

高分子物理與光電及能源應用 (E-A1)

Jan. 8 / 13:30-15:15

R211, 2F

發表時間	發表者	發表題目
E-A1-01 13:30-13:38	鍾佳歡 國立臺灣科技大學	Optimization of Epoxy-Based Solid-State Polymer Electrolyte for Stable and High-Performance LiFePO ₄ Batteries
E-A1-02 13:38-13:46	蘇倬瑜 國立清華大學	Architecture Effect on Network Phase Formation from Controlled Self-Assembly of High- χ Block Copolymers
E-A1-03 13:46-13:54	陳佳好 國立雲林科技大學	Stretchable Conducting Polymer Electrodes for Micro-Supercapacitors
E-A1-04 13:54-14:02	陳品翰 國立中山大學	Multifunctional Gel-polymer Electrolyte Constructed by In-situ Framework of Copper-based Porous Organic Polymer for Lithium-sulfur Batteries
E-A1-05 14:02-14:10	林桓緯 國立陽明交通大學	In-situ Polymerized Multi-responsive Ionogels with Dual Mechanical and Ionic Reinforcement toward Intelligent Interfaces
E-A1-06 14:10-14:18	白瑩禧 國立臺灣大學	A Multifunctional Donor-Acceptor Conjugated Polymer Integrating Electrochromism, Electrofluorochromism, and Energy Storage for Smart Window Applications
E-A1-07 14:25-14:33	Guan-Lin Chen National Taiwan University	Doped Conjugated Polymers for Direct Short-Wave Infrared Photothermoelectric Devices and Detection
E-A1-08 14:33-14:41	陳奕涵 國立臺灣科技大學	Cu/Ag Bimetallic MOFs Embedded Polymer Electret for Organic Field-Effect Transistor Memory
E-A1-09 14:41-14:49	Tapomay Mondal National Sun Yat-sen University	Synergistic Transition-Metal Coordination within Pyrene and Phenanthroline Tethered Conjugated Microporous Polymer for Boosting Hydrogen Evolution Reaction in Alkaline Media
E-A1-10 14:49-14:57	Poonam Singh National Sun Yat-sen University	Nitrogen- and Sulfur-Rich Microporous Carbons Derived from Conjugated Microporous Polymers for Supercapacitor Energy Storage, and Electrochemical Hydrogen Production
E-A1-11 14:57-15:05	林芃儀 國立臺灣大學	Rational Design of Polyelectrochromic Triarylamine-Based Polyamides for Comparative Electrochromic Supercapacitor and Heat-Shielding Behaviors

高分子物理與光電及能源應用 (E-A2)

Jan. 8 / 15:40-17:40

R211, 2F

發表時間	發表者	發表題目
E-A2-01 15:40-15:48	吳亞璇 國立臺灣大學	Engineering Donor-Acceptor Self-Assembled Monolayer for Fermi Level Tuning toward High-Efficacy Photosynaptic Transistor
E-A2-02 15:48-15:56	林泓安 國立臺灣科技大學	Electrical Double-Layer Transistors Comprising Block Copolymer Electrolytes for Low-Power-Consumption Photodetectors
E-A2-03 15:56-16:04	李美麗 國立陽明交通大學	Multifunctional Solid Polymer Electrolytes with Self-Healing, Photo-Responsive, and pH-Responsive Properties Based on Azobenzene-Functionalized Ionic Liquids
E-A2-04 16:04-16:12	Hsien-Hung Hsieh National Taiwan University of Science and Technology	Advanced pH-Universal Water Splitting for Hydrogen Production: Highly Efficient and Stable Electrocatalysis Using Robust P-N Heterojunction Polymer
E-A2-05 16:12-16:20	邵俞仁 國立臺灣大學/ 日本北海道大學	Modulating Photoluminescence Behaviors of Nonconventional Luminescent Polyesters via Alternating Monomer Sequence Engineering
E-A2-06 16:20-16:28	邱亮耘 國立成功大學	Physical Gelation and Phase Separation of PNIPAM in Water/DMF Cosolvent
E-A2-07 16:35-16:43	張懷哲 國立臺灣科技大學	Constructing Ag/TiO ₂ -PDMS mixed matrix membrane for simultaneous CO ₂ purification and photocatalytic reduction
E-A2-08 16:43-16:51	葉柏辰 國立中山大學	Engineering redox-active benzo[1,2-b:4,5-b']dithiophene-based conjugated polymers: tuning porosity and linker architecture for high-performance supercapacitors
E-A2-09 16:51-16:59	盧昱璇 國立清華大學	Preparation of Semi-Interpenetrating Solid Polymer Electrolyte for Lithium Ion Batteries with Enhanced Cycling Stability
E-A2-10 16:59-17:07	陳品嘉 國立清華大學	Discovery of Primitive Phase from Self-Assembly of Chiral Triblock Terpolymer
E-A2-11 17:07-17:15	楊礎優 國立中山大學	Hollowed Double Gyroid and Double Diamond Structures by Engineering Precursors Association through Solvency
E-A2-12 17:15-17:23	Kai-Yu Wu National Central University	Photocatalytic Properties of Polyimide Covalent Organic Frameworks (COF-PM)

