

時間: 11/09(六) 15:45~17:10

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
0533	15:45~15:50	OC097	Production and Characterization of Sustainable Bioplastic Films from Zein Protein Amyloid Fibrils	國立台灣大學	何梓菱
0088	15:50~15:55	OC098	Dynamic Optical Coherence Tomography for Monitoring Lung Cancer Spheroid Invasion	台大醫學院	江鈺崑
0279	15:55~16:00	OC099	Effects of Ceramic Surface Crystallinity and Functionalization on Li <sup>+</sup> Interfacial Transport within Composite Polymer Electrolyte for Lithium Ion Battery: A Molecular Dynamic Simulation Study	國立成功大學	林立嘉
0235	16:00~16:05	OC100	Methacrylated carboxymethyl cellulose/maleated collagen hydrogel-coated synthetic mesh to prevent internal adhesions	國立台灣大學	韓傑張
0930	16:05~16:10	OC101	Ruthenium-Doped g-C <sub>3</sub> N <sub>4</sub> Catalysts for Enhanced Photocatalytic Degradation of LDPE Films via Norrish Type I and II Pathways	National Taiwan University of Science and Technology	LELY AYU NINGSIH
0442	16:10~16:15	OC102	Designing Mo/Cr based MXenes for thermoelectric applications	國立中央大學	趙方慈
0919	16:15~16:20	OC103	Large-Area and Exceptional High-Current-Density Electroplated Lithium on Copper Foil with Superior Cycle Performance	國立臺灣大學	劉祐輝
0902	16:20~16:25	OC104	Synthesis of homogeneous BiSbTe thermoelectric materials by melt spinning solidification and spark plasma sintering	國立台灣大學	謝玉堃
0106	16:25~16:30	OC105	Retention Behaviors of Charged Ions in Reversed Phase Liquid Chromatography	國立台北科技大學	邱商保
0501	16:30~16:35	OC106	Modeling and Performance Prediction of CO <sub>2</sub> Absorbent Regeneration in a Rotating Packed Bed	國立臺灣科技大學	吳權坤
0187	16:35~16:40	OC107	Purification of Colon Cancer Cells Using Membrane Filtration Method via Modified Porous Polymeric Membranes	國立中央大學	洪聆鈞
0146	16:40~16:45	OC108	Investigation of the inhibition effects of calcium and zinc ions on the SARS-CoV-2 RNA dependent RNA polymerase	國立台北科技大學	陳思宏
0908	16:45~16:50	OC109	Revealing the Effect of Coating Materials and Electron Channels on Surface-Enhanced Raman Scattering via Numerical Simulations	國立成功大學	郭祐丞
0522	16:50~16:55	OC110	All-in-One Organic-Inorganic Photothermal Nanocomposites for Scalable and Efficient Solar-Driven Water and Energy Harvesting	National Taiwan University	Yi-Jui Yeh
0383	16:55~17:00	OC111	Carbon-Sequestering Thermoelectric Devices from Waste-Derived Biomimetic Spider Silk	國立臺灣大學	許志璋
0436	17:00~17:05	OC112	Electrochemical kinetics of Ni-rich NMC cathodes powder for Li-ion batteries	國立台灣科技大學	杜振豪

