

Poster Award List

無機化學 (Inorganic Chemistry)	
SAT-PS1-008 P1-0010	Study on the Use of Sulfoxides as Challenging Electrophiles in Suzuki Cross-Coupling Reactions Catalyzed by Pd–NAPA Precatalyst Yi-Jie Tsai, Providence University
SAT-PS1-011 P1-0013	Engineering CuRu/ CuRuGa Nanoframes Nanocrystals for Electrochemical Urea Synthesis Yatang Yang, NYCU
SAT-PS1-015 P1-0017	Synergistic Bimetallic PdAg Nanoalloy for Electrocatalytic Reduction of Nitrate to Ammonia in Neutral Solution Yu-Chi Tseng, Tunghai University
SAT-PS1-036 P1-0040	Ambiphilic Chiral Aluminum Cations as Catalysts for Enantioselective Phospho-Michael Additions Wan-Chi Liao, National Taiwan University
SAT-PS1-039 P1-0043	Tuning Electronic Structure and Iron–Ligand Covalency in Dimeric DNICs through Ligand Variation: Insights from X-ray Absorption and Emission Spectroscopies Sen Hung Hsieh, National Tsing Hua University
SAT-PS1-049 P1-0054	Copper Nitrite Reduction by Thiols: Mechanistic Insights into NO Release en route to Copper Thiolate Cluster Formation Naorem James Meitei, Kaohsiung Medical University
SAT-PS1-050 P1-0055	Supersaturation-Driven Coprecipitation of Li₃InCl₆ Solid-State Electrolytes for All-Solid-State Lithium Batteries Josanelle Angela Villanueva Bilo, Research Center for Applied Sciences
SAT-PS1-071 P1-0079	Porphyrin-NHC Self-Assembled Monolayers on Gold for Heterogenous Electrochemical CO₂ Reduction Nishat Khan, Kaoshiung Medical University
SAT-PS1-125 P1-0136	Reactivity in Di-iron P₄ Complexes: From Intramolecular Activation to Functionalization Hao-Yuan Lan, National Yang Ming Chiao Tung University
SAT-PS1-129 P1-0140	Chloroborinium as a Synthron for Arylboriniums via Bora-Friedel-Crafts Reactions Bo-An Chen, National Taiwan University
SAT-PS1-155 P1-0167	Facet-Dependent Lattice Variations in Shape-Controlled SrTiO₃ Nanocrystals Revealed by High-resolution powder X-ray Diffraction Bo-Hao Chen, National Synchrotron Radiation Research Center
有機化學 (Organic Chemistry)	
SAT-PS1-174 P4-0009	Electrochemical Umpolung Enabled by the Reduction of Strained Azabicyclobutane toward Selective C–C Bond Formation Chih-Ju Chou, 中山大學

SAT-PS1-181 P4-0017	Substrate-Controlled Divergent Cascade Reactions of 3-Alkylidene Oxindoles and Indane-1,3-diones Lin-En Zeng, 中興大學
SAT-PS1-190 P4-0026	Synthesis of Tetracyclopenta-Fused [5]Helicene via Non-oxidative Photocyclization of Bis-Bromo Substituted Stiff-Stilbenes Jie-Ru Yang, National Taiwan University
SAT-PS1-193 P4-0029	N-Boryl Pyridyl Radical-Mediated Reductive Homocoupling of Arylsulfonyl Chlorides to Diaryl Disulfides Yuan Kai Cheng, National Taiwan University
SAT-PS1-224 P4-0065	Base-Induced Alkylative Cyclization of γ- and Aryl-Substituted Isoindolin-1-ones to Tricyclic Isoindolones Siang-Ying Chen, 國立高雄師範大學
SAT-PS1-233 P4-0074	Total Synthesis of (\pm)-Crokonoid A via Acyl Radical Rearrangement Chang-Hui Chen, 國家衛生研究院
SAT-PS1-235 P4-0076	Strain-Release-Driven Photoinduced Functionalization of Azabicyclo[1.1.0]butanes to Access Structurally Diverse Azetidines Tzu-Yao Hsu, National Sun Yat-sen University
SAT-PS1-284 P4-0129	CB₄-Mediated Metal-Free Sulfonamide Synthesis: A Comparative Study under Batch, Ultrasonic, and Continuous-Flow Conditions YuChen Lin, 高雄醫學大學
SAT-PS1-291 P4-0136	Strain-Release Diversification of 1-Azabicyclobutanes via Bromide/Nickel Relay Catalyzed 1,3-Bis-Carbofunctionalization Yi-Hua Lee, National Sun Yat-sen University
化學生物 (Chemical Biology)	
SAT-PS1-304 P5-0002	Bacterial ESCRT-III Protein-mediated Membrane Architecture: Effects of pH, Lipid Charge, and Calcium Samuel Herianto, Academia Sinica and National Taiwan University
SAT-PS1-314 P5-0012	Lu-177 Radiotherapy with Upconversion Nanoparticles Targeting c-MET Pathway in Head and Neck Squamous Cell Carcinoma Kai-Hung Lin, National Yang Ming Chiao Tung University, Taipei 112, Taiwan.
SAT-PS1-319 P5-0017	Preparation and Derivatization of the N-Glycan Core Pentasaccharide Yi-Tien Tsai, National Tsing Hua University
SAT-PS1-327 P5-0026	ACE2-expressing Membrane-camouflaged Copper Nanoparticle For Decoying and Killing SARS-CoV-2 Pooja Aich, Kaohsiung Medical University
SAT-PS1-356 P5-0056	A Versatile Heteroatom Nucleophile Hub Enabling Divergent Thiol and Amine Bioconjugate Synthesis Sheng-Yao Chen, 國立成功大學
SAT-PS1-366 P5-0067	Novel Diacridine Derivatives: Unveiling Innovative Interconnection with Double-Stranded DNA

