

00P1/2/3/4-number

00-date, 1/2/3/4-session

* indicates "Student Award Candidates".

2015.9.18 last update

Session	Time	Presenter	Presentation title
22P1-01 *	12:00-14:00	Omveer Singh	Study of Mechanical, Electrical and Optical Properties of TiNx Thin Films Treated in Hot Cathode Arc Discharge Plasma
22P1-02 *	12:00-14:00	Holak Kim	Plasma Characteristics related to Multiply Charged Ions in Hall Effect Ion Beam Sources
22P1-03 *	12:00-14:00	Masahiro Uchiyama	DLC Coating on Medical Silicone Tube by Coaxial Magnetron Plasmas with Multiple Electrodes
22P1-04 *	12:00-14:00	Ryosuke Okei	Power Generation Property of Polymer Electrolyte Fuel Cell Using Carbon Nanowalls Synthesized by Inductively Coupled Plasma-Enhanced Chemical Vapor Deposition
22P1-05 *	12:00-14:00	Young-Ouk Park	Penetration Depth of Atmospheric Pressure Cold Plasma Jet into Inner Surface of Porous Scaffolds
22P1-06	12:00-14:00	Shou-Zhe Li	The Spectroscopic Investigation of Afterglow of an Atmospheric-Pressure Microwave Induced Nitrogen Plasma Torch
22P1-08 *	12:00-14:00	Sanghoo Park	Key chemical species in plasma treated water for food and agriculture applications
22P1-09	12:00-14:00	Jyh-Shiam Cherng	Nitrogen-doped p-type zinc oxide films by sputtering
22P1-10 *	12:00-14:00	Ja young Byeon	Thermoelectric and electrical properties of X doped In ₂ O ₃ thin films deposited by dc magnetron sputtering
22P1-11 *	12:00-14:00	Naoyuki Kurake	Hydrogen peroxide and nitrous ion generated in culture media by irradiation of non-equilibrium atmospheric pressure plasmas
22P1-13 *	12:00-14:00	Shubin Yang	Cesium Ion Capture by Magnetic Bentonite Particles with Low Turbidity Enhanced by Plasma-Induced Graft Chitosan
22P1-14 *	12:00-14:00	Huanhuan Ji	Effects of a ZnTe buffer layer on properties of CdZnTe films
22P1-15	12:00-14:00	Takayoshi Tsutsumi	Influences of wafer temperature on etch rates and profiles of organic films in H ₂ /N ₂ plasma
22P1-17	12:00-14:00	Won-Seok Chang	Plasma-surface kinetics studies of etch process in fluorocarbon & hydrogenic-fluorocarbon plasmas
22P1-18	12:00-14:00	Min Park	Characteristics of an RF Inductively Coupled Negative Hydrogen Ion Source
22P1-19	12:00-14:00	Ta-Lun Sung	The first derivative of Langmuir probe characteristics with and without self-compensation circuit
22P1-20	12:00-14:00	Junmyung Lee	Study on the Ar addition in Halogen-based Inductively Coupled Plasmas for etching TiO ₂ Thin Films
22P1-21	12:00-14:00	Dong-Cheol Jeong	Synthesis of highly cross-linked plasma polymerized dicyclopentadiene films for anti-corrosion.
