

2024 1/24(三) — 1/25(四) 國立成功大學
中華民國高分子學會年會

英文口頭論文報告競賽



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佳作

- (E-A1-11) Application of Multifunctional Block Copolymers in Solid Polymer Electrolytes for Lithium-Sulfur Batteries (葉冠麟, 葉昀昇, 郭紹偉 | 國立中山大學)
- (E-A2-12) The Impact of Swelling Behavior on Ion Transport in Polyelectrolyte Hydrogel under Varying Salt Concentrations (黃玉珠, 陳泓序, 朱建威 | 逢甲大學)
- (E-B1-8) Stretchable N-type Photosynaptic Transistor with an Ultralow Energy Consumption Conferred Using Surface Ligand Engineering of Perovskite Quantum Dots (陳威丞, 郭霽慶, 陳文章 | 國立台灣大學 / 國立台北科技大學)
- (E-C1-4) A facile approach for preparation of triphenylamine-containing electrochromic polyvinyl acetals (邵俞仁, 張嘉文, 劉貴生 | 國立臺灣大學 / 工研院材化所)
- (E-C2-9) Triangular gold nanoplates/two-dimensional nano mica platelets with a 3D lightning-rod effect as flexible nanohybrid substrates for SERS bacterial detection (Ming-Chang Lu, Yang-Feng Chen, Chih-Wei Chiu | 國立臺灣科技大學)
- (E-D1-10) Gyroid-Structured Metal/Semiconductor Nanonetworks with Ultrasensitive SERS Detection via Block Copolymer Templating (曾沛潔, 盧盈均, 林佳鋒, 薛涵宇 | 國立中興大學)

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- (E-B2-7) Enhanced pervaporation performance of thin-film nanocomposite membrane fabricated through interfacial polymerization using silicon quantum dots as nanofillers (黃芷靖, 蔡惠安, 李魁然 | 中原大學)
- (E-C3-8) Stabilizing Lyotropic Cholesteric Liquid Crystalline Photonic Structures through Engineered Polymer Matrices (黃子庭, 周茗蕙, 劉瑞祥, 劉俊彥 | 國立成功大學)
- (E-A3-10) Perhydroxylated Benzoquinoid Covalent Triazine Framework as High-performance Cathode Material for Lithium-ion Batteries (劉氏黃茹, 陳登豪, 柯碧蓮 | 國立成功大學)
- (E-C4-9) 聚乙二醇兩性離子嵌段共聚物之合成與其在固態電解質之應用 (李晉安 | 國立臺灣科技大學)
- (E-C5-9) Fabrication and Characterization of Asymmetrically Constructed Liquid Crystal Elastomeric Actuators (解詠淇, 陳偉銓, 劉俊彥 | 國立成功大學)
- (E-A4-5) Preparation of Zwitterion-functionalized Solid-state Polymer Electrolytes by Electrospinning (范以平, 羅承慈 | 國立台灣科技大學)

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- (E-A1-8) Fabrication of Self-Wrinkling Polymer Films with Tunable Patterns Through an Interfacial-Fuming-Induced Surface Instability Process (陳易辰, 薛涵宇 | 國立中興大學)
- (E-A2-10) Sulfide Oxidation on Ladder-type Heteroarenes to Construct All-acceptor Copolymers for Visible-light-driven Hydrogen Evolution (Wei-Cheng Lin, Ho-Hsiu Chou | National Tsing Hua University)
- (E-B1-10) Conducting the tunable wet-brush blending of Phenolic/DDSQ-based nanocomposite and diblock copolymer to prepare the mesoporous materials with Frank-Kasper phases (周鼎智, 陳偉徵, 郭紹偉 | 國立中山大學)

(景明化工贊助)

- (E-C1-2) Exploring the Potential of Organomediator Tropone and its Derivatives for Reversible-Deactivation Radical Polymerization in Aqueous Medium (張益祥, 林庭聿, 賴柏村, 彭之皓 | 國立清華大學 / 國立台灣大學)
- (E-C2-4) Proposing an electrochemical sensor fabricated with molecularly imprinted poly(ANVP-co-VI) for detection of urinary uric acid (許文瑄, 許梅娟 | 國立成功大學)
- (E-D1-4) Reversible Hydrochromic Textiles: Creating Smart Electrospun Fibers with Bimolecular Systems (陳奐如, 張凱捷, 駱則瑜, 陳建霖, 陳俊太 | 國立陽明交通大學 / 新世代功能性物質研究中心)

