Poster Awards of 2023 ISCM-1

Poster session 1 Session-A

Poster No.	Title	Authors	Affiliation
High Distinction(特優) P-F-3	Functionalized TiO ₂ Photo- Electrocatalytic Carbonized Membrane for Efficient Degradation of Micropollutants	Jhen-Cih Wu¹, Yi-Hsueh Chuang², Sofia Ya Hsuan Liu ^{3,4} , Chia-Hung Hou ^{1,*}	^{1, 3, 4} National Taiwan University, Taiwan; ² National Yang Ming Chiao Tung University, Taiwan
Excellence(優選) P-C-1	Enhancement of Carbon Quantum Dots on P25/NH2-MIL-125 for Photocatalytic Degradation of Organic Pollutants under Visible Light	Wen-Chieh Hsiao¹, Chia- Hao Tseng², Chao-Wei Huang²*	¹ National Kaohsiung University of Science and Technology, Taiwan. ² National Cheng Kung University, Taiwan.
Excellence(優選) P-F-2	Precise synthesis of Thiol-End Group Dendritic Polymers Decorated with Gold Nanoparticles Immobilized on Amino- Functionalized Graphene Oxide Thin Films for SERS Detection	Yang Lin², Ri-Hao Yeh², Gong-De Lin¹, Qi-Yang	University, Taiwan. ² Ming Chi University
Honorable Mention(佳作) P-C-3	Different Phases of Phenylenediamine Carbon Quantum Dots Supported on P25/NH2-MIL-125 Composite Materials for Visible Light Photocatalytic Degradation of Organic Pollutants	Hui-Shan Chang! Chao-	¹ National Kaohsiung University of Science and Technology, ² National Sun Yat- Sen University, Taiwan
Honorable Mention(佳作) P-C-5	Composites via Microwave-Assisted Synthesis for Dual Removal of Organic Dyes and Heavy Metal Cation Under	Andrew A. Valinton ² ,	of Kaohsiung, Taiwan; ² National
Honorable Mention(佳作) P-F-1	Photocurable Resin with Poly(Ethylene Glycol) Methacrylate Modified Graphene Nanosheets for 3D Printing Application	O .	Ming Chi University of Technology
Honorable Mention(佳作) P-F-5	Silver Nanoparticles on Photocatalytic g- C ₃ N ₄ /Graphene Oxide Nanoplatelets for Reusable SERS Detection		¹ Ming Chi University of Technology, Taiwan; ² National Taiwan University of Science and Technology, Taiwan;

Poster session 1 Session-B

Poster No.	Title	Authors	Affiliation
High Distinction(特優) P-E-11	Biomass Carbon Use Nitrogen Doping Effects via Microwave-Assisted Hydrothermal Reaction as Potential Anode Materials for Na Ion Batteries	Zhi-Ting Liu ¹ , Tzu-Hsien	¹ Chung Yuan Christian University, Taiwan; ² CPC Corporation, Taiwan.
Excellence(優選)	Silicon/Carbon Composite Anode Derived from Nano Silicon/Phenolic Resin/Pitch as Anode Materials for Lithium-Ion Batteries	Yu-Hsuan Li, Wei-Ren	Chung Yuan Christian University
	Si/SiOx/Al2O3 From Recycled Solar Cells as a Lithium-Ion Battery Anode Material	lHuano ² Heu-Min	University, Taiwan;
Mention(佳作)	Application of Environmentally Sustainable Carbon Quantum Dots in Organic Photovoltaics	Yu-En Chien ¹ , Hsin-Te Liang ² , Yan-Cheng Peng ² , Jia-Chen Chang ¹ , Chi- Heng Wei ¹ , Ching -Chao Chiang ^{1,*} , Tzong-Yuan Juang ³ , Chih-Ping Chen ^{2,*}	Normal University , Taiwan; ² Ming Chi University of Technology, Taiwan;
Honorable Mention(佳作) P-E-3	The Effects of Sulfonated Graphene Nanosheets Encapsulated in Polysulfone- Based Proton Exchange Membranes for Vanadium Redox Flow Battery	Yu Liu¹*, Chao-Chi Lai¹,	¹ Ming Chi University of Technology, Taiwan; ² Institute of Nuclear Energy Research, Taiwan.
Mention(佳作) P-E-4	Phenolic Resin Modified by High Efficiency Oxygen Plasma for Lithium Ion Batteries with Superior Performance	Wei-Chu Hsu, Wei-Ren Liu*	Chung Yuan Christian University
Mention(佳作)	High Retention Supercapacitors Using Carbon Nanomaterials/Iron Oxide/Nickel-Iron layered Double Hydroxides as Electrodes	Chi-Young Lee, Nyan-	National Tsing Hua University

