

Poster No.	Title of submission	學校/單位	Name
P01-01	Intercalation of Vanadium-Doped Multilayered Ti3C2Tx Electrode for Electrochemical Detection of Dopamine Sensor	Bharathidasan University	Ramadoss Jagadeesh
P01-02	A symbiotic signal amplification technique using Zinc Titanate arranged on carbon nanofiber for a simple and sensitive electrochemical analysis in food toxic chemicals	明志科技大學Ming Chi University and Technology	尼爾馬爾SAKTHIVEL NIRMAL KUMAR
P01-03	ZnFe2O4@f-CNF modified glassy carbon electrochemical sensor for detection of the food additive Tert-Butyl Hydroquinone in Edible oil and other food samples	Kuvempu University	Yemmi Rajeshwari
P01-04	Rapid Capturing Bacteria Capability in Milk and Liquid Eggs by Amino-Functionalized Magnetic Nanosheets for Food Safety Detection	明志科技大學Ming Chi University and Technology	李若瑜Ruo-Yu Lee
P01-05	Design and development of non-enzymatic electrochemical sensor for the detection of acetaminophen utilizing Fe2O3@rGO/CNF composite modified electrode	Science Campus	MURUGAN SHIBASINI
P01-06	Tungsten disulfide nanosheets coated boron carbide composite for highly sensitive determination of chloramphenicol in food and pharmaceutical samples	臺北科技大學National Taipei University of Technology	Dhayanithi Senthilkumar
P01-07	Synthesis and fabrication of metal tungstate (CoWO4) with g-C3N4 for electrochemical sensing of 4-nitrotoluene in drinking and industrial-waste water	明志科技大學Ming Chi University and Technology	佩魯馬爾Murugesan Perumal
P01-08	Flexible Fabrication of Negative Pyramid Microarrays Coated with Noble Metal Nanoparticles and SERS Detection of Biomolecules and Water pollutants	台灣科技大學National Taiwan University of Science and Technology	林佳賢CHIA-HSIEN, LIN
P01-09	AuNPs/ZIF-67 on Laser-Scribed Graphene Biochip for Electrochemical and Surface-Enhanced Raman Scattering Detection of Uremic Toxins	台灣科技大學National Taiwan University of Science and Technology	彭廣誌KUANG-CHIH PENG
P01-10	Fabrication and Characterization Of Activated Tomato Derived Biocarbon anchored Zinc Niobate nanocomposite for sensitive voltammetric detection of food additive: Propyl gallate	PSG College Of Arts And Science	Vadivelu Yogalakshmi
P01-11	Synthesis and Characterization of Co-MOF[ZIF-67] incorporate with Carbon Black Using for Electrochemical detection of Furazolidone (FZD) and its biomedical Applications	臺北科技大學National Taipei University of Technology	ARUNKUMAR SELVAM
P01-12	Design and Fabrication of Ag/CeFeO3@f-CNF composite for highly sensitive electrochemical Detection of Propyl Gallate in food products	Dr. N.G.P. Arts and Science College	VAIYAPURI MANEMARAN HARIHARAN
P01-13	Covalent functionalization of Graphene Oxide –Benzimidazole heterostructure with Molybdenum carbide for the Detection of Propyl Gallate	Karunya University	Sneha Abraham
P01-14	Sono-chemically synthesised copper sulphide sphere-like structure and boron carbide composite as electrode material for low level determination of sulfadiazine in environmental and biological samples	臺北科技大學National Taipei University of Technology	PARTHASARATHI MANIMARAN
P01-15	Dual-Functional Biochip for Rapid Detection of Biomolecules and Virus Proteins	明志科技大學Ming Chi University and Technology	褚昱茹Chu, Yu-Ju
P01-16	Microplasma-Enabled Synthesis of Nanohybrids as Surface Enhanced Raman Scattering (SERS) Biosensor for Alzheimer's Disease Biomarker	台灣科技大學National Taiwan University of Science and Technology	邱燕凌Yen Ling Chiu
P01-17	Gold nanoparticles decorated on thiol-functionalized mesoporous silica for SERS detection of biomolecules and water pollutants	台灣科技大學National Taiwan University of Science and Technology	林愷庭LIN, HSUAN-TING