22P1-22	12:00-14:00	Makoto Sekine	Control of fragmental ratio of CH ₂ F ⁺ and CHF ₂ ⁺ by argon- or krypton-diluted CH ₂ F ₂ plasmas
22P1-23	12:00-14:00	Zhu Gong Bo	Preparation and properties of ZnO electron transporting layers by plasma enhanced hydrothermal method (PE-HT) for flexible perovskite solar cells
22P1-24	12:00-14:00	Sanghoo Park	Preliminary result of tomographic diagnostics for plasma spatial uniformity of 8G plasma etching device
22P1-25	12:00-14:00	Dae-Woong Kim	Electron density measurement of plasma distributed upon planar surface using built-in flat cutoff probe
22P1-26	12:00-14:00	Chanhong Kim	Eco-friendly Copper Plating by Electroless Process
22P1-27	12:00-14:00	Jayoung Byeon	Thermoelectric and electrical properties of NiO-Ga ₂ O ₃ co-doped ZnO thin films deposited by co-sputtering
22P1-28	12:00-14:00	Semin Chun	Effective Band-Gap Narrowing of Titanium Dioxide by Carbon doping in atmospheric CO ₂ microwave plasma
22P1-29	12:00-14:00	Hyo Sik Chang	Plasma nitridation of atomic layer deposition-Al ₂ O ₃ films by NH ₃ in PECVD
22P1-30	12:00-14:00	Hyunwoong Seo	Catalytic enhancement on polymeric counter electrode of Si quantum dot-sensitized solar cells
22P1-31	12:00-14:00	Hyunwoong Seo	Performance enhancement of organic/inorganic hybrid solar cell by the surface modification at Si and polymer junction
22P1-32	12:00-14:00	Heon Lee	Iron-manganese oxide precipitated activated carbon for supercapacitor electrode using liquid phase plasma method
22P1-33	12:00-14:00	Quang Hung Trinh	Abatement of Dilute Nitrous Oxide Using a Cycled Treatment of Zeolite Adsorption and Non-thermal Plasma Decomposition
22P1-34	12:00-14:00	Jae-Kwan Kim	Ridge Formation by Dry-Etching of Pd and AlGaIn/GaN Superlattice for the Fabrication of GaN Blue Laser Diodes
22P1-35	12:00-14:00	Dong In Kim	Effect on glass texturing for enhancement of light trapping in perovskite solar cells
22P1-36	12:00-14:00	Young Haeng Lee	Underwater Plasma Discharge Application for Hydrolysis and Solubilisation of Particulate Organics in Sludge Waste
22P1-37	12:00-14:00	Jae Hwan Kim	Micro Power Generation Utilizing Thermoelectric Thin Film Devices for Energy Harvesting Applications
22P1-38	12:00-14:00	Ivanova Tatiana	Preparing Mo-SiO ₂ Solar Selective Coating
22P1-39	12:00-14:00	Shimpei Nemoto	Effect of the Pre-treatment Processes on the Conversion of Cellulosic Biomass into Sugar Alcohols
22P1-40	12:00-14:00	Ji Hun Kim	Study on the Abatement of Fluorinated Compounds using a Plasma-Catalyst Hybrid System
22P1-41	12:00-14:00	Hirotaaka Toyoda	Optimization of In-line Plasma Treatment Performance
22P1-42	12:00-14:00	Atsuki Asano	The Improvement in Performance of Copper compound supported TiO ₂ Visible-light-responsive Photocatalyst by Plasma Surface Treatment
22P1-43	12:00-14:00	Shun Imai	Durability and Elucidation of Degradation Mechanism of Pt nanoparticles supported carbon nanowalls
22P1-44	12:00-14:00	Sung-Han Kim	Comparison about electrochromic properties of WO ₃ and TiO ₂ thin films using glancing angle deposition by sputtering
22P1-45	12:00-14:00	Ryuma Yamashita	The diffusion coefficient for before and after dielectric barrier discharge irradiation of the lipid bilayer membrane
22P1-46	12:00-14:00	Yang Xiaoli	The neutral oxygen and nitrogen atom's effect on the inactivation of spores in low pressure surface wave plasma
22P1-47	12:00-14:00	Nobuaki Ohnishi	Immediate response of human cervical cancer cells to intense electrical pulses
22P1-48	12:00-14:00	Satomi Tajima	The Enhancement of Saos-2 Cell Growth by Neutral Species Extracted from the Ar/O ₂ +N ₂ Plasma
22P1-49	12:00-14:00	Akira Yonesu	Surface Sterilization Using UV/Ozone Method
22P1-50	12:00-14:00	Keigo Takeda	Effect of Ambient Air on Reactive Species Generation in Atmospheric Pressure Ar Plasma Jet
22P1-51	12:00-14:00	Hyeongwon Jeon	Development of plasma source to sterilize harmful micro-organisms in soil caused root rots of ginseng
22P1-52	12:00-14:00	Hideki Motomura	Quantitative Investigation of Surface Charge of Liposome for Analysis of Plasma Gene Transfection Mechanism