Honorable Mention(佳作) P-E-10	Influence of Conductive Additives in High-Energy Density Electric Double- Layer Capacitors with Organic Electrolyte	Hsien Hsieh*, Jarrn-	National University
Honorable Mention(佳作) P-E-16	Graphitic Nanofibers Supported NiSe ₂ Nanoparticles for the Performance Enhancement of Methanol Oxidation	Jun-Kai Yang, Chien-Kuo	Ming Chi University of Technology

Poster session 2 Session-A

Poster No.	Topic	Presenter	Institution
High Distinction(特優) P-B-7	Fluorescent Quantum Defects in Carbon Nanotubes and their Degradability	Te-I Liu ¹ , Carlos Quiroz ^{1,2} , Ai Phuong Nguyen ^{1,3,4} , Ching-Wei Lin ^{1,*}	^{1,3} Academia Sinica, Taiwan; ² Taipei Medical University, Taiwan; ⁴ National Tsing Hua University, Taiwan.
Excellence(優選) P-B-9	Exploring the Optical Properties and Physiological Effects of Single Chirality Carbon Nanotube Enantiomers	Carlos J. Quiroz ^{1,2} , Ching Wei Lin ^{2,*}	¹ Taipei Medical University, Taiwan; ² Academia Sinica, Taiwan
Excellence(優選) P-B-11	Laser-Assisted Carbonization and Hydrophobicization to Fabricate Microelectrodes for Skin Patches Uses	Jui-Yang Chan ¹ , Yi- Chang Chung ^{1,2*}	^{1,2} National University of Kaohsiung
Honorable Mention(佳作) P-B-16	Flexible PDMS 3D-nanostructure SERS Chip for Water Pollutants	Yun-Chu Chen, Yu- Hsiang Huang, Ting-Yu Liu*	Ming Chi University of Technology
Honorable Mention(佳作) P-B-8	Anti-Bacterial Capabilities and SERS Detection of PEDOT: PSS Coating with Graphene Oxide Nanosheets and Silver Nanoparticles by Electropolymerization	Chun-Hao Wu, Chao-Chi Lai, Ting-Yu Liu*	Ming Chi University of Technology
Honorable Mention(佳作) P-N-2	Oxidative Decomposition of Luminescent Defect-Containing Carbon Nanotubes	Yen-Hsuan Lin ^{1,2} , Ching- Wei Lin ^{2,*}	¹ National Taiwan Normal University, Taiwan; ² Academia Sinica, Taiwan.
Honorable Mention(佳作) P-N-7	High-Performance Flexible Transparent Conductive Film Based on rGO/Ag NWs for Foldable Solar Cell	Yu-Ching Huang,* Yi- Ting Lai, Po-Yen Wu	Ming Chi University of Technology

Poster session 2 Session-B

Poster No.	Topic	Presenter	Institution
High Distinction(特優) P-D-1	Development of a Diagnostic Platform for Alzheimer's Disease Using Fluorescent Nanodiamond-Based Spin- Enhanced Lateral Flow Immunoassay	Stefanny Angela, Gianna Fadhillah, Wesley Wei- Wen Hsiao*, Wei-Hung Chiang*	National Taiwan University of Science and Technology
Excellence(優選) P-R-2	Atmospheric Pressure Hexamethyldisiloxane Plasma Deposition of Organosilica-Carbon Films	Pin Ying Wu, Chun Huang*	Yuan Ze University
Excellence(優選) P-R-15	Highly Sensitivity Pressure Sensor Using Crumpled Graphene	Yi-Yan Tang, Yen-Ting Liu, Chun-Hu Chen*	National Sun Yat-sen University
Honorable Mention(佳作) P-R-11	Application of Magnesium Nitrate Hexahydrate/ Graphene/ Carbon Nanotube Composite Phase Change Materials in Solar Thermal Storage	Yeng-Fong Shih, Zi-ting Liao*, Nien-chen Tsai, Ying-Hsiao Chen*	Chaoyang University of Technology
Honorable Mention(佳作) P-R-10	Green and Ultrahydrophobic Fluorine- Doped Graphene Composite Coatings with Excellent Corrosion-Resistant Performances	Hao-Hsuan Hsia, Geng- Hua Li, Wei-Ren Liu*	Chung Yuan Christian University
Honorable Mention(佳作) P-R-12	Crumpled Graphene Coating to Reduce Frictional Resistance of Sailing	Tsung-Han Chan, Jyun- Hao Chen, Chun-hu Chen*	National Sun Yat-Sen University