

時間: 11/09(六) 14:00~15:25

地點:真知教學大樓R401

Paper No.	報告時間	報告編號	論文題目	學校	發表者
0841	14:00~14:05	OC001	Speciation of Metals in Semiconductor Solvents	National United University	Will Leung
0565	14:05~14:10	OC002	Design of Reverse Osmosis Membranes for Molecular Separation	國立臺灣大學	吳彥雍
0017	14:10~14:15	OC003	Exploring Calcium-Based Anode-Free Hybrid Batteries: Electrolyte Innovation and Structural Analysis	National Taiwan University of Science and Technology	Hsuan Hsuan Su
0224	14:15~14:20	OC004	The Development of PI3K/mTOR Dual Inhibitors for the Treatment of ER+/HER2- Breast Cancer with PI3KCA Mutation	國立台北科技大學	江育安
0416	14:20~14:25	OC005	Green glycerol carbonate synthesis from glycerol and CO2 using a polymeric ionic liquid catalyst	台灣科技大學	許賀翔
0892	14:25~14:30	OC006	Sonication-Assisted Liquid-Phase Exfoliation for Synthesizing Two-Dimensional Silicon-Based Nanosheets from Calcium Disilicide for High Performance Lithium-Ion Batteries	國立台灣大學	李定和
0184	14:30~14:35	OC007	Development of cell sorting biomaterials: Purification of hiPSC-derived cardiomyocytes	國立中央大學	張家綸
0885	14:35~14:40	OC008	Melt Spinning Calcium Disilicide with Precise Stoichiometry Control and Enhanced Silicon Nanosheets Exfoliation for Lithium-ion Batteries	國立台灣大學	Andrian Liangga
0404	14:40~14:45	OC009	The Electrostatic Effect of Binders on the Ion Transport and Polarization at Electrode-Electrolyte Interface of Lithium-ion Battery: A Multi-scale Simulation Study	National Cheng Kung University	Po-Yuan Wang
0025	14:45~14:50	OC010	Iron Based Metal-Organic Framework (MIL-100(Fe)) with Microneedle System for Enhanced Transdermal Keloid Treatment	國立台灣大學	翁在萱
0881	14:50~14:55	OC011	Optimized SiO2 Particles for Enhanced Performance in Passive Daytime Radiative Cooling of Thin Composite Coatings	國立成功大學	王鐸諭
0478	14:55~15:00	OC012	Diketopyrrolopyrrole-Dioxo-Benzodithiophene-Based Multi-Functional Conjugated Polymers for Perovskite Solar Cells	國立臺灣大學	尤浩維
0486	15:00~15:05	OC013	Exploring the Role of Amylase Adsorption and Friction in Oral Astringency Using Tooth-Mimicking Surfaces	國立臺北科技大學	謝佳希
0500	15:05~15:10	OC014	Modeling of CO2 chemical absorption using ethanolamine solutions in rotating packed beds equipped with blade packings and baffles	國立臺灣科技大學	黃光峻
0229	15:10~15:15	OC015	Investigating Photocatalytic Efficiency of MOFs through Organic Dye Degradation under Visible Light	國立中央大學	黃修璋
0652	15:15~15:20	OC016	Preparation of Zein Amyloid Fibrils/Chitosan Hybrid Bioplastic Membranes for Fruit Preservation	國立台灣大學	周子騏

