

教師姓名	年份	期刊名稱	論文名稱
尹庚鳴	2016	Journal of the Taiwan Institute of Chemical Engineers	One-dimensional comparison of numerical approaches on two-phase flow in the membrane electrode assembly of PEMFC
尹庚鳴	2016	Renewable Energy	Non-uniform agglomerate cathode catalyst layer model on the performance of PEMFC with consideration of water effect
何政恩	2016	Scripta Materialia	Real-time X-ray microscopy study of electromigration in microelectronic solder joints
何政恩	2016	鑛冶(Mining & Metallurgy)	利用EBSD分析電流密度對盲孔中電鍍銅微結構的影響
何政恩	2016	Surface & Coatings Technology	Comparative Study between Au/Pd/Cu and Au/Pd(P)/Cu Films in Soldering Applications
何政恩	2016	Journal of Alloys and Compounds	Electromigration in 3D-IC Scale Cu/Sn/Cu Solder Joints
何政恩	2016	Surface & Coatings Technology	In-situ Study on the Self-annealing Behavior of Electroplated Cu through the Cantilever Method, XRD, and EBSD
何政恩	2016	Surface & Coatings Technology	Interfacial Microstructures and Mechanical Properties of Molten Sn Reacting with Ni-xP Films
何政恩	2016	Applied Surface Science	Real-time Study of Electromigration in Sn Blech Structure
余子隆	2016	Journal of Polymer Research	Crosslinked ethyl phosphoric acid grafted polybenzimidazole and polybenzimidazole blend membranes for high temperature proton exchange membrane fuel cells
余子隆	2016	International Journal of Hydrogen Energy	Platinum on pyridine-polybenzimidazole wrapped carbon nanotube supports for hightemperature proton exchange membrane fuel cells
林秀麗	2016	Journal of Polymer Research	Crosslinked ethyl phosphoric acid grafted polybenzimidazole and polybenzimidazole blend membranes for high temperature proton exchange membrane fuel cells
林秀麗	2016	International Journal of Hydrogen Energy	Platinum on pyridine-polybenzimidazole wrapped carbon nanotube supports for hightemperature proton exchange membrane fuel cells
林錕松	2016	Journal of Materials Science	A microstructural and neutron-diffraction study on the interactions between microwave-irradiated multiwalled carbon nanotubes and hydrogen
林錕松	2016	Journal of Alloys and Compounds	Cycle Stability Improvement of La-Mg-Ni Based Alloys via Composite Method
林錕松	2016	Chemosphere	Fate and Transport with Material Response Characterization of Green Sorption Media for Copper Recovery via Adsorption Process
林錕松	2016	Journal of the Taiwan Institute of Chemical Engineers	Hydrogen Storage Capacity Enhancement of MIL-53(Cr) by Pd Loaded Activated Carbon Doping
林錕松	2016	Chemical Engineering Journal	Improving CO ₂ adsorption capacities and CO ₂ /N ₂ separation efficiencies of MOF-74(Ni,Co) by doping palladium-containing activated carbon
林錕松	2016	International Journal of Advances in Science, Engineering and Technology	On-Demand Controlled Release of Therapeutics Using Stimuli-Responsive Nanocarriers
林錕松	2016	化工 - 二氧化碳捕獲/儲存及再利用技術專輯	利用高效率新穎觸媒催化二氧化碳生成甲醇、二甲醚及碳酸二甲酯之技術研發與應用
林錕松	2016	Nanoscience and Nanotechnology Letters	Acid-Catalyzed Synthesis and CO ₂ Adsorption Properties of Copper and Copper-Zinc Bi-metallic Imidazoles Frameworks
林錕松	2016	Journal of Cleaner Production	An Innovative Solar Energy-powered Floating Media Bed Reactor for Nutrient Removal (I): Reactor Design
林錕松	2016	Journal of Cleaner Production	An Innovative Solar Energy-powered Floating Media Bed Reactor for Nutrient Removal (II): Material Characterization
林錕松	2016	Nanoscience and Nanotechnology Letters	Enhancement of DME Formation from Methanol Dehydration by Doping CuO-ZnO-Al ₂ O ₃ Nanocatalyst into Protonated Mesoporous Beta and Y Zeolites

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林錕松	2016	Chemosphere	Fate and Transport with Material Response Characterization of Green Sorption Media for Copper Removal via Desorption Process
林錕松	2016	Journal of Nanoscience and Nanotechnology	Small Angle X-Ray Scattering Characterization of Multifunctional Iron Oxide-Pluronic Nanocarriers: Effect of Temperature and Drug Encapsulation
