

Date	Start	End	Session	Room	Presentation No.	Abstrac	Field	Category	Title of Abstract	Presenter	
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-04	1005	Nitride Semiconductor	B-4. Characterization	Characterization of Chemical and Electronic States of SiO ₂ /p-type GaN Structures by Photoemission Measurements	Hiroki	Toyoda
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-01	1009	Nitride Semiconductor	B-1. Crystal Growth of GaN and Related Materials	Study on the Chemical Reaction-Mass Transport Model of Ga ₂ O ₃ Grown by MOCVD	Jie	Wang
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-02	1095	Nitride Semiconductor	B-1. Crystal Growth of GaN and Related Materials	Electrical properties and defects of #946;-Ga ₂ O ₃ /epilayers grown at different growth rates during hydride vapor phase	Eun Kyu	Kim
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-08	1131	Nitride Semiconductor	B-5. MBE Growth and Nitrogen Source	Study of GaN Nanochannel Epitaxy on r-plane Sapphire Substrate using Nano-patterned Graphene Mask	Ryoya	Yokoi
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-09	1134	Nitride Semiconductor	B-5. MBE Growth and Nitrogen Source	Direct Growth of Graphene on AlN Template by Low Pressure CVD and AlN Remote Epitaxy	Kohei	Osamura
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-10	1176	Nitride Semiconductor	B-6. Electron and Power Devices	Development of inductive energy storage pulsed power supply using SiC semiconductor devices	Sho	Fujikura
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-05	1188	Nitride Semiconductor	B-4. Characterization	Differences in Plasma-induced Surface damage to N-polar and Ga-polar p-GaN	Zhongqi	WANG
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-06	1235	Nitride Semiconductor	B-4. Characterization	Tribological Properties of Aluminum Nitride Prepared by Plasma Enhanced Atomic Layer Deposition	Shao-yu	Lu
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-03	1273	Nitride Semiconductor	B-1. Crystal Growth of GaN and Related Materials	Radical Enhanced Growth of GaN on Si with a Buffer Growth of GaN at Low- temperature of 600 ǃ	Swathy	Jayaprasad
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-07	1294	Nitride Semiconductor	B-4. Characterization	Effects of SiO ₂ /Cap Annealing Prior to Interface Formation on Properties of Al ₂ O ₃ /p-type GaN	Yining	Jiao
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-41	1001	Nanomaterials	C-6. Applications for Energy and Environment	Utilizing Low-Pressure Plasma-Processed NiRu-MOFs/Nickel Foam for Enhanced Electrocatalysis in Hydrogen Evolution Reaction	Shuo-En	Yu
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-42	1002	Nanomaterials	C-6. Applications for Energy and Environment	Atmospheric-pressure plasma jet processed reduced graphene oxide-LiMnO _x composite electrodes for supercapacitor application	Pei-Ling	Lan
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-43	1004	Nanomaterials	C-6. Applications for Energy and Environment	Utilization of Low-Pressure-Plasma-Processed NiCo-MOF for Oxygen Evolution Reaction in Alkaline Water Electrolysis Module	Yu-Lun	Su
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-44	1007	Nanomaterials	C-6. Applications for Energy and Environment	Comparison of supercapacitors based on Li-Mn oxides processed by atmospheric-pressure plasma jet and furnace treatments	Heng-Min	Chang
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-30	1013	Nanomaterials	C-5. 2D Nanomaterials	Gas flow dependency of 2-dimensional WS ₂ flake orientation on sapphire substrate in chemical vapor deposition	Wei-Lin	Wang
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-31	1019	Nanomaterials	C-5. 2D Nanomaterials	Growth of 4 inch continuous WS ₂ films on c-Al ₂ O ₃ substrate by DLI-MOCVD	Wei-Chun	Chen
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-32	1026	Nanomaterials	C-5. 2D Nanomaterials	Double-Side Emission Quantum Dot Light-Emitting Diodes with 2D MoS ₂ Assisted-van der Waals (vdW) Epitaxial Semi-Transparent Metal Electrodes	Chun-Yuan	Huang
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-12	1027	Nanomaterials	C-2. Composites and Functionally Graded Materials	Fabrication and characterization of stretchable electromagnetic shielding materials using carbon nanotube and elastomer composites	Naoaki	Yoshida
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-45	1031	Nanomaterials	C-6. Applications for Energy and Environment	Natural Acid-Assisted Synthesis of Hierarchical Silver Nanostructures for Photothermal Water Evaporation	Luce Vida	Sayson
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-47	1042	Nanomaterials	C-6. Applications for Energy and Environment	Electrical and Mechanical Properties of PEDOT:PSS Based Thermoelectric Materials Formed on Stretchable Fibers during Stretch Process	Shohei	Sakai
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-56	1055	Nanomaterials	C-7. Porous Materials and Membranes	Microplasma-assisted Rapid and Green Synthesis of Surface-Functionalized Covalent Organic Frameworks for efficient adsorption of organic molecules	Cheng-You	Huang
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-13	1058	Nanomaterials	C-2. Composites and Functionally Graded Materials	Fabrication and Characterization of Capacitive Pressure Sensors with Flexibilized Polymer Materials	Takeshi	Inoue
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-33	1099	Nanomaterials	C-5. 2D Nanomaterials	Study of growth mechanism of graphene on m-plane sapphire grown by low-pressure CVD	Yuta	Yanase
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-23	1115	Nanomaterials	C-4. Surface Modification and Functionalization	Effect of alloying element on nitriding layers by low-temperature plasma nitriding of duplex stainless-steels	Shinichiro	Adachi