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0593	14:00~14:05	OC017	An in vitro study of fibrinogen conversion to fibrin using various combinations of snail mucin protein fractions.	國立台北科技大學	蔡宥榆
0507	14:05~14:10	OC018	Neuromorphic Functions with the Brain-like Nanofluidic Memristor Enabled by Metal-Organic Framework	臺灣科技大學	張芷瑜
0446	14:10~14:15	OC019	Understanding the Mechanisms of Water Diffusion in Metal-Organic Frameworks	國立臺灣大學	宋怡葶
0606	14:15~14:20	OC020	F-doped Graphene Quantum Dots Decorated Carbon Nanotube as an Efficient Electrocatalyst for High value-added 2e- ORR/Zn Flow Battery	National Taiwan University of Science and Technology	Tzu Ting Liu
0869	14:20~14:25	OC021	Ultrahigh-solid-content Silica/Epoxy Composite for High-performance Integrated Circuit Packaging Materials	國立台灣大學	趙偉丞
0926	14:25~14:30	OC022	Ultrahigh-efficiency Blue-green Iridium(III) Complexes for Light-emitting Electrochemical Cells (LECs) with an EQE exceeding 39%	靜宜大學	張哲綸
0695	14:30~14:35	OC023	Development of a Double Redox System Electrolyte for Enhanced Performance in Dye-Sensitized Solar Cells	國立成功大學	林芷晴
0302	14:35~14:40	OC024	Effects of Mobile Phase Composition on Chiral Retention Mechanisms Using Chiralpak IF Sorbent	國立台北科技大學	林昕玟
0167	14:40~14:45	OC025	Optimal Amine Protonation Constant pKa for Enhancing Cyclic Capacity in CO2 Absorption	國立清華大學	簡國盛
0916	14:45~14:50	OC026	Application of Artificial Interphase on Ni-Rich Cathode Materials in All Solid State Li-Ion Batteries	國立臺灣大學	廖晟宏
0111	14:50~14:55	OC027	New NIR-activated organic molecule-based nanocomposite as an efficient sensitizer for photothermal and photodynamic therapy of cancer	國立台灣大學	劉明鑫
0361	14:55~15:00	OC028	Plasma-Electrified Synthesis of Ruthenium-Based Nanozyme with High Peroxidase-Like Activity	國立台灣科技大學	王勻泚
0205	15:00~15:05	OC029	Development of a Functional Bacterial Cellulose Membrane Containing $\beta$ -Carotene for Biomedical Dressing Applications	高雄科技大學	陳冠宇
0277	15:05~15:10	OC030	Exploring Doping Strategies for Enhancing Air Stability in Sulfur-Based Solid Electrolytes Using First-Principles Calculations Combined with Machine-Learning Potentials	國立成功大學	吳敬焱
0920	15:10~15:15	OC031	Analysis and Modification of Silicon-Carbon Composite Anode Material	國立台灣大學	王則茗
0006	15:15~15:20	OC032	Development of self-amplifying (saRNA) system for Combination Cancer Therapy	國立清華大學	Vy Anh Truong

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0467	14:00~14:05	OC033	Immobilization of Lanthanide Ions on a Dispersible Two-Dimensional Metal–Organic Framework for Photoluminescence Detection of D2O	國立成功大學	林子祺
0439	14:05~14:10	OC034	Utilizing Kinetic Isotope Effect and In-situ Surface-Enhanced Raman Spectroscopy in Furfural Hydrogenation and Hydrogenolysis Reaction	國立台灣大學	Yu-Shuo (Alicia) LEE
0924	14:10~14:15	OC035	Visible Light-Driven Photocatalytic Degradation of Organic Contaminants Using a Ternary Fe2O3/g-C3N4/NH2-MIL-125 Composite System	國立成功大學	莊煜民
0559	14:15~14:20	OC036	Catalytic NO oxidation to NO2 over Ru/MnO2 catalyst	國立臺灣大學	Yun-Rong Hsieh
0733	14:20~14:25	OC037	Advancements in perovskite photovoltaics and the superiority of perovskite solar cells for indoor energy harvesting	National Tsing Hua University	Ngoc Anh Tho Vo
0740	14:25~14:30	OC038	Mildly acidic all-manganese aqueous battery	國立台北科技大學	蔡承洋
0767	14:30~14:35	OC039	Plasma-engineered Metal-Organic Single-atom Nanocatalysts with Extreme Catalytic Reduction	National Taiwan University of Science and Technology	Chia-Hung Lin
0725	14:35~14:40	OC040	Enhancing Stem Cell Differentiation via Extrinsic Photobiomodulation and Topographic Cues	國立台灣科技大學	洪明婷
0367	14:40~14:45	OC041	Analysis of the Uniformity of Cake Resistance and Filtration Performance in Dynamic Microfiltration	中原大學	林宜蓁
0634	14:45~14:50	OC042	Synthesized Biotin-Silatrane using Click-Chemistry, For Applications in Biosensors	National Central University	PhanThi Ni Ni
0206	14:50~14:55	OC043	Develop proton exchange membranes with sulfonic acid groups synthesized from bacterial cellulose cultivated using different carbon sources	國立高雄科技大學	黃銘汶
0378	14:55~15:00	OC044	Design of GEM/CQ@NH2-MIL-88B(Fe)-PEG Metal-Organic Framework Nanoparticles for Combined Chemotherapy and Chemodynamic Therapy in Pancreatic Cancer	國立清華大學	李季
0395	15:00~15:05	OC045	Reactive Molecular Dynamics Study of Initial Stages of Silicate Network in the Context of Zeolite Formation	National Central University	Yun-Chen Hsu
0637	15:05~15:10	OC046	Fabrication of electrode materials and their applications in hybrid electrolyte lithium carbon dioxide batteries	Chang Gung University	Amna Sabir
0761	15:10~15:15	OC047	Molecular Potentials for Predicting Methane Adsorption in Metal-organic Frameworks: Evaluation and Modification	國立台灣大學	尤楚翔
0460	15:15~15:20	OC048	Design of Nanoporous RO Membranes for Simultaneous Removal of Boron and Salt	國立臺灣大學	黃鈺閔