高分子物理與光電及能源應用 (E-A3)

Jan. 9 / 09:00-10:15

R211, 2F

發表時間	發表者	發表題目
E-A3-01 09:00-09:08	鍾兆晏 國立清華大學	Development of Non-conjugated Pendant Polymers with Through-Space Conjugation for Enhanced Photocatalytic Hydrogen Production
E-A3-02 09:08-09:16	王永丞 元智大學	Synthesis, self-assembly, and fluorescence sensing properties of tetraphenylethylene-based AIE-active conjugated polymers toward nitroaromatic compounds
E-A3-03 09:16-09:24	董亦軒 國立成功大學	In-Depth Porosity and Geometry Corrections of Organic Electrochemical Transistors Using Neutron Reflectometry
E-A3-04 09:24-09:32	Nebiyu Chali Yadet National Taiwan University of Science and Technology	Recycling of human hair and fur to fabricate Keratin-Chitosan aerogel-based TENG device for energy harvesting application
E-A3-05 09:32-09:40	葉丞祐 國立臺灣大學	Eco-Friendly Solvent-Driven Exciton Delocalization and Dual Dissociation Pathways Enable High-Efficiency Inverted All-Polymer Solar Cells
E-A3-06 09:40-09:48	汪廷宇 國立臺灣大學	Investigating the Mobility and Packing Structure of N-type Fluoranthene Imide based Semiconductor in Solution-Processed Thin Film
E-A3-07 09:48-09:56	李元方 國立臺灣大學	From Explainable Modeling to Predictive Validation: Evaluating AI Performance on Emerging Organic Solar Cell Materials
E-A3-08 09:56-10:04	Ahmed F. H. selim National Tsing Hua University	Design of Donor-Acceptor-Type Conjugated Microporous Polymers for Enhanced Photocatalytic Production of Hydrogen and Hydrogen Peroxide
E-A3-09 10:04-10:12	周紀騰 國立臺灣師範大學	olymer Electret Embedded with Zig-Zag Folded 2D $[Zn(6mn)_2]_n$ for Nonvolatile Transistor Memory
E-A3-10 10:12-10:20	Syeda Najaf Zahra National Sun Yat-sen University	Fe, N co-doped porous carbon derived from conjugated microporous polymer as an electrocatalytic platform for Supercapacitor and CO ₂ Capture

高分子物理與光電及能源應用 (E-A4)

Jan. 9 / 10:40-11:55

R211, 2F

發表時間	發表者	發表題目
E-A4-01 10:40-10:48	郭仲瑜 國立成功大學	Improving Electro-Optical Properties of Cholesteric Liquid Crystal by Doping DMOAP Modified Polymeric Particles
E-A4-02 10:48-10:56	楊舒婷 國立中山大學	In-situ growth of crown ether functionalized POPs@SiO ₂ core-shell structure as advanced gel-polymer electrolytes
E-A4-03 10:56-11:04	Abdul Basit National Sun Yat-sen University	Synergistic Engineering of Anthracene and Thiazolo[5,4-d] Thiazole-Based Donor-Acceptor Conjugated Microporous Polymers with Heteroatom Adoption for Enhanced Energy Storage Capacity
E-A4-04 11:04-11:12	洪瑞成 國立中央大學	Exploring the Nanoscale Buckling Deformation and Mechanical Properties of Lamellae-Forming Copolymer
E-A4-05 11:12-11:20	郭簡璋 國立臺灣科技大學	Optimization Design of PVDF-HFP Microporous Membrane Gel Electrolytes at the Electrode Interface
E-A4-06 11:20-11:28	蘇子晏 國立中山大學	Polymer Template 3D Reconstruction via Cryo-FIB-SEM Slice-and-View Tomography
E-A4-07 11:28-11:36	Yu-Hsiang Peng National Taiwan University of Science and Technology/ National Taiwan University	Pore-Gradient Azo-COFs as Polymer-Based Platforms for High-Efficiency Blue Energy Harvesting
E-A4-08 11:36-11:44	彭鈺棋 國立臺灣大學	Enhancing the Thermoelectric Performance of Flexible Ag ₂ Se Substrates via Polyelectrolyte Heterojunction Engineering
E-A4-09 11:44-11:52	余滄 國立臺灣科技大學	Spinodal Decomposition Phase Separation of Polymer Blends in Presence of Interfacial-active Nanoparticles
E-A4-10 11:52-12:00	林奎仲 國立清華大學	Development of a Protocol for Predicting Charge Carrier Mobility in Amorphous Polymers via Multiscale Simulation
E-A4-11 12:00-12:08	李念容 國立臺灣科技大學	Photo-Assisted Tunneling in OFET Memory via Exciton Dissociation of Organic Semiconductors