P01-18	Electropolymerized PEDOT: PSS with AgNPs and GO for Antibacterial coating and SERS biosensing	明志科技大學Ming Chi University and Technology	藍湘婷Hsiang-Ting Lan
P01-19	Electrodeposition of Silver Dendritic Fractal Nanostructures on 3D Laser-Scribed Graphene for Electrochemical-SERS Detection	明志科技大學Ming Chi University and Technology	林盈君Ying-Jun Lin
P01-20	ULTRASENSITIVE SERS DETECTION OF LOW-CONCENTRATION ANALYTES VIA 3D GOLD NANOWIRES/PDMS SUBSTRATES	明志科技大學Ming Chi University and Technology	岳鼎家Ding-Jia Yueh
P02-01	PVD-Engineered the nanopyramid-like stainless-steel membrane toward high selective and high-permeable oil/ water emulsions separation	台灣大學National Taiwan University	葉侑觀 Yeh, Yi-Jui
P02-02	Harnessing Blue Energy to Facilitate the Electrolysis of Seawater for Efficient Hydrogen Production	明志科技大學Ming Chi University and Technology	李杰觀 Chieh-Jui Li
P02-03	Self-repairing biodegradable hydrogels for flexible electronics	明志科技大學Ming Chi University and Technology	吳蕙君 Hui-Chun Wu
P02-04	Enhanced electrochemical energy storage performance by mediating BaTiO3 nanoparticles into the multilayers of Ti3C2Tx MXene	National Institute of Technology, Warangal	Jitesh Pani
P02-05	Enhanced Actuation Performance of Multiple Stimuli Responsive PDMS-Graphene Oxide Based Bilayer Actuators by Adding Ionic Liquid	明志科技大學Ming Chi University and Technology	張恩瑞 En-Jui Chang
P02-06	Recyclable CQDs/PVA nanofiber films for the triboelectric nanogenerator application	明志科技大學Ming Chi University and Technology	張鈞傑 Jun-Jie Zhang
P02-07	Extremely effective solid-state adjustable symmetric supercapacitor employing transition metal oxide with 2D layered MXene	明志科技大學Ming Chi University and Technology	李奕璵 Yi-Tsung Lee
P02-08	Achieving thermal management before and after sweating by conventional textile fabrics decorated with metallic nanoparticles	明志科技大學Ming Chi University and Technology	王建禾 Jian-He Wang

P02-09	Relieving the critical role of Cobalt dopant over Nb ₄ C ₃ T _x with hydrothermally treated Boron Nitride for superior specific capacitance for supercapacitor application	Bharathiar University	NIKHIL PRABHAKAR
P02-10	Switch between a mirror and a window by dynamically changing thickness and morphology of metal in the aids of nanosphere lithography and electrochemistry	明志科技大學Ming Chi University and Technology	蕭丞芻Cheng-Yuan Xiao
P02-11	Integrating acoustic sound-absorbing metamaterials and springs to achieve triboelectric components	明志科技大學Ming Chi University and Technology	翁璋志Weng,Wei-Zhi
P02-12	Exploration of hybrid CeO ₂ -MoO ₃ /carbon nanofiber based nanocomposites as an efficient electrode material for supercapacitor applications	Alagappa University	SUGANYA SUBRAMANIYAN
P02-13	Highly efficient cobalt single-atom catalyst supported on molybdenum tungsten phosphide as bifunctional electrocatalyst for overall water splitting	Bharathiar University	SELVADHARSHINI KARUPPUCHAMY
P02-14	Fabrication and Characterization of Reduced Graphene Oxide (RGO) and Silicon Dioxide (SiO ₂) Nanocomposites Electrode for Lithium Ion Battery Application	State Jakarta Of university	雷汉M. Rayhan Izzati Yusuf
P02-15	Enhanced Pseudocapacitive Behavior in Binder-Free Reduced Graphene Oxide Incorporated Ni ₃ S ₂ /MnO ₂ Hierarchical Heterostructures for Asymmetric Supercapacitors	Sri Sivasubramaniya Nadar College of Engineering	TAMILSELVAN ARUN
P02-16	Hydrothermally derived CuCo ₂ O ₄ -CuCo ₂ Se ₄ Heterostructure as Electrode for high Energy Supercapattery Applications	Pondicherry University	Kalidoss Kannadasan