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Paper No.	報告時間	報告編號	論文題目	學校	發表者
0097	14:00~14:05	OC049	Enhancing Water Splitting Efficiency with Ni-Cu Alloy/Carbon Felt Electrodes Fabricated in Additive-Containing Deep Eutectic Solvent Systems	國立中央大學	劉孟杰
0636	14:05~14:10	OC050	Genetic design of efficient cofactor-regenerating system for whole-cell conversion of lactate to acetoin in microbial cell factory	國立成功大學	許展翔
0617	14:10~14:15	OC051	Development of Label-Free OrmoComp® Plasmonic Chips for Real-Time Membrane Protein Detection and Ligand Binding	國立台灣大學	倪翊涵
0117	14:15~14:20	OC052	Synergistic multiferroic-piezoelectric composite for enhanced visible light driven photocatalysis and advanced energy applications	Yuan Ze University	RASHMIRANJAN PATRA
0643	14:20~14:25	OC053	An Innovative and High-Performance Moisture Electric Generation Device from Biomass-derived Materials	國立臺灣科技大學	陳郁惠
0155	14:25~14:30	OC054	Self-Activated Lithium Storage in Metal-Organic Framework Driven by Electrochemical Structural Transformation	國立台灣大學	楊竣硯
0259	14:30~14:35	OC055	Liquidus projections and miscibility gaps in the Sn-Bi-Cu-Te quaternary system	國立清華大學	黃新傑
0178	14:35~14:40	OC056	Stimulus-induced growth of autotrophic algae by pulsed electric field treatment	東海大學	簡玉涵
0256	14:40~14:45	OC057	To control the thermal conductivity of 3D-printed photoresin for bone phantoms	國立台灣科技大學	陳煥昇
0656	14:45~14:50	OC058	Efficient Synthesis of Manganese Phthalocyanine for the Oxygen Reduction Reaction	國立臺灣科技大學	沈蓉
0912	14:50~14:55	OC059	Alloying Electroplated Lithium on Copper Foil Through Liquid Phase Reaction	國立台灣大學	吳軒寧
0464	14:55~15:00	OC060	Revising The Flexible String Model of Bilayer Systems for Accurate Prediction of Their Thermotropic Phase Behaviors	國立成功大學	莊育霖
0676	15:00~15:05	OC061	Boosting Osmotic Energy Harvesting by Tri-layered Porous Structures with Ultrathin Light-Responsive Covalent-Organic Framework	國立台灣大學	彭昱翔
0380	15:05~15:10	OC062	A novel sandwich type SERS immunoassay for protein A detection: prolonged stability and storage period by using green synthetic	東海大學	楊宛臻
0698	15:10~15:15	OC063	Electrochemically Synthesized Pristine MOF as Counter Electrode for Dye-Sensitized Solar Cells	National Tsing Hua University	Sajjadu Krishna Sarin
0328	15:15~15:20	OC064	Effect of Rotating-Disk Structure on the Hydrodynamics of Dynamic Filtration by Computational Fluid Dynamics	中原大學	林冠宇

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0667	14:00~14:05	OC065	Vertical Carbon Nanoflakes Synthesized via Microwave Plasma-Enhanced CVD for Electric Double Layer Capacitor Electrodes	國立台灣科技大學	謝尚霖
0362	14:05~14:10	OC066	Effects of accelerators on physical and chemical properties of tricalcium silicate bioceramic powder	元智大學	陳治穎
0894	14:10~14:15	OC067	A Taxon-Robust BERT-assisted Mahalanobis Distance-based Mutation Score for Diverse Proteins	國立成功大學	何藝曦
0550	14:15~14:20	OC068	Insight into Oxygen Storage Capacity of MnO <sub>2</sub> using Temporal Analysis of Products (TAP) Methodology	國立臺灣大學	Chih-Hao Chen
0487	14:20~14:25	OC069	Significantly Improved Charge Selectivity, Ion Transport, and Osmotic Energy Generation through Antiswelling Hydrogels Confined within Nanoscale Structures	國立台灣大學	林宜絹
0529	14:25~14:30	OC070	Enhancing the BET Method for More Accurate Surface Area Determination of Porous Materials	國立中央大學	周正甯
0101	14:30~14:35	OC071	Surface modification of Li <sub>1.3</sub> Al <sub>0.3</sub> Ti <sub>1.7</sub> (PO <sub>4</sub> ) <sub>3</sub> solid electrolytes by polymethylsiloxane-based polymer for all-solid-state lithium batteries	中原大學	Kai Wen Liu
0750	14:35~14:40	OC072	A Self-Operating Ti <sub>3</sub> C <sub>2</sub> TX MXene-Based Electrokinetic Energy Generator	國立臺灣科技大學	張榮祐
0671	14:40~14:45	OC073	In-situ growth of MIL-160 on tubular $\alpha$ -alumina substrate for CO <sub>2</sub> /CH <sub>4</sub> separation	國立台灣大學	王翔榆
0419	14:45~14:50	OC074	Computational Study of Janus Co <sub>2</sub> CAB (A/B = F, O, OH, Cl) MXene for Spintronic Applications	國立中央大學	徐羽辰
0218	14:50~14:55	OC075	Synergistic Electromagnetic and Chemical Enhancement in 3D Hotspot-Activated Gold Nanorods/2D Nano Mica Platelets@ZnO Quantum Dots as Flexible Substrates for SERS Sensitive Detection of Helicobacter Pylori	國立臺灣科技大學	呂明璋
0534	14:55~15:00	OC076	XAS Investigation of Ru Single Atom Electrocatalysts on Titania for Water Splitting	國立台灣科技大學	張俊棋
0317	15:00~15:05	OC077	Anisotropic Ionic Transport in Polymer Solid Electrolyte	National Taiwan University	王煜祺
0346	15:05~15:10	OC078	Accelerating the Drying Process by Spherical Agglomeration: The Case of Benzoic Acid	National Central University	Rosyd Shidiq Hidayatulloh
0179	15:10~15:15	OC079	Mixotrophic cultivation of Chlamydomonas sp. for high-level lipid production	東海大學	莊佳恩
0287	15:15~15:20	OC080	Interfacial reactions in Co/GeTe and Ni/GeTe couples	國立清華大學	何承禧

