

教師姓名	年份	期刊名稱	論文名稱
尹庚鳴	2012	Electrochimica Acta	performance equations of proton exchange membrane fuel cells with feeds of varying degrees of humidification
何政恩	2012	Journal of Electronic Materials	Development and Evaluation of Direct Deposition of Au/Pd(P) Bilayers over Cu Pads in Soldering Applications
何政恩	2012	Journal of Electronic Materials	Gold- and Palladium-Induced Embrittlement Phenomenon in Microbumps with Au/Pd(P)/Ni(P) Metallization Pads
何政恩	2012	Electronic Materials Letters	Inhibiting the Growth of Cu ₃ Sn and Kirkendall Voids in the Cu/Sn-Ag-Cu System by Minor Pd Alloying
何政恩	2012	Journal of Electronic Materials	Influence of Pd Concentration on the Interfacial Reaction and Mechanical Reliability of the Ni/Sn-Ag-Cu-xPd System
何政恩	2012	Procedia Engineering	Solder Volume Effect on the Microstructure of Solder Joints Using Au/Pd(P)/Ni(P) Surface Finish
何政恩	2012	Journal of Electronic Materials	Solid-Solid Reaction between Sn-3Ag-0.5Cu Alloy and Au/Pd(P)/Ni(P) Metallization Pad with Various Pd(P) Thicknesses
余子隆	2012	International Journal of Hydrogen Energy	Hydrogen release from ammonia borane embedded in mesoporous silica scaffolds: SBA-15 and MCM-41.
余子隆	2012	International Journal of Hydrogen Energy	Experimental and Numerical Investigations of the Effects of PBI Loading and Operating Temperature on a High-Temperature PEMFC
余子隆	2012	Journal of Power Sources	Poly(benzimidazole)/silica-ethyl-phosphoric acid hybrid membranes for proton exchange membrane fuel cells
余子隆	2012	International Journal of Hydrogen Energy	Poly(benzimidazole)-epoxide crosslink membranes for high temperature proton exchange membrane fuel cells,
余子隆	2012	Journal of Membrane Science	Polybenzimidazole and butylsulfonate grafted polybenzimidazole blends for proton exchange membrane fuel cells.
余子隆	2012	Journal of Polymer Research	Polybenzimidazole/poly(tetrafluoro ethylene) composite membranes for high temperature proton exchange membrane fuel cells
余子隆	2012	The Open Fuels & Energy Science Journal	Structures of membrane electrode assembly catalyst layers for proton exchange membrane fuel cell
吳和生	2012	Canadian Journal of Chemical Engineering	Improving the Image of an Organic Light Emitting Diode Using a Dye-Polarizer
吳和生	2012	Industrial & Engineering Chemistry Research	Salting-Out Effect on Recovery of 1,3-Propanediol from Fermentation Broth
吳和生	2012	Journal of the Taiwan Institute of Chemical Engineers	Application of biodiesel as carrier for insecticide emulsifiable concentrate formulation
吳和生	2012	International Food Research Journal	Aspects of glucosamine production using microorganisms
吳和生	2012	Energies	Dynamic Modeling of Anode Function in Enzyme-Based Biofuel Cells Using High Mediator Concentration
吳和生	2012	Energy Procedia	Modified Carbon Nanoball on Electrode Surface Using Plasma in Enzyme-Based Biofuel Cells

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吳和生	2012	International Journal of Chemical Engineering	Reactivity of Phenol Alkylation Using Phase-Transfer Catalysis in Ion-Exchange Membrane Reactor
吳和生	2012	Bulletin of Chemical Reaction Engineering & Catalysis	Short Review: Cu Catalyst for Autothermal Reforming Methanol for Hydrogen Production
吳和生	2012	Industrial & Engineering Chemistry Research	Study on the Performance of Lambda Cyhalothrin Microemulsion with Biodiesel as an Alternative Solvent
吳和生	2012	AIChE Journal	The Study of Visual Image Improvement of an Organic Light Emitting Diode by Dye-Polarizer Composed of Optical Film
林秀麗	2012	International Journal of Hydrogen Energy	Hydrogen release from ammonia borane embedded in mesoporous silica scaffolds: SBA-15 and MCM-41.
