

3/2 (THU) Poster Session 1

Presentation No.	Abstract No.	Presenter	Title
02P01	1019	Antonius Fredi Kurniawan Adiputra	Preparation of Non-Enzymatic Sensor Based on Modified Gold Electrodes for the Detection of L-Cysteine
02P02	1026	Rou-Zhen Liu	Interfacing Three-Dimensional Organic Electrochemical Transistor with Cancer Diagnosis and Treatment Monitoring Applications
02P03	1039	Lili Cui	Influence of Plasma Charging Electret in Macrophage Migration
02P04	1046	Khanit Matra	Non-thermal argon-oxygen plasma for growth improvement of sunflower seeds
02P05	1051	Sheng-Yen Chen	Electrochemical Detection of Hepatitis B Virus using Methylene Blue and Modified Alumina Nanofibers on Disposable Electrode
02P06	1058	Tatsuya Nishikawa	Surface Sterilization Using Electron Cyclotron Resonance Plasma
02P07	1059	Norihito Abe	Surfacene sterilizations method using LF-microwave hybrid plasma
02P08	1061	Shu Chuan Liao	HMDSO Plasma Polymerization Induced Chlorhexidine Immobilization on the SS Mini-Screw Implants to Form an Antibacterial Effect
02P09	1063	Hsuan-Ping Chiang	Effect of Ambient Humidity on Nitrogen-based Low Temperature Atmospheric Pressure Plasma Jet for Cancer Therapy
02P10	1073	Ying Li	Fabrication and Characterization of PVP/TiO ₂ -WO ₃ Nanofibers via Electrospinning for Biosensor
02P11	1093	Chia-Yu Lin	Enhanced antibacterial efficiency of TaN-Ag nanocomposite thin films treated by air atmospheric pressure plasma jet in dry and wet environments
02P12	1121	Keith Neelson Penado	Plasma Treatment of Oryza sativa var. RC 23 seeds using an Atmospheric Plasma Jet System
02P15	1129	Kazunori Koga	Long-term evaluation of In nanoparticle transport in living body
02P16	1170	Hironori Ito	Novel soft ionization method for mass spectrometry using a carbon nanomaterial
02P17	1178	Kazunori Koga	Comparison of Gamma irradiation and scalable DBD on the decolorization of Dyes
02P18	1184	Kenshiro Yamamasu	Behavior of reactive oxygen/nitrogen species in plasma-treated water
02P19	1186	Takayoshi Koizumi	Inactivation mechanism of melanoma cells using medium irradiated by oxygen radicals
02P20	1187	Yuta Tanaka	Dependence of mold spores on oxidative stress through oxygen atoms
02P21	1192	Chang-Min Lee	Direct Differentiation of Mesenchymal Stem Cells to Osteogenic Cells Using Cold Atmospheric Plasma Treatments
02P22	1212	Young Hyoun Hwang	Dynamic Behavior of Bone Marrow-MSCs on PMMA Plates with Roughed Acrylic Acid Polymerization thin film by Low-Pressure Plasma Process
02P23	1235	Tsuyoshi Kobayashi	Inactivation of E. coli in Liquids Treated with Neutral Oxygen Radicals