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-34	1122	Nanomaterials	C-5. 2D Nanomaterials	Effect of N ₂ plasma treatment on roughness of WS ₂ materials on Si substrate	Chi-En	Yin
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-35	1123	Nanomaterials	C-5. 2D Nanomaterials	Thermal properties of an allotrope of phosphorus	Tang-Yu	Lai
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-48	1153	Nanomaterials	C-6. Applications for Energy and Environment	The influence of ozonation of methane fermentation digested slurry on the moisture content of dewatered sludge	Tatsuya	Yamamoto
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-49	1156	Nanomaterials	C-6. Applications for Energy and Environment	Mixed-ligand Metal-Organic Frameworks/ZnIn ₂ S ₄ Nanoheterostructures: Interfacial Charge Carrier	Chin-Jui	Kuo
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-50	1167	Nanomaterials	C-6. Applications for Energy and Environment	Surface supporting of glucose oxidase to nanographene materials	Keigo	Takeda
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-24	1170	Nanomaterials	C-4. Surface Modification and Functionalization	Isocyanate Group Analysis of Plasma-processed Multi-walled Carbon Nanotubes with X-ray Photoelectron Spectroscopy	Kakuto	Watanabe
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-19	1172	Nanomaterials	C-3. Nanotubes, Nanowires and Nanorods	Applied carbon-nanotube coated plasma treatment on bioaerosols inactivating in poultry house operating environment	Shinhao	Yang
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-25	1174	Nanomaterials	C-4. Surface Modification and Functionalization	Room Temperature Nanoimprint Aided by Electron Beam Irradiation for Polysilsesquioxane	Manabu Yas	Manabu Yas

Date	Start	End	Session	Room	Presentation No.	Abstract	Field	Category	Title of Abstract	Presenter	
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-20	1181	Nanomaterials	C-3. Nanotubes, Nanowires and Nanorods	Preparation of flexible thermoelectric fabrics with ZnO nanorods by microwave-assisted solvothermal synthesis	Hiroya	Ikedo
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-26	1253	Nanomaterials	C-4. Surface Modification and Functionalization	Reduction of peel strength at the melt-solidification interface of PEEK resin by using Bron Nitride film	Kotaro	Fukami
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-27	1255	Nanomaterials	C-4. Surface Modification and Functionalization	Development of in-pipe DLC deposition technology to suppress scaling from steam in geothermal power generation	Risako	Imai
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-54	1274	Nanomaterials	C-6. Applications for Energy and Environment	Functional Graphene Synthesis via Microwave Plasma Torch Chemical Vapor Deposition for Achieving Uniform Lithium Deposition in Lithium Metal Batteries	Chi-Chang	Hu
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-36	1277	Nanomaterials	C-5. 2D Nanomaterials	Theoretical-molecular design of high density hydrogen storage devices: A DFT approach	Hiroto	Tachikawa
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-37	1278	Nanomaterials	C-5. 2D Nanomaterials	Plasma surface modification of the substrate followed by chemical-vapor deposition to synthesize large-area monolayer MoS ₂	Sheng-Kuei	Chiu
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-14	1280	Nanomaterials	C-2. Composites and Functionally Graded Materials	Cu/AlN Composite and Functionally Graded Materials with High Strength and High Electrical-Conductivity Fabricated by Spark Plasma Sintering	Yoshimi	Watanabe
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-29	1286	Nanomaterials	C-4. Surface Modification and Functionalization	Surface Treatment of Carbon Fiber Reinforced Polymer (CFRP) for Adhesive Bonding with Pioneer Epoxy using Atmospheric Pressure Plasma Jet	Catherine Jo	Antipuesto
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-11	1301	Nanomaterials	C-1. Nanodots and Nanoparticles	Study of Dot Size on Electron Emission from Multiple-Stacked Si-QDs	Jongeeun	Baek
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-21	1304	Nanomaterials	C-3. Nanotubes, Nanowires and Nanorods	Growth of Si-AlN Core-shell Microcrystals by Al-based Nanostructures	Suhyun	Mun
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-22	1305	Nanomaterials	C-3. Nanotubes, Nanowires and Nanorods	Growth of Hexagonal Si Epilayer on 4H-SiC Substrate and Role of Nanostructure	Seonwoo	Park
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-15	1308	Nanomaterials	C-2. Composites and Functionally Graded Materials	Spark plasma sintering (SPS) bonding of Mg alloy and Al alloy bulk materials	Mami	Mihara-Narita
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-55	1310	Nanomaterials	C-6. Applications for Energy and Environment	Interaction of C ₆₀ Fullerene with alkyl functionalized C ₆₀ : A Density Functional Theory study	Shigeaki	ABE
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-16	1311	Nanomaterials	C-2. Composites and Functionally Graded Materials	Study of electrochemical property by controlling the Ni amount in Ni-Carbon nanocomposite fabricated at RT by ion beam irradiation	Vikaskumar	Gupta
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-17	1313	Nanomaterials	C-2. Composites and Functionally Graded Materials	Grain Refiner Fabricated by Spark Plasma Sintering for Hypoeutectic Al-Si Alloy Cast and Its Refining Ability	Hisashi	Sato
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-39	1317	Nanomaterials	C-5. 2D Nanomaterials	Smartphone based electrochemical sensing of propyl gallate in food samples based on NiFe-Oxide nanocubes/laser-induced-graphene electrode	Sathishkumar	Chinnapaiyan