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- **(E-B2-4) Guard Cell-Inspired Ion Channels: Harnessing the Photomechanical Effect via Supramolecular Assembly of Cross-Linked Azobenzene/Polymers** (陳羿帆, Vaishali Pruthi, 李林叡, 劉育君, Patrick Théato, 陳俊太 | 國立陽明交通大學、德國卡爾斯魯爾理工學院)
- **(E-C3-4) Photoreactive Mercury-Containing Metallosupramolecular Nanoparticles with Tailorable Properties That Promote Enhanced Cellular Uptake for Effective Cancer Chemotherapy** (江宜捷, 鄭智嘉 | 國立臺灣科技大學)
- **(E-A3-4) Intrinsically Stretchable Organic Thermoelectric Polymers Enabled by Incorporating Fused-Ring Conjugated Breakers** (曾啟鈞, 王冠傑 | 國立陽明交通大學 / 國立台灣大學) (景明化工贊助)
- **(E-C4-7) Construction of Fibronectin-Based 3D Artificial Tissues with Multilayered Extracellular Matrix Coating** (陳涓琳, 邱子芸, 劉俊彥 | 國立成功大學)
- **(E-C5-3) Leveraging amphiphilic copolymers of sulfobetaine methacrylamide for the construction of sterilization-tolerant and fouling-resistant poly(vinylidene fluoride) membranes** (Yi-Ling Wu, Rui-Jie Zhou, Yung Chang, Antoine Venault | 中原大學)
- **(E-A4-4) Influence of Ethylene Glycol Side-Chain Substitution for Thiophene-based Conjugated Polymers on the Charge/Ion Transport Properties** (錢良偉, 曾學盛, 張誌元, 蕭育生, 闕居振 | 國立臺灣大學 / 國立台灣科技大學)

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- **(E-A1-9) Exploring the Impact of Conjugated Polymers Immobilized by Stretchable Matrix for Photocatalytic Hydrogen Production** (孫語恩, 林韋澄, 黃心妮, 賴柔含, 陳亦安, 周鶴修 | 國立清華大學) (雲山氣體贊助)
- **(E-A2-1) An Effective Approach to Converting Waste Polycarbonate into Polyurethane Vitrimers** (賴癸安, 黃英治, 吳建欣, 鄭如忠 | 國立臺灣大學 / 國立臺灣大學前瞻綠色材料高值化研究中心)
- **(E-B1-11) Robust, Stretchable, Recyclable and Healable Supramolecular Elastomers via Structural Functional Region Strategy and Metallic Cross-Linking** (賴柔含, 陳亦安, 孫語恩, 周鶴修 | 國立清華大學) (宏遠興業贊助)
- **(E-C1-12) Synthesis and Recycling of Biobased Polydiketoenmaine Using 2,5-Furandicarboxylic Acid as a Building Block** (吳念勳, 劉英麟 | 國立清華大學)
- **(E-C2-12) Benzoin-Based 3D-Covalent Organic Polymers Through Green Synthetic Approach with High Apparent Quantum Yield in Sacrificial Photocatalytic Hydrogen Generation** (Islam M.A. Mekhemer, Ho-Hsiu Chou | National Tsing Hua University)
- **(E-D1-5) Scaleable Preparation of Carbon Fabric Janus Membranes for Water Evaporation Application** (彭鈺婷, 吳昌謀, Kebena Gebeyehu Motora | 國立臺灣科技大學)

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- (E-B2-9) Two-dimensional metal-organic framework composite membranes for efficient alcohol-water separation (曾鈺旻, 洪維松, 林嘉和 | 國立臺灣師範大學、國立臺灣科技大學)
- (E-C3-9) Development of a Dual-Functional Ultrastable Covalent Triazine Organic Framework Derived from Anthracene Units for Carbon Dioxide Capture and Energy Storage (林旻杰, Mohamed Gamal Mohamed, 郭紹偉 | 國立中山大學)
- (E-A3-5) Utilization of Self-Assembled Molecules in Phototransistors for Tuning Memory Characteristics: From Photodetector to Photomemory (吳亞璇, 張艾群, 林彥丞, 陳文章 | 國立臺灣大學 / 國立成功大學) (雲山氣體贊助)
- (E-C4-3) Polypropylene membranes designed by using thermo-responsive material for enriching human leukocytes (陳玄, 傅穎, 洪慧珍, 張雍 | 中原大學)
- (E-C5-2) Sperminated hyaluronic acid-mediated drug delivery system for corneal chemical burn (楊佳蓉, 賴瑞陽 | 長庚大學)
- (E-A4-3) Main chain engineering of polymer photocatalysts with sulfide oxidation-tuning segments for photocatalytic hydrogen evolution (黃則傳, 張之勵, 林韋澄, 周鶴修 | 國立清華大學)