高分子複合與混成材料 (E-B1)

Jan. 8 / 13:30-15:15

R212, 2F

發表時間	發表者	發表題目
E-B1-01 13:30-13:38	林彤媛 國立中山大學	Correlation between Hard-Segment Rigidity and Crown Ether Conformation on Lithium Ion Mobility in Polyurethane Electrolytes
E-B1-02 13:38-13:46	黃偉銘 國立中山大學	Dynamic Disulfide Bond-Assisted Reworkable High-Thermal-Conductivity Epoxy TIM Enabled by Synergistic CNT-S/AlN/Low-Melting Alloy Network
E-B1-03 13:46-13:54	Xiang-Ren Chen National Taiwan University	Tailoring MXene/Conjugated Polyelectrolyte Interfaces via Electrostatic Interactions for Thermoelectric Applications
E-B1-04 13:54-14:02	游詠翔 國立成功大學	Fabrication of High-Performance Cholesteric Liquid Crystal Optical Device with a BINOL-Derived Chiral Dopant
E-B1-05 14:02-14:10	孫國元 中原大學	TAEA Synthesis of Nitrogen-Doped Carbon Quantum Dots for Nanofiltration Membrane Preparation
E-B1-06 14:10-14:18	Yumna Majeed National Cheng Kung University	Effect of doping newly synthesized supramolecular inclusion complex on the display properties of cholesteric liquid crystal
E-B1-07 14:25-14:33	阮婕筠 國立中興大學	Durable and Lubricant-Free Antifouling Coatings Enabled by Hydrophobic Nanoparticle Anchoring in a Crosslinked Surfactant Matrix
E-B1-08 14:33-14:41	張恩博 中原大學	The Preparation and Dehydration of Isopropanol Mixtures Through PVA/Amine-Functionalized ZIF-8 Mixed Matrix Membranes
E-B1-09 14:41-14:49	龔廷恩 國立成功大學	Incorporating liquid metal (LM) in deep eutectic solvents (DES) to prepare 3D printable, electric conductive polymer gels
E-B1-10 14:49-14:57	王玉灝 國立臺北科技大學	Molecular Carrier-Assisted Self-Assembly of st-PMMA Helical Complexes for Fluorescence Sensing of Nitroaromatics in Aqueous Medium
E-B1-11 14:57-15:05	蘇姮瑄 國立陽明交通大學	Development of Smart Films Combining Self-Healing with Dual-Responsive Photo- and Acido-Chromism

高分子複合與混成材料 (E-B2)

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R212, 2F

發表時間	發表者	發表題目
E-B2-01 15:40-15:48	殷可忻 國立清華大學	Nanohybrids as Mechanical Metamaterials from Templated Synthesis using Network-Structured Block Copolymer
E-B2-02 15:48-15:56	李基村 中原大學	Fabrication of thin-film composite nanofiltration membrane through vacuum-assisted interfacial polymerization
E-B2-03 15:56-16:04	王俊叡 國立成功大學	3D Printing of Mesoporous Polymer Composites Enabled by Flash-Freezing
E-B2-04 16:04-16:12	沈紫葳 國立清華大學	Synthesis and Stereochemical Control of Poly(glycerol maleate-co-fumarate) for the Formation of Biodegradable Thermoset Films
E-B2-05 16:12-16:20	江國豪 國立成功大學	π - π Interaction-Driven Selective Dispersion of Semiconducting Single-Walled Carbon Nanotubes by Polythiophenes for High-Performance Organic Electrochemical Transistors
E-B2-06 16:20-16:28	程楚仁 國立臺灣大學/名古屋大學/ 中央研究院	Solvent Evaporation Induced Micelle Assembly for Continuous Mesoporous Amorphous Metal-Organic Framework Films
E-B2-07 16:35-16:43	張銘軒 國立陽明交通大學	Photoalignment-Mechanical Coupled Azopolymer System for Moiré-Encoded and Stretching-Reconfigurable Anti-Counterfeiting
E-B2-08 16:43-16:51	李冠穎 國立臺北科技大學	Keratin Nanoparticle-Fiber Composite Membranes: A Methodological Framework Linking Processing, Morphology, Interfaces, and Thermal Transport
E-B2-09 16:51-16:59	王愷揚 國立臺灣科技大學	Charge-Controlled Dispersion of Cellulose Nanocrystals in Cationic Waterborne Polyurethane for Stable Emulsions and High-Strength Nanocomposites
E-B2-10 16:59-17:07	林宥彤 國立清華大學	A Versatile and Robust Antifogging Strategy for Long-lasting Functionality Under Extreme Environmental Conditions
E-B2-11 17:07-17:15	黃致翔 中原大學	Enhancing Monovalent/Divalent Salt Selectivity of Nanofiltration Membranes via SA-O-MoS ₂ Modification under Tuned Fabrication Parameters