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-40	1318	Nanomaterials	C-5. 2D Nanomaterials	Impacts of Surface Oxidation on Surface Morphology and Silicidation Reaction in Si/Ni/Si Structures Formed on SiO ₂	Keisuke	Kimura
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-01	1021	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Optimization of AZO thin film deposition on flexible substrates by inserting various homogeneous buffer layers	I-Ming	Lung
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-41	1023	Plasma Science and Technologies	A-10. Aerospace / Space Applications	Electron beam extraction from an inductively coupled radiofrequency plasma source	Kodai	Kikuchi
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-02	1024	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Study of with and without doped ZnO thin films to apply on photodetectors	Hsin	Sun
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-24	1030	Plasma Science and Technologies	A-8. Plasma for Nano and Green Technologies	Germanium nanostructures by helium plasma irradiation	Shin	Kajita
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-03	1037	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Reduction of Raman fitting parameters by differential spectrum method on DLC films using the HF-HIPIMS discharge	Hiroyuki	Fukue
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-04	1038	Plasma Science and Technologies	A-2. Thin Film Deposition Process	An automated five-peak fitting of Raman spectrum on diamond-like carbon films using HIPIMS discharge	Yoshihisa	Osano
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-05	1052	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Study on the application of n-ZnO/p-CuO heterostructure in CO gas sensor with low temperature and high response	Ming-Rong	Chen
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-25	1053	Plasma Science and Technologies	A-8. Plasma for Nano and Green Technologies	Surface treatment on polymers using low-temperature atmospheric pressure helium plasma jet	Tetsuji	Shimizu
2024/3/4	16:10	17:40	Poster Session 1	EL 2F Room 201	04P-P2-06	1057	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Optimizing Aluminum-doped Zinc Oxide thin films for gas sensing applications by modifying fabrication atmospheres	Fang-Jun Lin	Lin
2024/3/4	16:10	17:40	Poster Session 1	EL 2F Room 201	04P-P2-07	1060	Plasma Science and Technologies	A-3. Advanced Plasma Diagnostics	Topological charge determination of optical vortex beams using forked hologram embedded in blazed grating	Shinji	Yoshimura
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-15	1061	Plasma Science and Technologies	A-7. Plasma in Liquid	Utilizing Machine Learning to Predict Heavy Metal Concentrations based on Plasmas in Solution with Optical Emission Spectrometry	Liang-Yu	Chen
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-16	1063	Plasma Science and Technologies	A-7. Plasma in Liquid	Using Optical Emission Spectroscopy of Plasmas in Solution for Rapid Detection of Heavy Metals in Water	Yi-Chen	Chiang
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-17	1064	Plasma Science and Technologies	A-7. Plasma in Liquid	Detection of Metallic Elements in Solutions using Spectroscopy based on Plasmas in Solution	Jian-Bang	Liu
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-38	1065	Plasma Science and Technologies	A-9. Thermal Plasma	Velocity measurement of the flyer plate	Yi-Zuo	Pan
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-12	1067	Plasma Science and Technologies	A-6. Flexible Electronics	Ion beam assisted deposition of HfO ₂ /SiO ₂ multi-layer anti-reflective film on PET flexible substrate	Qing-Yuan	Chen

Date	Start	End	Session	Room	Presentation No.	Abstract No.	Field	Category	Title of Abstract	Presenter	
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-13	1068	Plasma Science and Technologies	A-6. Flexible Electronics	Ion beam assisted deposition of ZrO ₂ /SiO ₂ multi-layer film on PET flexible substrate	Sheng-Hsiang	Lan
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-26	1081	Plasma Science and Technologies	A-8. Plasma for Nano and Green Technologies	Numerical analysis of exhaust gas flow in baghouse with pre-coated bag filter	Takashi	Kikuchi
2024/3/4	16:10	17:40	Poster Session 1	EL 2F Room 201	04P-P2-08	1084	Plasma Science and Technologies	A-3. Advanced Plasma Diagnostics	Investigation on Mechanisms of Pressure Waves Emitted by Needle Electrode Plasma Jet	THUZAR PH	THUZAR PH
2024/3/4	16:10	17:40	Poster Session 1	EL 2F Room 201	04P-P2-09	1091	Plasma Science and Technologies	A-3. Advanced Plasma Diagnostics	Electrical-Optical Noninvasive Plasma Diagnostics with Indium Tin Oxide (ITO) Glass	CHINWOOK	CHUNG
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-39	1111	Plasma Science and Technologies	A-9. Thermal Plasma	Light emission from shock waves propagated from pulsed arc plasma in supercritical CO₂	Daichi	Teshima
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-14	1128	Plasma Science and Technologies	A-6. Flexible Electronics	Comparison of curing process using atmospheric pressure plasma for silicone-based and epoxy-based electrically conductive adhesive	Kodai	Igarashi
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-20	1142	Plasma Science and Technologies	A-7. Plasma in Liquid	Influence of Fine Bubble on Generation Efficiency of Pulsed Discharge Underwater	Yuki	Maeda
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-28	1162	Plasma Science and Technologies	A-8. Plasma for Nano and Green Technologies	Argon Microwave Plasma Treated Iron Carbide Composite (Fe ₃ C/Fe@C) For Electrochemical Oxygen Reduction Reaction (ORR)	Chih-Yu	Chiu