	Hsiang-Chi Lee, Graduate Institute of Genomics and Bioinformatics, National Chung Hsing University, Taichung 402, Taiwan
綠色化學 (Green Chemistry)	
SAT-PS1-395 P6-0010	Selenium-Incorporated Polymerized Nonfullerene Acceptors/SWCNT Composites with Polymer-Assisted n-Doping for High-Performance Organic Thermoelectrics Chi-Chun Tseng, National Yang Ming Chiao Tung University
SAT-PS1-401 P6-0016	Elucidating Nitrogen-Content-Dependent Properties of Noble-Metal-Like Tungsten Nitride (WN_x) for Alkaline Electrochemical Nitrate Reduction Hsin Kai Lee, National Taiwan University
SAT-PS1-420 P6-0036	Photocatalytic Hydrogen Evolution over Ni–Mo-Modified g-C₃N₄ Prepared by Photodeposition Yu-Hsien Wei, National Tsing Hua University
SAT-PS1-451 P6-0071	Molecular Engineering of Triarylamine Polymers for Multifunctional Optoelectrochemical and Energy-Related Applications Xian-Han Xia, National Taiwan University
SAT-PS1-453 P6-0073	Upcycling of Condensation Plastics to Transform Monomers and Multifunctional Carbon Quantum Dots via Green Process Chen-Yu Li, National University of Kaohsiung
物理化學 (Physical Chemistry)	
SUN-PS2-003 P2-0004	The Way Impedance Spectroscopy Bridges Material Properties and Device Performance Po-Kai Kung, National Chi Nan University
SUN-PS2-011 P2-0013	Oxidative Evolution and Red-Shift of Oxygen Quantum Defects in Single-Walled Carbon Nanotubes Vo Minh Thuy, Institute of Atomic and Molecular Sciences
SUN-PS2-015 P2-0018	Halide-driven Modulation of Self-Trapped Exciton Emission in Mixed-Halide Cs₂Ag_{0.6}Na_{0.4}In_{0.8}Bi_{0.2}Cl₆-XBrX Double Perovskites Niwan Gunawardana, National Sun Yat-sen University
SUN-PS2-020 P2-0023	Hierarchical Structural Analysis of G-quadruplex Supramolecular Hydrogels Using SWAXS-based Structural Modeling Kuanhsuan Su, 國家同步輻射研究中心
SUN-PS2-072 P2-0075	Explore the Conformational Space of Synthetic Amphiphiles by Hydration Cheng Ku Cheng, 國立臺灣大學
SUN-PS2-081 P2-0084	Water-Mediated Electronic Modulation in Boron–Nitrogen Multi-Resonance TADF Emitters ChenYu Lin, 國立臺灣大學
SUN-PS2-085 P2-0088	Nanoscale Quantum Sensing in Semiconductor Devices Enabled by Ultrathin Fluorescent Nanodiamonds Films Yi-Mu Tsui, Academia Sinica

分析化學 (Analytical Chemistry)	
SUN-PS2-106 P3-0013	Small-scale Extracellular Glycoproteomic Analysis Using Integrated Microfluidic Chip and Mass Spectrometry Yibrehu Bogale Dibabe, Academia Sinica
SUN-PS2-124 P3-0031	Monitoring Aggregation in Unsorted and Well-sorted SWCNTs using Variance Spectroscopy Rifqi Fajar Maulana, Academia Sinica
SUN-PS2-129 P3-0036	4D-Printed Cadmium-Responsive Rolling Needle Panel Meter Yu-Siou Liao, National Chung Hsing University
SUN-PS2-130 P3-0037	4D-Printed NIR-Actuated Stream Selector Enabling Automated Solid-Phase Extraction of Multiple Trace Metals Yu Hsuan Yu, National Chung Hsing University
SUN-PS2-159 P3-0066	Deep-Learning-Integrated SERS Sensing Platform for Rapid Stroke Prognostic Assessment Chia Ling Kuo, National Tsing Hua University
SUN-PS2-161 P3-0068	Decoupling Carrier Dynamics in Ta₃N₅ Photoanodes via the Analysis of Distribution of Relaxation Times Peng Ting Chen, 國立台灣大學
SUN-PS2-178 P3-0085	Monitoring Changes in the Concentrations of Specific Alkaloids Under Different Degradation Reactions Using MALDI Mass Spectrometry Yi Shan Wu, NKNU
SUN-PS2-189 P3-0096	Development of a Simple Thin-Film Solid-Phase Microextraction Device Combined with MALDI-MS for the Detection of Aminoglycoside Antibiotic Residues in Real-World Samples Ying Yu Lai, 國立高雄師範大學
SUN-PS2-222 P3-0132	Carbonized Herbal Polyphenol Engineered MXene Enables Long-Acting Therapy for Dry Eye Disease Hung-Wen Tsai, 國立清華大學
SUN-PS2-230 P3-0140	Surface Functionalization of Silver Nanoparticles Using Alkyne Derivatives: Development and Biomedical Applications Chien-Chi Wu, National Tsing Hua University
光電材料 (Photoelectronic Materials)	
SUN-PS2-244 P7-0008	Ultrabright and Stable Red Perovskite Nanocrystals in Micro Light-Emitting Diodes Using Flow Chemistry System Yen-Huei Lin, National Taiwan University
SUN-PS2-262 P7-0026	Dual-Surface Engineering Strategy: Synergistic Stabilization of CsPbI₃ Perovskite via Ligands and Silica Coating Yu-Lin Hsiao, National Taipei University of Technology
SUN-PS2-279 P7-0044	Untangling the Decomposition Mechanism of Cs₂AgBiBr₆ and the Resulting Low-Dimensional Materials