高分子複合與混成材料 (E-B3)

Jan. 9 / 09:00-10:15

R212, 2F

發表時間	發表者	發表題目
E-B3-01 09:00-09:08	黃偉祐 國立台北科技大學	Deciphering the Roles of Stereoregularity in the Helical Assembly of Syndiotactic PMMA Complexes
E-B3-02 09:08-09:16	邱玉君 國立中山大學	Highly Thermal Stable and Miscible CO ₂ -Based Block Copolymers by the Combination of Ring-Opening and RAFT Polymerizations through Mediated Hydrogen Bonding Interactions
E-B3-03 09:16-09:24	楊愷翔 國立成功大學	Development of a Solvent-Assisted Liquid Crystal Elastomer with Self-Healing and Shape-Memory Functions
E-B3-04 09:24-09:32	尤涵憶 國立台北科技大學	Enhancing the Wet Adhesion of Keratin Nanoparticles via Incorporation of Mussel-Derived Adhesive Proteins
E-B3-05 09:32-09:40	羅彥閔 國立中山大學	Investigation of Hydrogen-Bonding Interactions and Self-Assembly Behavior in PEO-PCHC-POSS Copolymers/ Phenolic Resin Blends
E-B3-06 09:40-09:48	汪旻嫻 國立成功大學	Study of Asymmetric Liquid Crystal Elastomers for Bio-Inspired Actuators
E-B3-07 09:48-09:56	連韋帆 國立中山大學	Synthesis of PEO-co-PS-ran-BZ Block Copolymers via RAFT Polymerization and Investigation of Microphase-Separated Structures
E-B3-08 09:56-10:04	林弘舜 國立中山大學	Triblock Copolymer Template-Dominated Co-assembly and Microphase Separation in DDSQ-Containing Phenol Formaldehyde Resins
E-B3-09 10:04-10:12	林彥廷 國立成功大學	Reconfigurable and Self-Healing Liquid Crystal Elastomers via Dynamic Boronic Ester Bonding

高分子複合與混成材料 (E-B4)

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發表時間	發表者	發表題目
E-B4-01 10:40-10:48	江凱婷 國立臺灣科技大學	Electrospinning PI/Cu(HBTC)-1 Composite for Solid-State Lithium Batteries
E-B4-02 10:48-10:56	陳柏棠 國立中山大學	Multilayer Hydrogel Extrusion using 3D printed Microfluidic Modules
E-B4-03 10:56-11:04	吳向喆 中原大學	Enhanced Oil-Water Separation Performance of Cellulose Acetate Tubular Membranes via Incorporation of Etched Graphene Oxide

高分子複合與混成材料 (E-B4)

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發表時間	發表者	發表題目
E-B4-04 11:04-11:12	羅妍安 國立陽明交通大學	Multi-Responsive Films Based on Photoisomerization of Azopolymers for Anti-Counterfeiting Applications
E-B4-05 11:12-11:20	余旻綦 國立中山大學	Effect of Side Chain Length on the Miscibility and Hydrogen Bonding Interactions of CO ₂ -based Copolymers Blending with Poly(vinyl phenol)
E-B4-06 11:20-11:28	曾啟鈞 國立陽明交通大學	Selenium-Incorporated Polymerized Nonfullerene Acceptors/SWCNT Composites with Polymer-Assisted n-Doping for High-Performance Organic Thermoelectrics
E-B4-07 11:28-11:36	Sugianto National Taiwan University of Science and Technology	Incorporated Nitrogen-rich and Ultramicropores of Polyaminals in Pebax-MH1657 for gas separation
E-B4-08 11:36-11:44	張書琴 國立中山大學	Tuning Optical Reflection of Polymer Photonic Crystals via LiCl-Induced Swelling and Thermally Induced Porosity
E-B4-09 11:44-11:52	張和庭 國立成功大學	Synthesis of a BINOL Derivative as a Chiral Dopant For Structural Color Modulation
E-B4-10 11:52-12:00	張峻璋 朝陽科技大學	Carrot Residue Cellulose Nanofiber/Carbon Nanotube Composites for Conductive Paper Applications

高分子化學與綠色及生醫應用 (E-C1)

Jan. 8 / 13:30-15:15

R221, 2F

發表時間	發表者	發表題目
E-C1-01 13:30-13:38	馬滋翎 國立臺灣大學	Design of Metalated Porphyrin-Pyrene-Based Porous Organic Polymers Hybrids with Carbon Nanotube for Enhanced Thermoelectric Performance
E-C1-02 13:38-13:46	Van-Sieu Luc National Yang Ming Chiao Tung University/ Academia Sinica/Taiwan International Graduate Program	Red-Light-Induced PET-RAFT Polymerization to Afford (Meth)acrylamide-based Poly(N-oxide) and Other Hydrophilic Polymers Under Ambient Conditions
E-C1-03 13:46-13:54	劉瑜 國立臺灣大學	Design and Characterization of Low-Dielectric Polyimides with Ultralow Dissipation Factor and Hygroscopicity via Steric and Functional Group Modulation
E-C1-04 13:54-14:02	蔡芸玫 國立中興大學	Development of Block and AIE-Type Polyamide Polymers via Ugi One-Pot Synthesis Strategy and Investigation of Fluorescence Behavior