林錕松	2016	Journal of Biomedical Nanotechnology	Superparamagnetic Iron Oxide Nanorod Carriers for Paclitaxel Delivery in the Treatment and Imaging of Colon Cancer in Mice
邱昱誠	2016	ACS Nano	Efficient Blue Electroluminescence Using Quantum-Confined Two-Dimensional Perovskites
姚少凌	2016	International Journal of Polymeric Materials	Characterization and implantation of a novel foamy type of collagen into SD rats to regenerate tissue by slowing down the collagen degradation rate
姚少凌	2016	Scientific Reports	Pharmacological activation of lysophosphatidic acid receptors regulates erythropoiesis
姚少凌	2016	Bioremediation Journal	Biodegradation of trinitrotoluene (TNT) by indigenous microorganisms from TNT-contaminated soil, and their application in TNT bioremediation
姚少凌	2016	PLOS ONE	Incidence of and Risk Factors for Pediatric Metachronous Contralateral Inguinal Hernia: Analysis of a 17-Year Nationwide Database in Taiwan
姚少凌	2016	Cells Tissues Organs	Scaffolds and cell-based tissue engineering for blood vessel therapy
洪逸明	2016	Journal of Electronic Materials	Synthesis and Electrochemical Performance of the Na ₃ V ₂ (PO ₄) ₃ Cathode for Sodium-Ion Batteries
洪逸明	2016	Energies	Effect of Photoanode Design on the Photoelectrochemical Performance of Dye-Sensitized Solar Cells Based on SnO ₂ Nanocomposite
孫一明	2016	Journal of Polymer Science. Part B - Polymer Physics	Extraordinary Transport Behavior of Gases in Isothermally Annealed Poly(4-Methyl-1-Pentene) Membranes
孫一明	2016	Polymer Degradation and Stability	Poly[(R)3-hydroxybutyrate] (PHB)/poly(L-lactic acid) (PLLA) blends with poly(PHB/PLLA urethane) as a compatibilizer
孫安正	2016	International Journal of Molecular Sciences	Bacteria-Templated NiO Nanoparticles/Microstructure for an Enzymeless Glucose Sensor
孫安正	2016	Advanced Engineering Materials	Fatigue-Crack-Growth Behavior of Two Pipeline Steels
孫安正	2016	Surface & Coatings Technology	Growth of L11 structured CoPt thin films by alternate sputtering method on glass substrate
孫安正	2016	Materials	Recording Characteristics, Microstructure, and Crystallization Kinetics of Ge-GeCu Recording Film Used for Write-Once Blu-Ray Disc
張幼珍	2016	化工	計算流體力學模擬在氣相懸浮微粒程序的應用
陳芸	2016	Journal of Biomedical Nanotechnology	Superparamagnetic Iron Oxide Nanorod Carriers for Paclitaxel Delivery in the Treatment and Imaging of Colon Cancer in Mice
黃駿	2016	Japanese Journal of Applied Physics	Plasma polymerization of acrylic acid onto polystyrene by cyclonic plasma at atmospheric pressure
黃駿	2016	Chemical Engineering Journal	Synergistic biosorption between phenol and nickel(II) from Binary mixtures on chemically and biologically modified chitosan beads
黃駿	2016	Japanese Journal of Applied Physics	Tailoring surface properties of polyethylene separator by low pressure 13.56MHz RF oxygen plasma glow discharge
黃駿	2016	Thin Solid Films	The study of creation of polymerizable species in radio frequency hydrocarbon plasma polymerization in a closed reactor system
楊博智	2016	RSC Advances	Photophysical and photovoltaic properties of truxene-functionalized conjugated polymer-fullerene supramolecular complexes

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楊博智	2016	Sensors & Actuators: B. Chemical	Enhanced sensing ability of fluorescent chemosensors with triphenylamine-functionalized conjugated polyfluorene
楊博智	2016	RSC Advances	Synthesis and chemosensory properties of two-arm truxene-functionalized conjugated polyfluorene containing terpyridine moiety
廖建勛	2016	臺灣化學教育	飲食文化與化學:烹飪的熱化學
廖朝光	2016	Journal of the Electrochemical Society	Investigation of Rapid Thermal Annealing on Cu ₂ O Properties and n-p Cu ₂ O Homojunction Performance by Electrochemical Deposition Processing
謝建德	2016	International Journal of Environmental Research and Public Health	Antiviral Activity of Graphene-Silver Nanocomposites against Non-Enveloped and Enveloped Viruses.