	Yu-Chen Hong, National Taiwan University
SUN-PS2-280 P7-0045	Photochromic Additive–Regulated Alignment and Morphology of Conjugated Polymer Thin Films for Organic Field-Effect Transistors Xiao-Yuan Lin, National Taipei University of Technology
SUN-PS2-284 P7-0049	Engineering Encapsulation Designs toward Durable Lead Halide Perovskites for Green-Oriented Optoelectronic Applications Andi Magattang Gafur Muchlis, National Taipei University of Technology
奈米孔洞材料 (Nanoporous Materials)	
SUN-PS2-292 P8-0007	Charge-Tunable Nanoporous Graphene for Adsorption-Facilitated Alcohol/Water Reverse Osmosis Separations Yen-Yung Wu, National Taiwan University
SUN-PS2-304 P8-0019	Hydrophilized ZIF-8–Derived Carbon and Stable Ni_xCo_{1-x}HCF Asymmetric Electrodes for Efficient Membrane Capacitive Deionization Cheng-Chih Liu, 清華大學
SUN-PS2-315 P8-0030	Heteroleptic Metal Organic Cages with Linear and Bent Ligands for Trace Benzene Removal from Cyclohexane Jiale Chen, National Taiwan Normal University
化學教育 (Chemistry Education)	
SUN-PS2-331 P9-0006	Strategic Engagement of Taiwan with IUPAC: Opportunities, Participation, and Global Impact Brian Li, IUPAC
產業應用 (Industrial Application)	
SUN-PS2-338 P10-0007	Granular Al₂O₃-Supported Cu–Mn Bimetallic Spinel Catalysts for Low-Temperature Catalytic Decomposition of NF₃ Yeh Chun Han, National Cheng Kung University
理論計算 (Theoretical and Computational Chemistry)	
SUN-PS2-355 P11-0006	Establish Computational Protocols for Viscosity Prediction for Polymers: Based on Molecular Dynamics Simulations with Quantum-Mechanical-Derived Forcefields Yu Wei Wu, 國立清華大學
SUN-PS2-381 P11-0033	Developing De Novo D-Peptides Against E. coli via a Hierarchical Antimicrobial and Hemolytic Property Prediction Framework Ming-Yang Tsai, National Central University
SUN-PS2-392 P11-0045	Machine Learning Accelerated Kinetic Modeling of the Hydrogen Evolution Reaction on High-Entropy Alloys: From Adsorption Free Energies to Simulated Polarization Curves Yi Chen, National Tsing Hua University

SUN-PS2-393 P11-0046	Fragmented-Based Machine Learning Models to Improve Photovoltaic Conversion Efficiency Prediction of Organic Dye-Sensitized Solar Cells Ying Ju Wu, 國立中央大學
SUN-PS2-398 P11-0051	Graph-Based Learning for Stable Antimicrobial Peptide Design: Incorporating D-Amino Acids and Conformational Flexibility Shao-Chi Wu, National Central University
SUN-PS2-403 P11-0058	Development of a Protocol for Predicting Charge Carrier Mobility in Amorphous Polymers via Multiscale Simulation Kuei-Jhong Lin, National Tsing Hua University
SUN-PS2-417 P11-0073	Semi-Transferable Electronic Coupling Prediction in Organic Semiconductor Dimers via a Two-Step Machine Learning Framework Chih-Yung Hou, NTU
精準化學 (Precision Chemistry)	
SUN-PS2-446 P12-0026	Construction of Uncharged Macrocyclic Peptide Libraries Incorporating Nonproteinogenic β-Turn Inducers for In Vitro Selection Ekishin Yanagi, The University of Tokyo
SUN-PS2-463 P12-0043	Michael Addition-Triggered Release of Substituents from Tertiary Amines Toshiaki Wayama, The University of Tokyo