

POSTER SESSION I – March 8 (DAY 1)

PA-分析化學 (Analytical Chemistry)	
SAT-PA-001 P3-0007	Electrochemical Sensor based on Electropolymerized Molecularly Imprinted Polymer in Deep Eutectic Solvent for Ractopamine Detection Yi-Ting Hsiao, Soochow University
SAT-PA-002 P3-0013	Highly selective colorimetric and smartphone-based paper assay using malic acid-functionalized silver nanoparticles for thiram detection Kuan-Hsun Chen, National Taitung University
SAT-PA-003 P3-0014	Electrochemical sensor based on a deep eutectic solvent molecularly imprinted polymers @ AuAgNPs/rGO for detection of acetaminophen Chin-Chun Hsu, Soochow university
SAT-PA-004 P3-0016	Machine Learning-Guided Discovery and Prediction of Carbon Nanotube-Based Near-Infrared Nanosensors for Prohibited Drugs Ming-Syue Lin, Institute of Atomic and Molecular Sciences, Academia Sinica
SAT-PA-005 P3-0024	Electrochemical Sensor Based On Metal-Organic Framework For The Detection Of Dopamine Shu-Ying Yeh, Soochow University
SAT-PA-006 P3-0025	A molecularly imprinted polymer-based electrochemical sensor for the determination of oxalic acid Wei-Chi Chen, Soochow University
SAT-PA-007 P3-0029	Preparation of Pt/MoSe₂ for the detection of Remimazolam concentration in surgery Pei-Ting Chiu, Providence University
SAT-PA-008 P3-0035	Determination of bisphenols in trace amount of human hair by Deep Eutectic Solvent Back-Extraction and UPLC-MS/MS Yu-Hsin Lin, Tunghai University
SAT-PA-009 P3-0038	Hydrothermal Synthesized Carbon Dots Derived from Carbon Hydrate for Detection of Pb(II) Yu-Huei Hsiao, Chung Shan Medical University
SAT-PA-010 P3-0039	Using paper-based microfluidic channels combined with electrical resistance method to detect the Early Secreted Antigenic Target 6 kDa (ESAT-6) in human plasma. Yi-Ling Chen, Fu Jen Catholic University
SAT-PA-011 P3-0045	Using Carbon Dots as Fluorescent Probes for Potential Applications with Cobalt Ions detection Chih-Hsuan Chuang, Chung Shan Medical University
SAT-PA-012 P3-0059	Fluorescent Carbon Quantum Dots for Nitric Oxide Detection in Biological Samples Nien-Chieh Tsai, Kaohsiung Medical University
SAT-PA-013 P3-0062	Functional Nucleic Acid Based Nanomachine Combined with Lateral Flow Assay for Colorectal Cancer Detection Jia-Ying Weng, Chung Yuan Christian University
SAT-PA-014 P3-0070	Application of carbon quantum dots as fluorescent probes in the detection of nickel heavy metal ions Yuan-Chen Lien, Chung Shan Medical University
SAT-PA-015 P3-0071	Fiber-Optic Localized Surface Plasmon Resonance Sensor for Peanut Allergen Ara h 2 Detection Hsing-Yu Chiang, National Yunlin University of Science and Technology

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SAT-PA-016 P3-0074	Synthesis, Chromatographic Separation, and Mechanism of Cerium-Doped Carbon Dots for Highly Sensitive Detection of Reactive Oxygen and Nitrogen Species Tsai Cheng Meng, National Pingtung University of Science and Technology
SAT-PA-017 P3-0083	A new thin-film solid phase microextraction device made of polylactic acid using 3D printing technology Jian-wei Zhang, National Kaohsiung Normal University
SAT-PA-018 P3-0084	Malic acid-modified copper nanoclusters for highly selective and sensitive detection of ofloxacin Kai-Chi Tung, National Taitung University
SAT-PA-019 P3-0088	Preparation and Field Application of Sex Pheromones for Two Species of Noctuid Moths (Lepidoptera: Noctuidae) 張毅祥, Chaoyang University of Technology
SAT-PA-020 P3-0092	Ammonium side-chain functionalized poly(3,4 ethylenedioxythiophene)/Cu₃Mo₂O₉ nanocomposite: A novel electrochemical sensor for sensitive detection of sulfamerazine Tsung Yuan Wu, National Chi Nan University
SAT-PA-021 P3-0098	Proteomic and Metabolomic Features Associated with Treatment Responsiveness and Disease Stratification of Chronic Obstructive Pulmonary Disease Pei Yu Hu, Taipei Medical University
SAT-PA-022 P3-0099	Determination of bisphenols in urine based on deep eutectic solvents combined with ultra-performance liquid chromatography tandem mass spectrometry Chia-Hsin Liu, Tunghai University
SAT-PA-023 P3-0118	Displacement reaction assisted fluorescent aptasensor for therapeutic drug monitoring of vancomycin Yang Chun Wang, National Chung Cheng University
SAT-PA-024 P3-0120	Using Hydrophobic Brønsted–Lowry Acidic Ionic Liquid as Electrolyte for Silver Electrodeposition and Recovering Silver from Silver Oxide Coin Battery Yi Chen Wang, Kaohsiung Medical University
SAT-PA-025 P3-0001	Study on Automatic Dilution-Injection for Determination Nitrogen Content by Chemiluminescence Method Ling-Ling Ho, CPC Corporation, Taiwan
SAT-PA-026 P3-0002	Determine the Phosphorous in Polymer Wei-Ting Chou, Refining and Manufacturing Research Institute, CPC Corporation
SAT-PA-027 P3-0003	Determination of Molybdenum-93 using TEVA Resin and Low-Energy Photon Spectrometer Hsin-Chieh Wu, National Atomic Research Institute
SAT-PA-028 P3-0004	Swelling Microneedle-Assisted Paper-Based SERS Platform for Detection in Living Organisms Chia-Ling Kuo, National Tsing Hua University
SAT-PA-029 P3-0005	PEDOT-based Electrochemical Determination of ESAT-6 in Human Plasma for the detection of Tuberculosis Xiu-An Ye, Fu Jen Catholic University
SAT-PA-030 P3-0006	Molecularly-imprinted Electrochemical Sensor for ESAT-6 Determination Ching-Tse Hsu, Fu Jen Catholic University
SAT-PA-031 P3-0008	The application of X-ray diffraction analysis in relative content of catalysts Yuchen Hsu, Refining and Manufacturing Research Institute, CPC Corporation, Taiwan
SAT-PA-032 P3-0009	Synthesis and Electrochemical Characterizations of the Zirconium-doped Lithium Nickel Cobalt Manganese Oxide Cathode Material Pinyu Huang, Fu Jen Catholic University

