

教師姓名	年份	期刊名稱	論文名稱
尹庚鳴	2008	Journal of Power Sources	A theoretical model of the membrane electrode assembly of liquid feed direct methanol fuel cell with consideration of water and methanol crossover
何政恩	2008	Soldering and Surface Mount Technology	Effect of strain on whisker growth in matte tin
余子隆	2008	Journal of The Chinese Institute of Chemical Engineers	The study of PTFE/Nafion/Silicate membranes operating at low relative humidity and elevated temperature
余子隆	2008	Journal of Power Sources	Preparation of PBI/PTFE composite membranes from PBI in N, N'-dimethyl acetamide solutions with various concentrations of LiCl
余子隆	2008	Journal of Membrane Science	Nafion/PTFE and Zirconium phosphate modified Nafion/PTFE composite membranes for direct methanol fuel cells.
余子隆	2008	international journal of hydrogen energy	Nafion/PTFE/silicate membranes for high-temperature proton exchange membrane fuel cells
吳和生	2008	Korean Journal of Chemical Engineering	Fermentation strategy for the production of poly(3-hydroxyhexanoate) by Aeromonas sp. KC014
吳和生	2008	Chemical Engineering Journal	Kinetic Study of Phenol Recovery Using Phase-Transfer Catalysis in Horizontal Membrane Reactor
吳和生	2008	Journal of The Chinese Institute of Chemical Engineers	Kinetics of Allylation of Phenol Using Quaternary Ammonium Membranes in a Membrane Reactor
吳和生	2008	Biochemical Engineering Journal	Isolation and Purification of Bacterial Poly(3-hydroxyalkanoates)
林秀麗	2008	Journal of Power Sources	Preparation of PBI/PTFE composite membranes from PBI in N, N'-dimethyl acetamide solutions with various concentrations of LiCl
林秀麗	2008	Journal of Membrane Science	Preparation of Nafion/PTFE/Zr(HPO ₄) ₂ composite membranes by direct impregnation method
林秀麗	2008	Journal of Power Sources	Preparation of PBI/PTFE Composite Membranes from PBI in N,N'-Dimethyl acetamide Solutions with Various Concentrations of LiCl
林昇佃	2008	Journal of Molecular Catalysis A	Effect of Co-feed Species on Methanol Conversion over Cu/ZnO/Al ₂ O ₃ and Its Possible Mechanism
林昇佃	2008	JOURNAL OF PHYSICAL CHEMISTRY C	Effect of Electrode Pt Loading on The Oxygen Reduction Reaction Evaluated by Rotating Disk Electrode and Its Implication on The Reaction Kinetics
林錕松	2008	NANO	Decontamination of Nitrates and Nitrites in Wastewater by Zero-Valent Iron Nanoparticles
林錕松	2008	NANO	Synthesis and Characterization of Titania Nanotubes for Dye Wastewater Treatment
林錕松	2008	NANO	Integrating Nanoscale Zero Valent Iron and Titanium Dioxide for Nutrient Removal in Stormwater Systems
林錕松	2008	Catalysis Today	Hydrogen Generation by Catalytic Reforming of Motor Oils in an Integrated Fuel Cell Processor
林錕松	2008	SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS	Fine Structure Characterization of Zero-Valent Iron Nanoparticles for Decontamination of Nitrates and Nitrites in Wastewater

