

教師姓名	年份	期刊名稱	論文名稱
尹庚鳴	2013	Fuel Cells	Mathematical Model of Proton Exchange Membrane Fuel Cell with Consideration of Water Management
尹庚鳴	2013	Journal of Physical Chemistry C	Pt-Sn Nanoparticles Decorated Carbon Nanotubes as Electrocatalysts with Enhanced Catalytic Activity
尹庚鳴	2013	Journal of Power Sources	Two-dimensional pseudo-phase-equilibrium approach on the cathode gas diffusion layer of proton exchange membrane fuel cell under varying degrees of humidification
何政恩	2013	Thin Solid Films	Electron backscatter diffraction analysis on the microstructures of electrolytic Cu deposition in the through hole filling process
何政恩	2013	Microelectronics Reliability	Interfacial reaction and mechanical reliability of PTH solder joints with different solder/surface finish combinations
何政恩	2013	Thin Solid Films	Sn-Ag-Cu Solder Reaction with Au/Pd/Ni(P) and Au/Pd(P)/Ni(P) Platings
何政恩	2013	Thin Solid Films	Field-Emission Transmission Electron Microscopy Study of the Reaction Sequence between Sn-Ag-Cu Alloy and an Amorphous Pd(P) Thin Film in Microelectronic Packaging
何政恩	2013	Thin Solid Films	Reliability Evaluation on a Submicron Ni(P) Thin Film for Lead-Free Soldering
何政恩	2013	鑛冶(Mining & Metallurgy)	利用EBSD分析通孔填充之各階段的電鍍銅微結構
余子隆	2013	International Journal of Hydrogen Energy	Influence of catalyst layer polybenzimidazole molecular weight on the polybenzimidazole-based proton exchange membrane fuel cell performance
余子隆	2013	International Journal of Hydrogen Energy	Hydrolysis of ammonia-borane catalyzed by an iron-nickel alloy on an SBA-15 support
余子隆	2013	Journal of Power Sources	Influence of the composition of isopropyl alcohol/water mixture solvents in catalyst ink solutions on proton exchange membrane fuel cell performance
余子隆	2013	Journal of Power Sources	Nafion-based membrane electrode assemblies prepared from catalyst inks containing alcohol/water solvent mixtures
吳和生	2013	Bulletin of Chemical Reaction Engineering & Catalysis	Hydrogen production of methanol reformation using Cu/ZnO/Al <sub>2</sub> O <sub>3</sub> catalyst at low temperature
吳和生	2013	Journal of Bioscience and Bioengineering	Partition separation and characterization of the polyhydroxyalkanoates synthase produced from recombinant Escherichia coli using an aqueous two-phase system
吳和生	2013	Journal of the Taiwan Institute of Chemical Engineers	Separation and purification of coenzyme Q10 from Rhodobacter sphaeroides
吳和生	2013	Journal of Applied Polymer Science	Thermal degradation of Poly(3-hydroxybutyrate), and Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) in Drying Treatment
吳和生	2013	Materials	Ethylene Formation by Catalytic Dehydration of Ethanol with Industrial Considerations
吳和生	2013	Bulletin of Chemical Reaction Engineering & Catalysis	Short Review: Mitigation of Current Environmental Concerns from Methanol Synthesis
吳和生	2013	Canadian Journal of Chemical Engineering	The Isolation of Poly(3-hydroxybutyrate) from Recombinant Escherichia coli XL1-blue Using the Digestion Method

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林秀麗	2013	International Journal of Hydrogen Energy	Influence of catalyst layer polybenzimidazole molecular weight on the polybenzimidazole-based proton exchange membrane fuel cell performance
林秀麗	2013	International Journal of Hydrogen Energy	Hydrolysis of ammonia-borane catalyzed by an iron-nickel alloy on an SBA-15 support
林秀麗	2013	Journal of Power Sources	Influence of the composition of isopropyl alcohol/water mixture solvents in catalyst ink solutions on proton exchange membrane fuel cell performance
林秀麗	2013	Journal of Power Sources	Nafion-based membrane electrode assemblies prepared from catalyst inks containing alcohol/water solvent mixtures
林裕川	2013	ACS Sustainable Chemistry and Engineering	Atmospheric Hydrodeoxygenation of Guaiacol over Alumina-, Zirconia-, and Silica-Supported Nickel Phosphide Catalysts
