

Presentain No.	Abstract No.	Corresponding Author	Corresponding Author	Corresponding Author	Corresponding Author	Affiliation 1	Affiliation 2	Presenter Name	Frist	Presenter Family Name	Abstract Title
09P1-16	1001	Mr.	Dongbok		Lee	Sungkyunkwan University		Dongbok		Lee	Corrosion of CrAlSiN Films in SO <sub>2</sub> Gas at 900 °C
09P1-24	1003	Mr.	Wei		Li	National Taiwan University of Science and Technology		Wei		Li	Synthesis and Electrochemical Capacitor Characteristics of TMDs/CNTs/graphene
09P1-17	1011	Prof.	Te-Hua		Fang	Others	National Kaohsiung University of Science and Technology	Tang-Yu		Lai	Mechanical response and thermal conductivity of Sb-doped Bi <sub>2</sub> Te <sub>3</sub> nanofilms using molecular dynamics
09P1-11	1013	Mr.	Jhih-Jie		Lu	National Taipei University of Technology		Jhih-Jie		Lu	Two-step Synthesis of MoS <sub>2</sub> @ZnS Nanocomposites via CVD
09P1-31	1015	Mr.	Yu-Ying		Tsai	Others	National University of Tainan	Yu-Ying		Tsai	Study of metal-semiconductor junction structural and photodetector base on zinc oxide thin film and silver nanowires were fabricated by spin coated on glass
09P1-01	1017	Ms.	Yi-Hsueh		Lee	Others	National University of Tainan	Yi-Hsueh		Lee	CuO Nanoparticles Gas Sensing Based on ZnO Thin Film by MEMS Technology
09P1-02	1022	Prof.	Meng-Jiy		Wang	National Taiwan University of Science and Technology		Nhien		Vo Hao	Applications of Copper-doped Zinc Oxides on Antibacterial and Photocatalytic Properties
09P1-18	1024	Mr.	Kazuya		Miyaguchi	Nagoya University		Kazuya		Miyaguchi	Investigation of the Relationship between Crystallinity of Titanium Oxide Thin Films Deposited by Helium Plasma and Photocatalytic Activity of Ethylene
09P1-32	1025	Prof.	Meng-Jiy		Wang	National Taiwan University of Science and Technology		Jui-Yu		Tung	Customized Electrodes for Non-destructive pH Measurements of Concretes
09P1-26	1026	Mr.	Yu-Hsun		Wang	National Taiwan University of Science and Technology		Yu-Hsun		Wang	Synthesis and Characteristics of WS <sub>2</sub> /Graphene Composite for Hydrogen Evolution Reaction
09P1-19	1029	Dr.	Yusuke		Asakuma	Others	University of Hyogo	Atsuya		Shibatani	Enhancement of microwave effect by combination of anti-solvent addition and ultrasound sound irradiation in nano-particle synthesis process
09P1-20	1030	Dr.	Yusuke		Asakuma	Others	University of Hyogo	Atsuya		Shibatani	Aggregate shape in suspension through bubble size during microwave irradiation
09P1-27	1035	Mr.	hao pin		Shi	Others	Ming Chi University of Technology, Taiwan	Hao-Pin		Shi,	Phosphorous-Doped NiO Thin-Film Prepared by ICP-CVD as the Back-Side Field and Passivation Layer in Solar Cell Applications.