22P1-53	12:00-14:00	Ryuta Andachi	Response of HeLaS3 Cells to 120 ns- and 5 ns-long Intense Electrical Pulses
22P1-54	12:00-14:00	Ryo Furuta	Multiplex coherent anti-Stokes Raman scattering microscopic observation of plasma-induced budding yeast
22P1-55	12:00-14:00	Takuya Tonami	Effects of Plasma-Activated Medium on Surface Morphologies of Lipid Bilayers
22P1-57	12:00-14:00	Hyunjun Shin	ROS by atmospheric pressure plasma stimulation induces dedifferentiation of chondrocytes
22P1-58	12:00-14:00	Woo Young Kim	Carbonized wood flour filler modified by using plasma treatment and carbonized wood flour composites
22P1-59	12:00-14:00	Jin Hwa Kim	Characterization of Dimensional Stable Electrode Prepared by Various Pretreatment and Composition of Noble Metal Oxide
22P1-60	12:00-14:00	Hyeong Mi Kim	Development of high efficiency DSE for electrochemical water treatment
22P1-61	12:00-14:00	Yong geun Kim	Study on inductively coupled plasma (ICP) treatment of multi-layer graphene for touch panels

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Session	Time	Presenter	Presentation title
22P1-62	12:00-14:00	SeungHwan Kweon	Improvement De-chuck Process in Johnsen-Rahbek Electrostatic Chuck by Applying Two Stage Lifter System
22P1-63	12:00-14:00	Duk Jae Kim	A study on surface discharge using AC low voltage for air cleaning and sterilization
22P1-64	12:00-14:00	Jong-Keun Yang	Study on the decontamination of metal device in NPP using etching
22P2-01	17:30-19:00	Lenoid Shaginyan	Surface temperature as an instrument for investigation of the mechanisms of film formation
22P2-02	17:30-19:00	Yulhee Lee	Characteristics of hybrid thin film Deposited by PECVD using HMDS/Ethylcyclohexane
22P2-04	17:30-19:00	Tae Gyu Kim	Low Temperature Growth of Boron Doped Nanocrystalline Diamond Thin Film by Surface Wave Plasma Chemical Vapor Deposition
22P2-07	17:30-19:00	Shiyu Cui	Synthesis and modeling of the tribology behavior of plasma sprayed WC-10Co-4Cr
22P2-08	17:30-19:00	Satyananda Kar	A Numerical Simulation of Microwave Sheath Voltage Combination Plasma Source Designed for Ultra High Speed DLC Coating
22P2-10	17:30-19:00	Masaharu Shiratani	Requirements of Buffer Layer for Heteroepitaxy of ZnO on Lattice-Mismatched Substrate by Sputtering
22P2-11	17:30-19:00	Rahul Basu	Transformation in Thin Porous film under convective and Dirichlet boundary conditions
22P2-12	17:30-19:00	Pakpoom Chansri	Influence of Electrical and Surface Properties IZO Transparent Conducting Film Used by RF Sputtering Method
22P2-13	17:30-19:00	Kenta Uoi	Stainless steel coating on the glass substrate by a high-power pulsed unbalanced magnetron sputtering
22P2-14	17:30-19:00	Kingo Azuma	Discharge properties of magnetron sputtering source inserted into bipolar-type plasma-based ion implantation system
22P2-15	17:30-19:00	KyungChae Yang	Reactive Ion Beam for CoFeB Etch Residue Removal Process
22P2-16	17:30-19:00	Dae Chul Kim	Ion assisted Pulsed DC magnetron sputtered Al ₂ O ₃ thin films and their characteristics
22P2-17	17:30-19:00	Yasunori Ohtsu	Characteristics of ring-shaped hollow cathode plasma with a narrow trench for high-density capacitive plasma sources
22P2-18	17:30-19:00	Yasunori Ohtsu	Plasma characteristics and target erosion profile of racetrack-shaped RF magnetron plasma with weak rubber magnets for full circular target utilization
22P2-19	17:30-19:00	Jitendra Pal Singh	Effect of prolonged annealing on the electronic structure of MgO thin films deposited by sputtering method
22P2-20	17:30-19:00	Masaru Hori	Diagnostics of AC Excited Atmospheric Pressure He Plasma Jet With Vacuum Ultraviolet Absorption Spectroscopy
22P2-21	17:30-19:00	Mai Moritoki	Gas Barrier Property of Silica-Based Films on PET Synthesized by Atmospheric Pressure Plasma Enhanced CVD
22P2-23	17:30-19:00	Hyewon Mun	Discharge characteristics of atmospheric DBD plasma depending on driving frequency
22P2-24	17:30-19:00	Eiichi Kishimoto	Hardness of a-C:H films synthesized by AP-PECVD using Ar and He as a dilution gas