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-29	1177	Plasma Science and Technologies	A-8. Plasma for Nano and Green Technologies	Helium Plasma Effect on Photoelectrochemical Performance of WO₃ Bulk/Thin Film	Qi	Xue
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-42	1185	Plasma Science and Technologies	A-10. Aerospace / Space Applications	Effect of gas injection pattern on magnetically expanding rf plasma thruster	Yugo	Nakahama
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-40	1186	Plasma Science and Technologies	A-9. Thermal Plasma	Numerical Estimation of Insulation Gas Temperature Heated by Inductively Coupled Thermal Plasma under Atmospheric Pressure	Koya	Ishinokoshi
2024/3/4	16:10	17:40	Poster Session 1	EL 2F Room 201	04P-P2-10	1201	Plasma Science and Technologies	A-3. Advanced Plasma Diagnostics	Investigation of the interaction between detached recombining plasmas and energetic electrons using high-speed spectroscopic measurement	Noriyasu	Ohno
2024/3/4	16:10	17:40	Poster Session 1	EL 2F Room 201	04P-P2-11	1215	Plasma Science and Technologies	A-3. Advanced Plasma Diagnostics	Thick Langmuir Probe Characterization of Argon Glow Discharge Plasma in a Custom-Built Dual Target DC Magnetron System	Apollo Nikko	Delfino
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Foyer	04P-P1-57	1230	Plasma Science and Technologies	A-9. Thermal Plasma	Comparison between 2D and 3D Thermal Plasma Flow Prediction	Shiuwu	Chau
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-31	1243	Plasma Science and Technologies	A-8. Plasma for Nano and Green Technologies	Investigation of Atmospheric Pressure Plasma Treatment on the Optical Properties of Carbon Quantum Dots	Aldrin	Tan
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-32	1247	Plasma Science and Technologies	A-8. Plasma for Nano and Green Technologies	Development of an atmospheric pressure plasma source for bamboo surface modification	Magdaleno J	Vasquez
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-33	1249	Plasma Science and Technologies	A-8. Plasma for Nano and Green Technologies	Microwave-assisted thermal reaction to recover valuable materials from lithium iron batteries	Wen-Hui	Kuan
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-34	1250	Plasma Science and Technologies	A-8. Plasma for Nano and Green Technologies	Non-thermal plasma combined with fine bubble technology to generate active species in water	Wen-Hui	Kuan
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-21	1256	Plasma Science and Technologies	A-7. Plasma in Liquid	Swirl flow introduction for stabilized discharge in a liquid-flow plasma system	Kengo	Yunoki
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-35	1258	Plasma Science and Technologies	A-8. Plasma for Nano and Green Technologies	Deposition of carbon nanoparticles fabricated by multi-hollow discharge plasma CVD on DC biased substrates	Kazunori	Koga
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-36	1276	Plasma Science and Technologies	A-8. Plasma for Nano and Green Technologies	Surface treatment on specialty polymer containers through air atmospheric pressure plasma	Fan-Bean	Wu
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-37	1298	Plasma Science and Technologies	A-8. Plasma for Nano and Green Technologies	Thermal Pyrolysis of Waste Photovoltaic Panels Using Radio-Frequency Plasma	Sheng-Fu	Yang
2024/3/4	16:20	17:50	Poster Session 1	EL 2F Room 201	04P-P2-22	1309	Plasma Science and Technologies	A-7. Plasma in Liquid	Application of liquid phase plasma for water reclamation	Kuan-Lun	Pan
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-75	1117	Nanomaterials	C-6. Applications for Energy and Environment	Unravelling Disorder Effects on Thermoelectric Properties of Semicrystalline Polymers in a Wide Range of Doping Levels	Hyunjung	Lee
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-76	1272	Nanomaterials	C-6. Applications for Energy and Environment	Sustainable Energy Storage Electrode Synthesized by Simple Activation Process from Mikania Micrantha	Mohammed	Jalalah
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-57	1032	Bio Applications	D-5. Plasma Agriculture	Increasing the nitrogenous substances in coffee ground solution through plasma treatment and pH value	Shao-Hsuan	Chin
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-49	1047	Bio Applications	D-2. Biomaterials	Regenerative Biocidal Expanded PTFE Membranes Grafted with Polymers containing Quaternary Amine Groups by Atmospheric-Pressure Plasma	Ta-Chin	Wei
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-29	1048	Bio Applications	D-1. Plasma Biology and Medicine	Spectrum pf DNA damage induced by cold atmospheric He-plasma irradiation in comparison with that by X-rays	Ken	Akamatsu
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-30	1051	Bio Applications	D-1. Plasma Biology and Medicine	Low-temperature plasma- and radiation-induced free radicals of solid-state amino acids.	Takashi	Kondo
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-58	1059	Bio Applications	D-5. Plasma Agriculture	Oxygen-radical based on non-thermal atmospheric pressure plasma converts HMF and furfural, the inhibitors of yeast growth	Hiroyuki	Kato
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-70	1072	Bio Applications	D-6. Biomarkers	Microplasma-Enabled Synthesis of Silicon Quantum Dot@ Silver Nanoparticles Nanohybrids as Surface Enhanced Raman Scattering (SERS) Biosensor for	Yen Ling	Chiu
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-59	1074	Bio Applications	D-5. Plasma Agriculture	Effects of Oxygen-Radical Treatment on Tricholoma matsutake Mycelia	Hiroimitsu	Suzuki

Date	Start	End	Session	Room	Presentation No.	Abstract	Field	Category	Title of Abstract	Presenter	