時間: 11/09(六) 15:45~17:10

地點:真知教學大樓R402

Paper No.	報告時間	報告編號	論文題目	學校	發表者
0347	15:45~15:50	OC113	Comparison of adhesive properties of mussel protein and barnacle protein nanoparticles at different rations using spray drying	國立台北科技大學	林俞辰
0722	15:50~15:55	OC114	Epigenetic Profiling in Acute Myeloid Leukemia Under Drug Treatment Using a Microfluidic System	國立臺灣科技大學	江彥成
0893	15:55~16:00	OC115	Scalable Silicon Oxycarbide Composite Fabrication as a Stable and High Performing Anode Material for Lithium-ion Batteries	國立台灣大學	Laurensius Yansen
0817	16:00~16:05	OC116	Adsorption-Absorption Hybrid Carbon Capture Process for Top Gas from Blast Furnace	國立清華大學	郭宇晉
0809	16:05~16:10	OC117	Controlling the Morphology and Structures of Composite Polyethersulfone (PES) Hollow Fiber Membranes for CO2 separation	國立臺灣科技大學	Qing-Yun Chou
0776	16:10~16:15	OC118	Gaseous Adsorption Database for Metal-Organic Frameworks Utilizing Flat Histogram Monte Carlo	國立臺灣大學	涂睿
0910	16:15~16:20	OC119	Development of Water-Resistant Metal-Organic Frameworks (MOFs) for Fabricating Efficient Mixed-Matrix Membranes for CO2 Capture	國立台灣大學	蔡捷仔
0502	16:20~16:25	OC120	Application of positively catanionic vesicle associated with chondroitin sulfate as a drug delivery system	國立成功大學	賴懷鈞
0327	16:25~16:30	OC121	Carboxylate Silatrane: Invented building block for the controlled silanization and surface functionalization	National Central University	Vu (武)Van-Truc (雲筑)
0921	16:30~16:35	OC122	Mitigating SEI from chemical pre-lithiation via active materials pre-coating for Li-ion battery Si anode materials	國立臺灣大學	簡正哲
0278	16:35~16:40	OC123	The Development of Antioxidant and Bioadhesive Dopamine-Modified Carboxymethyl Cellulose in Retinal Tissue Engineering	國立臺灣大學	張凱翔
0280	16:40~16:45	OC124	Pore Engineering of Metal-Organic Frameworks for High-Density and Accessible Copper Nanoparticles toward Electrochemical Nitrate Reduction to Ammonia	國立成功大學	沈承輝
0425	16:45~16:50	OC125	CRISPRa/i-regulated protein and lipid biosynthesis in Chlorella sorokiniana under varied carbon dioxide levels	國立成功大學	梁芮瑄
0415	16:50~16:55	OC126	Carbon-supported nano-dispersed metallic copper derived from carbonization of MOF-199 for electrocatalytic reduction	台灣科技大學	Min-Hua Huang
0331	16:55~17:00	OC127	Photodegradation of 4-chlorophenol in Aqueous Solution Using a Polyimide Covalent Organic Framework	國立中央大學	陳彥昶
0230	17:00~17:05	OC128	Development of microalgae cultivation system using micro-nanobubbles	國立高雄科技大學	許詠竣