02P24	1237	Yuto Kitada	Inactivation of E.coli on raw horse meat irradiated oxygen radicals
02P25	1257	Riku Nakano	DNA methylation in plant seeds irradiated by low pressure RF oxygen plasma
02P26	1279	Ssu-Yuan Lien	High sensitivity pH sensor based on metal oxide thin film extended gate FETs
02P27	1315	Kiichi Niitsu	A CMOS-based Bacteria-counting Sensor with 1024 x 1024 Bacteria-sized Microelectrode Array and Current Integration Circuit
02P28	1336	Masaki Kawase	NASBA Amplification and Detection of Micro-RNA Using Plasma-Treated CMOS FET-Based Redox Potential Sensor Array
02P29	1337	Yuuya Hayashi	Design and Physical Implementation of Pad-Less CMOS Biosensor Array Chip for Low-Cost Packaging-Less Bio-Imaging Platform
02P30	1343	Akira Yonesu	Influence of Plasma Irradiation on Silkworm
02P31	1351	Yuta Shimono	Inactivation of Pseudomonas aeruginosa using atmospheric-pressure oxygen radical source
02P32	1355	Shinhao Yang	Applying the Novel Plasma System for Inactivating Virus Bioaerosols
02P33	1017	Ching-Hsiang Chien	Investigating Characteristics of Cold Atmospheric Non-transferred Arc Plasma and Its Application
02P34	1029	Yung-Sen Lin	Enhanced surface hardness of flexible carbon fiber-reinforced polymer composites by low temperature atmospheric pressure plasma-polymerized organosilicon oxynitride films
02P35	1044	Hiroto Matsuura	Experimental confirmation of reactive radical roles in inactivation of Escherichia coli with remote plasma treatment
02P36	1053	Yi-Zeng Sun	Atmospheric pressure plasma jet assisted copolymerization of Sulfo betaine Methacrylate and Acrylic acid for biofouling applications
02P37	1079	Min-Chih Liao	Low temperature atmospheric pressure plasma-synthesized lithiated-iron-tantalum oxide thin films for reflective electrochromic devices
02P38	1081	Yin-Li Wang	Low temperature atmospheric pressure plasma-synthesized electrochromic WFe _x O _y C _z thin films for reflective electrochromic devices
02P39	1133	Yasunori Ohtsu	Surface treatment of silicon wafer by atmospheric pressure plasma jet with a tungsten rod coated by C ₂ F ₄
02P40	1181	Kazunori Iga	Measurement of Positive and Negative Ions in He Plasma Jet Using an Ambient Mass Spectrometry
02P41	1215	Giichiro Uchida	Measurements of the ROS and RNS in liquid treated by a nonthermal plasma jet
02P42	1300	Taisei Kondo	In-situ observation of molecule diffusion in supported lipid bilayer treated with oxygen radical-irradiated solutions
02P43	1323	Ifeanacho Anyadiiegwu	Fabrication of Low Cost Dye-Sensitized Solar Cell by Deposition of Photo-catalytic TiO ₂ film using 1kW Atmospheric Plasma Spray Equipment
02P44	1354	Hyeon Jin Seo	Plasma Treatment of Zinc to Improve degradation of Pollutant with Titanium dioxide photocatalytic Performance
02P45	1005	Valeria Shumova	Plasma parameters of the neon dc discharge with dust-void
02P46	1006	Valeria Shumova	Plasma trap for ions within a dust cloud in a dc discharge in neon

02P47	1008	Jae-Won Lim	Effect of Carbon Addition on Oxygen Concentration of Titanium during High Temperature Melting
02P48	1013	Jun-Seok Oh	Ambient Mass Spectrometric Diagnosis of an Atmospheric Pressure He Plasma Jet
02P49	1106	Aliena Mari Miranda	Optimization and Characterization of a DC magnetron sputtering system using space resolved Langmuir probe measurements
02P50	1118	Yoshihisa Fujita	Numerical Investigation of Higher-Order Modes in Miter Bend / Polarizer Miter Bend
02P51	1150	Shin Kajita	Laser diagnostics in low-temperature recombining helium plasmas
02P52	1177	Makoto Moriyama	Suppression of sputtering of dielectric window using Faraday shield in inductively coupled plasma
02P53	1179	Dogyun Hwangbo	Erosion Properties of Nanostructured Tungsten by Arcing in Magnetized Plasmas
02P54	1191	Masahiro Hasuo	Spatially resolved laser absorption spectroscopy on a microhollow cathode argon plasma
02P55	1227	Masahiro Hasuo	Emission spectroscopy with total reflection geometry for an atmospheric pressure, low temperature plasma jet
02P56	1229	Keisuke Ueno	Laser absorption spectroscopy for measurement of He metastable atoms of a microhollow cathode plasma
02P57	1233	Kensuke Suzuki	Population distribution of helium atoms in H ₂ -He mixture plasmas
02P58	1238	Jongsik Kim	Establish of an integrated diagnostics system for process plasma
02P59	1249	Dae Chul Kim	Study for Ion and Radical Characteristics (Mass/Energy Distribution) using Plasma Process Gas (C _x F _y) in the CCP Plasma Source
02P60	1269	Hikaru Senba	Shielding of plasma jets from ambient air by water flow certain
02P61	1276	Soemsak Yooyen	High Voltage Plasma Treatment by Using Automobile Direct Coil
02P62	1283	Chang Xijiang	Neutral Beam Source Based on a Surface Wave Plasma Generator
02P63	1292	Feng Liu	Investigation of the formation mechanism of the discharge currents with high duty cycle and microsecond pulse width in the DBDs at atmospheric pressure
02P64	1293	Mi-Young Song	Electron impact ionization cross section of C ₄ F _x (x=3-8) for plasma modeling
02P65	1306	Keiji Nakamura	Resonance Characteristics of Miniaturized Curling Probe and its Application to Electron Density Measurements
02P66	1322	Chen Shi-Jie	Modeling and Kinetic Analysis for GaN/InN/InGaN by Metal Organic Chemical Vapor Deposition
02P67	1332	Li-Wen Su	Two-dimensional simulations of VHF SiH ₄ plasma using plasma hybrid code
02P68	1035	Yijia He	Effect of Graphene Oxide on the Growth of Spinach
02P70	1043	Ruirui Hu	Graphene Oxide Modified Polyamide Nanofiltration Membranes for Selective Ion Transport, High Flux and Low Operation Pressure