22P2-25	17:30-19:00	Takanori Mori	Effects of dilution gas on characteristics of SiOC(-H) films synthesized by atmospheric pressure plasma CVD
22P2-26	17:30-19:00	Won-Ho Lee	Understanding Three-Dimensional Thermal Plasmas in a Free-Burning Arc System
22P2-27	17:30-19:00	Su-Yeong Kim	Preparation of Polymeric Layer on 3D PCL Scaffolds by Atmospheric Pressure Cold Plasma Jet
22P2-28	17:30-19:00	Giichiro Uchida	Effects of discharge voltage waveform on the discharge characteristics in a helium atmospheric plasma jet
22P2-29	17:30-19:00	Giichiro Uchida	Discharge characteristics of a helium atmospheric plasma jet impinging onto the liquid surface
22P2-30	17:30-19:00	Seunghun Lee	Surface Dielectric Barrier Discharge with a Mesh Electrode
22P2-31	17:30-19:00	Jun-Seop Shin	Effect of Helium Metastable Distribution on the APPJ Bullet Propagation Length
22P2-32	17:30-19:00	KiHong Choi	Analysis of the plasma generated reactive species in water and application to seed germination
22P2-33	17:30-19:00	Yamada Kensuke	Spatial Profiles of Magnetized Microwave Plasmas for Minimal Fabrication of Semiconductor Devices
22P2-34	17:30-19:00	Haruka Suzuki	Desorption of Alkaline Metals from Electrolyte Liquid Contacting with a DC Pulsed-Plasma
22P2-35	17:30-19:00	Zefeng YANG	Study of dynamics of colliding plasma in low-pressure condition
22P2-36	17:30-19:00	Lunjuan Li	The properties of diamond based on MPCVD with gallium focused-ion-beam
22P2-38	17:30-19:00	Tsuyoshi Kobayashi	Measurements of active species in solutions treated with quantified oxygen-atoms
22P2-39	17:30-19:00	Yong-Seong Byeon	Characteristics of Water Surface Plasma
22P2-41	17:30-19:00	Bernd Ruebig	Antibacterial Metal Oxide Polymer Surfaces by RF Magnetron Sputtering
22P2-44	17:30-19:00	Kang Lee	Effect of Mg dope TiO ₂ on the biocompatibility of plasma electrolytic oxidized Ti-6Al-4V ELI
22P2-45	17:30-19:00	Sangheum Eom	Feasibility Test on the Polymerization of MMA using an Atmospheric DBD Plasma
22P2-47	17:30-19:00	In Seop Byeon	Zn Sputtered Surface on the HA Coated Nanotubular Ti-xNb Alloys
22P2-48	17:30-19:00	Jeong-Jae Kim	Nanotube Formation on the Micro-pore Formed Ti-xTa Alloys by Plasma Electrolytic Oxidation Methods for Dental Applications
22P2-49	17:30-19:00	SeonYeong Park	Morphology Changes of Mn Coated Ti-29Nb-xHf Alloys by RF-Sputtering after Hydroxyapatite Deposition.
22P2-50	17:30-19:00	Richard Wascher	Penetration and Distribution of Modification Agents within Air Plasma-Treated Wood
22P2-51	17:30-19:00	Han-Cheol Choe	Hydroxyapatite Deposition with Silicon Doping on Ti-Nb-Zr Alloy by Electro-chemical and Magnetron Sputtering Method
22P2-52	17:30-19:00	Takayuki Ohta	Surface-assisted laser desorption/ionization mass spectrometry using carbon nanowalls
22P2-53	17:30-19:00	Kyoung Suk Oh	Gas permeability control of polyethylene membranes by plasma coated film
22P2-55	17:30-19:00	Byeong-Joo Lee	Surface treatment of carbon nanotubes using atmospheric pressure plasma jet system
22P2-56	17:30-19:00	Byeong-Joo Lee	Characterization of Atmospheric Pressure Plasma Treated Graphene Grown using Chemical Vapor Deposition
22P2-58	17:30-19:00	Yen-Ting Liao	Enhancing cell adhesion on PET with atmospheric dielectric barrier discharge surface modification
22P2-59	17:30-19:00	Sang Hye Ji	Promotion of effective microbial activity by Dielectric Barrier Discharge plasma treatment
22P2-60	17:30-19:00	Ho-Ik Du	Analysis on Transport-Current Characteristics with the Material Properties of the Outer Layer of REBCO Thin-Film HTS Wire Having Composite Structure Using RF Sputtering Deposition Method
22P2-61	12:00-14:00	Gun-Joo Sun	Hydrogen gas sensing performance of a networked Nb ₂ O ₅ -decorated CuO nanorod sensor
22P2-62	12:00-14:00	Hyejoon Kheel	Enhanced H ₂ S Gas Sensing of Fe ₂ O ₃ -NiO Composite Nanoparticles
23P3-01	16:45-18:15	Sslimsearom You	AgNWs Embedded Transparent Conductive Oxide Films using a Facing Targets Sputtering Method
23P3-03	16:45-18:15	Minje Kim	Investigation of Al, Ag, and Cu Metal Mesh Prepared by Photolithography for Touch Screen Panel
