

| 教師姓名 | 年份   | 期刊名稱   | 論文名稱   |
|------|------|--|--|
| 尹庚鳴  | 2009 | Journal of Chemical Engineering of Japan     | An algebraic model of liquid feed direct methanol fuel cell with co-current channel flow   |
| 何政恩  | 2009 | Journal of Electronic Materials              | The Influence of Current Direction on the Cu-Ni Cross-Interaction in Cu/Sn/Ni Diffusion Couple   |
| 何政恩  | 2009 | Journal of Electronic Materials              | Study of DC and AC Electromigration Behaviors in Eutectic PbSn Solder Joints   |
| 余子隆  | 2009 | The Open Fuels & Energy Science Journal      | Preparation of PBI/H3PO4-PTFE composite membranes for high temperature fuel cells  |
| 余子隆  | 2009 | Journal of Polymer Research                  | Silicate and zirconium phosphate modified Nafion/PTFE composite membranes for high temperature PEMFC   |
| 余子隆  | 2009 | Journal of Power Sources                     | Durability and stability test of proton exchange membrane fuel cells prepared from polybenzimidazole/poly(tetrafluoro ethylene) composite membrane |
| 余子隆  | 2009 | Polymer                                      | Morphology and properties of Nafion membranes prepared by solutions casting Polymer  |
| 吳和生  | 2009 | Asia-Pacific Journal of Chemical Engineering | Optimizing acidic methanolysis of poly(3-hydroxyalkanoates) in gas chromatography analysis   |
| 吳和生  | 2009 | Biotechnology and Bioprocess Engineering     | Determination of Fungal Glucosamine Using HPLC with 1-Naphthyl isothiocyanate Derivatization and Microwave Heatingengineering                      |
| 吳和生  | 2009 | Biotechnology and Bioprocess Engineering     | Direct purification of Burkholderia pseudomallei lipase from fermentation broth using aqueous two-phase systems                                    |
| 吳和生  | 2009 | Separation & Purification Technology         | Engineering problems in protein crystallization  |
| 林秀麗  | 2009 | The Open Fuels & Energy Science Journal      | Preparation of PBI/H3PO4-PTFE composite membranes for high temperature fuel cells  |
| 林秀麗  | 2009 | Journal of Polymer Research                  | Silicate and zirconium phosphate modified Nafion/PTFE composite membranes for high temperature PEMFC   |
| 林秀麗  | 2009 | Journal of Polymer Research                  | Electrospin of Polysulfone in N,N' -dimethyl acetamide Solutions   |
| 林秀麗  | 2009 | Polymer                                      | Morphology and properties of Nafion membranes prepared by solutions casting Polymer  |
| 林秀麗  | 2009 | Journal of Power Sources                     | Durability and stability test of proton exchange membrane fuel cells prepared from polybenzimidazole/poly(tetrafluoro ethylene) composite membrane |
| 林裕川  | 2009 | ChemSusChem                                  | Catalytic partial oxidation of methanol and ethanol for hydrogen generation  |
| 林錕松  | 2009 | J. Chem. Eng. Jpn.                           | Desulfurization of Gasoline and Diesel by Adsorption with Cu(I)-Y Zeolite  |
| 林錕松  | 2009 | Thin Solid Films                             | Preparation and Characterization of Aligned Iron Nanorod Using Aqueous Chemical Method   |

