

教師姓名	年份	期刊名稱	論文名稱
尹庚鳴	2015	Journal of Power Sources	One-dimensional steady state algebraic model on the passive direct methanol fuel cell with consideration of the intermediate liquid electrolyte
何政恩	2015	Thin Solid Films	Abnormal Depletion of Cu Metallization Pads in Line-bump-line Solder Joints under Electron Current Stressing
何政恩	2015	Thin Solid Films	Formation Mechanism of Pinholes in Electroplated Cu Films and Its Mitigation
何政恩	2015	Electronic Materials Letters	Depletion and Phase Transformation of a Submicron Ni(P) Film in the Early Stage of Soldering Reaction between Sn-Ag-Cu and Au/Pd(P)/Ni(P)/Cu
何政恩	2015	Thin Solid Films	Effect of Pd(P) Thickness on the Soldering Reaction between Sn-3Ag-0.5Cu Alloy and Ultrathin-Ni(P)-type Au/Pd(P)/Ni(P)/Cu Metallization Pad
何政恩	2015	Thin Solid Films	Electron Backscatter Diffraction Characterization of Electrolytic Cu Deposition in the Blind-hole Structure: Current Density Effect
何政恩	2015	Journal of Electronic Materials	Interfacial Reaction and Mechanical Characterization of Sn-Ag-Cu/Au/Pd(P)/Cu Solder Joints: Thick Pd(P) Deposition
余子隆	2015	Fuel Cells	Influence of pyridine-polybenzimidazole film thickness of carbon nano-tube supported platinum on fuel cell applications
余子隆	2015	Journal of Membrane Science	Properties and fuel cell applications of polybenzimidazole and ethyl phosphoric acid grafted polybenzimidazole blend membranes
吳和生	2015	Journal of Environmental Chemical Engineering	Pyrolysis of waste oil in the presence of a spent catalyst
吳和生	2015	Bulletin of Chemical Reaction Engineering & Catalysis	Thermal Behavior and Hydrogen Production of Methanol Autothermal Reforming Performed Using Oxygen Enrichment and Cu/ZnO/Al ₂ O ₃ /Cr ₂ O ₃ /CeO ₂ Catalyst
林秀麗	2015	International Journal of Hydrogen Energy	Effect of polyvinylidene difluoride in the catalyst layer on high-temperature PEMFCs
林秀麗	2015	Fuel Cells	Influence of pyridine-polybenzimidazole film thickness of carbon nano-tube supported platinum on fuel cell applications
林秀麗	2015	Journal of Membrane Science	Properties and fuel cell applications of polybenzimidazole and ethyl phosphoric acid grafted polybenzimidazole blend membranes
林錕松	2015	Journal of Soil and Groundwater Remediation	Development of Reductive Degradation for TNT/RDX/HMX High-energy Explosive Contaminated Groundwater, and an Evaluation of the Related Remediation Technology
林錕松	2015	Research on Chemical Intermediates	Improved Hydrogen Storage Capacity by Hydrogen Spillover and Fine Structural Characterization of MIL-100 Metal Organic Frameworks
林錕松	2015	PLOS ONE	The Antimicrobial Properties of Silver Nanoparticles in Bacillus subtilis Are Mediated by Released Ag ⁺ Ions.