23P3-04	16:45-18:15	Doyeong Kim	Effects of Y doping on the electrical property and stability of the IGZO thin film for TFT channel layer
23P3-06	16:45-18:15	Jang-Hsing Hsieh	Structural, mechanical, and electrical properties of Cu-Ag Alloy Thin Films

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Session	Time	Presenter	Presentation title
23P3-07	16:45-18:15	Gyujin Oh	Conductive Anti-reflection Coatings by Glancing Angle Deposition Technique for Silicon-based Solar Cell Application
23P3-08	16:45-18:15	Seungil PARK	Al ₂ O ₃ Thin Film Deposition using an ECR Plasma Enhanced Sputter
23P3-09	16:45-18:15	Long Wen	High throughput deposition of transparent-conductive Al doped ZnO thin film by dual confined magnetron field sputtering source
23P3-10	16:45-18:15	Toshiyuki Takasaki	Sputter deposition of amorphous In ₂ O ₃ :Sn films with high mobility by utilizing nitrogen mediated amorphization method
23P3-11	16:45-18:15	Kosuke Takenaka	Atmospheric-Pressure-Plasma Assisted Mist CVD of Zinc Oxide Films
23P3-12	16:45-18:15	Eun-Hye Ko	High performance ITO-Ag-ITO multilayer based transparent flexible heaters
23P3-13	16:45-18:15	Eun-Hye Ko	Mechanical failure mechanism of Transparent Ag grid-Graphene Hybrid films
23P3-14	16:45-18:15	Sung-Hyun Park	Thin film barrier and transparent electrode hybrid ITO/Ag/SiO ₂ films grown by Roll-to-Roll sputtering
23P3-15	16:45-18:15	Sung-Hyun Park	Roll-to-Roll sputtered ITO/Ag/ITO Multilayer to use as Flexible and Transparent anodes for large area Flexible Organic Solar Cells
23P3-16	16:45-18:15	Doo hee Kim	Ohmic contact of rapid Thermal Annealed Ti doped In ₂ O ₃ film on p-GaN layer prepared by damage free Linear Facing Target Sputtering
23P3-17	16:45-18:15	Doo hee Kim	The comparison of Ag nanowire, Ag film, and Ag-Pd-Cu alloy films inserted in In ₂ ZnTaO films for flexible organic solar cells
23P3-18	16:45-18:15	Lei Zhang	The effects of substrate temperature on properties of B and Ga co-doped ZnO thin films grown by RF magnetron sputtering
23P3-19	16:45-18:15	Yang Jin	Effect of composition and thickness on the properties of boron and gallium co-doped ZnO thin films
23P3-20	16:45-18:15	Yang Jin	Effect of RF power and sputtering pressure on the properties of boron and gallium co-doped ZnO thin films
23P3-21	16:45-18:15	Yang Jin	Ultraviolet detectors based on n-GZO/p-GaN film heterojunction diodes
23P3-22	16:45-18:15	Dae-Woong Park	Interconnect Process Using Thin Film Metallization for Stretchable Electronics Packaging
23P3-23	16:45-18:15	Lunjuan Li	Fabrication and characterization of p-ZnTe / n-GaN thin film heterojunction diodes
23P3-24	16:45-18:15	Jaeyeon Kim	Transparent film heaters using GZO/Ag/GZO hybrid layer prepared by DC and RF Magnetron Sputtering
23P3-25	16:45-18:15	Weichuan Yang	Fabrication and characterization of p-diamond / n-GaN thin film heterojunctions
23P3-26	16:45-18:15	Seungil PARK	ITO Thin Film Deposition using an ECR Plasma Enhanced Sputter
23P3-27	16:45-18:15	Joseph Lee	Applying Composition Control to Enhance the Mechanical and Thermal Properties of Zr-Cu-Ni-Al-N Thin Film Metallic Glass
23P3-29	16:45-18:15	Yuma Fujii	Super DLC Coating on Cutter for Metal Nameplates by T-shaped Filtered Arc Deposition
23P3-31	16:45-18:15	Shoji Den	Plasma Nitriding Process for Aluminium Alloy of Al-Mg
23P3-32	16:45-18:15	Katsuhiro Hattori	Silicon substrate temperature measurement in sputtering processes using optical low-coherence interferometry
23P3-33	16:45-18:15	Xiaoping Liu	Surface plasma Nb-alloying on 0.4C-13Cr stainless steel: microstructure and tribological behavior
23P3-34	16:45-18:15	Takashi Kimura	Properties of amorphous carbon films prepared by high power pulsed sputtering with two facing targets
23P3-35	16:45-18:15	Takashi Kimura	Conductive DLC films prepared by high power pulsed magnetron sputtering with bipolar pulse voltage source for substrate
23P3-36	16:45-18:15	Na Liu	Content of Al ₂ O ₃ 's influence on structure and properties of nanocomposite Nb-B-Al-O films
23P3-37	16:45-18:15	Dejun Li	Crystallization of Amorphous sublayer caused by varied modulation ratio and mechanical properties of nanoscale a-TiB ₂ /a-Al ₂ O ₃ multilayer films