林裕川	2013	International Journal of Hydrogen Energy	Catalytic Valorization of Glycerol to Hydrogen and Syngas
林裕川	2013	Nanoscale	Graphene Oxide as a Promising Photocatalyst for CO <sub>2</sub> to Methanol Conversion
林裕川	2013	Industrial & Engineering Chemistry Research	Partial Oxidation of Ethanol to Acetaldehyde over LaMnO <sub>3</sub> -Based Perovskites: A Kinetic Study
林錕松	2013	Chemical Engineering Journal	A Stirring Packed-bed Reactor to Enhance the Esterification-transesterification in Biodiesel Production by Lowering Mass-transfer Resistance
林錕松	2013	Atmospheric Environment	An Overview of Regional Experiments on Biomass Burning Aerosols and Related Pollutants in Southeast Asia: From BASE-ASIA and the Dongsha Experiment to 7-SEAS
林錕松	2013	Propellants Explosives Pyrotechnics	Degradation of TNT, RDX, and HMX Explosive Wastewaters Using Zero-Valent Iron Nanoparticles
林錕松	2013	Microelectronics Reliability	Interfacial reaction and mechanical reliability of PTH solder joints with different solder/surface finish combinations
林錕松	2013	Journal of Nanoscience and Nanotechnology	Preparation, Characterization, and Hydrogen Storage Capacity of MIL-53 Metal-organic Frameworks
林錕松	2013	Journal of Nanoscience and Nanotechnology	Synthesis and Characterization of Nickel and Zinc Ferrite Nanocatalysts for Decomposition of CO <sub>2</sub> Greenhouse Effect Gas
林錕松	2013	Journal of Nanoscience and Nanotechnology	Synthesis and Characterization of Porous Zero-Valent Iron Nanoparticles for Remediation of Chromium-Contaminated Wastewater
林錕松	2013	化工技術	新穎綠色化工製程及清潔生產技術(下)
姚少凌	2013	Cytotherapy	A stromal-free, serum-free system to expand ex vivo hematopoietic stem cells from mobilized peripheral blood of patients with hematological malignancies and healthy donors
姚少凌	2013	Journal of Tissue Engineering and Regenerative Medicine	Effect of the chondroitin sulfate C on the in vitro and in vivo chondrogenesis of mesenchymal stem cells in crosslinked type II collagen scaffolds
姚少凌	2013	Biochemical Engineering Journal	Enhancing production of prodigiosin from <i>Serratia marcescens</i> C3 by statistical experimental design and porous carrier addition strategy
姚少凌	2013	Biochemical Engineering Journal	Inhibitory effect of ectoine on melanogenesis in B16-F0 and A2058 melanoma cell lines

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姚少凌	2013	Faseb Journal	Lysophosphatidic acid inhibits megakaryocyte differentiation in CD34(+) hematopoietic stem cells
姚少凌	2013	Immunobiology	Mesenchymal stem cells promote neutrophil activation by inducing IL-17 production in CD4(+) CD45RO(+) T cells
姚少凌	2013	PLOS ONE	Protein Arginine Methyltransferase 1 Interacts with and Activates p38 alpha to Facilitate Erythroid Differentiation
洪信國	2013	Journal of Thermal Analysis and Calorimetry	Thermal properties and applications of low molecular weight polyhydroxybutyrate
洪逸明	2013	ECS Solid State Letters	A SnO <sub>2</sub> and ZnO Nanocomposite Photoanodes in Dye-Sensitized Solar Cells
洪逸明	2013	Electrochimica Acta	Material Characteristics and Electrochemical Performance of Sn-doped ZnO Spherical-particle Photoanode for Dye-sensitized Solar Cells
洪逸明	2013	International Journal of Hydrogen Energy	Strontium Doping Effect on Phase Homogeneity and Conductivity of Ba <sub>1-x</sub> Sr <sub>x</sub> Ce <sub>0.6</sub> Zr <sub>0.2</sub> Y <sub>0.2</sub> O <sub>3-δ</sub> Proton-conducting Oxides
洪逸明	2013	Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science	Effects of Solute and Surfactant Addition on the Crystallization and Morphology of Hydroxyapatite Powders Synthesized by Hydrolysis of Calcium Hydrogen Phosphate Dehydrate (DCPD)
洪逸明	2013	Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science	Process Parameters on the Crystallization and Morphology of Hydroxyapatite Powders Prepared by a Hydrolysis Method