林秀麗	2012	Journal of Power Sources	Poly(benzimidazole)/silica-ethyl-phosphoric acid hybrid membranes for proton exchange membrane fuel cells
林秀麗	2012	International Journal of Hydrogen Energy	Poly(benzimidazole)-epoxide crosslink membranes for high temperature proton exchange membrane fuel cells,
林秀麗	2012	Journal of Membrane Science	Polybenzimidazole and butylsulfonate grafted polybenzimidazole blends for proton exchange membrane fuel cells.
林秀麗	2012	Journal of Polymer Research	Polybenzimidazole/poly(tetrafluoro ethylene) composite membranes for high temperature proton exchange membrane fuel cells
林秀麗	2012	The Open Fuels & Energy Science Journal	Structures of membrane electrode assembly catalyst layers for proton exchange membrane fuel cell
林裕川	2012	Industrial & Engineering Chemistry Research	Autothermal Partial Oxidation of Glycerol to Syngas over Pt-, LaMnO ₃ -, and Pt/LaMnO ₃ -Coated Monoliths
林裕川	2012	Industrial & Engineering Chemistry Research	Kinetics of n-Butanol Partial Oxidation to Butyraldehyde over Lanthanum-Transition Metal Perovskites
林裕川	2012	Applied Catalysis A - General	Catalytic fast pyrolysis of furfural over H-ZSM-5 and Zn/H-ZSM-5 catalysts
林裕川	2012	Industrial & Engineering Chemistry Research	Exhaustive identification of feasible pathways of the reaction catalyzed by a catalyst with multi-active sites via a highly effective graph-theoretic algorithm: Application to ethylene hydrogenation.
林錕松	2012	Journal of Nanomaterials	Characterization and Hydrogen Storage of Surface-Modified Multiwalled Carbon Nanotubes for Fuel Cell Application
林錕松	2012	Journal of Nanomaterials	Synthesis and Characterization of Metal Hydride/Carbon Aerogel Composites for Hydrogen Storage
林錕松	2012	International Journal of Hydrogen Energy	Synthesis and characterization of porous HKUST-1 metal organic frameworks for hydrogen storage
林錕松	2012	Adsorption - Journal of the International Adsorption Society	Synthesis, characterization, and hydrogen storage study by hydrogen spillover of MIL-101 metal organic frameworks
林錕松	2012	Current Medicinal Chemistry	Synthesis, Characterization, and Potential Applications of Multifunctional PEO-PPO-PEO-Magnetic Drug Delivery System
林錕松	2012	化工技術	新穎綠色化工製程及清潔生產技術(上)

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林錕松	2012	Inter. J. Hydrogen Eng.	Carbon Nanotube Buckypaper/MmNi5 Composite Film as Anode for Ni/MH Batteries
林錕松	2012	Mater. Chem. Phys.	Characterization and Surface Reactivity Analyses of Ceria Nanorod Catalyst for Methanol Interaction
林錕松	2012	Chinese Journal of Physics	Fine Structural Characterization of Zinc and Iron Atoms in Zinc Ferrite Nanocatalysts for CO ₂ Decomposition Using XANES-EXAFS
林錕松	2012	Chinese Journal of Physics	Structural Characterization of Chromium atoms in MIL-101 Metal Organic Frameworks Using XANES-EXAFS Spectroscopy
洪信國	2012	Fire and Materials	Fire performance and mechanical properties of acrylonitrile-butadiene-styrene copolymer/modified expandable graphite composites
洪逸明	2012	Journal of the Chinese Chemical Society	Effect of Morphology of La _{0.8} Sr _{0.2} Co _{0.2} Fe _{0.8} O _{3-δ} Cathode on the Electrochemical Performance of Solid Oxide Fuel Cell
洪逸明	2012	International Journal of Molecular Sciences	The Properties of Sintered Calcium Phosphate with [Ca]/[P] = 1.50
洪逸明	2012	Journal of Nanomaterials	Understanding the Biocompatibility of Sintered Calcium Phosphate with Ratio of [Ca]/[P] = 1.50