時間: 11/09(六) 15:45~17:10

地點:真知教學大樓R405A

Paper No.	報告時間	報告編號	論文題目	學校	發表者
0703	15:45~15:50	OC129	An Innovative Subnano-in-Nano Architecture for Highly Selective Ion Transport and High-Performance Thermoelectric Power Generation	國立臺灣科技大學	Fery Prasetyo
0375	15:50~15:55	OC130	High Performance 2D Tin-based Perovskite Field-Effect Transistor with Porphyrin Like Additive Engineering	國立台灣大學	聶家洵
0825	15:55~16:00	OC131	Detection of Rheumatoid Arthritis via Cytokine Analysis Using Fluorescent Nanodiamond-Based Spin Enhanced Lateral Flow Immunoassay Platform	國立臺灣科技大學	羅珮瑜
0875	16:00~16:05	OC132	A Green Composite Film Combining Polylactic Acid and Biomass Waste for Radiative Cooling	國立成功大學	黃亭瑀
0309	16:05~16:10	OC133	Biofouling Resistance and Diabetic Wound Healing Rates of Charge-Biased Hydrogel Dressings	中原大學	馬振倫
0819	16:10~16:15	OC134	Plasma Universal Synthesis of Single Atom Catalysts for Effective Reduction of Nitroaromatic Compounds	National Taiwan University of Science and Technology	Tammy Laysandra
0683	16:15~16:20	OC135	Mechanically Robust and Ultrastable 2D-MOF/1D-Aramid Nanofiber Composite Membrane for Highly Efficient Osmotic Power Harvesting	國立臺灣科技大學	龍家安
0706	16:20~16:25	OC136	Pure Component Parameter Estimation for PC-SAFT EOS from Deep Neural Network with Molecular $\sigma$ -profiles	National Central University	Jia-Hao Chen
0727	16:25~16:30	OC137	Electrodeposited Mesoporous TiO <sub>2</sub> Thin Films and Their Application as the Scalable Electron Transport Layer for Perovskite Solar Modules	National Tsing Hua University	Ha-Phuong Ngo Thi
0440	16:30~16:35	OC138	Optimizing Wettability and Performance of Superhydrophobic Poly(vinylidene difluoride) Membranes via Vapor-Induced Phase Separation for Enhanced DCMD Applications	中原大學	陳廷璋
0674	16:35~16:40	OC139	Molecularly Imprinted Biosensor for Highly Selective and Sensitive Detection of Interleukin-6	國立台灣科技大學	Danang Tri Hartanto
0485	16:40~16:45	OC140	Atomistic Insights into Water Adsorption in Metal-Organic Framework	國立臺灣大學	Shiue-Min Shih
0528	16:45~16:50	OC141	Fe-doped Li-rich Li <sub>2</sub> Mn <sub>0.5</sub> Ni <sub>0.3</sub> Co <sub>0.1</sub> O <sub>3</sub> Cathode Material Synthesized Using Metal-Organic Framework for Lithium-Ion Battery	國立中央大學	陳榆
0263	16:50~16:55	OC142	Geopolymer-encapsulated graphene-supported cobalt phthalocyanine for the efficient and selective electrosynthesis of CO from the reduction of diluted CO <sub>2</sub>	National Cheng Kung University	Eunice De Guzman
0173	16:55~17:00	OC143	3D-Printing of Chitosan Hydrogel with Enhanced Efficiency by Applying Photothermal Effects	國立台灣科技大學	陳柏豪
0180	17:00~17:05	OC144	Fed-batch cultivation of Chlorella sorokiniana MB-1-M12 using dark fermentation effluent as substrate	東海大學	林聖詠

時間: 11/09(六) 15:45~17:10

地點:真知教學大樓R405B

Paper No.	報告時間	報告編號	論文題目	學校	發表者
0743	15:45~15:50	OC145	SERS on 2D Materials (MXene)	淡江大學	劉育騰
0811	15:50~15:55	OC146	Enhanced CO <sub>2</sub> /N <sub>2</sub> separation using amino-functionalized carbon quantum dots in PES-PDMS tri-bore hollow fiber composite membranes	國立臺灣科技大學	周璟瀚
0861	15:55~16:00	OC147	Rapid Microwave Assisted Synthesis of Purplish-Blue Carbon Dots	元智大學	Archana Jayaraman
0182	16:00~16:05	OC148	Enhancing anti-inflammation treatment with a novel MOF-fucoidan composite (MIL-100(Fe)@fucoidan)	國立成功大學	陳曉萱
0484	16:05~16:10	OC149	Catalytic conversion of plastic to single-walled carbon nanotubes (SWCNTs) over Fe/Mg/Al layered double hydroxide (Fe/Mg/Al LDH)	國立臺灣大學	張侑嘉
0384	16:10~16:15	OC150	Ta-based ESD Thin Film Deposition	元智大學	簡郁庭
0413	16:15~16:20	OC151	Defects Engineering in Graphitic Carbon Nitride for Hydrogen Evolution	國立臺灣科技大學	徐子容
0315	16:20~16:25	OC152	Hydrodynamic Methods to Enhance Membrane Microfiltration of Inorganic Particles in Seawater	中原大學	陳妍廷
0505	16:25~16:30	OC153	Suppression of the Coffee Ring Effect in Inkjet Printed Polymer Thin Films	National Taiwan University	Ching-Tai Kuo
0790	16:30~16:35	OC154	Shining a Light on Osmotic Energy: Innovating Power Generation with Light-Responsive Covalent Organic Frameworks	國立臺灣科技大學	李雅淳
0435	16:35~16:40	OC155	A Comprehensive Investigation of Entropy Changes in Thermogalvanic Co-solvent Systems	國立臺灣大學	許靖韻
0595	16:40~16:45	OC156	Bimetallic Prussian Blue Analogue as an Efficient Electrocatalyst for High Value-added 2e- ORR/Zn Flow Battery	國立臺灣科技大學	Sofiannisa Aulia
0773	16:45~16:50	OC157	Dual-Anchoring Arylamine-Based Self-Assembled Monolayers as Hole-Selective Contacts for Inverted Perovskite Solar Cells	National Tsing Hua University	Farghally Abdelraheem Sayed
0243	16:50~16:55	OC158	Improving Stability in Anode-Free Lithium-Metal Batteries Using LiNO <sub>3</sub> and Breath Figure Technique	中原大學	王凱信
0190	16:55~17:00	OC159	Scale-up of cultivate genetically modified Kluyveromyces marxianus fermentation from a shaking flask to fermentor for high-value astaxanthin production	東海大學	林祐辰
0451	17:00~17:05	OC160	Microplasma-Enabled Synthesis of Nanohybrids as Surface Enhanced Raman Scattering (SERS) Biosensor for Alzheimer's Disease Biomarker	國立台灣科技大學	邱燕凌