09P1-03	1061	Mr.	Takumi		Todoroki	Nagoya University		Tatumi		Todorolo	Hydrogen storage properties and their size-dependence of Pd nanoparticles by solution reduction method
09P1-04	1062	Mr.	Ryosuke		Makii	Nagoya University		Ryosuke		Makii	One-pot preparation and hydrogen storage properties of Pd-Ag alloy nanoparticles
09P1-21	1063	Mr.	Jason		Pechardo	University of the Philippines-Diliman		Jonard Jairo		Reyes	Plasma-assisted surface modification of pineapple fibers for improved compatibility with epoxy polymeric matrices
09P1-05	1064	Mr.	Rintaro		Kawai	Nagoya University		Rintaro		Kawai	Ar sputtering-induced reduction of CeO <sub>2</sub> nanoparticles and layers on substrate
09P1-22	1068	Mr.	Yi-Cheng		Liao	National Taiwan University of Science and Technology		Yi-cheng		Liao	Study of MoS <sub>2</sub> p-n Junction by Oxygen Plasma Treatment
09P1-06	1070	Mr.	Kengo		Okai	Nagoya University		Kengo		Okai	Direct TEM observation of interaction among catalytic CeO <sub>2</sub> nanoparticles and carbeneous compounds
09P1-28	1071	Mr.	Jun-Yu		Liu	National Taiwan University of Science and Technology		Jun-Yu		Liu	Electrochemical Study of Nickel Oxide Compound Coated onto Carbon Nanotubes
09P1-13	1079	Mr.	Juan Carlos		Novero	University of the Philippines-Diliman		Juan Carlos		Novero	Spatially Confined Fe <sub>3</sub> O <sub>4</sub> -Fe <sub>2</sub> O <sub>3</sub> Quantum Dots in TiO <sub>2</sub> -coated Metallic Glass Nanotube Array for Photocatalytic Degradation of Antibiotic
09P1-12	1098	Prof.	Chun-Yuan		Huang	Others	National Taitung University	Zi-Hao		Wang	Synthesis, characterization, and applications of fluorescent 0D/3D Cs <sub>4</sub> PbBr <sub>6</sub> /CsPbBr <sub>3</sub> perovskite composite powder
09P1-14	1105	Mr.	Soichiro		Magata	Mie University		Soichiro		Magata	Formation of aggregate of iron-filled carbon nanotubes induced by gas discharge breakdown using triode electrode configuration
09P1-15	1115	Mr.	Tatsuki		Okuyama	Nagoya University		Tatsuki		Okuyama	Crystal Structure Effects on Helium-Plasma-Induced Large-Scale Metallic Fiberform Nanostructures
09P1-33	1117	Prof.	Wei-Hung		Chiang	National Taiwan University of Science and Technology		Guan-Xian		Wu	Microplasma synthesis of silver nanoparticle/graphene quantum dots nanohybrids for photoluminescence-based silver ion and biothiols detections
09P1-07	1118	Prof.	Wei-Hung		Chiang	National Taiwan University of Science and Technology		Hao-Dong		Yang	Microplasma Synthesis of AgAu Bimetallic Nanoparticles for Catalytic and SERS Applications.

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09P1-34	1119	Prof.	Wei-Hung		Chiang	National Taiwan University of Science and Technology		Yen- Yu		Yeh	Microplasma Synthesis of Graphene Quantum Dots Photoluminescent Nanosensors for Folic Acid and Ferrous Iron Detections
09P1-35	1120	Prof.	Wei-Hung		Chiang	National Taiwan University of Science and Technology		Gui-Yi		Chang	Microplasma-assisted one-step synthesis of silicon quantum dots for detection of dopamine
09P1-29	1125	Mr.	Tomoya		Uwabe	Mie University		Tomoya		Uwabe	Simulation of strain sensor with granular film and FeSIBN <sub>b</sub> amorphous film
09P1-25	1126	Mr.	Ren		Sonoda	Mie University		Ren		Sonoda	Magnetic properties of graphene oxide annealed in hydrogen atmosphere
09P1-08	1130	Prof.	Wei-Hung		Chiang	National Taiwan University of Science and Technology		Chen-Lin		Wang	Microplasma-assisted synthesis of graphene quantum dot from benzene derivatives for chemical sensing
09P1-23	1164	Mr.	Naoyuki		Hara	Mie University		Naoyuki		Hara	Oxidation behavior on metal surface by irradiation of atmospheric-pressure plasma jet
09P1-09	1166	Mr.	Chiharu		Kaida	Nagoya University		Chiharu		Kaida	Photoluminescence and redox properties of ZrO <sub>2</sub> -doped CeO <sub>2</sub> :Eu <sup>3+</sup> nanoparticles synthesized by hydrothermal Method
09P1-10	1195	Mr.	Jyo		Suzuki	Nagoya University		Jyo		Suzuki	Synthesis of silver nanoparticles by in-line liquid process using microwave plasma source
09P1-30	1235	Prof.	Shui	Hsiang	Su	I-Shou University		Shui-Hsiang		Su	Enhancing the power conversion efficiency of perovskite solar cells with an iodide-doped active layer