23P3-39	16:45-18:15	Han Chan Lee	A study on the effect of Cu amount thin films prepared by magnetron sputtering with Mo-Cu single alloying target
23P3-40	16:45-18:15	Bernd Ruebig	Increased adhesion of thick multilayer DLC coatings by means of PACVD
23P3-42	16:45-18:15	Insup Lee	Effect of the Amount of CH ₄ Content on the Characteristics of Surface Layers of Low Temperature Plasma Nitrided Inconel 800 Ni Alloy
23P3-43	16:45-18:15	Insup Lee	Effect of the processing parameters on the characteristics of the Surface Layers formed on Hastelloy by Low Temperature Plasma Nitrocarburizing
23P3-44	16:45-18:15	Insup Lee	Effect of the Amount of CH ₄ Content on the Characteristics of Surface Layers of Low Temperature Plasma Nitrided Martensitic Precipitation-Hardening Stainless Steel
23P3-45	16:45-18:15	Insup Lee	The Influence of Processing Parameters on the Characteristics of Surface Layers of Low Temperature Plasma Nitrocarburized Precipitation Hardening Stainless Steel
23P3-46	16:45-18:15	Insup Lee	Influence on the S-Phase Layer of Plasma Nitrocarburized 316L Austenitic Stainless Steel by Changing Pulse Frequency and Discharge Voltage at Fixed Pulse-Off Time
23P3-47	16:45-18:15	Ta-Lun Sung	A study of plasma nitriding on Fe-Al-Mn alloy
23P3-49	16:45-18:15	B.L. Ren	Preparation and characterization of double-glow plasma aluminized layer on Ti ₂ AlNb-based alloys
23P3-50	16:45-18:15	Takayuki Ohta	Spatial distribution of metastable Ar atom in magnetron carbon sputtering plasma
23P3-51	16:45-18:15	Dongbo Wei	Properties and tribology behavior of plasma surface alloying on Ti6Al4V alloy
23P3-52	16:45-18:15	Giselle Ramirez	Assessment of subsurface damage induced by contact fatigue in coated tool steels.
23P3-53	16:45-18:15	Amir H. Ramezani	Structure, Phase Composition and Corrosion Properties of Tantalum Irradiated by Nitrogen Ion Beams
23P3-54	16:45-18:15	Pingze Zhang	Oxidation of plasma surface alloyed Zr-Y coating on γ -TiAl Alloy
23P3-55	16:45-18:15	Rafal Michal Chodun	Specific interfacial coating/substrate region formed during modified IPD method
23P3-56	16:45-18:15	Yuanxia Lao	Self-lubricating behaviors of AISI 52100 steels induced by the surface treatment of Supersonic Fine Particles Bombarding
23P3-57	16:45-18:15	Artem Bagdasaryan	Mechanical and tribological properties of multielement (Zr-Ti-Cr-Nb-Si)N nitride coatings
23P3-58	16:45-18:15	Jin Jiao Xia	Synergic Effect of Al and Y on the oxidation behavior of TiAl intermetallics alloys
23P3-59	16:45-18:15	Hoe Kun Kim	Wear and Adhesion Properties of CrZrSiN Coatings with Various Interlayers on Tungsten Carbide Substrate
23P3-60	16:45-18:15	Xiaohuzs Chen	Oxidation of double-glow plasma NiCoCrAlY coating on γ -TiAl based alloy
23P3-61	16:45-18:15	Peter Kaestner	The effect of plasma nitriding on the interfacial contact resistance of austenitic stainless steel
23P3-63	16:45-18:15	Md Shahinur Rahman	Tribological and Physico-Chemical Properties of Electron Beam Irradiated Polyoxymethylene Copolymer (POM-C)
23P3-64	16:45-18:15	Jaehyeong Lee	Tribological properties of tungsten doped nanocrystalline carbon films prepared by unbalanced magnetron sputtering for hard coating
23P3-65	16:45-18:15	Yong Seob Park	The synthesis and properties of CNT for superhydrophobic coating
23P3-66	16:45-18:15	Hye-Su Choi	Investigations of Electrochemical Luminescence Characteristics of ZnO/TiO ₂ Nanotubes Electrode and Silica-Based Gel Type Solvents
23P3-67	16:45-18:15	Jung-In Kang	Bonding Strength between Porcelain and Micro pore formed Co-Cr Alloys by Plasma Electrolytic Oxidation Method
24P4-01	12:00-14:00	Yeesle Jun	Study on DLC Properties of Ti/Cr/Cu/Mo addition by PECVD
24P4-02	12:00-14:00	Satyananda Kar	Spatio-temporal Behavior of Microwave Sheath Voltage Combination Plasma Source

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Session	Time	Presenter	Presentation title
24P4-03	12:00-14:00	Hyunjae Park	Synthesis of graphene nanowalls by electron cyclotron resonance plasma at low temperature.