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|------|------|---|--|
| 姚少凌  | 2009 | Experimental Hematology                             | Characterization and transplantation of induced megakaryocytes from hematopoietic stem cells for rapid platelet recovery by a two-step serum-free procedure  |
| 洪逸明  | 2009 | ECS Transactions                                    | Synthesis and Characterization of Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-δ</sub> for Intermediate Temperature Solid Oxide Fuel Cell Cathode by Solid-State Reaction, Pechini and Citrate-EDTA Complexing Methods |
| 洪逸明  | 2009 | Journal of Alloys & Compounds                       | Effect of Y <sub>2</sub> O <sub>3</sub> addition on the crystal growth and sintering behavior of YSZ nanopowders prepared by a sol-gel process   |
| 洪逸明  | 2009 | Journal of Power Sources                            | The Synthesis and Characterization of the Sm <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>1-x</sub> Cu <sub>x</sub> O <sub>3-δ</sub> Cathode by the Glycine-Nitrate Process  |
| 洪逸明  | 2009 | Journal of Power Sources                            | Phase Stability and Conductivity of Ba <sub>1-y</sub> Sr <sub>y</sub> Ce <sub>1-x</sub> Y <sub>x</sub> O <sub>3-δ</sub> Solid Oxide Fuel Cell Electrolyte  |
| 孫一明  | 2009 | Desalination  | The Response of Rat Cerebellar Granule Neurons (rCGNs) to Various Polyhydroxyalkanoate (PHA) Films   |
| 孫一明  | 2009 | Polymer   | Relationship Between Free Volume Properties And Structure of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Membranes via Various Crystallization Conditions   |
| 孫一明  | 2009 | Chemical Engineering Education                      | Engaging Undergraduates in an Interdisciplinary Program: Developing a Biomaterial Technology Program   |
| 孫一明  | 2009 | Journal of Polymer Science, Part B: Polymer Physics | Effect of Thermal History on the Free Volume Properties of Semi-crystalline Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Membranes by Positron Annihilation Lifetime Spectroscopy  |
| 孫一明  | 2009 | Polymer   | Change of Structure and Free Volume Properties of Semi-crystalline Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) during Thermal Treatments by Positron Annihilation Lifetime  |
| 孫一明  | 2009 | Journal of Biomaterial Science, Polymer Edition     | Modulating the Activities of Human Mesenchymal Stem Cells (hMSCs) and C3A/HepG2 Hepatoma Cells by Modifying the Surface Characteristics of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHHx)  |
| 孫一明  | 2009 | Materials Science Forum                             | Positronium Chemistry in Polymeric Membrane Systems  |
| 張幼珍  | 2009 | journal of materials research                       | Growth of zirconia particles by heterocoagulation, self-assembly, and convection-induced coagulation during forced hydrolysis in a refluxed reaction vessel  |
| 莊瑞鑫  | 2009 | Biotechnology and Bioprocess Engineering            | Direct purification of Burkholderia pseudomallei lipase from fermentation broth using aqueous two-phase systems  |
| 莊瑞鑫  | 2009 | Chemical Engineering Journal                        | Initial behavior of intraparticle diffusion model used in the description of adsorption kinetics   |
| 莊瑞鑫  | 2009 | Desalination  | Adsorption of surfactants from water onto raw and HCl-activated clays in fixed beds  |
| 莊瑞鑫  | 2009 | Journal of Hazardous Materials                      | Treatment of phenol in synthetic saline wastewater by solvent extraction and two-phase membrane biodegradation   |

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|------|------|-------------------------------------|--|
| 莊瑞鑫  | 2009 | Journal of Environmental Management | Structure and thermal stability of toxic chromium(VI) species doped onto TiO <sub>2</sub> powders through heat treatment                             |
| 莊瑞鑫  | 2009 | Chemical Engineering Journal        | Characteristics of Elovich equation used for the analysis of adsorption kinetics in dye-chitosan systems   |
| 莊瑞鑫  | 2009 | Biochemical Engineering Journal     | Estimation of the contribution of immobilized biofilm and suspended biomass to the biodegradation of phenol in membrane contactors                   |
| 莊瑞鑫  | 2009 | Journal of Environmental Management | Adsorption of phenol and its derivatives from water using synthetic resins and low-cost natural adsorbents: A review                                 |
| 彭宗平  | 2009 | Nanoscale Research Letters          | Crystalline Gaq3 Nanostructures-Preparation, Thermal Property and Spectroscopy Characterization  |
| 彭宗平  | 2009 | ACTA MATERIALIA                     | Variation of structure and mechanical properties of Ti-6Al-4V with isothermal hydrogenation treatment  |
| 彭宗平  | 2009 | J. Nanoparticle Res.                | Surface Effects on the Photoluminescence of Si Quantum Dots  |
| 彭宗平  | 2009 | Int. J. Hydrogen Energy             | Electrochemical Hydrogenation of Nanocrystalline Face-centered Cubic Co Powder   |
| 彭宗平  | 2009 | Applied Surface Science             | Temperature-programmed Surface Reaction (TPSR) of CH <sub>4</sub> Synthesis by PdxNi100-x Nanoparticles  |
| 彭宗平  | 2009 | Physica C                           | The development of the superconducting PbO-type $\beta$ -FeSe and related compounds  |
| 彭宗平  | 2009 | Electrochem Solid State Lett.       | Photoluminescence of GaQ3-Al <sub>2</sub> O <sub>3</sub> Core-shell nanowires  |
| 彭宗平  | 2009 | Int. J. Radiation Biology           | Comparison of organic and inorganic germanium compounds in cellular radiosensitivity and preparation of germanium nanoparticles as a radiosensitizer |
| 彭宗平  | 2009 | Nanotechnology                      | Formation of TiO <sub>2</sub> Nanowires on Silicon Directly from Nanoparticles   |
| 彭宗平  | 2009 | SMALL                               | Atomic Layer Deposition of Platinum Nanoparticles on Carbon Nanotubes for Application in Proton-Exchange Membrane Fuel Cells                         |
| 黃駿   | 2009 | Surface and Interface Analysis      | Atmospheric-pressure spin plasma jets processing of polymethylmetacrylate surface using experimental design methodology.                             |
| 黃駿   | 2009 | IEEE Transactions on Plasma Science | Low-temperature atmospheric pressure plasma jet for thin film deposition   |
| 黃駿   | 2009 | IEEE Transactions on Plasma Science | Low-Temperature Cyclonic Plasma Created at Atmospheric Pressure  |
| 黃駿   | 2009 | Surface and Interface Analysis      | Surface characterization of the SiO <sub>x</sub> films prepared by a remote atmospheric pressure plasma jet  |
| 黃駿   | 2009 | Thin Solid Films                    | Investigation of atmospheric-pressure plasma deposited SiO <sub>x</sub> films  |

