synthesis of graphene quantum dots by microplasma-assisted electrochemistry
07P06	1204	Yeh Pei-Jun	Bottom-up, microplasma-assisted synthesis of GQDs from biomass
07P07	1221	Sangmo Kim	Effect of confined magnetic field on films prepared by using facing targets sputtering method
07P08	1230	Rafael Alexander Carreon	Charaterization of Low Energy Argon-Acetylene Ion Beam Using a Retarding Potential Electrostatic Energy Analyzer
07P09	1235	Toshiaki Yasui	Effect of laser irradiation on plasma electrolytic oxidation
07P10	1236	Keith Nealson Penado	Plasma pyrolysis of waste expanded polystyrene
07P11	1238	Katsuyoshi Tsumori	Motion of H- ion in low temperature plasma in a negative ion source for NBI
07P12	1239	Charmiene Jennifer Zafra	Enhanced wettability of Polycarbonate (PC) and Adhesion with Aluminum by Atmospheric-Pressure Plasma Jet Treatment
07P13	1241	Masahiro Hasuo	Observation of excited particles near a surface irradiated with an atmospheric pressure plasma jet by total-reflection emission
07P14	1242	J. H. Hsieh	The Enhanced Photothermal Phenomena of SiO <sub>2</sub> -Ag and TiO <sub>2</sub> -Ag Multilayered Thin Film Structure
07P15	1249	I-Jou Hsieh	Enhancing the responsivity of pentacene phototransistor by introducing a SiO <sub>2</sub> gate dielectric
07P16	1252	Yu-Chun Lin	Investigation the effects of gas flow rate on plasma properties by Thomson scattering
07P17	1253	Won-Seok Chang	Surface kinetics studies of silicon dioxide and silicon nitride etching processes in fluorocarbon plasmas
07P18	1255	Yueh-Han Huang	Atmospheric Pressure Plasma Jet Assisted Copolymerization of Sulfobetaine Methacrylate and Acrylic acid for Applications in Molecular Imprinted Polymer and Biosensing
07P19	1262	Kazunori Koga	A tailored voltage waveform plasma CVD method for carbon film deposition
07P20	1263	Shiori Azuma	Structural analysis of Au-nanoparticle-embedded polymer films synthesized on HAuCl <sub>4</sub> /gelatin aqueous solution irradiated with Ar DBD
07P21	1264	Hiroto Masunaga	Effects of micro-bubble assistance on the performance of 3D integrated micro solution plasma
07P22	1265	Shoma Miyamoto	Time evolution of RONS in water treated with air bubble plasma
07P23	1266	Masato Oshiro	Improvement of water permeability of a scaffold by irradiating atmospheric pressure plasma jet
07P24	1273	Hao-Yu Lin	Syntheses of Gold Nanoparticles by Atmospheric Pressure Plasma for Bioapplications
07P25	1275	Dmitrii Bogdanov	Influence of dust particles on the formation of spatial distributions of particles and fluxes in positive column of dc glow discharge
07P26	1276	Valeria Shumova	Spherical dust structures in neon cryogenic plasma

07P27	1278	Chi-Wen Liu	Simulation and optimization in microwave plasma jet reactor for fabrication of CVD diamond film
07P28	1285	Shenjie Qiu	Enhancement of Radio Frequency Glow Discharge Ignition by Pulsed Discharge at Atmospheric Pressure
07P29	1287	Shi Jianjun	Interaction Between Pulsed Discharge and Radio Frequency Discharge Burst at Atmospheric Pressure
07P30	1288	Ying Guo	Synthesis of multifunctional superhydrophobic antibacterial films and their surface properties
07P31	1289	Qianhan han	Effects of plasma plume inject into radio frequency atmospheric pressure glow discharge
07P32	1293	Keisuke Ueno	Spatially resolved laser absorption spectroscopy on a microhollow cathode He plasma
07P33	1223	Rina Akutsu	Fabrication and physical properties of Au/Ni bimetal nanowires
07P34	1225	Hiroko Ichikawa	Magnetic Behavior of Chemically Synthesized CoFe Nanoparticles