洪逸明	2012	Journal of Power Sources	Effect of La _{0.1} Sr _{0.9} Co _{0.5} Mn _{0.5} O ₃₋₁ protective coating layer on the performance of La _{0.6} Sr _{0.4} Co _{0.8} Fe _{0.2} O ₃₋₁ solid oxide fuel cell cathode
洪逸明	2012	Journal of Alloys and Compounds	Synthesis and properties of Co-doped LiFePO ₄ as cathode material via a hydrothermal route for lithium-ion batteries
紀渥德	2012	Journal of Electronic Materials	Atomic Mobilities in the Ag-Cu-Sn Face-Centered Cubic Lattice
紀渥德	2012	Journal of Electronic Materials	Development and Evaluation of Direct Deposition of Au/Pd(P) Bilayers over Cu Pads in Soldering Applications
紀渥德	2012	International Journal of Materials Research	Thermodynamic properties of liquid copper-antimony-tin alloys determined from e.m.f. measurements
紀渥德	2012	Materials Chemistry and Physics	Phase equilibria of Sn-Sb-Cu system
紀渥德	2012	International Journal of Materials Research	The reoptimization of the binary Se-Te system
紀渥德	2012	Journal of Electronic Materials	Thermodynamic Description of the Quaternary Ag-Cu-In-Sn System
孫一明	2012	Journal of Biomaterials Science: Polymer Edition	Response of Human Mesenchymal Stem Cells (hMSCs) to the Topographic Variation of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHHx) Films
孫安正	2012	Applied Physics Letters	Low-temperature ordering of FePt thin films induced by glow-discharge ion bombardment
孫安正	2012	Journal on Electronics Engineering	RFID Reader Range Extension using Magnetodielectric Material – An Extended Version
孫安正	2012	Journal of Applied Physics	Fabrication of L1(1) Co-Pt-Cu perpendicular anisotropic films with enhanced coercivity on glass substrate

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孫安正	2012	Chemical Engineering Journal	Foam fractionation of crystal growth for nanotechnology
孫安正	2012	Surface & Coatings Technology	Improvement of magnetic properties of CoCuPt L11 thin film by Pt(111) underlayer on glass substrate
孫安正	2012	Journal of Applied Physics	Magnetic properties and crystal structure of melt-spun Sm(Co, M) ₇ (M= Al and Si) ribbons
孫安正	2012	Surface & Coatings Technology	Oxygen-stoichiometry-dependent microstructural and magnetic properties of CoPt thin films capped with ion-beam-assisted deposited TiO _x layers
莊瑞鑫	2012	Separation and Purification Technology	A simplified dynamic model for the removal of toxic organics in a two-phase partitioning bioreactor
莊瑞鑫	2012	Biochemical Engineering Journal	Recovery and separation of surfactin from pretreated Bacillus subtilis broth by reverse micellar extraction
莊瑞鑫	2012	Separation Science and Technology	Ultrafiltration of coagulation-pretreated Serratia marcescens fermentation broth: Flux characteristics and prodigiosin recovery
莊瑞鑫	2012	Separation and Purification Technology	A simplified dynamic model for the removal of toxic organics in a two-phase partitioning bioreactor
莊瑞鑫	2012	Journal of Alloys and Compounds	Improvement of Rate Capability of Spinel Lithium Titanate Anodes Using Microwave-assisted Zinc Nanocoating
莊瑞鑫	2012	Biochemical Engineering Journal	Recovery and separation of surfactin from pretreated Bacillus subtilis broth by reverse micellar extraction
莊瑞鑫	2012	Journal of Applied Polymer Science	Surface Modification and Characterization of an H ₂ /O ₂ Plasma Treated Polypropylene Membrane.
黃振球	2012	Journal of Polymer Research	Polythiophene derivatives functionalized with maleimide moiety as pendant for bulk heterojunction photovoltaic cells
黃駿	2012	Journal of Applied Polymer Science	Surface Modification and Characterization of an H ₂ /O ₂ Plasma Treated Polypropylene Membrane.