P02-17	Exploration of Rationally Designed MW-CNT/MnO ₂ /NiCo Layered Double Hydroxide as Competent Electrode Material for Hybrid Supercapacitor	Periyar University	K. R. Hariprasath
P02-18	Process effects on the microstructures of BaCeZrYYbO _{3-δ} coatings by solution precursor plasma spray (SPPS) for sustainable energy application	Chinese Culture University	曾威翔Wei-Xiang Zeng
P02-19	Phosphorus-intercalant dependent electrocatalytic activities of MgMn-LDHs	明志科技大學Ming Chi University and Technology	王乃弘NAI-HUNG WANG
P02-20	Configurational entropy tailoring of relaxor ferroelectric ceramics for excellent electric energy storage	Silliman University	蒙麗思Rhys Hinampas Montecillo
P02-21	Using electropolymerization to modify PEDOT:PSS film on carbon felt electrode and apply it to vanadium redox flow battery negative electrode	明志科技大學Ming Chi University and Technology	劉宛柔Wan-Rou Liu
P02-22	Development of Slot-Die Coated Perovskite Solar Cells with non-toxic solvent	台灣大學National Taiwan University	李嘉峰Chia-Feng Li
P02-23	The impact of nitrogen content on OER performance of Al _{0.5} CoCrFeNi ₂ N _x high entropy alloy thin films	台灣科技大學National Taiwan University of Science and Technology	劉致廷Zhi-Ting Liu
P02-24	Photocatalytic Degradation of Pesticides and Antimicrobial Activities of TiO ₂ Nanomaterials	明志科技大學Ming Chi University and Technology	黎有福Le Huu Phuoc
P02-25	Microwave-assisted synthesis of MOF based on recycled microplastic-polluted wastewater from plastic industries for photocatalysis in wastewater treatment	明志科技大學Ming Chi University and Technology	廖悠芬 Yu-Chin liao
P03-01	Characteristics of high-power impulse magnetron sputtering AlCrTiZrSiW high-entropy alloy coating	明志科技大學Ming Chi University and Technology	盧柏睿Bo-Ruei Lu
P03-02	The influence of target composition on AlCrN film properties in high power impulse magnetron sputtering	明志科技大學Ming Chi University and Technology	林旻毅Lin-Ming-Yi
P03-03	Development of Antibacterial Application Coatings by High-Power Impulse Magnetron Sputtering of AlCrTiZrW High-Entropy Alloy	明志科技大學Ming Chi University and Technology	曹榮恩Jung-En Tsao
P03-04	The Role of Reactive Gas Pulsing Synchronized with Digitally Processed HiPIMS Ti-O-N coatings	明志科技大學Ming Chi University and Technology	鄭柏奕Po-Yi Cheng
P03-05	Effects of nitrogen contents on the properties of TiZrNbSiMoN _x high entropy alloy coatings fabricated by high power impulse magnetron sputtering	明志科技大學Ming Chi University and Technology	林仁宗Ren-Zong Lin
P03-06	High Power Impulse Magnetron Sputter of Copper on LCP: The Influence of Substrate Bias Voltage	明志科技大學Ming Chi University and Technology	張耘睿Yun-Rui Zhang
P03-07	Effect of working pressure and post-annealing on structural, optical and electrical properties of Cu _x O thin films and their RRAM Applications	國立高雄科技大學National Kaohsiung University of Science and Technology	林奎煥Keui-Huan Lin
P03-08	AlON-HfO ₂ with high water vapor barriers deposited by high power impulse magnetron sputtering	明志科技大學Ming Chi University and Technology	林聖恩Sheng-En Lin
P03-09	Evaluation of the electrochemical properties of FeNiMoWCu _x high entropy alloy thin films.	明志科技大學Ming Chi University and Technology	林冠臣KUAN-CHEN LIN
P03-10	Study on the microstructure and mechanical properties of AlCrNbSiTiCBN high entropy alloy carbide content films	明志科技大學Ming Chi University and Technology	陳澤維Tse-Wei Chen
P03-11	Effects of process temperature on the microstructure and mechanical properties of (HfVTiZrW)B ₂ high entropy alloy boride thin films	明志科技大學Ming Chi University and Technology	王俊興JUN-XING WANG
P03-12	AlCrNbSiTiC high entropy carbide thin films: Microstructure and Mechanical Property Study	臺北科技大學National Taipei University of Technology	蔡翔宇 TSAI,HSIANG-YU

