

教師姓名	年份	期刊名稱	論文名稱
尹庚鳴	2014	Journal of the Taiwan Institute of Chemical Engineers	A Comparison of Numerical Methods on the Two-Phase Flow in PEMFCs
尹庚鳴	2014	Electrochimica Acta	Fast Synthesis of Binary Pt-Sn Nanocatalysts onto Graphene Sheets for Promoted Catalytic Activity
何政恩	2014	Surface & Coatings Technology	Electromigration in Thin-film Solder Joints
何政恩	2014	Surface & Coatings Technology	Electron Backscatter Diffraction Analysis on the Microstructures of Electrolytic Cu Deposition in the Through Hole Filling Process: Butterfly Deposition Mode
何政恩	2014	Thin Solid Films	Electron Backscatter Diffraction Characterization of Blind Hole Fillings by Electrolytic Cu Deposition
何政恩	2014	Journal of Electronic Materials	Experimental Determination and Thermodynamic Modeling of the Sn-Rich Corner of the Ternary Ni-Pd-Sn Phase Diagram at 250 degrees C
何政恩	2014	Surface & Coatings Technology	Pronounced Effects of Ni(P) Thickness on the Interfacial Reaction and High Impact Resistance of the Solder/Au/Pd(P)/Ni(P)/Cu Reactive System
何政恩	2014	Thin Solid Films	Theoretical and experimental determination of Cu diffusivity in eutectic Sn-Ag system at 235-280 degrees C
何政恩	2014	鑛冶(Mining & Metallurgy)	利用EBSD分析盲孔填充之各階段的電鍍銅微結構
何政恩	2014	Journal of Electronic Materials	EBSD investigation of Cu-Sn IMC microstructural evolution in Cu/Sn-Ag/Cu microbumps during isothermal annealing
何政恩	2014	Journal of Electronic Materials	Experimental study and thermodynamic assessment of ternary Cu-Pd-Sn phase relations focused on the Sn-rich alloys
何政恩	2014	Journal of Electronic Materials	Optimization of the Ni(P) Thickness for an Ultrathin Ni(P)-based Surface Finish in Soldering Applications
何政恩	2014	鑛冶(Mining & Metallurgy)	利用EBSD分析通孔填充之各階段的電鍍銅微結構：蝴蝶沉積模式
余子隆	2014	International Journal of Energy Research	Numerical analysis of the manipulated high performance catalyst layer design for proton exchange membrane fuel cells
余子隆	2014	Applied Energy	A discrete Fourier transform-based concentration and permeation sensing scheme for low temperature fuel cells applied energy
余子隆	2014	Journal of Materials Chemistry	A high performance polybenzimidazole-CNT hybrid electrode for high-temperature proton exchange membrane fuel cells
余子隆	2014	Journal of Power Sources	High temperature polybenzimidazole membrane electrode assemblies using pyridine-polybenzimidazole as catalyst layer binder
余子隆	2014	International Journal of Hydrogen Energy	Polybenzimidazole and benzyl-methyl-phosphoric acid grafted polybenzimidazole blend crosslinked membrane for proton exchange membrane fuel cell
吳和生	2014	International Journal of Polymer Science	Application of biodegradable polyhydroxyalkanoates as surgical films for ventral hernia repair in mice

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吳和生	2014	Energy	Modified Oxalic Acid Co-Precipitation Method for Preparing Cu/ZnO/Al <sub>2</sub> O <sub>3</sub> /Cr <sub>2</sub> O <sub>3</sub> /CeO <sub>2</sub> Catalysts for the Oxidative Reforming of Methanol to Produce Hydrogen Gas