24P4-04	12:00-14:00	Haruka Koike	Deposition and Structure Control of SiO:CH Microparticles by Pulsed RF Plasma CVD
24P4-06	12:00-14:00	Hirotsugu Sugiura	Dependence of CCP power on crystallographic and electronic properties of amorphous carbon films grown by plasma-enhanced chemical vapor deposition
24P4-07	12:00-14:00	Yoshihiro Torigoe	Hydrogen Concentration in Extremely Thin a-Si:H Films Deposited by Multi-Hollow Discharge Plasma CVD Method
24P4-08	12:00-14:00	Tae-Hee Kim	Preparation of Hexagonal Boron Nitride Nanoparticles by Non-Transferred Thermal Plasma
24P4-09	12:00-14:00	Sooseok Choi	Size Control of Ni-Fe Alloy Nanoparticles in Non-Transferred Arc Plasma Process
24P4-10	12:00-14:00	Akio Nishimoto	Effect of Surface Deposits on Nitriding Layer Formation of Active Screen Plasma Nitriding
24P4-11	12:00-14:00	Yasuhiro Hoshiyama	Mechanical Properties of Austenitic Stainless Steel Treated by Active Screen Plasma Nitriding
24P4-12	12:00-14:00	Thapanut Sarinont	Response of Silkworm Larvae to Non-thermal Atmospheric Pressure Plasma Stimulation
24P4-13	12:00-14:00	Sunkyoung Jung	Plasma technology application to reduce the use of organic solvents on the useful ingredient extraction from the
24P4-14	12:00-14:00	Awraris derbie Assefa	Application of plasma based water treatment (PWT) for enhanced extraction of value added bioactive compounds from yuzu (Citrus junos Sieb ex Tanaka) and onion (Allium cepa L.)
24P4-15	12:00-14:00	Jung-hyun Lim	Characteristics of plasma treated water and its application to fresh-cut vegetable as a novel treatment
24P4-16	12:00-14:00	Yeunsoo Park	Germination effects of Oat, Barley, and Turfgrass treated by atmospheric pressure plasma
24P4-17	12:00-14:00	Eunjung Hong	The microbial disinfection and the washing efficiency on the surface of various fruits using underwater plasma discharge.
24P4-18	12:00-14:00	Takaaki Amano	NO ₂ - concentration in seeds irradiated by atmospheric dielectric barrier discharge plasmas
24P4-20	12:00-14:00	Seung-Wan Yoo	Generation of Charged Silicon Nanoparticles and their Deposition Behavior on Crystalline Films at Room Temperature during the Inductively Coupled Plasma Chemical Vapor Deposition (ICP-CVD)
24P4-21	12:00-14:00	Seung kyu Oh	Improvement of package reliability in AlGaIn/GaN HFEETs with SiNx/polyimide passivation layer
24P4-22	12:00-14:00	Teresa Oh	Correlation between Tunneling Effect and Ambipolar Transfer Characteristics in Thin Film Transistors
24P4-23	12:00-14:00	Young Joon Hong	Surface Engineering of Graphene Substrate for Controlled van der Waals Heteroepitaxy of Semiconductor Nanoarchitectures
24P4-24	12:00-14:00	Shin Kajita	Surface morphology changes and N doping on metals by plasma irradiation process
24P4-25	12:00-14:00	Dae-Kyoung Kim	Change in interfacial reaction of SiO ₂ film on SiC as a function of growth factor
24P4-26	12:00-14:00	Seula Lee	The Rectifying Performances of Silicon Carbide Schottky Barrier Diodes with Bilayer Schottky Metal Structure
24P4-27	12:00-14:00	Dongsuk Han	The Effects on contact resistance of ICGO thin-film transistors by electron beam treatment on ICGO semiconductor/Metal electrode interface
24P4-28	12:00-14:00	Myung-Hwa Jung	Magnetic Properties of CuO Nanomaterials Synthesized by Plasma Discharge
24P4-29	12:00-14:00	Jae-Hyung Park	Effects of UV curing on the self-forming barrier process of Cu-V alloy films
24P4-31	12:00-14:00	Sang-Chul Jung	Fe-decorated TiO ₂ powder photocatalysts with enhanced visible-light-driven degradation activities