時間: 11/09(六) 15:45~17:10

地點:真知教學大樓R415A

Paper No.	報告時間	報告編號	論文題目	學校	發表者
0289	15:45~15:50	OC161	Biodegradable Wheat Glutenin Amyloid Fibrils-based Novel Bioplastic with Enhanced Properties and Applications	國立臺灣大學	林家妤
0244	15:50~15:55	OC162	Enhancing Stability in Anode-Free Lithium Metal Batteries: Silver Nanoparticle Coatings on Copper Current Collectors	中原大學	劉宣志
0862	15:55~16:00	OC163	Impact of Zinc Doping on the Structural and Hyperthermia Application of CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles	元智大學	Bintang Surya Bhakti
0777	16:00~16:05	OC164	DFT Insights into CO <sub>2</sub> Capture Mechanisms and Kinetics in Diamine-Appended Grafted Mg <sub>2</sub> (dobpc) Metal-Organic Frameworks	台灣科技大學	蘇茂勝
0603	16:05~16:10	OC165	Surface Modification of Cu Electrode with Metallo-Supramolecular Polymer for Electrocatalytic Reduction of Furfural	國立台灣大學	何恩琪
0927	16:10~16:15	OC166	Versatile Self-Assembled Coronene Nanofiber Arrays: A Multi-Purpose Platform for Integrated Organic Bioelectronics	National Taiwan University	edgar daniel quinones
0509	16:15~16:20	OC167	A Novel Free-Standing Covalent-Organic Framework Membrane Synthesized by the Mechanochemical Method for Efficient Osmotic Energy Conversion	國立臺灣科技大學	簡詩紘
0483	16:20~16:25	OC168	Decipher tri-synergistic regulation among TX-TL-FD for harsh protein expression in engineered Escherichia coli	國立成功大學	項傳傑
0168	16:25~16:30	OC169	Green and Facile Synthesize of Copper-Based Metal-Organic Frameworks for The Efficient Removal of Basic Red 9 from Aqueous Solution	國立臺北科技大學	Farah Meutia Lubis
0670	16:30~16:35	OC170	Ultra-Sensitive Detection of Bovine Serum Albumin Using a Polyaniline-Based Molecularly Imprinted Electrochemical Sensor for Food Safety Applications	國立臺灣科技大學	邱馳育
0794	16:35~16:40	OC171	From CoNiCuMoPt HEA NPs to CuMoPt NPs: An Effective Strategy Tuning HER Catalytic Activity with Atomic Resolution	國立清華大學	Yi Chen
0473	16:40~16:45	OC172	Physics Informed QSAR for Amines pKa in CO <sub>2</sub> Absorption	國立清華大學	吳東峻
0708	16:45~16:50	OC173	Investigation of Hair and Feather Keratin Ratio in Polycaprolactone-Based Electrospun Nanofiber Membranes and Their Dye Adsorption Capability	國立台北科技大學	林瞳
0873	16:50~16:55	OC174	Unlocking the Potential of Lithium-Ion Capacitors: Enhancing Performance in Room and High-Temperature Environments with LiBF <sub>4</sub> and THP-Based Electrolytes	國立成功大學	胡清宇
0718	16:55~17:00	OC175	Low-Temperature Methanolysis of Polylactic Acid over Calcium Methoxide	國立臺灣大學	Caresse Tjuatja
0496	17:00~17:05	OC176	Development of Gas-liquid Effective Area Correlation in Rotating Packed Beds	國立台灣科技大學	JIA TEAN DING