林錕松	2015	Materials Chemistry and Physics	Characterization of facial and meridional Alq(3) thin films fabricated from physical vapor transport at high substrate temperatures
林錕松	2015	Chemosuschem	Functionalized Fe ₃ O ₄ @ Silica Core-Shell Nanoparticles as Microalgae Harvester and Catalyst for Biodiesel Production
林錕松	2015	Journal of Applied Physics	Spin-phonon Study of EuMn ₂ O ₅ Nanorods
林錕松	2015	PLOS ONE	ZnO Nanoparticles Affect Bacillus subtilis Cell Growth and Biofilm Formation

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姚少凌	2015	Cytotechnology	Intestinal stem cells and stem cell-based therapy for intestinal diseases
姚少凌	2015	Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids	Opposing regulation of megakaryopoiesis by LPA receptors 2 and 3 in K562 human erythroleukemia cells
姚少凌	2015	International Journal of Polymeric Materials	PEGylated Poly(3-hydroxybutyrate) Scaffold for Hydration-Driven Cell Infiltration, Neo-Tissue Ingrowth, and Osteogenic Potential
洪信國	2015	Journal of Polymer Research	Crystallization properties of polyhydroxybutyrate with modified silicas
洪信國	2015	Journal of Thermal Analysis and Calorimetry	Effect of modified silica on the crystallization and degradation of poly(3-hydroxybutyrate)
洪逸明	2015	Sensors and Actuators A	Flexible micro sensor for in-situ monitoring temperature and voltage of coin cells
洪逸明	2015	Ceramics International	Influences of the surfactant on the performance of nano-LiMn2O4 cathode material for lithium-ion battery
洪逸明	2015	Ceramics International	Synthesis and Electrochemical Performances of Layered NaLi0.2Ni0.2Mn0.6O2 Cathode for Sodium-ion Batteries
洪逸明	2015	Sensors	A flexible three-in-one microsensor for real-time monitoring of internal temperature, voltage and current of lithium batteries
洪逸明	2015	Ceramics International	Characterization of calcium phosphate apatite with variable Ca/P ratios sintered at low temperature
洪逸明	2015	Ceramics International	Crystalline size, microstructure and biocompatibility of hydroxyapatite nanopowders by hydrolysis of calcium hydrogen phosphate dehydrate (DCPD)
洪逸明	2015	Journal of the Ceramic Society of Japan	Evolution of the sintering ability, microstructure, and cell performance of Ba0.8Sr0.2Ce0.8-x-yZryInxY0.2O3-delta (x=0.05, 0.1 y=0, 0.1) proton-conducting electrolytes for solid oxide fuel cell
洪逸明	2015	Journal of the Ceramic Society of Japan	Material characterization and electrochemical performance of Sr(Ce0.6Zr0.4)(0.8)Y0.2O3-delta proton conducting ceramics prepared by EDTA-citrate complexing and solid-state reaction methods
洪逸明	2015	Ceramics International	Synthesis and electrochemical properties of LiFe0.95VxNi0.05-xPO4/C cathode material for lithium-ion battery
洪逸明	2015	Electrochimica Acta	Synthesis and Electrochemical Properties of Sodium Manganese-based Oxide Cathode Material for Sodium-ion Batteries
洪逸明	2015	Journal of the European Ceramic Society	The proton conduction and hydrogen permeation characteristic of Sr(Ce0.6Zr0.4)(0.85)Y0.15O3-delta ceramic separation membrane
孫一明	2015	Journal of Materials Chemistry B	Synthesis and characterization of waterborne polyurethane containing poly(3-hydroxybutyrate) as new biodegradable elastomers
孫一明	2015	Carbon	Composite of cyclic olefin copolymer with low graphene content for transparent water-vapor- barrier films
孫一明	2015	International Journal of Polymeric Materials	PEGylated Poly(3-hydroxybutyrate) Scaffold for Hydration-Driven Cell Infiltration, Neo-Tissue Ingrowth, and Osteogenic Potential
孫一明	2015	化工	大學化工系所教學的探討
孫一明	2015	化工	台灣化學工程學會61週年年會「化工教育研討會」-培養台灣需要之優質人才

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孫安正	2015	IEEE Transactions on Magnetics	Anisotropy-Graded L1(0) FePt(001) Magnetic Films Obtained by Graded Working Pressures
孫安正	2015	IEEE Transactions on Magnetics	Effects of Thickness Ratio of Co to Pt Layer on Magnetic Properties and Microstructure of [CoPt] _n Multilayer Films
孫安正	2015	IEEE Transactions on Magnetics	Enhance Perpendicular Magnetic Anisotropy of Co-rich Type Co-Pt Film by Inserting a Pt Underlayer
孫安正	2015	Journal of Magnetism and Magnetic Materials	Enhanced coercivity of HCP Co-Pt alloy thin films on a glass substrate at room temperature for patterned media
張幼珍	2015	化工	台灣化學工程學會61週年大會「化工教育研討會」-培養台灣需要之優質人才
黃駿	2015	Plasma Chemistry and Plasma Processing	Atmospheric Pressure Plasma Polymerization of Super-Hydrophobic Nano-Films using Hexamethyldisilazane Monomer