P03-13	Mechanical properties evaluation of AlCrNbSiTiN/AlCrN high entropy alloy nitride multilayer thin films	台灣科技大學National Taiwan University of Science and Technology	曾上華shang hua Tseng
P03-14	Microstructure, Mechanical, and Corrosion Properties Evaluation of TiZrNbTaFe, TiZrNbTaFeC, and TiZrNbTaFeCN High Entropy Alloy Coatings	台灣科技大學National Taiwan University of Science and Technology	ISMAIL RAHMADTULLOH
P03-15	Property evaluation of Nd-doped CoCrFeMnNi high entropy alloy films	明志科技大學Ming Chi University and Technology	黎佳霖Chia-Lin Li
P03-16	Effect of Taguchi method on the fabrication of TiOx thin films using superimposed HiPIMS and MF system	臺北科技大學National Taipei University of Technology	許世揚Shih-Yang Hsu
P03-17	The effect of titanium content on the performance of the ZrTiNbSi medium entropy alloy thin film	明志科技大學Ming Chi University and Technology	鍾勁愷Shao-Kai Chung
P03-18	Effects of acetylene gas flow rates on the anti-corrosion properties of TiZrNbTaFeBCN high entropy alloy films	台灣科技大學National Taiwan University of Science and Technology	莊孟學Meng-Hsueh Chuang
P03-19	Effect of bilayer periodic thickness ratios on the mechanical properties of TiZrNbTaFeN/TiN high entropy alloy nitride multilayer thin films	明志科技大學Ming Chi University and Technology	洪聖堯Sheng-Yuan Hung
P03-20	Effects of Ti contents on the microstructure, mechanical properties of WTiB boride thin films	明志科技大學Ming Chi University and Technology	方韋翔Wei-Siang Fang
P03-21	Effect of Ti and B addition on the microstructural, mechanical, corrosion, and oxidation properties of AlCrNbSiTiBCN coatings	台灣科技大學National Taiwan University of Science and Technology	Igamcha Moirangthem
P04-01	Research on Epitaxial Growth of Al/AlOx/Al and Al/AlN _x /Al via MBE for Josephson Junction Applications	國立中山大學National Sun Yat-sen University	吳秉洋Wu, Bing-Yang
P04-02	Enthusiastic structural arrangement by Lewis's base surface passivation for highly stable and efficient MAPbI ₃ perovskite photovoltaics	SSN College of Engineering, Chennai	Anandha Krishnan Ramasamy
P04-03	Synergistic Integration of 1D and 3D Perovskites: Elevating Solar Cell Efficiency through Nano structural Engineering	Indian Institute of technology IIT(ISM)	Seema Mourya
P04-04	Fabrication of Novel CuO-ZnO/rGO Nanocomposite using One-Pot Hydrothermal Method for UV and Visible Light Photodegradation of Malachite Green (MG) Dyes Waste	Brawijaya University	里奇Rifqi Fajar Maulana
P04-05	Fabrication And Characterization of Nickel/Cobalt-doped Fe ₃ O ₄ /Reduced Graphene Oxide Nanocomposites for Military Radar Absorbing Materials	Republic Of Indonesia Defense University	故大Gita Resty Amalia
P04-06	Optoelectronic Performances of IGZO/Al/IGZO Sandwich Multilayers with Different IGZO Film Thicknesses Prepared by RF Sputtering Technique	國立高雄科技大學National Kaohsiung University of Science and Technology	張祐瑄YU-HSUAN CHANG
P04-07	Comparative Study of Structural And Optoelectrical Properties of ZnO/Al/ZnO And ZnO/Ag/ZnO Sandwich Multilayer Film as A Function of Annealing Conditions	國立高雄科技大學National Kaohsiung University of Science and Technology	李豐宇FENG-YU LI
P04-08	Isoidigo derivative-based organic photovoltaics and photodetectors are employed with solvent engineering in all-small-molecule configurations	明志科技大學Ming Chi University and Technology	張淳硯Chun Yen Chang
P04-09	Approach to a full color reflective display by integrating three metasurfaces with liquid crystal module	明志科技大學Ming Chi University and Technology	李學舜LEE,HSUEH-SHUN