高分子化學與綠色及生醫應用 (E-C1)

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發表時間	發表者	發表題目
E-C1-05 14:02-14:10	洪嘉泓 中原大學	Heat-Resistant Zwitterionic Membranes with Sustained Antifouling Performance Prepared via Vapor-Induced Phase Separation
E-C1-06 14:10-14:18	呂明璋 國立臺灣科技大學	Programmable Amphiphilic Polymer-Engineered Dynamic Surface-Enhanced Raman Scattering Platform for Artificial Intelligence-Assisted Identification of Helicobacter pylori
E-C1-07 14:25-14:33	洪秀逸 國立臺灣大學/ 國立臺灣科技大學	Development of Recyclable Polyurethane/Silica Thermosets via Waste Polymer Aminolysis
E-C1-08 14:33-14:41	劉士宏 中原大學	Development of green zwitterionic bicontinuous membranes using a dual-bath fabrication method for enhanced bacterial removal and biofouling resistance in water treatment
E-C1-09 14:41-14:49	歐妍佳 國立臺北科技大學	Concentration-Dependent Structural Transitions of Protein-Polyphenol Complexes and Their Impact on Interfacial Friction Behavior
E-C1-10 14:49-14:57	孟志尚 國立臺北科技大學	Enabling Chitosan-based Hydrogel for Futuristic Multi-properties Wound Dressing
E-C1-11 14:57-15:05	成凱 The University of Osaka, Japan	Recyclable and Biodegradable Poly(ϵ -caprolactone)-Based Elastomer with Enhanced Strength and Toughness by Mismatched Rigid-Flexible Supramolecular Segment Synergy

高分子化學與綠色及生醫應用 (E-C2)

Jan. 8 / 15:40-17:40

R221, 2F

發表時間	發表者	發表題目
E-C2-01 15:40-15:48	洪士荃 國立中山大學	Optimizing the dye adsorption and visible-light photocatalytic performance of azo/sulfone copolymer-based microporous polymers via functional group modulation
E-C2-02 15:48-15:56	甘宇哲 國立成功大學	Semiconducting Carbon Nanotube Sorting with Architecture-Engineered N-Type Conjugated Block Copolymers for Field-Effect Transistor and Photomemory Applications
E-C2-03 15:56-16:04	廖漢霖 中原大學	Direct Integration of Zwitterionic Copolymers for Bi-Continuous Morphology and Enhanced Fouling Resistance in PVDF Membranes

高分子化學與綠色及生醫應用 (E-C2)

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發表時間	發表者	發表題目
E-C2-04 16:04-16:12	蕭勝中 中原大學	Gravity-Assisted Separation of Drug Enantiomers from Emulsions Using Superhydrophobic SiO ₂ /PVDF Composite Membranes
E-C2-05 16:12-16:20	黎玉揚 國立中央大學	Structure-Property Relationships in Dynamic Disulfide-Based Cross-Linkers for Tough, Self-healing and Recyclable Acrylic Elastomers
E-C2-06 16:20-16:28	孫立學 國立臺灣大學	Topology Engineered Hyperbranched Triphenylamine-based Polyamides for High-Durability Dual-Function Electrochromic and Energy Storage
E-C2-07 16:35-16:43	黃心妮 國立清華大學	Side-chain modulation of conjugated polymers enables solar plastic upcycling: From designer polymers to plastic waste photoreforming
E-C2-08 16:43-16:51	Gianna Fadhilah National Taipei University of Technology	Smart Hydrogel Wound Dressing for Alkaline-Responsive Controlled Release and Visual Monitoring in Diabetic Foot Ulcers
E-C2-09 16:51-16:59	林霽 國立陽明交通大學	Stretchable and Wearable Electronics Enabled by MXene-PVA Films via Layer-by-layer Assembly for Integrated UV, Thermal, and Mechanical Sensing
E-C2-10 16:59-17:07	黃允俞 國立成功大學	Visible light-driven RAFT miniemulsion polymerization mediated by hydrophobic deep eutectic solvents
E-C2-11 17:07-17:15	林方程 中原大學	Evaluation of Zwitterionic-Based Membranes for Forward Osmosis of Platelets in Plasma

高分子化學與綠色及生醫應用 (E-C3)