24P4-32	12:00-14:00	Weichuan Yang	Nano-crystalline diamond films for synchrotron radiation X-ray microscopy imaging application
24P4-33	12:00-14:00	Weichuan Yang	Effect of different pre-treatment methods on properties of nano-crystalline diamond films grow onto GaN substrate
24P4-34	12:00-14:00	Dong Hun Shin	Synthesis of SiOx nano-powders using a microwave plasma torch at atmospheric pressure
24P4-35	12:00-14:00	Hae-In Shin	Flexible and transparent Ag nanowire percolating network covered by graphene sheet for flexible organic light emitting diodes
24P4-36	12:00-14:00	Hae-In Shin	Laser annealing of brush-painted ITO nanoparticle electrodes for all-printable organic solar cells
24P4-37	12:00-14:00	Seong Ling Yap	The effect of N ion beam irradiation on the shape and properties of ZnO nanowires
24P4-38	12:00-14:00	Suhhyun Kim	Thickness control and surface potential changes of MoS ₂ by using O ₂ plasma
24P4-41	12:00-14:00	Ulugbek Shaislamov	Facile Synthesis of Vertically Aligned Cu Nanorods Based Nanostructures on Cu Substrate for Improved Heat Transfer
24P4-42	12:00-14:00	Changho Ra	Reduction of contact resistance for graphene device using Ar plasma
24P4-43	12:00-14:00	Won-Ho Lee	Time Varying Magnetic Nanoparticles Flow for the Effective Electrical Induction through a Coil
24P4-44	12:00-14:00	Qing Huang Zhang	On the Temperature influence of Tourmaline Substrate: Crystalline Characteristics and Optical Properties of ZnO Films
24P4-45	12:00-14:00	Jaeyoung Yang	The Properties of Boron-doped/undoped Amorphous Carbon Hardmask Film Deposited by Cyclic Plasma-enhanced Chemical Vapor Deposition
24P4-47	12:00-14:00	Ayako Oyane	Increased water wettability of yttria-stabilized tetragonal zirconia polycrystal by femtosecond-laser-induced periodic surface structure formation
24P4-48	12:00-14:00	Soohyun Kim	Gradient of Size and Wettability on Nanoimprinted Patterns induced by Intensity-Attenuated Oxygen Plasma
24P4-49	12:00-14:00	Yeonju Jung	The effect of plasma nitriding process on the mechanical properties of 42CrMo4 steels
24P4-50	12:00-14:00	Yusung Lee	Effective Outgassing Removal using O ₂ plasma surface treatment
24P4-52	12:00-14:00	Hee-Sang Roh	A Study on 3D PCL/MgO/HAp Composite Scaffolds Treated with Plasma Surface Modification
24P4-53	12:00-14:00	Tanuj Kumar	Nano-pits formation on GaAs surface using normal ion beam irradiation
24P4-54	12:00-14:00	Min W. Lee	A perspective on patents on super-hydrophobic coatings
24P4-55	12:00-14:00	Jae-In Jeong	Effect of vapor incident angle on the structure and properties of TiN and Al films
24P4-56	12:00-14:00	Akinori Imajo	Preparation of a UCST type of thermoresponsive sulfobetaine polymer modified poly(ethylene terephthalate) films by Ar plasma-post polymerization method
24P4-57	12:00-14:00	Yuelu Zhang	Effects of plasma treatment on the microstructure, optical and electrical property of CdZnTe thick films
24P4-58	12:00-14:00	Jungheum Yun	Maskless Direct Deposition of Oxide Nanoparticle Arrays on Polymer Substrates for Optical Applications
24P4-59	12:00-14:00	Yudai Miyawaki	Dangling Bond Formation of Silicon Nitride during Fluorocarbon Plasma Irradiations
24P4-60	12:00-14:00	Xiao Zuo	The Ion Energy Distribution In A Planar Magnetron Sputtering Discharge of Argon
24P4-61	12:00-14:00	Peiling Ke	Surface and Interface Strengthening of Coatings Using A Hybrid HiPIMS Technique
24P4-62	12:00-14:00	Sanghoon Kim	Synchronous Polymerization of Poly(3,4-ethylenedioxythiophene) and Polypyrrole Thin Films by Plasma Enhanced Chemical Vapor Deposition (PECVD) for Tunable Bandgap