時間: 11/09(六) 15:45~17:10

地點:真知教學大樓R415B

Paper No.	報告時間	報告編號	論文題目	學校	發表者
0112	15:45~15:50	OC177	Iron-Based Metal–Organic Framework MIL-100(Fe) Regulates Fibrosis in Keloid Scarring	國立台灣大學	Po-Hsiu Cheng
0664	15:50~15:55	OC178	Crystal Orientation Control in MIL-178 Membranes for Enhanced Osmotic Power Generation	國立臺灣大學	莊佳惠
0680	15:55~16:00	OC179	Analysis of Molecular Recognition Mechanism Using Whelk-O1 Adsorbent	國立臺北科技大學	王珮亘
0400	16:00~16:05	OC180	Interactions Between Hyaluronic Acids and Ion Pair Amphiphile Bilayers: A Molecular Dynamic Simulation Study	國立成功大學	賴怡廷
0654	16:05~16:10	OC181	Enhancing Electron Extraction in Thylakoid-Based Anodes through the Integration of PCBM as an Electron Transport Layer	國立台灣大學	楊沛庭
0231	16:10~16:15	OC182	Optimizing the Production of 2,5-Furandicarboxylic Acid (FDCA) from Biomass: Enhancing Reactions Using Oxygen and Deep Eutectic Solvents	國立中央大學	趙牧生
0596	16:15~16:20	OC183	Synthesis of Precious Metal Phthalocyanines via Electrochemical Reduction Method for Value-Added Anode Products Ethylene Glycol Oxidation Reaction	National Taiwan University of Science and Technology	WEI-SHENG LIAO
0163	16:20~16:25	OC184	Proposing N-(hydroxyethyl)maleimide Modified Au Electrode for Detection of Urinary Albumin	國立成功大學	施宇恩
0316	16:25~16:30	OC185	Fabrication of a collagen-based hydrogel for bone regeneration	國立臺灣大學	陳柏勳
0449	16:30~16:35	OC186	Enhancing Surface Proton Density with Sulfonate-Functionalized Metal–Organic Framework to Facilitate Electrochemical Nitrate Reduction to Ammonia	國立成功大學	蔡昀珊
0193	16:35~16:40	OC187	Enhanced Intracellular miR-21 Suppression via Partially Phosphate-methylated DNA Oligonucleic Acid Using Mesoporous Silica Nanoparticles	國立中央大學	林君逸
0697	16:40~16:45	OC188	Development of Digital Light Processing 3D Printing Technology for TiO <sub>2</sub> Adsorption/Photocatalytic Reactors and Optimization of Reactor Structure	國立宜蘭大學	張傑勝
0720	16:45~16:50	OC189	Electrochemical Reduction of Furfural over Copper-Nitrogen-Carbon Catalyst	國立臺灣大學	Shan-Ni Lin
0772	16:50~16:55	OC190	Efficient Extraction of SiO <sub>2</sub> and Lignin from Rice Husk Using Deep Eutectic Solvent and Subsequent Depolymerization of Rice Husk Extracted-Lignin with Ni-Zn/RH-SiO <sub>2</sub> Catalyst	National Taiwan University	Viet-Phuong Bui
0649	16:55~17:00	OC191	An Ultrahigh Performance Moist-Electric Generator Enabled by Porous Hygroscopic Structure Combined and Ion-Conductive Hydrogel	國立臺灣科技大學	蕭宇辰
0369	17:00~17:05	OC192	The Study of Nanozyme Effects on Microwave-Assisted Synthesized Iron Oxide Powder	元智大學	林宜宣