Jan. 9 / 09:00-10:15

R221, 2F

發表時間	發表者	發表題目
E-C3-01 09:00-09:08	李欣容 中原大學	Dopamine-Assisted Zwitterionic Surface Modification for Multifunctional Antifouling Glass Interfaces
E-C3-02 09:08-09:16	洪寶蓮 國立臺灣科技大學	Antibacterial Evaluation of Photoresponsive Silver-Based Supramolecular Polymers
E-C3-03 09:16-09:24	劉孟亭 國立成功大學	Construction of 3D Neural Tissue via Layer-by-Layer Coating and Hydrogel Support

高分子化學與綠色及生醫應用 (E-C3)

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R221, 2F

發表時間	發表者	發表題目
E-C3-04 09:24-09:32	陳珮茹 國立臺灣科技大學	Synthesis and Characterization of the Homopolymers Containing Carbazolevinylens and Dibenzothiophenevinylens by Ring-Opening Metathesis Polymerization
E-C3-05 09:32-09:40	陳品臻 國立台灣大學	Photo- and pH-responsive micelle/hydrogel composites for on-demand synergistic antibiotic release
E-C3-06 09:40-09:48	鍾予捷 國立清華大學	Synthesis and Development of Polycaprolactone-difuroate and Poly(propylene fumarate)-difuroate
E-C3-07 09:48-09:56	孫茂紘 國立中央大學	The self-healing process of fluorine-containing block copolymer film at the microscale
E-C3-08 09:56-10:04	黃茂庭 中原大學	Antibiofouling Performance of Microporous Membranes Fabricated Using a Green Solvent via Aqueous Antifouling Copolymer Spray Coating
E-C3-09 10:04-10:12	洪翊庭 國立中興大學	Synthesis of Block Copolymers via RAFT Polymerization and Investigation of Controlled Self-Assembly and Microphase-Separated Nanostructures

高分子化學與綠色及生醫應用 (E-C4)

Jan. 9 / 10:40-11:55

R221, 2F

發表時間	發表者	發表題目
E-C4-01 10:40-10:48	Amirthavarshini Muthuraman National Taipei University of Technology	Sustainable Angiogenesis-Inspired Quantum Nanofibers with Integrated Optoelectronic and Piezoelectric Functions for Accelerated Wound Healing
E-C4-02 10:48-10:56	呂柏毅 國立臺灣大學	Sustainable Upcycling of Poly(ϵ -caprolactone) into Reprocessable Tough Hydrogels via Deep Eutectic Solvent Photografting
E-C4-03 10:56-11:04	駱則瑜 國立陽明交通大學	Synergistic Effects of Azobenzene and Thiourea Backbones in Multiresponsive Copolymers for Sensing and Adhesive Technologies
E-C4-04 11:04-11:12	王崇宇 國立臺灣科技大學	Synthesis of Spherical Polymers with Zwitterionic Shell and Functionalized Core for Solid-State Electrolytes
E-C4-05 11:12-11:20	游毅恆 國立臺灣科技大學	Synthesis of DMSO gel of poly(methacrylated β -keratin) through Spatiotemporal Structural Exogel Transition Property with Superior Mechanical Stability

高分子化學與綠色及生醫應用 (E-C4)

Jan. 9 / 10:40-11:55

R221, 2F

發表時間	發表者	發表題目
E-C4-06 11:20-11:28	王湘棉 國立臺灣大學	High-Transparency Bio-Based Polyimides from Camphor-Derived Monomers
E-C4-07 11:28-11:36	黃晉佑 國立中山大學	Advanced Electrochemical Sensors Featuring Nitrogen-Rich Conjugated Microporous Polymers for Simultaneous Detection of Dopamine and Uric Acid
E-C4-08 11:36-11:44	陳乙禾 大阪大學	Marine degradable, ion-responsive thermoplastic starch-based film via ionic bonding between laurate and quaternary ammonium
E-C4-09 11:44-11:52	高郁婷 國立臺灣大學	Substituent and Isomeric Structure Effects of Dual Redox-Active Triaylamine-Based Derivatives on the Energy-Saving Behaviors
E-C4-10 11:52-12:00	林軒宇 國立台灣大學	Physical and Photo-crosslink Hydrogels Prepared from Peptide-PEG-peptide Triblock Copolymers for Nerve Tissue Engineering

高分子化學與綠色及生醫應用 (E-C5)

Jan. 8 / 13:30-15:15

R421, 4F

發表時間	發表者	發表題目
E-C5-01 13:30-13:38	張峻齊 國立陽明交通大學	Light-Driven Azobenzene-Polymerized Deep Eutectic Solvent Copolymers Integrating Multi-Responsive and Self-Healing Functionalities
E-C5-02 13:38-13:46	尹姿云 中原大學	Polyvinylidene Fluoride Nanofibers Modified with a Copolymer of Styrene and Acrylic Acid for Blood Cell Separation
E-C5-03 13:46-13:54	陳儒奕 國立臺北科技大學	Structural profiling of Achatina fulica mucins and their impact on Fibrin precipitation kinetics
E-C5-04 13:54-14:02	Li-Wen Tang National Tsing Hua University/ National Synchrotron Radiation Research Center	Enhanced Doxorubicin-Cholesterol Interactions in Phosphatidylcholine Membranes of Longer Chains Improve Thermal Stability of PEGylated Liposomes
E-C5-05 14:02-14:10	顏子翔 中原大學	Optimized Charge Interval Alignment in Zwitterionic 4-Vinylpyridine Carboxybetaine Architectures Enables Enhanced Blood-Inert Behavior within Amphiphilic Systems