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SAT-PA-033 P3-0010	Synthesis and Electrochemical Characterizations of NaCFM Cathode Material for Sodium Ion Battery HongChang Wu, Fu Jen Catholic University
SAT-PA-034 P3-0015	Development of polyphenol based carbonized nanovesicles for the treatment of dry eye disease Wei Chien Cheng, National Tsing Hua University
SAT-PA-035 P3-0017	Incorporating single-walled carbon nanotubes in gelatin methacrylate hydrogels for potential real-time monitoring of tissue engineered scaffolds Joshua Mendoza Lim, Taipei Medical University/Academia Sinica
SAT-PA-036 P3-0018	Discrimination of bean species, geographical origins and adulteration of soy sauce via volatile and proteomic signatures Wei-Chen Wang, National Chung Hsing University
SAT-PA-037 P3-0019	Effective Simultaneous Detection of Ascorbic acid, Dopamine, and Uric acid Using PEDOT/Graphene Oxide Electrochemical Sensor Hsun-Hsiang Yang, National Yunlin University of Science and Technology
SAT-PA-038 P3-0020	Short-wave near infrared hyperspectral imaging for single-wall carbon nanotube-based biosensors Ai-Phuong Nguyen, Institute of Atomic and molecular Sciences, Academia Sinica
SAT-PA-039 P3-0021	Synthesis of bismuth phosphate intertwined in reduced graphene oxide nanocomposites: An investigation of the properties and electrochemical analysis Chun Wei Tan, National Taipei University of Technology
SAT-PA-040 P3-0022	Proteomic study of golden rice using SWATH mass spectrometry quantification technology 蕭宜如, National Chung Hsing University
SAT-PA-041 P3-0023	Qualitative and quantitative analysis of catechins using SALDI and graphene-based sponge Zi-Jie Lee, National Chung Hsing University
SAT-PA-042 P3-0026	A metabolomic study of the temperature impact of hand-drip brewing of washed coffee beans Han-Ju Chien, National Chiayi University
SAT-PA-043 P3-0028	Lanthanide MOF Fused MWCNTs-COOH Based Electrochemical Sensor for Effective Simultaneous Detection of Norepinephrine, Acetaminophen and Estradiol Wing-Hei Choi, Fu Jen Catholic University
SAT-PA-044 P3-0030	Analysis and application of volatile compounds in Oriental Beauty tea using solid-phase microextraction combined with gas chromatography-mass spectrometry and direct analysis in real-time mass spectrometry You-Wei Tung, National Chung Hsing University
SAT-PA-045 P3-0032	Explore and evaluate the relationship between platinum and carbon nitride supported catalysts through model compound Chi Feng Lu, National Cheng Kung University
SAT-PA-046 P3-0033	Development of Vinyl Covalent Organic Framework V-COF-1 with Swelling Interaction as Micro Dispersive Solid Phase Extraction Adsorbents for the Determination of Bisphenol Compounds by Gas Chromatography Mass Spectrometry Chih-Ling Yeh, Fu Jen Catholic University
SAT-PA-047 P3-0034	A Novel Approach for Tumor Boundary Detection Using Infrared Spectroscopy and Machine Learning jun lun zhang, National Tsing Hua University

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SAT-PA-048 P3-0036	Development of a Calibration Curve for Cyanamide Group Ratio Quantification in Poly (heptazine imide) and Poly (triazine imide) Tzu Yi Yeh, National Cheng Kung University
SAT-PA-049 P3-0037	Novel Hole Transport Materials Development to Boost Charge Transfer in Organic Perovskite Solar Cells Joulin Huang, National Cheng Kung University
SAT-PA-050 P3-0040	Surface Enhanced Raman Scattering-Based Detection of Nitric Oxide with a Silver Nanoparticle Substrate. Ping-Yu Chen, Kaohsiung Medical University
SAT-PA-051 P3-0041	Fluorescent Carbon Quantum Dots Synthesized from Beer for Organic Dye Sensing in Aqueous Media Yu Han Yang, Kaohsiung Medical University
SAT-PA-052 P3-0043	The creation and application of durable SERS substrates based on shrinkable plastic materials Wen-Chieh Fan, Kaohsiung Medical University
SAT-PA-053 P3-0044	Self-produced NO nanocarriers used to treat melanoma through photodynamic therapy Ting Xuan Chen, National Tsing Hua University
SAT-PA-054 P3-0046	Detection of benzophenone-type ultraviolet filters in bottled tea samples using metal-organic framework MIL-53(Al) as sorbent for dispersive micro-solid phase extraction Feng-Chuan Chi, National Central University
SAT-PA-055 P3-0047	Characterize Local Potential Variations of Charged Thiol-based Self-assembled Molecular Layers on Gold Substrates Yi-Ju Lin, National Cheng Kung University
SAT-PA-056 P3-0048	Boosting Sensitivity in Bipolar Electrode Sensor with Laser-Induced Multienzyme-Like Nanozyme Han-Ting Huang, National Taiwan Normal University
SAT-PA-057 P3-0049	One-Step Synthesis of Se@1T-MoSe₂ Core-Shell Nanoparticles for Cancer Treatment Jia-Hui Huang, National Tsing Hua University
SAT-PA-058 P3-0050	Fabrication of Sensitive and Wide-Range Piezoresistive Sensors Based on Porous Conductive PDMS Substrates Containing Graphene-Coated Pyramidal-Textured Surface Jo-Chu Wei, National Cheng Kung university
SAT-PA-059 P3-0051	Determination of Urinary Organic Acid for Rare Inherited Metabolic Disease Patient Using Solid Phase Extraction and Gas Chromatography-Mass Spectrometry Yung-Cheng Jair, National Taiwan University College of Medicine
SAT-PA-060 P3-0052	Comparison of SERS intensity with gold nanoparticle multimers of different sizes and shapes by 785 nm laser excitation Shen Yi Chen, National Chung Cheng University
SAT-PA-061 P3-0053	Development of a multiplex fiber optic particle plasmon resonance biosensor Po-Chuan Chou, National Chung Cheng University
SAT-PA-062 P3-0054	Tissue metabolomic analysis of renal cell carcinoma using differential ¹²C₂/¹³C₂ isotope dansylation labeling combine with LC-QTOF-MS and LC-MRM-MS Hsiang Cheng Tu, Chang Gung University
SAT-PA-063 P3-0055	Fast Screening of Tuberculosis Patients based on Analysis of Plasma by Infrared Spectroscopy Coupled with Machine Learning Approaches Mei Lin, Fu Jen Catholic University
SAT-PA-064 P3-0056	Stabilization Method for Protein based Fluorescent Nanoclusters Using Thermal Responsive Polymer Complexation Coupled with Mesoporous Silica Encapsulation Kui-Han Chen, National Cheng Kung University