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-31	1079	Bio Applications	D-1. Plasma Biology and Medicine	Effect of Improving Drug Absorption of Poly Lactic Acid-Based Microneedles through Plasma Treatment	Ji-Hun	Seok
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-32	1083	Bio Applications	D-1. Plasma Biology and Medicine	The effect of cold atmospheric plasma on the regulation of immune response of oral cancer cells and anticancer activity of immune check point	Chang-Young	Kim
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-33	1086	Bio Applications	D-1. Plasma Biology and Medicine	Antioxidant effect of helium (He) cold atmosphere plasma (CAP) through increasing NRF2 in oral gingival cells	Thi Huong	Dang
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-34	1092	Bio Applications	D-1. Plasma Biology and Medicine	Effect of plasma surface treatment of biodegradable polymer film on Human Gingival Keratinocyte (HGK) cell behaviors	Chang-Min	Lee
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-50	1112	Bio Applications	D-2. Biomaterials	Molecular dynamics simulation for synthesis route of amino acid precursor in space	Masayuki	Murai
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-35	1114	Bio Applications	D-1. Plasma Biology and Medicine	Bactericidal Effect of Oxygen-Radical-Activated Pyrrole Solutions	Takuya	Watanabe
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-60	1116	Bio Applications	D-5. Plasma Agriculture	Control of agricultural pests that have acquired drug resistance by impulse high voltage	Takahisa	Ueno
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-36	1118	Bio Applications	D-1. Plasma Biology and Medicine	Non-thermal plasma inhibits allergic degranulation and cytokine expression in RBL-2H3 cells	Tomohiro	Otsuka
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-61	1132	Bio Applications	D-5. Plasma Agriculture	Degradation of carboxymethyl cellulose in water using ambient-Ar glow discharge	Kazuma	Okamoto
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-37	1135	Bio Applications	D-1. Plasma Biology and Medicine	Low-pressure RF water plasma sterilization characteristics and material compatibility of polyimide film for space craft	KIRARA	YAMANAKA
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-62	1137	Bio Applications	D-5. Plasma Agriculture	Difference of Treatment Efficiency by Pulse Applying Interval in Pulsed Electric Field Sterilization of Vegetable Drink	Koki	Saito
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-54	1138	Bio Applications	D-3. Bioimaging	Analysis of cell membrane structure exposed to plasma for clarification of the mechanism of plasma gene transfection	Ryunosuke	Tsuji
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-63	1139	Bio Applications	D-5. Plasma Agriculture	Influence of Long and Short Pulse Widths on Sterilization for Cut Vegetables Packaged at Normal and Low Oxygen Concentration Using Pulsed Plasma	Pengcheng	Cui
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-38	1148	Bio Applications	D-1. Plasma Biology and Medicine	Differentiation characteristics of EL-4 T cell induced by oxygen plasma irradiation at atmospheric pressure	Daiki	Takeshita
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-65	1149	Bio Applications	D-5. Plasma Agriculture	A multi-electrode cold atmospheric pressure DBD plasma reactor aiming at sprout growth application	Yu-Ren	Wei
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-39	1161	Bio Applications	D-1. Plasma Biology and Medicine	Preparation of Cancer Vaccine using Nanovesicles Treated by Oxidative Stress and Extrusion Filtration	Tsung-Lun	Lee
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-55	1164	Bio Applications	D-4. Biosensors	Development of Highly Sensitive Electrochemical-based Biosensors Using Plasma-Treated Electrospun Sn/SnO2 Nanocomposites	Shang-Lin	Hsieh
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-51	1166	Bio Applications	D-2. Biomaterials	Controlling Stem Cell Differentiation Using Extrinsic Photobiomodulation in Conjunction with Bio-functionalized Micropatterns	Ming-Yu	Hung
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-66	1175	Bio Applications	D-5. Plasma Agriculture	Decomposition process of a lignin model compound in solution using ambient-air glow discharge	Ryuichi	Ohashi
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-52	1190	Bio Applications	D-2. Biomaterials	Highly efficient purification of L-tryptophan derivatives produced by oxygen-radical treatment	Shota	Araki
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-40	1204	Bio Applications	D-1. Plasma Biology and Medicine	The combination of Plasma-Treated Infusion Liquids and Organic Molecules against cancer	Pietro	Favia
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-41	1212	Bio Applications	D-1. Plasma Biology and Medicine	Plasma irradiation induces changes in the survival rate and composition of zebrafish	Yuya	Kurebayashi
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-42	1223	Bio Applications	D-1. Plasma Biology and Medicine	Numerical Analysis of Current Propagation into Cells by Nonthermal Atmospheric Pressure Plasma Irradiation	Takuya	Ishihara
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-43	1254	Bio Applications	D-1. Plasma Biology and Medicine	Acute toxicity test using zebrafish embryos to evaluate the concentration of plasma-activated water	Ying Hung	Chen
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-67	1267	Bio Applications	D-5. Plasma Agriculture	A DBD reactor with high RNS concentration: experimental and modelling approach	Ju Liang	He
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-44	1269	Bio Applications	D-1. Plasma Biology and Medicine	Elevation of Chemosensitivity of Human Lung Adenocarcinoma Cells by Plasma-activated Medium mediated by Reducton of Claudin-2 Expression.	Hiroaki	Eguchi
