

2026

中華民國高分子年會

2026 Annual Meeting of
The Polymer Society, Taipei (PST)

2026/1/8-9

新竹 Hsinchu

英文口頭論文報告競賽 頒獎典禮



佳作

| 報告編號 | 發表者 | 演講題目 |
|---------|---|---|
| E-A1-07 | Guan-Lin Chen National Taiwan University | Doped Conjugated Polymers for Direct Short-Wave Infrared Photothermoelectric Devices and Detection |
| E-A1-10 | 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-A2-01 | 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-A2-03 | 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-A3-08 | 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-A4-07 | 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 | 彭鈺棋 國立臺灣大學 | Enhancing the Thermoelectric Performance of Flexible Ag ₂ Se Substrates via Polyelectrolyte Heterojunction Engineering |

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| E-B1-04 | 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-B1-09 | 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-B2-03 | 王俊叡 國立成功大學 | 3D Printing of Mesoporous Polymer Composites Enabled by Flash-Freezing |
| E-B2-10 | 林宥彤 國立清華大學 | A Versatile and Robust Antifogging Strategy for Long-lasting Functionality Under Extreme Environmental Conditions |
| E-B3-08 | 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-B4-09 | 張和庭 國立成功大學 | Synthesis of a BINOL Derivative as a Chiral Dopant For Structural Color Modulation |

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| E-C1-02 | 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-C1-10 | 孟志尚 國立臺北科技大學 | Enabling Chitosan-based Hydrogel for Futuristic Multi-properties Wound Dressing |
| E-C2-06 | 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-C2-10 | 黃允侖 國立成功大學 | Visible light-driven RAFT miniemulsion polymerization mediated by hydrophobic deep eutectic solvents |
| E-C3-07 | 孫茂紘 國立中央大學 | The self-healing process of fluorine-containing block copolymer film at the microscale |
| E-C4-06 | 王湘棉 國立臺灣大學 | High-Transparency Bio-Based Polyimides from Camphor-Derived Monomers |
| E-C5-08 | 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 |



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| E-C6-04 | 黎秉衡 國立清華大學 | Tunable Dibenzothiophene Dioxide-Based Side-Chain-Bridged Polymers for Enhanced Photocatalytic Hydrogen Evolution |
| E-C5-08 | 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-C6-04 | 黎秉衡 國立清華大學 | Tunable Dibenzothiophene Dioxide-Based Side-Chain-Bridged Polymers for Enhanced Photocatalytic Hydrogen Evolution |
| E-C7-01 | 黃奕婷 國立清華大學 | Design and Synthesis of Recyclable High-Performance Polyimides: A Molecular Engineering Strategy Toward Sustainable Applications |



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|---------|-----------------|---|
| E-D1-03 | 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 | 許志璋 國立臺灣大學 | Solar-Driven Spider Silk/Ag ₂ Se Nanofiber Thermoelectrics for Soft Power Systems |

優勝

| 報告編號 | 發表者 | 演講題目 |
|---------|--|---|
| E-A1-11 | 林芃儀 國立臺灣大學 | Rational Design of Polyelectrochromic Triaylamine-Based Polyamides for Comparative Electrochromic Supercapacitor and Heat-Shielding Behaviors |
| E-A2-10 | 陳品嘉 國立清華大學 | Discovery of Primitive Phase from Self-Assembly of Chiral Triblock Terpolymer |
| E-A3-03 | 董亦軒 國立成功大學 | In-Depth Porosity and Geometry Corrections of Organic Electrochemical Transistors Using Neutron Reflectometry |
| E-A4-03 | 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-B1-07 | 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-B2-04 | 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-B3-01 | 黃偉祐 國立臺北科技大學 | Deciphering the Roles of Stereoregularity in the Helical Assembly of Syndiotactic PMMA Complexes |
| E-B4-01 | 江凱婷 國立臺灣科技大學 | Electrospinning PI/Cu(HBTC)-1 Composite for Solid-State Lithium Batteries |



優勝

| 報告編號 | 發表者 | 演講題目 |
|---------|-----------------|---|
| E-C1-08 | 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-C2-02 | 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-C3-03 | 劉孟亭 國立成功大學 | Construction of 3D Neural Tissue via Layer-by-Layer Coating and Hydrogel Support |
| E-C4-10 | 林軒宇 國立臺灣大學 | Physical and Photo-crosslink Hydrogels Prepared from Peptide-PEG-peptide Triblock Copolymers for Nerve Tissue Engineering |
| E-C5-10 | 許舜傑 國立成功大學 | Aggregation Behavior and Photoresponsive Properties of Amphiphilic Azobenzene Block Copolymers in Solutions |
| E-C6-01 | 簡熏鋹 中原大學 | Fabrication of Bioinert Polypropylene Fibrous Membranes through In Situ Polymerization of Zwitterionic Poly(sulfobetaine methacrylate) |
| E-C7-02 | 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-D1-12 | 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 |



特優

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|---------|---------------------------|---|
| E-A1-02 | 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-A2-05 | 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-A3-06 | 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-A4-10 | 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-B1-11 | 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 |
| E-B2-06 | 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-B3-06 | 汪旻嫻 國立成功大學 | Study of Asymmetric Liquid Crystal Elastomers for Bio-Inspired Actuators |
| E-B4-06 | 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 |



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| E-C1-06 | 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-C2-07 | 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-C3-05 | 陳品臻 國立臺灣大學 | Photo- and pH-responsive micelle/hydrogel composites for on-demand synergistic antibiotic release |
| E-C4-03 | 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-C5-01 | 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-C6-09 | 黃丹那 國立清華大學 | Design and Analysis of Permeable 3D-Printed Artificial Blood Vessels |
| E-C7-08 | 吳聲甫 國立成功大學 | Synthesis of imprinted PMVA for selective determination of uric acid |
| E-D1-13 | 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 |