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SAT-PA-065 P3-0057	Detection Strategy for ALDH2 Single Nucleotide Polymorphism Po-Cheng Fu, National Chung Cheng University
SAT-PA-066 P3-0058	Cation effect on guanosine monophosphate-based hydrogels Chi Hui Wu, National Yang Ming Chiao Tung University
SAT-PA-067 P3-0060	Chirality-induced changes of mechanical strength in guanosine-5'-monophosphate hydrogels by histidine Yu-Chiao Huang, National Yang Ming Chiao Tung University
SAT-PA-068 P3-0061	Development of the paper-based microfluidic concentrator based on dual-gate ion polarization to detect urine protein 劉冠穎, National Chung Cheng University
SAT-PA-069 P3-0064	Cooperative Calcium Phosphate Mineralization on Hierarchical Polyelectrolyte/Collagen Assemblies Liang Yu Chen, National Cheng Kung University
SAT-PA-070 P3-0065	Exploration of guanosine monophosphate self-assembly by Raman spectroscopy Chia-Wei Zhang, National Yang Ming Chiao Tung University
SAT-PA-071 P3-0066	Rational Design of Tin Phosphate Anchored on Reduced Graphene Oxide Nanocomposites; Synthesis, Properties, and Electrochemical Studies Cheng-Han Wang, National Taipei University of Technology
SAT-PA-072 P3-0067	Liquid Chromatography-coupled Online Microdroplet Mass Spectrometry (LC-MMS) for Bottom-up Characterization Using Intact Protein as the Input Chih-Hung Wang, National Cheng Kung University
SAT-PA-073 P3-0068	Hierarchical Micro-Nanostructures of Fluorescent Polymer Dots Fabricated Using Polyelectrolyte-Based Interfacial Adsorption Yu-Ching Hsu, National Cheng Kung University
SAT-PA-074 P3-0069	All-in-one guanosine monophosphate-based hydrogels for supercapacitor devices Chia-Chia Liu, National Yang Ming Chiao Tung University
SAT-PA-075 P3-0072	Fabrication of dielectric film for electro-wetting on dielectric (EWOD) chip with dip-coating method using ionic liquid-based polymeric gels Chu Chun-Lin, National Chung Cheng University
SAT-PA-076 P3-0073	Hydrothermal Synthesis of Cuprous Oxide-Reduced Graphene Oxide Composites for Efficient Water Electrolysis Catalysis Chao-Hsuan Yang, National Cheng Kung University
SAT-PA-077 P3-0075	Photocatalytic Synthesis of Fluorescent Zinc-Doped Carbon Dots as Novel Catalysts for High-Efficiency Glycolysis of Polyethylene Terephthalate Chuan Yi Tung, National Pingtung University of Science and Technology
SAT-PA-078 P3-0076	Mapping and Quantification of Genome-wide DNA Damage by Catechol Estrogens Using Click probe-Seq and LC-MS2: Unraveling Endogenous Genotoxicity Beyond Receptor-mediated Signaling TrangQuynh Do, National Cheng Kung University
SAT-PA-079 P3-0077	Structure-transformable substrates of Cas12a for highly sensitive Hg(II) detection YA-YU CHEN, Tuanghai university
SAT-PA-080 P3-0078	Photo-Assisted Synthesis and Modulation of Fluorescent Tellurium/Carbon Nanoparticles for Sepsis Treatment 王詩諭, National Pingtung University of Science and Technology
SAT-PA-081 P3-0079	4D-Printed Reversible Redox-Responsive Needle Enabling Online Monitoring of Living Rat Brain Extracellular Lactate and Glucose Hsiao Chu Chiu, National Chung Hsing University

PA-分析化學 (Analytical Chemistry)

SAT-PA-082 P3-0080	Synthesis and Characterization of m-Phenylenediamine-Derived Carbon Dot-Doped Montmorillonite for Enhanced Organic Dye Adsorption 邱莆, National Pingtung University of Science and Technology
SAT-PA-083 P3-0081	Development of targeted carbon dot liposomes as novel drug carriers to enhance triple-negative breast cancer therapy 陳沛豐, National Tsing Hua University
SAT-PA-084 P3-0082	Synthesis of Nanoscale Ag-Intercalated Muscovite Mesocrystal Chia-Yun Sung, National Yang Ming Chiao Tung University
SAT-PA-085 P3-0085	Analysis of organic constituents on atmospheric particles collected at a high-elevation station by GC×GC-TOFMS Chang-Feng Ou-Yang, National Central University
SAT-PA-086 P3-0086	Precise Methylation Detection of Tumor Suppressor Gene Promoters by Magnetic Enrichment and Nano Silver Adduct-Promoted Surface-Enhanced Raman Scattering Shubham Singh, Kaohsiung Medical University
SAT-PA-087 P3-0087	Online Two-dimensional Hydrophobic Interaction/ Reversed Phase Chromatography Mass Spectrometry for Separating and Characterizing Herceptin Fung-Yu Chen, National Cheng Kung University
SAT-PA-088 P3-0089	Preparation of hybrid MIL-101(Fe) metal-organic framework and ammonium functionalized poly(3,4-ethylenedioxythiophene) composite electrocatalyst for ultra-sensitive furaltadone detection Sethupathi Velmurugan, National Chi Nan University
SAT-PA-089 P3-0090	Development of Carbonized Polyphenol Nanoparticles Loaded with Sunitinib as a Novel Anti-Angiogenic Agent for Treating Corneal Neovascularization Chao-Wei Chen, National Tsing Hua University
SAT-PA-090 P3-0091	Electrochemically embedded cerium oxide nanoparticles on activated carbon electrode for simultaneous determination of quercetin and rutin Lokesh Bettada, National Chi Nan University
SAT-PA-091 P3-0093	4D-Printed Temperature-Responsive NIPAM Monolithic Packing Enabling Highly Sensitive Speciation of Inorganic Cr, As, and Se ChiaYi Ho, National Chung Hsin University
SAT-PA-092 P3-0094	Exploiting Fiber Optic Particle Plasmon Resonance Biosensor Based on Gelsolin to Detect Amyloid-Beta Tsai Kai-Cheng, National Chung Cheng University
SAT-PA-093 P3-0095	Functionalization of Gold Nanoparticles with Proteins through Alkynylated Ligands Xu Shun Qiang, National Tsing Hua University
SAT-PA-094 P3-0096	Trace level analysis of ammonia impurity in hydrogen fuel using impinger/IC method Teng-Jui Huang, CPC Corporation, Taiwan
SAT-PA-095 P3-0097	Analysis of Acrolein-Induced DNA-Protein Cross-linked Adducts in HepG2 cell by NanoLC-NSI/HRMS/MS. Syuan-Syuan Fan, National Chung Cheng University
SAT-PA-096 P3-0100	Liquid Crystal-based Sensor to Detect Sialic Acid using Boronic Acid Functionalized Amphiphilic Ligand Rajibkumar Nandi, Tamkang University
SAT-PA-097 P3-0101	Point of Voltage Application in Electrospray Ionization Affects Mass Spectrometry Results Min-Min Hung, National Tsing Hua University
SAT-PA-098 P3-0102	High-Speed Edgewise Imaging Unveils Microdroplet-Surface Interactions in Desorption Electrospray Ionization Bo-Hai Yeh, National Tsing Hua University