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Paper No.	報告時間	報告編號	論文題目	學校	發表者
0563	14:00~14:05	OC081	Investigating the Transmembrane Protein Structure in Native Cell Membranes Using Cryo-EM	National Taiwan University	Tzu-tzu Liu
0165	14:05~14:10	OC082	Modeling salt adsorption in electrical double layer for capacitive deionization with mix-valent ions	國立清華大學	許皓鈞
0198	14:10~14:15	OC083	Reducing The Aggregation Of A $\beta$ -Cu In The Brain Using CQ@UiO-66(Ce)	國立台北科技大學	白文哲
0348	14:15~14:20	OC084	Identifying the particle fouling mechanisms during membrane filtration with the 3D Digital Twin model	國立台灣大學	許丞皓
0836	14:20~14:25	OC085	Exploring a Water-based Strategy for Improving Photoluminescence in a Perovskite-ZIF-8 Hybrid Material	National Taipei University of Technology	Andi Magattang Gafur Muchlis
0258	14:25~14:30	OC086	The Development of Bone Adhesive for Comminuted Fractures	國立台灣科技大學	陳朝駿
0782	14:30~14:35	OC087	Preparation of Flame-Retardant Gel Polymer Electrolytes from Self-Synthesized Phosphorus-Containing Polyurethane Acrylate Oligomers	國立成功大學	沈睿煥
0116	14:35~14:40	OC088	Exosome coated Iron Based Metal-Organic Frameworks (MIL-100(Fe)) for Keloid Scar Treatment	國立台灣大學	鄭翔祐
0929	14:40~14:45	OC089	Multifunctional Bacterial Cellulose Composites for Sustainable Packaging: Enhancing Antimicrobial, Hygroscopic, and Mechanical Properties	國立台灣大學	李承穎
0422	14:45~14:50	OC090	Utilizing Physically-Guided $\sigma$ -Profiles in Deep Learning Models: Toward Highly Accurate Prediction of Vapor-Liquid Equilibrium	國立台北科技大學	洪秀旻
0917	14:50~14:55	OC091	Modification and optimization of Nickel-rich Cathode for Li-ion Battery	國立台灣大學	呂祐誠
0359	14:55~15:00	OC092	Microwave-assisted synthesis of highly fluorescent carbon dots using folic acid	元智大學	郭芸甄
0429	15:00~15:05	OC093	Unveiling the potential of MoSe <sub>2</sub> for toxic gas sensing: Insights from DFT and NEGF calculations	國立台灣科技大學	紀思婕
0290	15:05~15:10	OC094	Synthesis of Whey Protein Amyloid Fibril-Based Hybrid Capsules Using Interfacial Coacervation for Drug Delivery	國立臺灣大學	賴宥任
0169	15:10~15:15	OC095	Extractive Distillation of Alcohol Dehydration using Deep Eutectic Solvent (DES): A Techno Economic and Energy Assessment	National Taipei University of Technology	Onjira Sopakayang
0414	15:15~15:20	OC096	Studying the Improvement of Photocatalytic Efficiency of Graphitic Carbon Nitride (g-C <sub>3</sub> N <sub>4</sub> ) through the Linking of Transition Metal Oxides	國立中央大學	陳玟伶