謝建德	2016	Journal of Electroanalytical Chemistry	Bimetallic Pd-Rh Nanoparticles onto Reduced Graphene Oxide Nanosheets as Electrocatalysts for Methanol Oxidation
謝建德	2016	Journal of Alloys and Compounds	Deposition of MnO ₂ Nanoneedles on Carbon Nanotubes and Graphene Nanosheets as Electrode materials for Electrochemical Capacitors
謝建德	2016	RSC Advances	Electrochemical Exfoliation of Graphene Sheets from Natural Graphite Flask in Presence of Sulfate Ions at Different Temperatures
謝建德	2016	RSC Advances	Enhancing Thermal Transport Efficiency in Carbon Composites Using Nanospacers
謝建德	2016	Journal of Materials Chemistry A	Facile Electrochemical Preparation of Hierarchical Porous Structures to Enhance Manganese Oxide Charge-Storage Properties in Ionic Liquid Electrolytes
謝建德	2016	Surface & Coatings Technology	Hierarchical Oil-water Separation Membrane Using Carbon Fabrics Decorated with Carbon Nanotubes
謝建德	2016	Journal of the Taiwan Institute of Chemical Engineers	High Performance Infrared Heaters Using Carbon Fiber Filaments Decorated with Alumina Layer by Microwave-assisted Method
謝建德	2016	ACS Applied Materials & Interfaces	Immobilization of Anions on Polymer Matrices for Gel Electrolytes with High Conductivity and Stability in Lithium Ion Batteries
謝建德	2016	Electrochimica Acta	Infrared-assisted Synthesis of Lithium Nickel Cobalt Alumina Oxide Powders as Electrode Material for Lithium-ion Batteries
謝建德	2016	Nano Energy	Laser Fabrication of All-Solid-State Microsupercapacitors with Ultrahigh Energy and Power Based on Hierarchical Pore Carbon
謝建德	2016	Diamond and Related Materials	Preparation of Carbon Nanotube-activated Carbon Hybrid Electrodes by Electrophoretic Deposition for Supercapacitor Applications
謝建德	2016	Journal of the Taiwan Institute of Chemical Engineers	Substituent Effects on Photodegradation of Phenols in Binary Mixtures by Hybrid H ₂ O ₂ and TiO ₂ Suspensions under UV Irradiation
謝建德	2016	Carbon	Thermal Transport in Stereo Carbon Framework Using Graphite Nanospheres and Graphene Nanosheets
謝建德	2016	Journal of the Taiwan Institute of Chemical Engineers	Enhanced Adsorption and Photodegradation of Phenol in Aqueous Suspensions of Titania/Graphene Oxide Composite Catalysts
謝建德	2016	Nano Energy	High Dispersion of 1-nm SnO ₂ Particles between Graphene Nanosheets Constructed Using Supercritical CO ₂ Fluid for Sodium-ion Battery Anodes
謝建德	2016	RSC Advances	One-step Electrophoretic Fabrication of Graphene and Carbon Nanotube-based Scaffold for Manganese-based Pseudocapacitors
謝建德	2016	Microporous and Mesoporous Materials	Sound Transmission Loss from Polyvinyl Acetate Polymer Mixed with Different Porous Carbons.
藍祺偉	2016	International Journal of Molecular Sciences	Enriched Astaxanthin Extract from Haematococcus pluvialis Augments Growth Factor Secretions to Increase Cell Proliferation and Induces MMP1 Degradation to Enhance Collagen Production in Human Dermal Fibroblasts

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藍祺偉	2016	Bioresources and Bioprocessing	Current applications of different type of aqueous two-phase systems
藍祺偉	2016	Clean Technologies and Environmental Policy	Docosahexaenoic acid production from crude glycerol by Schizochytrium limacinum SR21
藍祺偉	2016	Bioresources and Bioprocessing	Preliminary integrated economic and environmental analysis of polyhydroxyalkanoates (PHAs) biosynthesis