PA-分析化學 (Analytical Chemistry)

SAT-PA-099 P3-0103	Quantitative Laser-Scanning Lateral Flow Immunoassay of Hormone with a Handheld Analyzer Yixiu Tang, Academia Sinica
SAT-PA-100 P3-0104	Defect-Driven Synthesis of 2D3D AuAg Nanoplates with Optimized Hot Spots for Advanced SERS-Based Cellular Imaging Kuan Wen Liu, National Cheng Kung University
SAT-PA-101 P3-0105	Au-incorporated semiconductor SERS substrate for highly sensitive molecular sensing Wu Yu Hsuan, National Cheng Kung University
SAT-PA-102 P3-0106	Study on the Dynamic Spectroscopic Mechanism of Toluene Photocatalysis by In-Situ Gas-Phase SERS Technology Yu-Hao Chen, Feng Chia University
SAT-PA-103 P3-0107	Cationic Surfactants Assisted Bubble Preconcentration for Diverse PFAS Analysis Huang Zhi-Yang, Chung Hsing
SAT-PA-104 P3-0110	Synergistic Photodynamic and Metabolic ROS Modulation of Glycosylated Au Nanoparticles: A Breakthrough Strategy in Macrophage Reprogramming for Cancer Immunotherapy Ting-Yu Cheng, National Cheng Kung University
SAT-PA-105 P3-0111	NanoLC-NSI/HRMS/MS Analysis of Methylglyoxal- Induced Post-Translational Modifications of Human Serum Albumin Pin-Hsuan Tung, National Chung Cheng University
SAT-PA-106 P3-0112	DNAzyme-Functionalized Magnetic Nanoparticles for Lead Ion Detection in Environmental Water Chang-Yu Chen, National Chung Hsing University
SAT-PA-107 P3-0113	Rapid Diabetes Diagnosis in Biological Fluids Using Chemiluminescence Li-Ting Wang, National Chung Hsing University
SAT-PA-108 P3-0114	Development of Low Toxicity and Non-conventional Antifungal Agents Po-Hung Cheng, National Yang Ming Chiao Tung University
SAT-PA-109 P3-0115	Effective Elimination of Gram-Positive Pathogens and Drug-Resistant Strains Using a Combination of Iron Ions and Cysteine Suchita Paul, National Yang Ming Chiao Tung University
SAT-PA-110 P3-0116	Monogalactosyldiacylglycerol Glycolipids in Phalaenopsis Leaves Form Mixed Liposomes During Growth and Spike Induction Periods that Enhance the Inhibition of Escherichia Coli Growth Kuan Cheng Hsu, National Chiayi University
SAT-PA-111 P3-0117	Rapid Determination Total Acidity of Vinegar by Portable NIR Spectrometer Tai-Sheng Yeh, Meiho University
SAT-PA-112 P3-0121	Detection of multi-metal ions using bioinspired amyloid fibril aerogel coupled with ICP-MS Kainat Ishaq, Kaohsiung Medical University
SAT-PA-113 P3-0122	Analysis of oxidized PAPC products in high-density lipoproteins of uremic patients by capillary electrophoresis-mass spectrometry Mine-Yine Liu, National Changhua University of Education
SAT-PA-114 P3-0123	Rapid Detection of Sudan Dyes in Food Products Using Raman Spectroscopy and Molecular Fingerprinting Technology 朱芳誼, National Chung Hsing University
SAT-PA-115 P6-0064	Polyvinyl alcohol-based novel three-dimensional cryogel for simultaneous adsorption and detection of multiple heavy metal ions Sunaina Mudigonda, Kaohsiung Medical University

PB-有機化學 (Organic Chemistry)