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-45	1270	Bio Applications	D-1. Plasma Biology and Medicine	Plasma-activated Ringer's lactate solution prevents oral cancer progression through collagenous matrix formation	Kotaro	Sato
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-46	1275	Bio Applications	D-1. Plasma Biology and Medicine	Mechanisms of selective killing of MCF7 against MCF10A by plasma-activated Ringer's lactate solution	Ayako	Tanaka
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-71	1283	Bio Applications	D-7. Bio-Devices, uTAS, Lab on a Chip	Stimulating cultured cells by plasma exposure through gas-permeable thin film	Shinya	Kumagai
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-47	1284	Bio Applications	D-1. Plasma Biology and Medicine	Plasma exposure effects on growth of C. elegans	Shinya	Kumagai
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-53	1285	Bio Applications	D-2. Biomaterials	Effect of Atmospheric Pressure Plasma Treatment on the Physicochemical Properties of Chitosan Solutions	Vera Angela	Siao
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-56	1292	Bio Applications	D-4. Biosensors	Microplasma Nanoengineering of Plasmonic Nanostructures for Rapid and Ultrasensitive Surface-Enhanced Raman Scattering Sensing of SARS-CoV-2	Yi-Jui	Yeh

Date	Start	End	Session	Room	Presentation No.	Abstrac	Field	Category	Title of Abstract	Presenter	
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-48	1299	Bio Applications	D-1. Plasma Biology and Medicine	Selective killing effects on human breast cancer cells by plasma-treated L-arginine solution	Liyin	Du
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-68	1300	Bio Applications	D-5. Plasma Agriculture	Inactivation efficacy and mechanisms of plasma activated water assisted bubbling against foodborne pathogens	Jin-Young	Han
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-72	1303	Bio Applications	D-7. Bio-Devices, uTAS, Lab on a Chip	Bipolar driving for accurate displacement control of electrostatic microactuator	Binchun	Tsai
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-73	1306	Bio Applications	D-7. Bio-Devices, uTAS, Lab on a Chip	Rounding MEMS nozzle corner for trapping pollens as microarray	Qingyang	Liu
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-69	1315	Bio Applications	D-5. Plasma Agriculture	Development of Indirect Plasma-based Water Treatment Device for Nutrient Solution Sterilization	Sangheum	Eom
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-15	1003	Plasma Science and Technologies	A-5. Modeling and Simulation	Phase-resolved electron heating profiles in an inductively coupled magnetized plasma driven at different frequencies	Ryota	Okazaki
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-01	1006	Plasma Science and Technologies	A-2. Thin Film Deposition Process	MWPCVD Preparation of Carbon Nanowalls for Li-ion Battery Applications	Rucheng	Zhu
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-02	1011	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Oxygen vacancy modulation of Hafnium oxide thin film and its effect on RRAM devices	Li-Heng	Wang
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-10	1016	Plasma Science and Technologies	A-4. Etching Process	Selective etching of SiO ₂ and SiN over polycrystalline Si using PF ₃ /H ₂ plasmas	Chih-Yu	Ma
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-01	1018	Plasma Science and Technologies	A-1. Plasma Source	Characteristics of RF hybrid-plasma using hydrogen gas	Julian	Schulze
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-02	1020	Plasma Science and Technologies	A-1. Plasma Source	Basic study on pulse discharge plasma at water surface	Hiroto	Matsuura
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-16	1045	Plasma Science and Technologies	A-5. Modeling and Simulation	A Deep Learning Approach to Obtain High-Resolution Plasma Spectroscopy	Min-Hsu (Kevin)	Tai
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-04	1050	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Effects of Nitrogen Content on the Characterization of CrTaWN _x Thin Films Deposited by Direct Current Magnetron Cosputtering	Li-Zhu	Wang
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-05	1054	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Large-scale fabrication of Tm ₃ Fe ₅ O ₁₂ film with perpendicular magnetic anisotropy using magnetron sputtering	Agusutrisno	Marlis Nurut
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-06	1070	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Electrochromic properties of molybdenum oxide doped titanium oxide prepared by electron-gun evaporation and radio frequency sputtering	Ming-Ying	Wu
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-03	1076	Plasma Science and Technologies	A-1. Plasma Source	Discrimination of Methanol-Containing and Methanol-Free Alcoholic Beverages using Plasma OES based on Microplasmas Driven by Portable Bluetooth Module	Xiao-Xun	Chen
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-04	1077	Plasma Science and Technologies	A-1. Plasma Source	Detection of Volatile Organic Compounds Using Portable Plasma Generation Devices Driven by a Bluetooth-Modulated Power Source	Hong-Hang	Lin
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-07	1080	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Choice of substrates by molecular dynamics for graphene growth	Satoru	Kaneko
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-17	1082	Plasma Science and Technologies	A-5. Modeling and Simulation	Investigation of mobility and collision cross sections for clustered ions O ₄ ⁻ and O ₂ ⁻	Yui	Okuyama