吳和生	2014	Journal of Optoelectronics and Advanced Materials	Study for Visual Color Improvement for an Organic Light Emitting Diode Using a Dye-Circular-Polarizer
林秀麗	2014	Journal of Membrane Science	Nafion/ poly(vinyl alcohol) nano-fiber composite and Nafion/ poly(vinyl alcohol) blend membranes for direct methanol fuel cells
林秀麗	2014	Journal of Power Sources	Poly (vinylidene fluoride-co-hexafluoropropylene)/polybenzimidazole blend nanofiber supported Nafion membranes for direct methanol fuel cells
林裕川	2014	Catalysis Letters	Atmospheric Hydrodeoxygenation of Guaiacol over Nickel Phosphide Catalysts: Effect of Phosphorus Composition
林裕川	2014	RSC Advances	Ni-substituted LaMnO <sub>3</sub> perovskites for ethanol oxidation
林錕松	2014	IEEE Transactions on Magnetics	Spin-phonon Coupling in PrMn <sub>2</sub> O <sub>5</sub> Nanorods
林錕松	2014	Journal of Nanoscience and Nanotechnology	Structural Characterization and Adsorption Properties of Pluronic F127 onto Iron Oxides Magnetic Nanoparticles
林錕松	2014	Journal of Nanoscience and Nanotechnology	Synthesis, Characterization, and Hydrogen Storage Enhancement of M <sub>2</sub> (BDC) <sub>2</sub> dabco with Palladium-Doped Activated Carbon
林錕松	2014	Journal of Nanoscience and Nanotechnology	Synthesis, Fine Structural Characterization, and CO <sub>2</sub> Adsorption Capacity of Metal Organic Frameworks-74
姚少凌	2014	Biomaterials	Substrate-dependent modulation of 3D spheroid morphology self-assembled in mesenchymal stem cell-endothelial progenitor cell coculture
姚少凌	2014	Biotechnology Journal	A serum-free medium developed for expansion of murine intestinal stem cells in vitro
洪信國	2014	Rubber Chemistry and Technology	Reaction kinetics of hexamethylene dthiocyanate and polypropylene glycols
洪信國	2014	Journal of Applied Polymer Science	Characterization and use of ultraviolet-reactive low-molecular-weight polyhydroxybutyrate to prepare biodegradable acrylates
洪逸明	2014	International Journal of Hydrogen Energy	BaZr <sub>0.2</sub> Ce <sub>0.8-x</sub> Y <sub>x</sub> O <sub>3-δ</sub> solid oxide fuel cell electrolyte synthesized by so-gel combined with composition-exchange method
洪逸明	2014	Journal of Alloys and Compounds	Nanocrystalline Pd/carbon nanotube composites synthesized using supercritical fluid for superior glucose sensing performance
洪逸明	2014	Materials Chemistry and Physics	Effect of different concentration Li-doping on the morphology, defect and photovoltaic performance of Li-ZnO nanofibers in the ye-sensitized solar cells
洪逸明	2014	Journal of Materials Science	Effects of particle size and carbon coating on electrochemical properties of LiFePO <sub>4</sub> /C prepared by hydrothermal method
洪逸明	2014	Ceramics International	Phase transformation behavior of 3 mol% yttria partially-stabilized ZrO <sub>2</sub> (3Y-PSZ) precursor powder by an isothermal method

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洪逸明	2014	Ceramics International	Proton-conducting Ba <sub>1-x</sub> K <sub>x</sub> Ce <sub>0.6</sub> Zr <sub>0.2</sub> Y <sub>0.2</sub> O <sub>3-δ</sub> oxides synthesized by sol-gel combined with composition-exchange method