SAT-PB-001 P4-0003	Total Synthesis of New UK-1 (NUK-1) Derivatives in Green Pathway Shenghe Wang, National University of Kaohsiung
SAT-PB-002 P4-0007	Synthesis of Fluorenylidene Anthracen-9(10H)-one and Benzocyclohepta[1,2,3-jk]fluorenone via Palladium-Mediated C-H Bond Activation, Arylation, and Rearrangement of Dibenzocycloheptenone O-Methyl Oxime Yu-Siang Wang, National Taitung University
SAT-PB-003 P4-0015	3,7-二(對位第三丁基苯)吡啶并吡啶受 beta-cyclodextrin 包覆之單分子放光性質研究 崔文勝, 國立台東大學
SAT-PB-004 P4-0016	Palladium-Mediated ortho C(4)-H Bond Activation/Arylation of Pyrazolo[1,5-a]pyridine via Stoichiometric and Catalytic Approaches Ching-Hung Cheng, National Taitung University
SAT-PB-005 P4-0018	Hole-Transporting Materials based on Oligoheteroaryls with a Terpyridine Moiety – Pd-Free New Synthetic Route via Cu-Catalyzed Direct C-H Arylations Meng-De Wu, National Central University
SAT-PB-006 P4-0041	Design, synthesis, and sensing application of a fluorescent probe for mercury ion detection Yu-Cheng Lin, Chung-Shan Medical University
SAT-PB-007 P4-0042	A novel 7-hydroxyquinoline-based fluorescent probe for the detection of hydrogen sulfide Li-Ting Lin, Chung-Shan Medical University
SAT-PB-008 P4-0058	Development of novel fluorophore with ESIPT characteristics and its application in detecting metal ions 吳育慧, National Kaohsiung University of Science and Technology
SAT-PB-009 P4-0066	Organic Sensors with Silane Ether Groups for Fluoride Ion Detection in Water. Hsiao-wen Chiu, Chinese Culture University
SAT-PB-010 P4-0073	2-Oxo-4-Phenyl-2,5-Dihydrofuran-3-Carbonitrile-based Deep-Red Fluorescent Molecules Featuring AIE Characteristics Shih-Fan Liu, Tamkang University
SAT-PB-011 P4-0075	Rh(III)-Catalyzed C-H Annulation of Benzimidazole-5-Carboxylic Acid with Iodonium Ylide Yu-Sheng Cheng, National Yang Ming Chiao Tung University
SAT-PB-012 P4-0077	Development of New Targeting Peptide- Drug Conjugates in Enhanced Sensitivity of Antihistamine and Hydroxamic Acid Derivatives for Lung Cancer Treatment Song-Han Chen, National Chung Cheng University
SAT-PB-013 P4-0079	Synthetic Development and Attracting Activity Examination of the Sex Pheromone of Tomato leafminer, <i>Phthorimaea absoluta</i> Yan-Ting Wu, Chaoyang University of Technology
SAT-PB-014 P4-0080	Development of the amide bond synthetic method by ball-milling Cheng-Hsu Li, National Chung Cheng University
SAT-PB-015 P4-0087	Photophysical Properties, Aggregation-Induced Emission, and Mechanoluminescence of Novel 7,7'-Bis(biaryl)-3,3'-bipyrazolo[1,5-a]pyridine Luminogens Yu-Lun Huang, National Taitung University
SAT-PB-016 P4-0088	Imidazole-Modified BODIPY Photocages: Synthesis, Photolysis Properties, and Biological Applications Yan-Chen Pan, Kaohsiung Medical University
SAT-PB-017 P4-0090	A Novel Stimuli-Response System: Combining Liquid Crystal Surfactant and Complex Emulsions Hsin-Ya Tseng, National Dong Hwa University

PB-有機化學 (Organic Chemistry)

SAT-PB-018 P4-0091	The Cyclopentane-Fused Coumarin Photocages: Ring-fusion Dictates Alternative Photolysis Pathway Chih-Ling Lin, Chung Shan Medical University
SAT-PB-019 P4-0092	Green Silver Nanoparticles Synthesized from Algae Across Taiwan with Antibacterial, Antioxidant, and Photocatalytic Properties Yu-Hsien Liu, National Taiwan Ocean University
SAT-PB-020 P4-0093	Synthesis and subsequent applications of aldehyde derivatives chih yung Tsai, CPC Corporation, Taiwan
SAT-PB-021 P4-0094	Organic dyes catalyzed photo-cyclization and it's application in the total synthesis of (-)-pyrrolidine-197B Bo-Kai Chang, National Chiayi University
SAT-PB-022 P4-0095	Nickel-Catalyzed Stereoconvergent Cross-Coupling of (E)- and (Z)-Mixed Alkenyl Methyl Ethers You-You Chou, National Kaohsiung Normal University
SAT-PB-023 P4-0096	Quinoxaline-based high-efficiency materials for organic light-emitting diodes (OLEDs) 賴珮瑜, Providence University
SAT-PB-024 P4-0098	Development of Novel Aggregation-Induced Emission Probes Based on an AChE-Mimic Peptide for Organophosphate Pesticide Detection Yi-Ling Teng, National Dong Hwa University
SAT-PB-025 P4-0101	Synthesis of benzimidazole-fused naphthalenetetracarboxylic dianhydride and perylene imide derivatives as Near-Infrared materials for optoelectronic applications Ting-Jun Jiang, Providence University
SAT-PB-026 P4-0107	Redox Responsive Coumarin-Triphenyliminophosphorane Fluorophores: A Novel Probe for Ferric Ion Detection Yi Chia Lin, Chung Shan Medical University
SAT-PB-027 P4-0108	Design and Synthesis of Acid-Stable NBD-TPIPP Fluorophores with Tunable Electronic Properties Qian Wei Zhu, Chung Shan Medical University
SAT-PB-028 P4-0121	Investigation of Bioactive Constituents from the Extracts of the Cladodes of <i>Opuntia stricta</i> Xin-Yu Jin, National Pingtung University
SAT-PB-029 P4-0122	Sterol-related metabolites were newly identified and isolated from the octocoral <i>Capnella imbricata</i>. Liang-Yu Chen, National Pingtung University
SAT-PB-030 P4-0004	Rapid Naked-eye Detection of Hg²⁺ in Aqueous Media Using Functionalized Pillar[5]arene-Based Chromogenic sensors Kai-Chi Chang, National Chi Nan University
SAT-PB-031 P4-0005	Discovery of ME2 Inhibitors for the Treatment of Acute Myeloid Leukemia Ming-Zhe Guo, National Health Research Institutes
SAT-PB-032 P4-0006	Preparation of Phenylboronate-based FRET Probes Functionalized with Gold Nanoparticles for Hydrogen Peroxide Detection Meng-Chieh Huang, National Chung Hsing University
SAT-PB-033 P4-0008	Synthetic Study toward The Total Syntheses of (±)-Cumbiasins Yu-Tung Liu, National Health Research Institutes
SAT-PB-034 P4-0009	Synthesis of 4H-Indeno[1,2-c]isoxazoles via Intramolecular Cyclization of ortho-Arylmethanone O-Methyloxime-Substituted 3,5-Diarylisoxazole Pei-Shen Xiao, National Taitung University

PB-有機化學 (Organic Chemistry)