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林錕松	2008	PETROLEUM SCIENCE AND TECHNOLOGY	Control Strategy of PCDD/Fs in an Industrial Fluidized-bed Incinerator via Activated Carbon Injection
林錕松	2008	Journal of Hazardous Materials	Effects of Synthetic Temperature on the Microstructures and Basic Dyes Adsorption of Titanate Nanotubes
洪信國	2008	e-Polymers	The Curing Behavior of the Epoxy/Dicyandiamide (DICY)/ -Methylimidazole System With Intercalated Clays
洪信國	2008	Reactive & Functional Polymers	Crystallization and Degradation Behaviors of Treated Polyhydroxybutyrates
洪信國	2008	J. Appl. Polym. Sci.	Improvement of Thermal Stability of Polyhydroxybutyrates by Grafting Maleic Anhydride by Different Methods: Differential Scanning Calorimetry, Thermogravimetry Analysis, and Gel Permeation Chromatography
洪信國	2008	J. Appl. Polym. Sci.	Improvement of Thermal Stability of Polyhydroxybutyrates by Grafting Maleic Anhydride with Different Methods: DSC, TGA, and GPC Analyses
洪信國	2008	e-Polymers	The Curing Behaviors of the Epoxy/Dicyandiamide (DICY)/ -Methylimidazole System With Intercalated Clays
洪逸明	2008	Journal of Alloys and Compounds	Crystallization kinetics and growth mechanism of 8 mol% yttria-stabilized zirconia (8YSZ) nano-powders prepared by a sol-gel process
洪逸明	2008	MATERIALS LETTERS	Highly-ordered mesoporous nanocrystalline yttria-stabilized zirconia synthesized through evaporation-induced self-assembly method
洪逸明	2008	JOURNAL OF THE EUROPEAN CERAMIC SOCIETY	Thermal Stability of Ordered Mesoporous Yttria-stabilized Zirconia
洪逸明	2008	Journal of Alloys and Compounds	Low-temperature synthesis of nanocrystalline lanthanum monoaluminate powders by chemical coprecipitation
孫一明	2008	Korean Journal of Chemical Engineering	Fermentation strategy for the production of poly(3-hydroxyhexanoate) by Aeromonas sp. KC014
孫一明	2008	Applied Surface Science	Polymeric Membrane Studied Using Slow Positron Beam
孫一明	2008	Desalination	The behaviors of human mesenchymal stem cells on the poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHHx) membranes
孫一明	2008	Desalination	Applications of positron annihilation spectroscopy to polymeric membranes
孫一明	2008	Polymer	Processing and Characterization of Electrospun Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) Nanofibrous Membranes
莊瑞鑫	2008	Journal of Hazardous Materials	Experimental observations on the effect of added dispersing agent on phenol biodegradation in a microporous membrane bioreactor
莊瑞鑫	2008	Separation & Purification Technology	Recovery of surfactin from fermentation broths by a hybrid salting-out and membrane filtration process
莊瑞鑫	2008	Journal of Membrane Science	Use of membrane contactors as two-phase bioreactors for the removal of phenol in saline and acidic solutions

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莊瑞鑫	2008	Chemical Engineering Journal	Influence of operating parameters on photocatalytic degradation of phenol in UV/TiO ₂ process
莊瑞鑫	2008	International Journal of Biological Macromolecules	Thermal inactivation and reactivity of beta-glucosidase immobilized onto chitosan-clay composite
莊瑞鑫	2008	Separation & Purification Technology	Flux decline and membrane cleaning in the cross-flow ultrafiltration of treated fermentation broths for surfactin recovery
莊瑞鑫	2008	Journal of Membrane Science	Resistance-in-series analysis in cross-flow ultrafiltration of fermentation broths of Bacillus subtilis culture
莊瑞鑫	2008	Separation & Purification Technology	Photocatalytic degradation of phenol and m-nitrophenol using irradiated TiO ₂ in aqueous solutions
莊瑞鑫	2008	Separation & Purification Technology	Membrane fouling and resistance analysis in dead-end ultrafiltration of Bacillus subtilis fermentation broths
莊瑞鑫	2008	Chemical Engineering Journal	Applicability of the exponential time dependence of flux decline during dead-end ultrafiltration of binary protein solutions
莊瑞鑫	2008	Desalination	Effect of operating parameters on the separation of proteins in aqueous solutions by dead-end ultrafiltration
莊瑞鑫	2008	Journal of Membrane Science	Extraction of surfactin from fermentation broths with n-hexane in microporous PVDF hollow fibers: Significance of membrane adsorption
莊瑞鑫	2008	Biochemical Engineering Journal	Recovery and separation of surfactin from pretreated fermentation broths by physical and chemical extraction
莊瑞鑫	2008	Desalination	Removal of Cu(II) and Ni(II) from aqueous solutions using batch and fixed-bed ion exchange processes
莊瑞鑫	2008	Biochemical Engineering Journal	Purification of surfactin in pretreated fermentation broths by adsorptive removal of impurities
彭宗平	2008	J. Appl. Phys.	Effects of Interfacial sulfidization and thermal annealing on the electrical properties of an atomic-layer-deposited Al ₂ O ₃ gate dielectric on GaAs substrate
彭宗平	2008	J. Nanosci. Nanotech.	Synthesis and Photoluminescence of Amorphous Ca-Ge-O Nanowires
彭宗平	2008	J. Phys.-Condensed Matt.	Electrical transport via variable range hopping in an individual multi-wall carbon nanotube,
彭宗平	2008	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	One-dimensional organic and organometallic nanostructured materials
彭宗平	2008	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	Photoluminescence of Si nanocrystallites and amorphous oxygen-containing si nanoparticles: The reversible effect of ambient atmosphere on luminescence
彭宗平	2008	Japanese Journal of Applied Physics	Preparation and Optical Properties of TiO ₂ Nanohoneycomb
彭宗平	2008	Nanotechnology	The passive optical properties of a silicon nanoparticle-embedded benzocyclobutene polymer waveguide