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| 葉君棣  | 2009 | Catalysis Today                                     | Selective production of hydrogen from partial oxidation of methanol over supported silver catalysts prepared by method of redox coprecipitation                                    |
| 葉君棣  | 2009 | Journal of Power Sources                            | Promotion of the electrocatalytic activity of a bimetallic platinum–ruthenium catalyst by repetitive redox treatments for direct methanol fuel cell                                |
| 葉君棣  | 2009 | Chemical Engineering Transactions                   | Effect of Y <sub>2</sub> O <sub>3</sub> binder on the methanol steam reforming activity of Cu/ZnO catalyst   |
| 葉君棣  | 2009 | Catalysis Today                                     | Study on the Steam Reforming of Ethanol over Cobalt Oxides   |
| 廖建勳  | 2009 | Electrochemistry Communications                     | Graphene modified basal and edge plane pyrolytic graphite electrodes for electrocatalytic oxidation of hydrogen peroxide and b-nicotinamide adenine dinucleotide                   |
| 廖朝光  | 2009 | Ind. Eng. Chem. Res                                 | Optimal Control of the Sintering Strain Rate of Ytria-Stabilized Zirconia Electrolytes for Solid Oxide Fuel Cells Using a Thermal-Mechanical Analyzer during the Sintering Process |
| 廖朝光  | 2009 | Microelectronic engineering                         | Investigation of field-effect transistors fabricated by metal-ion-doped nano-titania using sol–gel technique   |
| 廖朝光  | 2009 | SEMICONDUCTOR SCIENCE AND TECHNOLOGY                | Fabrication of field-effect transistors based on Fe <sup>3+</sup> -doped titania by sol–gel methods  |
| 謝建德  | 2009 | Journal of Colloid Interface & Science              | Fabrication and Superhydrophobicity of Fluorinated Titanium Dioxide Nanocoatings   |
| 謝建德  | 2009 | Surface & Coatings Technology                       | Super Water- and Oil-Repellencies from Silica-Based Nanocoatings   |
| 謝建德  | 2009 | Journal of Physics & Chemistry of Solids            | Electrochemical Capacitance from Carbon Nanotubes Decorated with Titanium Dioxide Nanoparticles in Acid Electrolyte.   |
| 謝建德  | 2009 | Journal of Physical Chemistry: C                    | Contact Angle Hysteresis and Work of Adhesion of Oil Droplets on Nanosphere Stacking Layers  |
| 謝建德  | 2009 | Journal of Power Sources                            | Fabrication of Bimetallic Pt–M (M= Fe, Co, and Ni) Nanoparticle/Carbon Nanotube Electrocatalysts for Direct Methanol Fuel Cells  |
| 謝建德  | 2009 | Microporous & Mesoporous Materials                  | Synthesis of Carbon Nanotubes on Carbon Fabric for Use as Electrochemical Capacitor  |
| 謝建德  | 2009 | Separation & Purification Technology                | Adsorption and Visible-light-derived Photocatalytic Kinetics of Organic Dye on Co-doped Titania Nanotubes Prepared by Hydrothermal Synthesis                                       |
| 謝建德  | 2009 | Physica E: Low-Dimensional Systems & Nanostructures | Carbon Nanotubes Embedded with PtRu Nanoparticles as Methanol Fuel Cell Electrocatalysts   |
| 謝建德  | 2009 | Materials Chemistry & Physics                       | Synthesis of Carbon Nanotubes over Ni- and Co-Supported CaCO <sub>3</sub> Catalysts Using Catalytic Chemical Vapor Deposition  |
| 謝建德  | 2009 | Powder Technology                                   | Parameter Setting on Growth of Carbon Nanotubes over Transition Metal/Alumina Catalysts in a Fluidized Bed Reactor   |

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| 謝建德  | 2009 | international journal of hydrogen energy       | Deposition and Electrochemical Activity of Pt-Based Bimetallic Nanocatalysts on Carbon Nanotube Electrodes      |
| 藍祺偉  | 2009 | Biotechnology and Bioprocess Engineering       | Direct purification of Burkholderia pseudomallei lipase from fermentation broth using aqueous two-phase systems |
| 藍祺偉  | 2009 | Process Biochemistry                           | Purification of lipase derived from Burkholderia pseudomallei with alcohol/salt-based aqueous two-phase systems |
| 藍祺偉  | 2009 | Journal of the Biomass Energy Society of China | 以微波反應器轉酯化生產生質柴油之探討  |