SAT-PB-035 P4-0010	Uncovering the Supramolecular Scissor-like Mechanism in Dynamic Molecular Crystals via Semifluoroalkyl Chain Length Modulation Shu-Huan Tsai, National Taiwan University
SAT-PB-036 P4-0011	Probing the Field Effect of Local Dipole Moments on a Push-Pull Fluorophore Ting-Yu Lu, National Taiwan University
SAT-PB-037 P4-0013	Large Positive Alkyl Chain Length Effect on Polymorphic Transition of Molecular Crystals Involving Supramolecular Gear Rotation Hsu-Chi Chang, National Taiwan University
SAT-PB-038 P4-0014	Tuning the Solid-State Pt-Pt Interaction in Pt(II) Complexes: the Pentiptycene Positional Effect Bao Zhen Ding, National Taiwan University
SAT-PB-039 P4-0019	Ts-Containing Electron-Deficient Olefin Precursors: Approach for Catalytic Wittig Reactions and Michael Additions Pei-Shan Wu, National Taiwan Normal University
SAT-PB-040 P4-0020	Enantioselective Diversity-Oriented Synthesis of Spiroisoxazolinone Scaffolds via Organobase-Controlled Cascade Reaction Chia-Yen Chang, National Taiwan Normal University
SAT-PB-041 P4-0021	Diversity-Oriented Synthesis of Spiropentadiene Indolines and Cyclopenta[b]indoles from Doubly Conjugated Oxindoles via Intramolecular Wittig Reaction/C-Acylation Ru-Yin Yu, National Taiwan Normal University
SAT-PB-042 P4-0022	Exploring Michael Addition and Umpolung Reaction of γ-Vinyl Alkynoate with 3-Homoacyl Coumarins Enabled by Phosphine Reagents and Acid Additives Yi-Jen Chen, National Taiwan Normal University
SAT-PB-043 P4-0023	Synthetic Application of 1,3-Dicarbonyl-2-arylidene Precursors: Enantioselective Synthesis of Pyrano[3,2-c]quinolinone Po-Hsuan Pan, National Taiwan Normal University
SAT-PB-044 P4-0024	Visible Light-Driven Oxidative Spirolactonization of Hydroxyalkyl Furans via Conjugated Microporous Polymer Catalysis Wen-Hsuan Lee, National Sun Yat-sen University
SAT-PB-045 P4-0025	Phosphine-Mediated Cycloaddition of <i>o</i>-Bis-Ynones for Synthesis of Indeno[1,2-c]furans and Indanone Derivatives Durgaprasad Gurram, National Taiwan Normal University
SAT-PB-046 P4-0026	Synthesis of α,β-diamino phosphonates from chiral <i>N</i>-sulfinyl imine via Cs_2CO_3-mediated asymmetric hydrophosphonylation Jih-Sung Yu, National Central University
SAT-PB-047 P4-0027	S,N-Heteroheptacenes: Study on New Synthetic Routes and Optoelectronic Applications Huang Jia Xin, National Central University
SAT-PB-048 P4-0028	Electrochemical Reduction of Carbon Dioxide Using Non-Planar Iron Porphyrin as Catalyst Tao-Yuan Wang, National Chung Hsing University
SAT-PB-049 P4-0029	Glycosylated Fullerene-Based Host-Guest Nanocarriers for Targeted Dual-Mode Therapy in Triple-Negative Breast Cancer Cells 王繹誠, National Chung Hsing University
SAT-PB-050 P4-0031	Asymmetric Norrish Type II Rearrangement For the Synthesis of α-Fluoro-β,γ-Unsaturated Esters Pei-Shan Lin, National Sun Yat-sen University

PB-有機化學 (Organic Chemistry)

SAT-PB-051 P4-0032	Asymmetric Organocatalytic Desymmetric Domino Reactions of 1,3-Indandione Derivatives with Enal-tethered Cyclohexadienones Jun-Wei Zhang, National Chung Hsing University
SAT-PB-052 P4-0033	Lewis Base-catalyzed [3+2], [3+2]/[3+2] and [4+2] Cycloaddition Reactions of 1,3-Indanedione and Allenates Wu-Dong Yu, National Chung Hsing University
SAT-PB-053 P4-0034	Hydrogen-Bond-Donor-Directed of Diastereodivergent Enantioselective Vinylogous Addition of Ketoesters with Allyl Ketones Xin Yi Chen, National Chung Hsing University
SAT-PB-054 P4-0035	Asymmetric [3+3] Annulation Reactions of Isatin-derived MBH Carbonates with 2-Alkylidene-1,3-Indandiones De-Sin Kong, National Chung Hsing University
SAT-PB-055 P4-0036	Novel Method to Synthesis of Azabicyclo[1.1.1]pentane via One Carbon Insertion to Azabicyclo[1.1.0]butane by Strain Release Yu-Chun Ding, National Sun Yat-sen University
SAT-PB-056 P4-0037	Divergent Synthesis of Fluorene Derivatives from Spiro-indandiones Tz-Ting Wen, National Chung Hsing University
SAT-PB-057 P4-0038	Synthesis of α-Aryl Vinyl Phosphonates and Sulfones by Palladium-Catalyzed Suzuki-Miyaura Coupling in Water Juyun Li, National Taipei University of Technology
SAT-PB-058 P4-0039	Synthesis of N-Glycan Penta-saccharide Inner-core Wei Hung Lin, National Tsing Hua University
SAT-PB-059 P4-0040	Sequential bottom-up synthesis of stimuli-responsive block copolymer nanoparticles in a 3D-printed modular microfluidic platform Reynaldo Carlos Montalbo, Academia Sinica
SAT-PB-060 P4-0043	tacking Properties of Triarylamine Oligomers with a Curved Diquinoline Bridging Unit: Synthesis and Investigation of Radical Cation Delocalization Jhih-Syong Jhang, National Taipei University of Technology
SAT-PB-061 P4-0044	Boosting Efficiency of NiOx-based Inverted Perovskite Solar Cells through organic molecule Interface Modulation Chia-Hui Hu, National Taipei University of Technology
SAT-PB-062 P4-0045	Solvent-Assisted, Brønsted Base-Controlled, and Regio-Divergent Synthesis of Intricate Spiro-Pyrazolone Scaffolds via Asymmetric Vinylogous Michael Reactions GaneshShantaram Khomane, National Taiwan Normal University, Taipei
SAT-PB-063 P4-0046	Total Synthesis of (\pm)-Pelseneeriol-1 and -2 Pin-Chih Lin, National Health Research Institutes
SAT-PB-064 P4-0047	Synthesis of 1,2,3-triazine derivatives for the functionalization of Cy5 analogs Yu-Ting Liu, National Taipei University of Technology
SAT-PB-065 P4-0048	C (sp³) – C(sp³)/ C (sp³) – C(sp²) Dicarbonylfunctionalization of Alkene via Nickel/ Bromide Relay Catalysis: Synthesis of Azetidine with a C3 All-Carbon Quaternary Center HuaYi Lee, National Sun Yat-sen University
SAT-PB-066 P4-0049	Base-Catalyzed Synthesis of Cyclopentadiene- and Pyran-Fused Pyrroloquinolinones via Sequential Knoevenagel/IMHDA/Ring Contraction or Direct Knoevenagel/IMHDA Reactions RaghunathMaruti Walunj, National Taiwan Normal University
SAT-PB-067 P4-0050	Development of bis(4-dialkylaminosalicylidene)hydrazine derivatives and their applications in imaging latent fingerprints 許翰芩, National Kaohsiung University of Science and Technology