楊博智	2012	Journal of Molecular Structure	Synthesis and characterization of photoactive azobenzene-based chromophores containing a bulky cholesteryl moiety
楊博智	2012	Journal of the Taiwan Institute of Chemical Engineers	Synthesis and mesomorphic properties of photoresponsive azobenzene-containing chromophores with various terminal groups
楊博智	2012	Journal of Applied Polymer Science	Synthesis, characterization, and photochemical properties of chromophores containing photoresponsive azobenzene and stilbene
廖建勛	2012	Carbon	Electrochemically synthesized graphene/polypyrrole composites and their use in supercapacitor
廖朝光	2012	Semiconductor Science and Technology	Design and fabrication of ZnO/TiO ₂ -based thin-film inverter circuits using solution processing techniques
謝建德	2012	Journal of Physical Chemistry C	Atomic Layer Deposition of Platinum Nanocatalysts onto Three-Dimensional Carbon Nanotube/Graphene Hybrid
謝建德	2012	International Journal of Hydrogen Energy	Atomic Layer Deposition of Pt Nanocatalysts on Graphene Oxide Nanosheets for Electro-oxidation of Formic Acid

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謝建德	2012	Diamond and Related Materials	Dye-Sensitized Solar Cells Equipped with Graphene-Based Counter Electrodes with Different Oxidation Levels
謝建德	2012	Electrochimica Acta	Fabrication of Platinum Electrocatalysts on Carbon Nanotubes Using Atomic Layer Deposition for Proton Exchange Membrane Fuel Cells
謝建德	2012	Advanced Functional Materials	Gel Electrolyte Derived from Poly(ethylene glycol) Blending Poly(acrylonitrile) Applicable to Roll-to-Roll Assembly of Electric Double Layer Capacitors
謝建德	2012	Surface & Coatings Technology	Microwave-assisted Deposition, Scalable Coating, and Wetting Behavior of Silver Nanowire Layers
謝建德	2012	Electrochimica Acta	Synthesis of Iron Phosphate Powders by Chemical Precipitation Route for High-Power Lithium Iron Phosphate Cathodes
謝建德	2012	Journal of Power Sources	Deposition and activity stability of Pt-Co catalysts on carbon nanotube-based electrodes prepared by microwave-assisted synthesis
謝建德	2012	Surface & Coatings Technology	Deposition and super liquid repellency of fluorinated ZnO nanoparticles on carbon fabrics
謝建德	2012	International Journal of Photoenergy	Dye-Sensitized Solar Cells Using Mesocarbon Microbead-Based Counter Electrodes
謝建德	2012	Journal of Materials Chemistry	Electric double layer capacitors based on a composite electrode of activated mesophase pitch and carbon nanotubes
謝建德	2012	International Journal of Hydrogen Energy	Electrochemical activity and durability of Pt-Sn alloys on carbon-based electrodes prepared by microwave-assisted synthesis (vol 36, pg 15766, 2011)
謝建德	2012	Electrochimica Acta	Fabrication of flower-like platinum clusters onto graphene sheets by pulse electrochemical deposition
謝建德	2012	Japanese Journal of Applied Physics	Fabrication of Graphene-Based Electrochemical Capacitors
謝建德	2012	Journal of Alloys and Compounds	Improvement of Rate Capability of Spinel Lithium Titanate Anodes Using Microwave-assisted Zinc Nanocoating
謝建德	2012	Solid State Ionics	Influence of growth parameters on texture of ZnO nanorods by using electrochemical deposition at low temperatures
謝建德	2012	Advanced Materials Research	Microwave Synthesis of Nanosilver Colloidal Suspension for Anti-bacterial Coating.
謝建德	2012	Journal of Physical Chemistry C	Pulse Microwave Deposition of Cobalt Oxide Nanoparticles on Graphene Nanosheets as Anode Materials for Lithium Ion Batteries
謝建德	2012	Advanced Materials Research	Removal of Various Contaminations from Drainage by Using Free Water Surface and Submerged Surface Flow Wetland Systems
謝建德	2012	International Journal of Photoenergy	Visible-Light Photodegradation of Dye on Co-Doped Titania Nanotubes Prepared by Hydrothermal Synthesis
藍祺偉	2012	African Journal of Biotechnology	Development of an indirect method of microalgal lipid quantification using a lysochrome dye, Nile red
藍祺偉	2012	Applied Energy	Performance and kinetic study of photo microbial fuel cells (PMFCs) with different electrode distances

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藍祺偉	2012	Journal of the Taiwan Institute of Chemical Engineers	Application of biodiesel as carrier for insecticide emulsifiable concentrate formulation
藍祺偉	2012	Industrial & Engineering Chemistry Research	Study on the Performance of Lambda Cyhalothrin Microemulsion with Biodiesel as an Alternative Solvent