02P71	1056	Mohamad Rusop Mahmood	Synthesis of Graphene from Palm Oil as a Green Carbon Source via Thermal Chemical Vapor Deposition
02P72	1060	Yi-Han Jiang	Study of fabrication and current-voltage characteristics of MoS ₂ /WSe ₂ heterojunction diode
02P73	1082	Hung-Hsiang Cheng	Fabrication of graphene/tungsten sulphoselenide heterojunction device
02P74	1102	Hiroto Izuoka	Gas blowing from multiple holes for ultra-high-speed and uniform DLC coating with MVP method
02P75	1103	Tsung-Han Lu	Restoration and reduction graphene oxide by low damage plasma treatment as flexible transparent electrode
02P76	1104	Kensuke Hayashi	Textured Growth and Magnetic Properties of Chemically Synthesized Co ₃ -xFexO ₄ Films
02P77	1109	Chien-Kuo Hsieh	Effects of process pressure for the graphene growth on Cu substrate by thermal chemical vapor deposition
02P78	1110	Yuuki Mizushima	Bridging of Carbon Nanotube Filaments Induced by Gas Discharge Breakdown between Electrodes
02P79	1112	Shu-Wei Guo	Investigation of separated ratio and energy gap of metallic single-walled carbon nanotube with gel electrophoresis
02P80	1115	Chao-Kuang Cheng	A Controllable Method for Room Temperature Electrochemical Pulsed Deposition of Nanocrystalline MoS ₂ as a Counter Electrode for Dye-Sensitized Solar Cells
02P81	1122	Qiao Chen	Carbon nano-materials grown from solid carbon sources
02P82	1126	Yujia Zhong	fundamental research and potential applications of graphene
02P83	1198	Yushi Iijima	Fabrication of Nitrogen-Containing DLC Film by Filtered Arc Deposition
02P84	1203	Po-Wei Cheng	Synthesis of graphene microstructure on porous substrate for gas diffusion electrode
02P85	1265	Takashi Hattori	Preparation of CeO ₂ nanoparticles layer on several crystal substrates
02P86	1290	Rihito Ota	Internal DLC Coating to Small Hole in a Diameter of 100 μ m by Plasma Enhanced Chemical Vapor Deposition with Gas Blowing to the Hole
02P87	1302	Toshitaka Kubo	Etching morphology of HOPG and Molybdenum Disulfide (MoS ₂) treated with inward-plasma
02P88	1312	Hitoshi Nozaki	On the morphologies of carbon nanowalls grown using plasma enhanced CVD
02P89	1313	Takuya Suzuki	Structure control of carbon nanowalls grown using ICP-CVD
02P90	1331	Magdaleno Jr Vasquez	Graphene oxide thin film synthesis using acetylene plasma
02P91	1342	Hideo Uchida	Carbon Film Included Graphene on Metal for Fuel Cell Separator
02P92	1007	Li-Tsen Lai	CuO nanowires grown on flexible substrate by 3D through silicon via process
02P93	1025	YouRen Ding	High performance Silver Nanowire Electrodes for ITO-free Flexible Organic Photovoltaics Application

02P94	1090	Yu Lun Su	Intensification of Piezoelectric Nanogenerator by Porous ZnO Nanowires
02P95	1095	Shinichi Itoh	Calculation of conductivity in interacting resonant level model
02P96	1101	Bo-Chang Chen	Piezotronic-enhanced photoelectrochemical properties of ZnO nanorods
02P97	1151	Liang-Wen Ji	Enhanced UVPhotodetector of ZnO Nanowires on CdS film
02P98	1282	Su Yeon Cha	Synthesis of beta-Ga ₂ O ₃ Nanowires from Au/Ga ₂ O ₃ thin films using post annealing under hydrogen reduction atmosphere
02P99	1299	Tsai You-Ting	ZnO nanosheets growth on Al substrate for gas sensor
02P100	1075	Che-Chun Liu	Surface characterization of PEDOT derivatives nanohybrids by electro-chemical polymerization
02P101	1404	Teguh Endah Saraswati	Surface modified core-shell iron oxide/carbon produced by liquid medium electrical arc discharge and