09P1-36	1237	Prof.	Masakuni		Ozawa	Nagoya University		Masakuni		Ozawa	Sintering of CeO <sub>2</sub> nanoparticles and their interaction with adsorbents under in situ TEM observation
09P1-41	1239	Prof.	Jeongsoo		Hong	Gachon University		Jeongsoo		Hong	Synthesis of FeOOH nanorod for hydrogen production
09P1-50	1245	Prof.	Sahar	Elnobi	Ibrahim	Nagoya Institute of Technology		Sahar		Elnobi	Room Temperature Graphitization of Carbon-Ni composite films
09P1-51	1252	Dr.	Hiroto		Tachikawa	Hokkaido University		Hiroto		Tachikawa	Mechanism of Hydrogen Storage in the Graphene Nanoflake-Lithium-H <sub>2</sub> System
09P1-52	1253	Dr.	Hiroshi		Kawabata	Hokkaido University		Hiroshi		Kawabata	Mechanism of Adsorption/Desorption of H <sub>2</sub> to the Graphene Surface
09P1-48	1254	Mr.	Ryouta		Inokuma	Gifu University		Ryouta		Inokuma	Anisotropic Wettabilities of Crazed Films Fixed with Carbon Nanotubes
09P1-53	1255	Dr.	Ritesh Kumar	Ritesh Kumar Vishwakarma	Vishwakarma	Others	C's Techno. Inc.	Ritesh Kumar		Vishwakarma	Impact of LASER on graphene growth and Graphene/Si Solar cell improvement
09P1-42	1265	Dr.	Asli		N.A	Others	Universiti Teknologi MARA	Tetsuo		Soga	Distribution of Vertically Aligned Carbon Nanotubes by Different Ferrocene Concentration on Optimized Nanostructured Porous Silicon Template
09P1-57	1266	Ms.	Nur Amierah		Mohd Asib	Others	Universiti Teknologi MARA (UiTM)	Mohamad Rusop		Mahmood	Correlation between surface topography and optical properties of TiO <sub>2</sub> nanostructures via sol-gel spin-coating technique
09P1-37	1267	Ms.	Rabiatuladawiyah		Md Akhir	Others	Universiti Teknologi MARA	Tetsuo		Soga	Biosynthesis of Titanium Dioxide Nanoparticles using Pandanus amaryllifolius Extract as Reducing Agent for Antimicrobial Activity
09P1-38	1269	Ms.	Nurul Hidayah	noor asnida asli	Sulimai	Others	UiTM	Tetsuo		Soga	Structural Properties of Calcite Nanocrystallite on Fluorine Doped Tin Oxide by Thermal Chemical Vapour Deposition
09P1-39	1271	Ms.	Irmaizatussyehdan		Buniyamin	Others	Universiti Teknologi MARA (UiTM)	M. Rusop		Mahmood	Calcination Temperature Effects on Biosynthesis of SnO <sub>2</sub> Nanoparticles from Plant Leaf of Chromolaena odorata (L.) King & Robinson
09P1-43	1273	Ms.	Najwa Ezira		Ahmed Azhar	Others	Universiti Teknologi MARA	Tetsuo		Soga	The influence of anodization times on TiO <sub>2</sub> nanotube arrays by single-step electrochemical anodization method
09P1-40	1275	Ms.	Nur Munirah		Safiy	Others	Universiti Teknologi MARA	Nur Munirah		Safiy	A Unique Transformation of Anatase-Rutile Phase of Nb-doped TiO <sub>2</sub> Nanoparticulate Films Synthesized via Thermal Assisted Sol-Gel Method
09P1-44	1278	Ms.	Siti Zulaikha		Umbaidillah	Others	Universiti Teknologi MARA	Tetsuo		Soga	Photoluminescence and UV-Visible Characteristics of Nanostructured Metal-doped Zinc Oxide on Titanium Dioxide Seed Layer Thin Film
09P1-49	1281	Ms.	Hafsa		Omar	Others	Universiti Teknologi MARA	Tetsuo		Soga	Characterization of Graphite Prepared from Coconut Shell Charcoal via Ball Milling
09P1-45	1282	Ms.	Nurulhuda		Ismail	Others	Universiti Teknologi MARA	Nurulhuda		Ismail	Synthesis of Carbon Nanofibre and Multi-walled Carbon Nanotube by Immersed Heated Assisted Thermal Chemical Vapour Deposition Using Fermented Tapioca Precursor

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09P1-46	1283	Prof.	Nurulhuda		Ismail	Others	Universiti Teknologi MARA	Nurulhuda	Ismail	Fermented Tapioca Precursor: An Alternative Carbon Nanotubes Synthesis for In Vitro Cells Study
09P1-54	1284	Ms.	Nurfarhana		Rosman	Others	University Teknologi MARA	Nurfarhana	Rosman	Effect of Inhibition Process to the Shelf Life of Mango with at Different Weight Percentages of Zinc Oxide Nanoparticles
09P1-55	1285	Ms.	ROBAIAH	HJ	MAMAT	Others	UNIVERSITI TEKNOLOGI MARA (UiTM)	M	RUSOP	Growth of multilayer graphene on nickel substrate using waste cooking palm oil at different synthesis times
09P1-56	1286	Ms.	ROBAIAH	HJ	MAMAT	Others	UNIVERSITI TEKNOLOGI MARA (UiTM)	M	RUSOP	Synthesis of multilayer graphene using waste cooking palm oil as a potential application for humidity sensor
09P1-47	1288	Mr.	Wittawat		Poonthong	Others	King Mongkuts University of Technology Thonburi	Wittawat	Poonthong	Effect of thickness on characteristics of TiO <sub>2</sub> Nanotubes Layer for Electrochemiluminescence Cell Application