07P35	1227	Sheng-Kai Tong	Ultraviolet Induced Switchable Surface Wetting Behavior Of NiFe <sub>2</sub> O <sub>4</sub>
07P36	1228	Seong Gwan Shin	Characterization of UV detectors using Transition Metal Doped ZnO Nanoparticles
07P37	1232	Ji-Yeon Noh	Finite-Difference Time-Domain analysis for the various size gold nano hole
07P38	1233	Hyung Wook Choi	Characteristics of perovskite solar cells fabricated by using Lead-Tin mixed perovskite
07P39	1234	Haram Lee	Fabrication and effect of perovskite solar cells by spray process
07P40	1240	Taishu Oyama	Few-Layer Graphene Fabricated by Microwave Excited Surface-Wave Plasma Enhanced Chemical Vapor Deposition
07P41	1243	Y. J. Wei	Colored solar cells with transparent MgF <sub>2</sub> /TiO <sub>2</sub> /SiO <sub>2</sub> /TiO <sub>2</sub> multilayer thin films
07P42	1245	Takuya Suzuki	Elucidation of Nucleation Carbon Nanowalls grown in Inductively Coupled Plasma Chemical Vapor Deposition
07P43	1250	Yi Ting Xiao	Stacking the active layers to increase the power conversion efficiency of perovskite solar cells
07P44	1254	Wei-Hung Chiang	Engineering of iron-oxide-nanoparticle/graphene heteronanostructures using atmospheric-pressure microplasmas
07P45	1256	Wen-pin Lin	The influence of storage environment and temperature on Argon plasma treated RGP contact lens
07P46	1259	Wen-Yang Lin	Continuous Syntheses of CuO@Fe <sub>3</sub> O <sub>4</sub> via Micro-Reactor for the Degradation of Methylene Blue
07P47	1260	Hisashi Sato	Temperature Dependence for Formation Behavior of Nanocrystallized Layer by Surface Severe Plastic Deformation for Cu
07P48	1261	Takahiro Kunimine	Effects of Stacking Fault Energy on Mechanical Properties and Microstructures of Nanostructured Cu-Si Solid-solution Alloys Processed
07P49	1270	Chih-Chiang Yang	Enhanced field emission behavior of Al-Doped ZnO Nanorods with UV exposure
07P50	1274	Eun Kyu Kim	High Performance of ZnTe:Cr Based Intermediate Band Solar Cell
07P51	1277	Takuya Okada	High-density growth of single-walled carbon nanotube at low temperature by alcohol gas source method using Co catalyst
07P52	1282	Manasi Yadav Shrikrishna	Thermal stability of L12 modified (Al <sub>1-x</sub> Mex) <sub>3</sub> Ti heterogeneous nucleation site phases in Al
07P53	1292	Shinn-Gwo Hong	Applications of Reactive Compatible Solute Hydroxyectoine for Surface and Bulk Modification of Biocompatible Polymers
07P54	1294	Chung-Hao Chiang	Luminescence Characteristics of Na <sup>+</sup> - and Li <sup>+</sup> -doped Ca <sub>6</sub> BaP <sub>4</sub> O <sub>17</sub> :Sm <sup>3+</sup> Phosphors
07P55	1296	Yuki Ueda	Growth pressure dependence of graphene direct growth on r-plane sapphire by low-pressure CVD
07P56	1300	Takuya Suzuki	Structure control of carbon nanowalls grown using inductively coupled plasma enhanced chemical vapor deposition

07P57	1302	Shinho Yang	Inactivating Bioaerosols by Using the New Carbon-Nanotube Corona Discharge Plasma
07P58	1209	Keita Aoki	Development of Exosome Isolation by Porous Glass Device
07P59	1215	Takayoshi Koizumi	Activation of caspase signaling pathway in melanoma cells using oxygen- radical-irradiated medium
07P60	1229	Kentaro Uchida	Development of single cell separation and detection device for rapid microbiological analysis
07P61	1231	Yuta Tanaka	Evaluation of fungal-spore activity using oxygen-radical treatment
07P62	1248	Tsung-Hsin Yang	Cold Plasma Treatment and BMP-2 Grafting on DLC Thin Films by Promotion of biomedical application