洪逸明	2014	Journal of Alloys and Compounds	Synthesis and characterization of Ba <sub>0.6</sub> Sr <sub>0.4</sub> Ce <sub>0.8-x</sub> Zr <sub>x</sub> Y <sub>0.2</sub> O <sub>3</sub> proton-conducting oxides for use as fuel cell electrolyte
孫一明	2014	Langmuir	Surface Zwitterionization of Titanium for a General Bio-Inert Control of Plasma Proteins, Blood Cells, Tissue Cells, and Bacteria
孫一明	2014	ACS Applied Materials & Interfaces	Zwitterionic-Based Stainless Steel with Well-Defined Polysulfobetaine Brushes for General Bioadhesive Control
孫安正	2014	IEEE Transactions on Magnetics	Fabrication of L1(1) Phase CoPt Film on Glass Substrate With [Co/Pt] Multilayer Structure
孫安正	2014	Thin Solid Films	Microstructures and magnetic properties of meta-stable Co <sub>50-x</sub> M <sub>x</sub> Pt <sub>50</sub> (M = Cu or Ru) thin films
孫安正	2014	IEEE Transactions on Magnetics	Stabilized Perpendicular Magnetic Anisotropy L1(1) CoPtCu Thin Film at Room Temperature
孫安正	2014	IEEE Transactions on Magnetics	Electrical and Magnetic Properties of Multiferroic (1-x) BiFeO <sub>3-x</sub> CoFe <sub>2</sub> O <sub>4</sub> Nanocomposite Thin Films Derived by Sol-gel Process
孫安正	2014	Journal of Applied Physics	Enhance the coercivity of the rhombohedral lattice L1(1) CoPt thin film on glass substrate
孫安正	2014	IEEE Transactions on Magnetics	Heat Treatment Methods on Magnetic Properties and Microstructure of FePd Alloy Thin Films
孫安正	2014	Journal of Alloys and Compounds	Improved Perpendicular Magnetic Anisotropy of Pr-Fe-B Films with Ta Underlayer
孫安正	2014	Journal of Applied Physics	Influence of stoichiometry and growth temperature on the crystal structure and magnetic properties of epitaxial L1(0) Fe-Pd (001) films
孫安正	2014	Nanotechnology	Intra-grain perpendicular percolated L11 CoPt thin films
孫安正	2014	Current Applied Physics	Magnetic field effects on the electric modulus properties of nematic mixture E7
孫安正	2014	Journal of Applied Physics	Perpendicular magnetic anisotropic Pr-Fe-B thin films on glass substrates
孫安正	2014	Vacuum	Preparation and characterization of In <sub>2</sub> O <sub>3</sub> films with (111) preferred orientation
孫安正	2014	Journal of Applied Physics	Sputtering perpendicular magnetic anisotropy CoPt thin film on glass substrate at room temperature
孫安正	2014	IEEE Transactions on Magnetics	Structure and Magnetic Properties of Ba <sub>1-x</sub> LaxFe <sub>12</sub> O <sub>19</sub> Prepared by Ba <sub>1-x</sub> LaxFe <sub>2</sub> O <sub>4</sub>
黃駿	2014	Thin Solid Films	Deposition of fluorocarbon film with 1,1,1,2-tetrafluoroethane pulsed plasma polymerization

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黃駿	2014	IEEE Transactions on Plasma Science	Glow Characterization of Octafluorocyclobutane RF Plasmas
黃駿	2014	Surface & Coatings Technology	Investigation of Atmospheric-pressure Plasma Deposited Hexafluorobenzene Fluorocarbon Film
黃駿	2014	Journal of the Taiwan Institute of Chemical Engineers	Low-pressure ethane/nitrogen gas mixture plasma surface modification effect on the wetting and electrochemical performance of polymeric separator for lithium-ion batteries.