高分子化學與綠色及生醫應用 (E-C5)

Jan. 8 / 13:30-15:15

R421, 4F

發表時間	發表者	發表題目
E-C5-06 14:10-14:18	林育民 國立清華大學/ 國家同步輻射研究中心	Strain-Induced Structural Reorganization in Multi-Block Polyurethane Elastomers with Ionic Liquids Revealed by In Situ Small and Wide-Angle X-ray Scattering
E-C5-07 14:25-14:33	鍾承儒 長庚大學	修復肌腱用搭載藥物/膠原奈米纖維之開發
E-C5-08 14:33-14:41	盧大中 國立雲林科技大學	Amphiphilic ion conductors with tailored hydrophilic-hydrophobic domains for high-performance organic electrochemical transistors
E-C5-09 14:41-14:49	許柏浩 國立臺灣科技大學	Integrated Pervaporation-Catalytic GO/CeMnO ₃ Composite Membrane for Simultaneous Separation and Degradation in IPA/H ₂ O ₂ Systems.
E-C5-10 14:49-14:57	許舜傑 國立成功大學	Aggregation Behavior and Photoresponsive Properties of Amphiphilic Azobenzene Block Copolymers in Solutions

高分子化學與綠色及生醫應用 (E-C6)

Jan. 9 / 09:00-10:15

R421, 4F

發表時間	發表者	發表題目
E-C6-01 09:00-09:08	簡熏鈺 中原大學	Fabrication of Bioinert Polypropylene Fibrous Membranes through In Situ Polymerization of Zwitterionic Poly(sulfobetaine methacrylate)
E-C6-02 09:08-09:16	謝卉晴 國立台灣科技大學	Supramolecular drug-carrier system based on electrostatic coordination for enhanced targeting, efficiency, and safety in cancer chemotherapy
E-C6-03 09:16-09:24	楊芝玲 國立中山大學	Donor-acceptor photoactive conjugated polymers with D-A1-D-A2 structure for effective photocatalytic hydrogen production
E-C6-04 09:24-09:32	黎秉衡 國立清華大學	Tunable Dibenzothiophene Dioxide-Based Side-Chain-Bridged Polymers for Enhanced Photocatalytic Hydrogen Evolution
E-C6-05 09:32-09:40	蔡定恩 國立中興大學	Synthesis of Ferrocene-containing copolymers via RAFT polymerization and photocatalytic degradation of methylene blue
E-C6-06 09:40-09:48	莊英讓 國立清華大學	A Single Conjugated Polymer Achieving NIR-II Imaging-Guided In Situ Hydrogen-Photothermal Therapy of Glioblastoma

高分子化學與綠色及生醫應用 (E-C6)

Jan. 9 / 09:00-10:15

R421, 4F

發表時間	發表者	發表題目
E-C6-07 09:48-09:56	蔡旻綦 國立成功大學	Bilateral Microneedles for Spatially Controlled and Sustained Transdermal Delivery of Finasteride and Curcumin for Androgenetic Alopecia Therapy
E-C6-08 09:56-10:04	施竣鄴 中原大學	Zwitterionizing the Surface of Polypropylene Nonwoven Fabric via Dielectric Barrier Discharge Plasma to Enhance Leukocyte Removal Efficiency
E-C6-09 10:04-10:12	黃丹那 國立清華大學	Design and Analysis of Permeable 3D-Printed Artificial Blood Vessels

高分子化學與綠色及生醫應用 (E-C7)