07P63	1271	Shi-Wei Luo	Al doped ZnO nanorods of amperometric non-enzymatic glucose sensor
07P64	1279	Naoyuki Iwata	Long-term Bactericidal Activity of Plasma-activated Water
07P65	1281	Takuyoshi Doike	An AI-Enhanced Blood Glucose Sensing System Using Machine Learning Based on Recurrent Neural Network for Hypoglycemia Prevention
07P66	1284	Tatsuya Nishikawa	Surface Sterilization Using Electron Cyclotron Resonance Plasma
07P67	1286	Susumu Kato	Sustaining Mechanism of Low-Energy Atmospheric-Pressure Neon Plasma Jets
07P68	1298	Shinya Kumagai	Visualization of plasma-generated reactive species delivered in liquid via a micro through-hole
07P69	1022	Wenbin Tu	Performance optimization of 368 nm light emitting diodes by use of ultraviolet transparent Indium Tin Oxide (ITO): the Effect of in-situ
07P70	1078	Cedric Mannequin	Cl <sub>2</sub> /Kr based inductively coupled plasma etching of GaN
07P71	1129	Wei-qu Chen	Performance improvement of white light-emitting diodes by using wide reflectance bandwidth distributed Bragg reflector
07P72	1179	Injun Jeon	The modified mixed-source HVPE method for the growth of AlN epilayer
07P73	1181	Injun Jeon	Growth of AlN epilayers with AlGa <sub>N</sub> seed by Al+Ga mixed-source HVPE
07P74	1182	Sung Geun Bae	Growth and properties of AlN layers on patterned sapphire substrate
07P75	1183	Kyoung Hwa Kim	Growth of GaN on C-Cu compound substrate using HVPE method
07P76	1184	Hunsoo Jeon	AlN wire grown by using modified mixed-source HVPE
07P77	1251	Zhang De Xue	High color stability of white light-emitting diode with thermally activated delayed fluorescence
07P78	1295	Hsiu-Hsien Su	Relaxor Behavior of Lead-free Sodium Potassium Niobate-based Ceramics for Capacitance
07P79	1297	Hiroaki Ogura	Design and fabrication of ZnO-based SAW sensors
07P80	1299	Chung-Ming Weng	Piezoelectric Accelerometer of the Lead-Free NKLNTS-based Ceramics for Automobiles Applications
07P81	1503	Yaqiang Liao	Fabrication of Uniform GaN Nanowire Array with Smooth Non-polar Facets by Top-down Approach
07P82	1191	Shunduke Nishijima	Prediction of particle number density in suspension through bubble size during microwave irradiation
07P83	1159	Seiki Saito	Finite Temperature Effect on Helium Plasma Irradiation to Bubble-formed Tungsten Material
07P84	1305	Pyungho Choi	Hydrogen effects on dielectric capacitance and leakage current of stacked ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> films
07P85	1321	Masahito Kurouchi	Optimal approximation conditions of bivariate function for fabrication of 50 nm pattern formed by electron-beam lithography
07P86	1363	Amalraj Frank Wilson	Quality Dependence of Epitaxial Growth of GaN/InN on Different Rough Si Substrates by Radical-Enhanced Metalorganic Chemical Vapor

07P87	1350	Chung Wung Bark	Characteristics of bioactive HA/TiO <sub>2</sub> coating nanoparticles for biomedical applications by using SDBS as surfactant
07P88	1357	Allen Vincent B. Catapang	Doping of Amorphous Diamond Like Carbon Deposited via Low-Energy Ion Beams
07P89	1359	Vincent Joseph Garcia	Nanostructured Titania via Anodization of Titanium Films for Photocatalytic Application
07P90	1360	Rozen Grace B. Madera	Synthesis of TiO <sub>2</sub> Thin Films Deposited via Spray Pyrolysis on CuO Coated Substrate
07P91	1362	Vincent R Mejarito	Surface modification of (100) p-type Silicon via Ar-O <sub>2</sub> and Ar-N <sub>2</sub> Plasma
05P92	1048	Jun-Seok Oh	Vacuum Ultraviolet Absorption Spectroscopic Investigation for the Analysis of Plasma Activated Water