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-18	1101	Plasma Science and Technologies	A-5. Modeling and Simulation	Reactive Molecular Dynamics Simulation on DNA Double Strand Breaks Induced by Hydrogen Elimination	Hiroaki	Nakamura
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-09	1106	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Atmospheric Pressure Plasma Deposited Nanocoating for Tailoring the Performance of Nafion®174; Membrane.	Yu-Lian	Chen
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-10	1107	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Plasma Induced Grafting Polymerization of Nafion®174; Membranes by Linear Dielectric Barrier Discharge Atmospheric Pressure Plasma	Ya-Shin	Chi
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-11	1108	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Investigating the Influence of Etching Power and Duration on RF Capacitively Coupled Fluorocarbon Plasma Deposition	Jiun-Rung	Chiou
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-12	1109	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Spectroscopic Diagnostics of Atmospheric-Pressure-Plasma Jet for Thin-Film Deposition	Wen-Lin	Yang
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-13	1110	Plasma Science and Technologies	A-2. Thin Film Deposition Process	The Reactive Gas Mixture Effect on RF Capacitively Coupled Difluoromethane Plasma Discharge	Yu-Liang	Hung
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-14	1126	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Sputtering deposition of low resistive 30-nm-thick ZnO:Al films on seed layers grown via solid phase crystallization of fractionally crystallized ZnON films	Yoshiharu	Wada
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-15	1127	Plasma Science and Technologies	A-2. Thin Film Deposition Process	MoS ₂ Synthesis on Fluorine-terminated Si Substrate by SF ₆ /Mixed Gas Plasma	Akihisa	Ogino
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-19	1141	Plasma Science and Technologies	A-5. Modeling and Simulation	Mechanical properties of Si_(1-x)-_(x): strength and stiffness of materials using LAMMPS molecular dynamics simulation	Clint Eldrick	Petilla
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-11	1145	Plasma Science and Technologies	A-4. Etching Process	60 MHz VHF-CCP Plasma to Produce Via on ABF Film.	Po-Sheng	Kuo
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-05	1147	Plasma Science and Technologies	A-1. Plasma Source	Investigation of metastable helium generated in atmospheric-pressure helium dielectric-barrier discharges	Jie-Wei	Liu
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-16	1155	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Design on CCP type PECVD system with 300 mm substrate for assessment of plasma processing materials and components	Hyunyeong	Lee
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-17	1157	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Phosphorus-Nitrogen Codoped P-type Zinc Oxide with Low Thermal Budget	Chiung-Wei	Lin

Date	Start	End	Session	Room	Presentation No.	Abstrac	Field	Category	Title of Abstract	Presenter	
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-18	1165	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Dense and Anti-corrosion Thin Films Prepared by Plasma Polymerization of Hexamethyldisilazane for Metallic Bond Implants	Yi-Ruei	Syu
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-21	1168	Plasma Science and Technologies	A-5. Modeling and Simulation	Treatment of Materials for Simulation on Plasma Material Interaction by Machine Learning Model	Seiki	Saito
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-19	1179	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Growth of carbon nanowalls on metallic substrates at low temperatures	Quang Minh	Ngo
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-06	1184	Plasma Science and Technologies	A-1. Plasma Source	Multiple Atmospheric-pressure Plasma Jets with a Single Microwave Power Module	Jun	Choi
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-23	1189	Plasma Science and Technologies	A-5. Modeling and Simulation	FDTD Analysis of the Propagation Characteristics of Millimeter-wave Vortex Fields in Magnetized Plasma	Chenxu	Wang
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-20	1194	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Crystallinity control of LiTiO thin films for Li ion batteries by RF plasma sputtering	Ryoto	Niwa
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-21	1197	Plasma Science and Technologies	A-2. Thin Film Deposition Process	RF Hydrogen Plasma Generation in Filtered Pulse Arc Deposition Apparatus	Toru	Harigai
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-22	1198	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Control of composite ratio in nanostructured SiGe films by high-pressure RF plasma co-sputtering	Tomohisa	Nakada
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-23	1199	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Effect of pulse frequency on deposition of diamond-like carbon using high-power pulsed magnetron sputtering	Shiro	Matsumoto
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-24	1200	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Deposition of Tungsten Oxide by Reactive Sputtering for Smart Glass	Shusuke	Hattori
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-24	1205	Plasma Science and Technologies	A-5. Modeling and Simulation	Effect of Charge Exchange Cross Section on Detached Plasma Simulation	Ryoji	Mano
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-25	1210	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Combinatorial approach for correlation among mechanical properties, oxidation resistance and high temperature wear resistance of AlCrSiTiN	Jenq-Gong	Duh