黃駿	2014	IEEE Transactions on Plasma Science	Optical and Glow Diagnostics of 13.56-MHz RF Plasma-PVDF Membrane Surface Interactions
黃駿	2014	IEEE Transactions on Plasma Science	Surface Characterization of Argon/Methane Mixture Atmospheric-Pressure Plasma-Treated Filtration Poly(Vinylidene Fluoride) Membrane and Its Flux Enhancement
黃駿	2014	Journal of the Taiwan Institute of Chemical Engineers	Surface modification of PVDF ultrafiltration membranes by remote argon/methane gas mixture plasma for fouling reduction
黃駿	2014	IEEE Transactions on Plasma Science	Tailoring Surface Properties of Nonwoven Polypropylene by Cyclonic Atmospheric Pressure Plasma
楊博智	2014	Macromolecular Chemistry and Physics	Improvement in Power Conversion Efficiency and Performance of P3HT/PCBM Solar Cells Using Dithiafulvalene-Based pi-Conjugated Oligomers
楊博智	2014	Journal of Polymer Science. Part A - Polymer Chemistry	Preparation and Self-Assembly of Stimuli-Responsive Azobenzene-Containing Diblock Copolymers through Microwave-Assisted RAFT Polymerization
廖朝光	2014	Applied Physics Letters	Characterizing p-channel thin film transistors using ZnO/hydrated polyvinyl alcohol as the conducting channel
謝建德	2014	ACS Applied Materials & Interfaces	Design of Poly(Acrylonitrile)-Based Gel Electrolytes for High-Performance Lithium Ion Batteries
謝建德	2014	Journal of Materials Chemistry A	Electric Double Layer Capacitors of High Volumetric Energy Based on Ionic Liquids and Hierarchical-pore Carbon
謝建德	2014	Electrochimica Acta	Fast Synthesis of Binary Pt-Sn Nanocatalysts onto Graphene Sheets for Promoted Catalytic Activity
謝建德	2014	Chemical Communications	Graphene-supported Pt and PtPd Nanorods with Enhanced Electrocatalytic Performance for the Oxygen Reduction Reaction
謝建德	2014	Journal of Power Sources	Microwave Synthesis of Titania-coated Carbon Nanotube Composites for Electrochemical Capacitors
謝建德	2014	Journal of Power Sources	Synthesis of Lithium Nickel Cobalt Manganese Oxide Cathode Materials by Infrared Induction Heating
謝建德	2014	Journal of Physical Chemistry C	Electrochemical Capacitors Fabricated with Tin Oxide/Graphene Oxide Nanocomposites
謝建德	2014	Electrochimica Acta	Electrochemical Performance of Lithium Iron Phosphate Cathodes at Various Temperatures
謝建德	2014	Materials Chemistry and Physics	Graphene Sheets Anchored with ZnO Nanocrystals as Electrode Materials for Electrochemical Capacitors

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謝建德	2014	Journal of the Taiwan Institute of Chemical Engineers	Platinum Electrocatalysts Attached to Carbon Nanotubes by Atomic Layer Deposition with Different Cycle Numbers
謝建德	2014	Journal of the Taiwan Institute of Chemical Engineers	Preparation of Lithium Iron Phosphate Cathode Materials with Different Carbon Contents Using Glucose Additive for Li-ion Batteries
藍祺偉	2014	Bioresource Technology	Exploring redox-mediating characteristics of textile dye-bearing microbial fuel cells: Thionin and malachite green.
藍祺偉	2014	Journal of Bioscience and Bioengineering	Aerobic utilization of crude glycerol by recombinant Escherichia coli for simultaneous production of poly 3-hydroxybutyrate and bioethanol
藍祺偉	2014	Current Biochemical Engineering	Biodecolorization of Methyl Orange in Paint-PVA Biofilm System by Pseudomonas putida mt2
藍祺偉	2014	Journal of Biotechnology	Current trends in polyhydroxyalkanoates (PHAs) biosynthesis: Insights from the recombinant Escherichia coli
藍祺偉	2014	Journal of the Taiwan Institute of Chemical Engineers	Direct recovery of polyhydroxyalkanoates synthase from recombinant Escherichia coli feedstock by using aqueous two-phase systems
藍祺偉	2014	Journal of the Taiwan Institute of Chemical Engineers	Feasibility study on production of biodegradable polymer and wastewater treatment using Aeromonas strains for materials recycling
藍祺偉	2014	化工	廢甘油之生物精煉與應用