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彭宗平	2008	CRYSTAL GROWTH & DESIGN	Water-driven formation of luminescent Zn ₂ GeO ₄ nanorods from Zn-containing Ge nanoparticles
葉君棣	2008	Journal of Colloid and Interface Science	Temperature-Programmed Reduction Study on Carbon Supported Platinum-Gold Alloy Catalysts
廖建勛	2008	Journal of Polymer Science: Part B: Polymer Physics	Thermal Degradation Kinetics of Biodegradable Poly(3-hydroxybutyrate)/Layered Double Hydroxide Nanocomposites
廖朝光	2008	Expert Systems with Applications	Process optimization of sedimentation self-assembly of opal photonic crystals under relative humidity-controlled environments
廖朝光	2008	Chemical Engineering and Processing	Effects of influential factors on sedimentation self-assembly processing of photonic band gap crystals by relative humidity-controlled environments
廖朝光	2008	Journal of Power Sources	Optimal heating trajectories of controlling green tapes of YSZ electrolyte deformation using TMA during thermal processing
廖朝光	2008	Thin Solid Films	Semiconductor characterization of Cr ³⁺ -doped titania electrodes with p-n homojunction devices
廖朝光	2008	Industrial and Engineering Chemistry Research	Photocatalytic Lithography Processing via Poly(vinyl butyral)/TiO ₂ Photoresists by Ultraviolet (UV) Exposure
廖朝光	2008	J. Chinese Institute of Chemical Engineers	Effect of poly(ethylene glycol) additives on the photocatalytic activity of TiO ₂ films prepared by sol-gel processing and low temperature treatments
廖朝光	2008	Colloids and Surfaces A: Physicochem. Eng. Aspects	Process optimization of preparing spherical titania colloids with uniform distribution using artificial neural networks
廖朝光	2008	Separation Science and Technology	Fabrication and characterization of Fe ³⁺ -doped titania semiconductor electrodes with p-n homojunction devices
謝建德	2008	Separation & Purification Technology	Parameter Settings on Preparation of Composite Photocatalysts for Enhancement of Adsorption/photocatalysis Hybrid Capability
謝建德	2008	Journal of Alloys & Compounds	Fabrication and Electrochemical Activity of Carbon Nanotubes Decorated with PtRu Nanoparticles in Acid Solution
謝建德	2008	Journal of Power Sources	Hydrogenation and Dehydrogenation of Mg ₂ Co Nanoparticles and Carbon Nanotube Composites
謝建德	2008	Carbon	Fabrication and Superhydrophobicity of Fluorinated Carbon Fabrics with Micro/Nanoscaled Two-Tier Roughness
謝建德	2008	Microporous & Mesoporous Materials	Impact of Mesoporous Pore Distribution on Adsorption of Methylene Blue onto Titania Nanotubes in Aqueous Solution
謝建德	2008	Surface & Coatings Technology	Superhydrophobicity from Composite Nano/microstructures: Carbon Fabrics Decorated with Silica Nanoparticles
謝建德	2008	Journal of Adhesion Science and Technology	Fabrication and Superhydrophobic Behavior of Fluorinated Silica Nanosphere Arrays
謝建德	2008	Physica E: Low-Dimensional Systems & Nanostructures	Adsorption Energy Distribution of Carbon Tetrachloride on Carbon Nanofiber Arrays Prepared by Template Synthesis

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謝建德	2008	Journal of Solid State Electrochemistry	Synthesis and electrochemical characterization of carbon nanotubes decorated with nickel nanoparticles for use as an electrochemical capacitor
謝建德	2008	Journal of Materials Processing Technology	Synthesis and photocatalytic characterization of titania-supported bamboo charcoals by using sol-gel method