P04-10	Enhancing efficiencies of an indoor solar cell through metamaterial perfect absorber	明志科技大學Ming Chi University and Technology	陳信佑Sin-You Chen
P04-11	Organic Photodetectors with Enhanced Near-Infrared Sensing Capability through Ternary Addition	明志科技大學Ming Chi University and Technology	許宜揚YI-YANG HSU
P04-12	Performance analysis of RF-sputtered n-IGZO/p-Si heterojunction Ultraviolet photodetectors	國立高雄科技大學National Kaohsiung University of Science and Technology	李晉豪Jin-Hao Li
P04-13	Enhancing the efficiency of Indoor Perovskite Solar cell by using organic ammonium salts as passivation layer	明志科技大學Ming Chi University and Technology	彭伯舜Bo-Shun Peng
P04-14	Unveiling capacitive humidity characteristic of CdSe quantum dots film synthesized by facile route	明志科技大學Ming Chi University and Technology	Chaudhary Priyanka
P04-15	Enhancing the Performance of Ternary Organic Photovoltaics through Sequential Solution Deposition Using a Multifunctional Small-Molecule Donor	明志科技大學Ming Chi University and Technology	翁培瑞Pei-Jui Weng
P04-16	Approaching animated holograms in the aids of liquid crystal and complementary metasurfaces	明志科技大學Ming Chi University and Technology	黃環濤Jing-Hao Huang
P04-17	Improvement of the cell performance in the p-Si solar cells by the sputter deposition of a n-IGZO layer	國立高雄科技大學National Kaohsiung University of Science and Technology	劉鴻禧Hong-Shi Liu
P04-18	Simulation of substrate cracking in thin film/substrate systems	元智大學Yuan Ze University	余念 N. Yu
P04-19	Luminescent Sensor Utilizing Graphene Quantum Dots for Heavy Metal Ion Detection	IFTM University	Priyanka
P04-20	High-performance, low-cost thermal grease based on metal-based and carbon-based for electronic devices	明志科技大學Ming Chi University and Technology	吳柏諺PO-YEN, WU

P04-21	Control surface morphology via different solvent ratios for multi-cation perovskite solar cell	台灣科技大學National Taiwan University of Science and Technology	蕭佑鴻Yu-Hung Hsaio
P04-22	Scalable Air-Processable Defect Passivation for Perovskite Solar Cells	長庚大學Chang Gung University	黃詩翰Shih-Han Huang
P04-23	Investigating the Interaction Between Copper(I) Oxide Films and Perovskite Solar Cells	台灣科技大學National Taiwan University of Science and Technology	黃裕程Yu-Chen Huang
P04-24	Enhancing Crystallinity and Absorption in Organic Photodetector Films for Improved Short-Wave Infrared Performance	長庚大學Chang Gung University	黃志豪Zhi-Hao Huang
P04-25	Advancing Semi-Transparent Organic Solar Cells through Enhanced Blocking Layer and Transparent Electrode Optimization	明志科技大學Ming Chi University and Technology	鍾嗣永Ssu-Yung Chung
P04-26	Integrated Application of Photonic-Crystal Resonant Transmission and Ag Resonant-Cavity: Concise Narrow-Band Pass Filters	明志科技大學Ming Chi University and Technology	陳季宏CHEN CHI HONG
P05-01	Enhancing Surface Hardness of Tungsten Carbide Through Atmospheric Pressure Plasma Nitriding Process	台灣科技大學National Taiwan University of Science and Technology	徐維駿Wei-Jun,HSU
P05-02	Enhancing Surface Hardness of Metallic Substrates Through Atmospheric Pressure Plasma Nitriding Process	台灣科技大學National Taiwan University of Science and Technology	Mosisa Fikiru Tafase
P05-03	Investigating the Antimicrobial Efficacy of Atmospheric Argon Plasma and Plasma-Activated Water on Aggregatibacter actinomycetemcomitans	明志科技大學Ming Chi University and Technology	朱登平Teng-Ping Chu
P05-04	A New Green and Environmentally Friendly Process to Fabricate Excellent Corrosion Protection on AZ91D Magnesium Alloy	明志科技大學Ming Chi University and Technology	Yu-Cheng Liu
P05-05	The properties of adding CeO ₂ particles on Micro-arc oxidation coated AZ91D Magnesium alloys	明志科技大學Ming Chi University and Technology	Po-Wei Lien