Jan. 9 / 10:40-11:55

R421, 4F

發表時間	發表者	發表題目
E-C7-01 10:40-10:48	黃奕婷 國立清華大學	Design and Synthesis of Recyclable High-Performance Polyimides: A Molecular Engineering Strategy Toward Sustainable Applications
E-C7-02 10:48-10:56	王笠安 國立陽明交通大學	Light-Driven Synthesis of Degradable Copolymers from α -Lipoic Acid via Photoiniferter Polymerization
E-C7-03 10:56-11:04	葉修安 輔仁大學	Innovative polymer-based electrochemical platform for detecting ESAT-6 in human blood for pulmonary tuberculosis diagnosis
E-C7-04 11:04-11:12	戚庭禎 國立臺灣科技大學	Highly pH-Sensitive Mercury-Containing Supramolecular Micelles for Selective Anticancer Action
E-C7-05 11:12-11:20	Phan Van Hoang Khang National Taiwan University of Science and Technology	Conjugated macrocycles of (E,Z,E,Z)-[2.4]dibenzofulvenophanetetraene and (Z,Z,Z)-[2.3]dibenzofulvenophanetriene with aggregation-induced emission characteristic: Synthesis, characterizations and reversible photoisomerization
E-C7-06 11:20-11:28	洪為鏗 國立臺灣科技大學	Vacuum-assisted reduced graphene oxide (rGO) on polyamide membranes: Temperature effects on organic solvent nanofiltration performance
E-C7-07 11:28-11:36	徐葦婷 中原大學	Development of Carboxybetaine-Functionalized PVDF Membranes via Vapor-Induced Phase Separation for Enhanced Antifouling and Blood Compatibility
E-C7-08 11:36-11:44	吳聲甫 國立成功大學	Synthesis of imprinted PMVA for selective determination of uric acid

高分子化學與綠色及生醫應用 (E-C7)

Jan. 9 / 10:40-11:55

R421, 4F

發表時間	發表者	發表題目
E-C7-09 11:44-11:52	姜閔薰 國立中山大學	Structure-Induced Selectivity of Hydroxylated Covalent Organic Framework Nanofibers for Advanced Sensing Applications: An Experimental and Density Functional Theory Study
E-C7-10 11:52-12:00	李鈺婷 國立成功大學	Understanding the stability of chain transfer agents in different solvents during photo-induced RAFT polymerization

高分子加工與纖維紡織 (E-D1)

Jan. 8 / 15:40-17:40

R421, 4F

發表時間	發表者	發表題目
E-D1-01 15:40-15:48	張琪 國立陽明交通大學	Ionic Liquid-Assisted Charge Stabilization in Fluorene-Containing Donor-Acceptor Copolymers for Intrinsically Stretchable Organic Thermoelectrics
E-D1-02 15:48-15:56	許水豐 國立臺灣科技大學	Optimizing Heat-Mass Balance in Solar-Driven Interfacial Evaporation Using Cotton-Thread-Assisted Carbon Fiber/Rayon/Porous Polyurethane Janus Membranes
E-D1-03 15:56-16:04	徐彥紳 國立陽明交通大學	Photo-Healable and Stretchable Fibers from Upcycled TPEE and Azopolymers by Harnessing Solid-to-Liquid Photoisomerization
E-D1-04 16:04-16:12	許志璋 國立臺灣大學	Solar-Driven Spider Silk/Ag ₂ Se Nanofiber Thermoelectrics for Soft Power Systems
E-D1-05 16:12-16:20	Wubetu Belay Yeshaneh National Taiwan University of Science and Technology	Scalable and Self-floatable Jellyfish-like Cu ₃ (BTC) ₂ @CeO ₂ @CF/Rayon/PU Multilayer Membrane for Full Solar Spectrum Photothermal Conversion, Desalination, and Water Evaporation
E-D1-06 16:20-16:28	陳宥綦 國立臺北科技大學	The Influence of the Naphthalene Ring in Mitigating Photodegradation of Bio-based Unsaturated Polyesters
E-D1-07 16:35-16:43	陳聆成 國立臺灣科技大學	Self-Healing, Flexible, and Stretchable Flexible Hybrid Electronics Nanofiber Electrodes for Wearable Smart Clothing
E-D1-08 16:43-16:51	陳飛帆 國立成功大學	Wide-Range Damping Polymer Gel via Digital Light Processing Achieved by Tailoring Polymer Glass Transition and Relaxation
E-D1-09 16:51-16:59	李冠慶 國立中正大學	Introduction of Long-Chain Branching in Polypropylene via Nitrene C-H Insertion: Application of Bis-Sulfonyl Azides

高分子加工與纖維紡織 (E-D1)

Jan. 8 / 15:40-17:40

R421, 4F

發表時間	發表者	發表題目
E-D1-10 16:59-17:07	王鈺嵐 國立陽明交通大學	Fabrication of poly(glycerol-sebacate)methacrylate fibrous membrane by coaxial electrospinning and characterization of their mechanical properties
E-D1-11 17:07-17:15	黃威翰 國立成功大學	Rapid photopolymerization assisted by gel effect under air to prepare high molecular weight polymer gels
E-D1-12 17:15-17:23	林子鈞 國立陽明交通大學	Tailoring Intermolecular Interactions in Spiropyran-Functionalized Anodic Aluminum Oxide for Dual-Mode Optical Switching and Dynamic Anti-Counterfeiting Displays
E-D1-13 17:23-17:31	陳宜杰 國立清華大學	Hierarchical Porous Silicon Carbide Fabricated via LCD 3D Printing Using Scalable Allylhydridopolycarbosilane as Potential Catalyst Support Under Harsh Environments