紀渥德	2013	Journal of Chemical Thermodynamics	On the binary (Cu+Si) system: Thermodynamic modelling of the phase diagram and atomic mobility in face centred cubic phase
紀渥德	2013	International Journal of Mining, Metallurgy & Mechanical Engineering (IJMME)	Phase equilibria of the ternary Ag – Cu – In system at 300°C
紀渥德	2013	Journal of Phase Equilibria and Diffusion	Thermodynamic Re-optimization of the Binary Pb-Sb System
孫一明	2013	Surface & Coatings Technology	Micro-patterned atmospheric pressure plasma-deposited cell non-adhesive coatings
孫安正	2013	Microelectronic Engineering	Effect of annealing temperature on microstructure and magnetism of FePt/TaOx bilayer
孫安正	2013	Materials Technology	Effects of magnetic solidification on rod shaped Nd-Fe-Ti-Zr-Cr-B-C magnetics with various diameters
孫安正	2013	Microelectronic Engineering	Enhanced structural and magnetic ordering of FePt/TiOx bilayers by ion-beam deposition and annealing
孫安正	2013	Journal of Magnetism and Magnetic Materials	Formation of rhombohedral L11 CoPt thin film on glass and MgO(111) substrate
孫安正	2013	Surface & Coatings Technology	Improvement of magnetic properties of CoCuPt L11 thin film by Pt(111) underlayer on glass substrate
孫安正	2013	Thin Solid Films	Lateral grain size effect on exchange bias in polycrystalline NiFe-FeMn bilayer films
孫安正	2013	Surface & Coatings Technology	Oxygen-stoichiometry-dependent microstructural and magnetic properties of CoPt thin films capped with ion-beam-assisted deposited TiOx layers

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孫安正	2013	i-manager' s Journal on Electronics Engineering	RFID Reader Range Extension using Magnetodielectric Material-An Extended Version
孫安正	2013	IEEE Transactions on Magnetics	Effect of Oxygen Stoichiometry onMicrostructural andMagnetic Properties of FePt/TaO Bilayer Fabricated by Ion-Beam-Bombardment Deposition
孫安正	2013	Advanced Science Letters	Effect of Thickness on Magnetic Properties and Microstructure of CoPt L11 Metastable Films
孫安正	2013	IEEE Transactions on Magnetics	Enhanced Coercivity in L11 CoPt Thin Film on Glass Substrate by Fine-Tuning Pt Underlayer
孫安正	2013	Journal of Applied Physics	Microstructure study of CoPt thin film with phase change from A1-L11-A1-L10
孫安正	2013	Thin Solid Films	Microstructures and magnetic properties of L11 CoPt thin films with additions of SiO2 and MgO
莊瑞鑫	2013	Chemical Engineering Journal	A novel approach to characterizing liquid-phase adsorption on highly porous activated carbons using the Toth equation
莊瑞鑫	2013	Plasma Processes and Polymers	Tailoring surface properties of polymeric separators for lithium-ion batteries by cyclonic atmospheric-pressure plasma
莊瑞鑫	2013	Chemical Engineering Journal	Treatment of waters and wastewaters containing sulfur dyes: A review
黃駿	2013	Plasma Processes and Polymers	Electrospun Microfibrous Membranes with Atmospheric-Pressure Plasma Surface Modification for the Application in Dye-Sensitized Solar Cells
黃駿	2013	Surface & Coatings Technology	Fabrication of Oleophobic Fluorocarbon Film by 13.56 MHz CH2F2/Ar Plasma Chemical Vapor Deposition
黃駿	2013	Surface & Coatings Technology	Micro-patterned atmospheric pressure plasma-deposited cell non-adhesive coatings
黃駿	2013	Surface & Coatings Technology	Surface Modification on Polytetrafluoroethylene Membrane by Radio Frequency Methane/Nitrogen Mixture Plasma Polymerization
黃駿	2013	Japanese Journal of Applied Physics	Tailoring Surface Properties of Polymeric Separators for Lithium-Ion Batteries by 13.56 MHz Radio-Frequency Plasma Glow Discharge
黃駿	2013	Japanese Journal of Applied Physics	Large-Area Organosilicon Film Deposition Using Cyclonic Atmospheric Pressure Glow Discharge