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SAT-PB-068 P4-0051	Direct identification of intact proteins using a low-resolution mass spectrometer with CIDn/ETnoD Cheng-Yu Kuo, National Chung Hsing University
SAT-PB-069 P4-0052	Synthesis Method of Diamine Monomers Containing Ester Groups Hsu Way-Chih, CPC Corporation, Taiwan
SAT-PB-070 P4-0053	Synthesis of Fused Porphyrin and Porphyrin meso-meso Dimer for Defect Passivation of Perovskite Solar Cells Yang-Kuan Lin, National Chung Hsing University
SAT-PB-071 P4-0054	A kinetic-controlled chemoselective macrocyclization approach to access mono- and multicyclic peptides Yi-Hsien Chou, National Cheng Kung University
SAT-PB-072 P4-0055	A Versatile Heteroatom Nucleophile Hub Approach for the Bioconjugation of Thiols and Amines Shu-Sin Tsai, National Cheng Kung University
SAT-PB-073 P4-0056	Perfluoro Alkyl Chain Influence on Photophysical Properties and Molecular Packing of Fluorophores Shirisha Chettukindhi, National Dong Hwa University
SAT-PB-074 P4-0057	Design and Synthesis of BINOL-based Supramolecular Compounds for Application in Asymmetric Catalysis Kuan Ju Chen, National Taiwan University
SAT-PB-075 P4-0059	Nickle-Catalyzed Hydrogenation of Alkenes with Sodium Borohydride in Water Chia Ting Hsieh, National Taipei University of Technology
SAT-PB-076 P4-0061	Chemical Synthesis of Resveratrol Derivatives for Activity-Based Protein Profiling I-Ting Kuo, National Sun Yat-sen University
SAT-PB-077 P4-0062	Evaluation of Remote Group Participation Effect in 2-Azido-2-Deoxy-1-thioglucoside Donors with Acetyl or Benzoyl Groups Po-Wei LU, Institution of Chemistry
SAT-PB-078 P4-0063	The characterization of polysulfide containing quaternary ammonium salt by inverse vulcanization as the cathode materials of Li-S battery. Yu-Yan Chen, National Sun Yat-sen University
SAT-PB-079 P4-0064	Carboxylate Directed C-H Allylation with Allyl Alcohols under Palladium Catalysis Shao-Ming Huang, National University of Kaohsiung
SAT-PB-080 P4-0065	Sulfohistidine-Tag – A Bifunctional Tag With Solubilizing And Affinity Properties That Facilitates The Synthesis Of Difficult Protein Yu Te Chou, National Cheng Kung University
SAT-PB-081 P4-0067	Palladium-Catalyzed Olefin Functionalization and 4+2 Cycloaddition of (Z)-γ, δ-Unsaturated Carboxylic Acids Via Heck Reaction Yong-Yu Zheng, National University of Kaohsiung
SAT-PB-082 P4-0068	Developing a Green Protocol for Metal-Free and Ligand-Free Synthesis Pathway of 1,3-Dienes and Tertiary/Secondary Ethers Yuan-Lun Chung, National University of Kaohsiung
SAT-PB-083 P4-0069	Synthesis of π-Conjugated Cyclic Aromatic Hydrocarbons Porphyrin for Dye-Sensitized Solar Cells Ching-Ying Huang, National Chung Hsing University
SAT-PB-084 P4-0070	Porphyrin-based Organic Mixed Ionic-Electronic Conductors Ying-Hsiu Chen, National Chung Hsing University

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SAT-PB-085 P4-0071	A Light-Driven Molecular Ratchet Gated by Excited-State Donor-Acceptor Interactions Chun-Wei Chiu, National Taiwan University
SAT-PB-086 P4-0072	Development of Organic Dye Chemical Sensor with Imine Structure Its Application to Heavy Metal Detection Shi-Chen Lee, Chinese Culture University
SAT-PB-087 P4-0074	Design and Characterization of Yellow Luminescent Molecules with Aggregation-Induced Emission Properties Yan-Chi Tzeng, Tamkang university
SAT-PB-088 P4-0076	通過直接 C-S 交叉合成多取代乙烯基砵耦合 TIAN-SIH HUANG, Fu Jen Catholic University
SAT-PB-089 P4-0078	Microwave-Assisted Rhodium (III)-Catalyzed [3+3] Annulation of 2-Benzyl-2H-Indazole-6-carboxylic Acids with Iodonium Ylides: A Regioselective Synthesis of Indazole-Fused Chromenes Hung-Sheng Hsieh, National Yang Ming Chiao Tung University
SAT-PB-090 P4-0081	Efficient and Stereoselective Synthesis of C5-Substituted Uronic Isofagomines as β-Glucuronidase Inhibitors Rajendra Papat Parande, Academia sinica
SAT-PB-091 P4-0082	Supramolecular Stimuli-responsive Materials with Twisted Structural Framework Krishna Borde, Academia Sinica, Taipei, Taiwan
SAT-PB-092 P4-0084	Metal-free developments of C-S/C-N bond formation via multicomponent reaction Alageswaran Jayaram, Kaohsiung Medical University
SAT-PB-093 P4-0085	Photothermal Aza-Michael Addition of Divergent Amines to Vinyl Sulfones: A Method Towards Transition Metal- and Base-Free Medium Tamilselvan Duraisamy, Kaohsiung Medical University
SAT-PB-094 P4-0086	Sustainable Synthesis of Polyfluoro-Imidazo[1,2-a]pyrimidine Derivatives via a Metal- and Solvent-Free Tandem Strategy – Ultrasound and Integrated Continuous Flow System Vijay Thavasianandam Seenivasan, Kaohsiung Medical University
SAT-PB-095 P4-0097	Total Synthesis of (+)-Oxocrinine and (+)-epi-Vittatine by Asymmetric Oxidative Dearomatization Cheng Hsun Huang, National Yang Ming Chiao Tung University
SAT-PB-096 P4-0100	UV-Vis-NIR Panchromatic Absorption Dyes Incorporating Benzimidazole-fused Naphthalene Imide and Anhydride Derivatives Changhuai Chih, Providence University
SAT-PB-097 P4-0102	Development of O-Sialylation Method in Mechanochemistry Bo-Chang Ruan, National Chung Cheng University
SAT-PB-098 P4-0103	A series of highly selective chromogenic and fluorogenic chemodosimeters for the dual detection of CN^- in aqueous media based on a donor-acceptor system YuHsuan Lin, Tunghai University
SAT-PB-099 P4-0104	One-Pot Synthesis of 2-Aryl-Quinolone Derivatives by p-TsOH.H₂O-Mediated Oxidative Cyclization of Amino Chalcones in Batch and Continuous-flow Chien Chia-Yu, Kaohsiung Medical University
SAT-PB-100 P4-0105	Catalyst-free activation of N-C(O) Amide bonds – efficient cascade synthesis of N-acyl thiocarbamides in batch and continuous-flow ChenNian Qi, Kaohsiung Medical University
SAT-PB-101 P4-0106	Self-Assembled Dual-Network Hydrogel via Dynamic Schiff Base Cross-Linking for Moist Wound Dressings 林家祺, National Taipei University of Technology