黃駿	2015	Journal of the Taiwan Institute of Chemical Engineers	Cyclonic plasma activation on microporous poly(vinylidene fluoride) membranes for improving surface hydrophilicity
黃駿	2015	Plasma Processes and Polymers	Deposition of Fluorine-containing Thin Film by Atmospheric Pressure Plasma Jet and Film Surface Structural Transition
楊博智	2015	Reactive & Functional Polymers	Synthesis and Chemosensory Properties of Terpyridine-Containing Diblock Polycarbazole through RAFT Polymerization
楊博智	2015	RSC Advances	Synthesis and chemosensory properties of triphenylamine-substituted conjugated polyfluorene containing a terminal di(2-picolyl)amine moiety
楊博智	2015	Journal of the Taiwan Institute of Chemical Engineers	Synthesis, photochemical properties, and self-assembly of diblock copolymer bearing azobenzene moieties
廖建勛	2015	Chemical Communications	A photoluminescent layer for improving the performance of dye-sensitized solar cells
廖朝光	2015	Electrochimica Acta	Effect of Current Pulse on Electronic Properties of Cu ₂ O Films Fabricated by Electrochemical Deposition Process
廖朝光	2015	Solid-State Electronics	Fabrication of assembled ZnO/TiO ₂ heterojunction thin film transistors using solution processing technique
廖朝光	2015	Thin Solid Films	Preparation of Ag/SiO ₂ near-infrared absorbers using the combination of sputtering and spin-coating depositions
謝建德	2015	International Journal of Hydrogen Energy	Deposition of Binary Pd-Rh Catalysts on Nanostructured Carbon Supports for Non-enzymatic Glucose Oxidation
謝建德	2015	Sensors and Actuators A	Flexible micro sensor for in-situ monitoring temperature and voltage of coin cells
謝建德	2015	Electrochimica Acta	High-Performance MEA Prepared by Direct Deposition of Platinum on the Gas Diffusion Layer Using an Atomic Layer Deposition Technique
謝建德	2015	RSC Advances	Mixed Ionic Liquid/organic Carbonate Electrolytes for LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ Electrodes at Various Temperatures
謝建德	2015	PLOS ONE	The Antimicrobial Properties of Silver Nanoparticles in Bacillus subtilis Are Mediated by Released Ag ⁺ Ions.
謝建德	2015	Nanoscale	Thermal Conductivity from Hierarchical Heat Sinks Using Carbon Nanotubes and Graphene Nanosheets
謝建德	2015	Materials Chemistry and Physics	Three-dimensional Carbon Composites as Electrode Materials for Symmetric Li-ion Capacitors in Organic Electrolyte
謝建德	2015	Sensors	A flexible three-in-one microsensor for real-time monitoring of internal temperature, voltage and current of lithium batteries

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謝建德	2015	Materials Chemistry and Physics	Electro-oxidation of Methanol and Formic Acid on Platinum Nanoparticles with Different Oxidation Levels
謝建德	2015	Solid State Sciences	Facile Synthesis of Graphene Sheets for Heat Sink Application
謝建德	2015	Journal of Materials Chemistry A	Graphene nanosheets, carbon nanotubes, graphite, and activated carbon as anode materials for sodium-ion batteries
謝建德	2015	Solid State Ionics	Medium-frequency Induction Sintering of Lithium Nickel Cobalt Manganese Oxide Cathode Materials for Lithium Ion Batteries
謝建德	2015	Materials Chemistry and Physics	Microwave Synthesis of Copper Network onto Lithium Iron Phosphate Cathode Materials for Improved Electrochemical Performance
謝建德	2015	Journal of Power Sources	Microwave-assisted synthesis of titania coating onto polymeric separators for improved lithium-ion battery performance
謝建德	2015	Journal of Power Sources	Size-controlled Platinum Nanoparticles Prepared by Modified-version Atomic Layer Deposition for Ethanol Oxidation
謝建德	2015	PLOS ONE	ZnO Nanoparticles Affect Bacillus subtilis Cell Growth and Biofilm Formation
藍祺偉	2015	Chemical Engineering Transactions	Docosahexaenoic acid production from crude glycerol by schizochytrium limacinum SR21
藍祺偉	2015	Biotechnology Advances	Novel approaches of producing bioenergies from microalgae: A recent review
藍祺偉	2015	Chemical Engineering Transactions	Optimisation of extractive bioconversion for green polymer via aqueous two-phase system
藍祺偉	2015	Frontiers in Life Science	Overview of citric acid production from Aspergillus niger
藍祺偉	2015	Chemical Engineering Transactions	Thermoseparating aqueous two-phase system: Recent trends and applications
藍祺偉	2015	Journal of Separation Science	Thermoseparating aqueous two-phase systems: Recent trends and mechanisms
藍祺偉	2015	Biotechnology Journal	Novel lipase purification methods – a review of the latest developments
藍祺偉	2015	Current Organic Chemistry	Review of Microbial Lipase Purification Using Aqueous Two-phase Systems