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-26	1217	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Fabrication of Ge/C composite film for Li-ion battery in the co-sputtering process	Tomoki	Omae
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-27	1218	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Fabrication of GeSn anode film for Li ion batteries by high He-gas-pressure plasma sputtering	Reon	Yokoi
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-28	1219	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Development of Li ion battery with Si nanoparticle anode films	Masayuki	Ishihara
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-25	1221	Plasma Science and Technologies	A-5. Modeling and Simulation	Generation of optical vortex beams using waveguides	Yoshihisa	Fujita
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-29	1222	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Effect of peak power density on deposition of tin oxide thin film by high-power pulsed magnetron sputtering	Yuta	Saito
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-30	1226	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Deposition of nitrogen-doped titanium oxide by reactive sputtering using oxygen and nitrogen mixture gas	Shuta	Ando
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-31	1239	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Effect of plasma assistance with nitrogen-hydrogen gas mixture on synthesis of zinc oxide thin film using mist CVD	Yuzuki	Moro
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-26	1262	Plasma Science and Technologies	A-5. Modeling and Simulation	Two Dimensional PIC Simulation of VHF Capacitively Coupled Ar Plasma	Yoshinobu	Kawai
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-33	1266	Plasma Science and Technologies	A-2. Thin Film Deposition Process	In-situ analysis of chemisorption reactions on SiO₂ surface using carbon precursor containing halogen	Liugang	Hu
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-34	1271	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Comparison of Methane and Difluoromethane Plasma Discharges for Plasma Polymerization in Closed System	Chun	Huang
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-35	1279	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Formation Conditions of the Tungsten Porous Thin Film with Pulsed Laser Deposition under Various Gas Atmosphere	SHOGO	KODATE
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-12	1281	Plasma Science and Technologies	A-4. Etching Process	Process Control of Plasma Etching Properties through Enhanced Dissociation of Hydrofluoroethane (C₂H₅F₅)	Trung Nguyen	TRAN
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-27	1287	Plasma Science and Technologies	A-5. Modeling and Simulation	Effect of Deposition Angle on Diamond-like Carbon Films on Silicon Trenches: a Molecular Dynamics Study	Alejandro Joaquin	Acero
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-28	1288	Plasma Science and Technologies	A-5. Modeling and Simulation	Population Kinetics and Number Densities of Excited Species in Nitrogen Inductively Coupled Plasma	Kenta	Ishi
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-36	1290	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Multilayers of AlON/HfO2 with high water vapor barriers deposited by high power impulse magnetron sputtering	Li-Chun	Chang
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-37	1291	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Simulation of microwave propagating along plasma-sheath interface from microwave injector to the outer surface of long steel pipe.	Akihiko	Ito
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-38	1293	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Strain Sensor Application of FeSiBnB Film Showing Large Barkhausen Jump	Koya	Maeno
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-39	1295	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Plasma-assisted mist chemical vapor deposition for formation of 3D nanostructured oxide thin films	Kosuke	Takenaka
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-40	1296	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Formation of amorphous gallium oxide thin film transistors using plasma-assisted reactive processes	Kosuke	Takenaka
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-13	1297	Plasma Science and Technologies	A-4. Etching Process	Atmospheric pressure plasma jet for improved light transmittance of scratched polycarbonate surface	Jesus Emmanuel, II	Pimentel

Date	Start	End	Session	Room	Presentation No.	Abstrac	Field	Category	Title of Abstract	Presenter	
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-07	1302	Plasma Science and Technologies	A-1. Plasma Source	Plasma-assisted CO₂ Methanation over Ni/Al₂O₃: Reaction Promotion by Atomic Hydrogen.	Dae-Yeong	Kim
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-08	1307	Plasma Science and Technologies	A-1. Plasma Source	Plasma-enabled Large-scale CO₂ Autothermal Methanation at Ambient Temperature	Wenjun	Zhang
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-09	1312	Plasma Science and Technologies	A-1. Plasma Source	Effect of Magnetic Field Strength on 100W-class Hall Thrusters Using Carbon Dioxide Propellant	Seiya	Tsuchikawa
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Room 201	05P-P2-41	1314	Plasma Science and Technologies	A-2. Thin Film Deposition Process	Effect of Hydrogen on Al-incorporated SiC Using Vinylsilane and TMA	Yuuki	Tsuchiizu
2024/3/5	16:10	17:40	Poster Session 2	EL 2F Foyer	05P-P1-14	1316	Plasma Science and Technologies	A-4. Etching Process	Atomic layer etching of platinum with sequential exposure to high-density oxygen/argon plasma and formic acid vapor at low temperature	Thi-Thuy-Nga	Nguyen