黃駿	2013	Japanese Journal of Applied Physics	Surface Treatment and Characterization of Indium-Tin-Oxide Thin Films Modified Using Cyclonic Atmospheric-Pressure Plasma
黃駿	2013	Plasma Processes and Polymers	Tailoring surface properties of polymeric separators for lithium-ion batteries by cyclonic atmospheric-pressure plasma
黃駿	2013	Thin Solid Films	The growth of organosilicon film using a hexamethyldisilazane/oxygen atmospheric pressure plasma jet
楊博智	2013	The Canadian Journal of Chemical Engineering	Photoswitchable Azobenzene- and Stilbene-based Chromophores Bearing Terminal Nitro Groups: Synthesis, Thermal and Photochemical properties
楊博智	2013	European Polymer Journal	Synthesis, characterization, and ion responsive properties of hyperbranched oligofluorene using carbazole as a branching core

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楊博智	2013	Polymer	Triphenylamine-based linear conjugated polyfluorenes with various pendant groups: Synthesis, characterization, and ion responsive properties
廖朝光	2013	Journal of Physical Chemistry C	Fabrication Pathways of p-n Cu <sub>2</sub> O Homojunction Films by Electrochemical Deposition Processing
廖朝光	2013	Colloids and Surfaces A: Physicochem. Eng. Aspects	Effects of voltage operating strategy on electrophoretic self-assembly deposition of spherical SiO <sub>2</sub> particles in water
謝建德	2013	Electrochimica Acta	Chemical-wet Synthesis and Electrochemistry of LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> Cathode Materials for Li-ion Batteries
謝建德	2013	ACS Applied Materials & Interfaces	Electron Transport Dynamics in TiO <sub>2</sub> Films Deposited on Ti Foils for Back-Illuminated Dye-Sensitized Solar Cells
謝建德	2013	International Journal of Hydrogen Energy	Microwave Deposition of Pt Catalysts on Carbon Nanotubes with Different Oxidation Levels for Formic Acid Oxidation
謝建德	2013	Journal of Physical Chemistry C	Pt-Sn Nanoparticles Decorated Carbon Nanotubes as Electrocatalysts with Enhanced Catalytic Activity
謝建德	2013	Carbon	Silver Nanorods Attached to Graphene Sheets as Anode Materials for Lithium-ion Batteries
謝建德	2013	Electrochimica Acta	Synthesis of ZnO@Graphene Composites as Anode Materials for Lithium Ion Batteries
謝建德	2013	Thin Solid Films	Liquid Repellency from Graphite Sheets with Different Oxidation Levels
謝建德	2013	Electrochimica Acta	Pulse Microwave Synthesis of Palladium Catalysts on Graphene Electrodes for Proton Exchange Membrane Fuel Cells
謝建德	2013	Electrochimica Acta	Pulse Microwave-assisted Synthesis of Pt Nanoparticles onto Carbon Nanotubes as Electrocatalysts for Proton Exchange Membrane Fuel Cells
藍祺偉	2013	Biochemical Engineering Journal	Biosynthesis of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) with co-expressed propionate permease (prpP), beta-ketothiolase B (bktB), and propionate-CoA synthase (prpE) in Escherichia coli
藍祺偉	2013	Scientific World Journal	Functional ginger extracts from supercritical fluid carbon dioxide extraction via in vitro and in vivo assays: Antioxidation, antimicroorganism, and mice xenografts models
藍祺偉	2013	Journal of the Taiwan Institute of Chemical Engineers	Kinetic characteristics of biodegradation of methyl orange by Pseudomonas putida mt2 in suspended and immobilized cell systems
藍祺偉	2013	Journal of Bioscience and Bioengineering	Partition separation and characterization of the polyhydroxyalkanoates synthase produced from recombinant Escherichia coli using an aqueous two-phase system
藍祺偉	2013	Biochemical Engineering Journal	The impact of monochromatic blue and red LED light upon performance of photo microbial fuel cells (PMFCs) using Chlamydomonas reinhardtii transformation F5 as biocatalyst
藍祺偉	2013	Applied Microbiology and Biotechnology	In vitro evidence of chain transfer to tetraethylene glycols in enzymatic polymerization of polyhydroxyalkanoate