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SAT-PB-102 P4-0109	Base mediated chemospecific cleavage of the C(=O)–C bond of gem-dichloroacetamide: Towards access of carbamoyl azides and phenylurea Yeh Ting-Wei, Kaohsiung Medical University
SAT-PB-103 P4-0110	Base-promoted triple cleavage of CCl₂Br: A direct one-pot synthesis of unsymmetrical oxalamide derivatives Yu-Ming Liu, Kaohsiung Medical University
SAT-PB-104 P4-0112	Distinct Bistable Ratiometric Emissions of DPAC-Based Geometric Macrocyclic Isomers with Adjustable Nano-Twisted Structures Tuned by Optical-Switchable Molecular Motors Chun-Hao Chiu, National Yang Ming Chiao Tung University
SAT-PB-105 P4-0113	Synthesis and Study of Loosened/Tightened Loops of [2]Rotaxane Dimers Containing Tunable Vibration Induced Emissions of DPAC-Based Di-Guests and Photo-Switchable Diarylethene-Based Di-Hosts with Controllable FRET Behaviors Danh La Duc Thanh, National Yang Ming Chiao Tung University
SAT-PB-106 P4-0114	An Improved and Practical Synthesis of Carpanone and Its Analogs Based on Cu(II)/TMEDA Catalytic Oxidative System Yio-Ning Tu, National Kaohsiung Normal University
SAT-PB-107 P4-0116	Two Distinct Gold-Catalyzed Oxidative Annulations of 1,5-Allenynes with Nitrones to Yield 1-Naphthol Derivatives Bearing 2,3- versus 3,4-Fused Nitroxy Rings Debashis Barik, National Tsing Hua University
SAT-PB-108 P4-0117	Fluorometholone-modified antibody as an inhibitor for the KRASG12D mutant protein in pancreatic cancer Yi-Jin You, National Chung Cheng University
SAT-PB-109 P4-0118	An Intramolecular Reaction between Pyrroles and Alkynes leads to a Pyrrole Dearomatization under Cooperative Actions of Gold Catalyst and Isoxazole Cocatalysts Satish Bhausheb Dawange, National Tsing Hua University
SAT-PB-110 P4-0119	Alkoxylation of Ketone Mediated by N-Heterocyclic Carbene Borane and Sulfuric Acid in Alcohol Sudhakar Tanpure, National Health Research Institutes
SAT-PB-111 P4-0120	Nitromethane-Extrusion Reaction for Synthesis of 6H-Benzimidazo[1,2-][1,3]benzoxazin-6-ones Pin-Hui Lin, Tunghai University
SAT-PB-112 P4-0123	Photoelectrochemical Catalyzed Benzylic Trifluoroethyletherification on Biofriendly Silk-Mediated Photoelectrode Hung-Chi Chen, Soochow University
SAT-PB-113 P4-0124	Aromatic Chlorination using Sulfuric acid, Sodium Chloride, O₂, and Nitric acid in AcOH Ju-Ching Hsu, National Central University
SAT-PB-114 P4-0125	Metal-free Alkyne Annulation Enabling π-Extension of Boron-doped Polycyclic Aromatic Hydrocarbon To-Jen Chin, National Taiwan University
SAT-PB-115 P4-0126	Systematic analysis of remote participation effect on 4-O-acyl thiogalactoside Shang-Yi Chen, Academia Sinica

PC-物理化學 (Physical Chemistry)

SAT-PC-001 P2-0018	Fluorescence-detected Circular Dichroism of Single-wall Carbon Nanotubes in the Short-wave Infrared Shu-Quan Shi, Academia Sinica
SAT-PC-002 P2-0019	Cerium (Ce³⁺) ions-mediated the photo-oxidase activity of molecular rotors at neutral pH Wen-Chu Wu, Fu Jen Catholic University

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SAT-PC-003 P2-0022	Axial Tilt of Coherent Noises in IBM-Q Superconducting Devices Hsien Chao, National Taiwan University
SAT-PC-004 P2-0023	用含有 Ag 的材料製作甲醛降解 Syuan-Han Wu, Providence University
SAT-PC-005 P2-0025	Dual-Site Engineering on ZnIn₂S₄ for Photocatalytic CO₂ Reduction Bo-Chan Chang, National University of Tainan
SAT-PC-006 P2-0026	The Effects of Oxidation Levels at CsPbBr₃ Perovskite / Graphene Oxide interface on the Mechanisms in Photocatalytic CO₂ Reduction Yun-Yang Lee, National University of Tainan
SAT-PC-007 P2-0027	Nanographene modification of CsPbBr₃ Nanocrystals for Activity improvement in Photocatalytic CO₂ Reduction Yi-Ching Peng, National University of Tainan
SAT-PC-008 P2-0030	In situ generation of CuOx nanoparticles with the peroxidase-like activity at neutral pH: mechanism study and application Yu-Hsuan Huang, Fu Jen Catholic University
SAT-PC-009 P2-0039	Theoretical study of the photoelectron spectra of trifluoroacetonitrile, trifluoro(isocyano)methane, cyanofornyl fluoride, and propynoyl fluoride Yu-Sheng Yeh, National Taichung University of Education
SAT-PC-010 P2-0040	Theoretical study of the photoelectron spectra of 1,1-dicyanoethene Ji-Xiang Hong, National Taichung University of Education
SAT-PC-011 P2-0042	Theoretical study of the photoelectron spectra of prop-2-enenitrile yun-ai Lin, National Taichung University of Education
SAT-PC-012 P2-0045	Theoretical study of the photoelectron spectra of acetonitrile Yun-Ting Chiu, National Taichung University of Education
SAT-PC-013 P2-0047	Dark Plasmon Induced in Assembled Gold Nanoparticles Under Optical Trapping Shih-Ting Chen, National Kaohsiung Normal University
SAT-PC-014 P2-0058	Development of Water-Soluble N-heterocyclic Carbene-modified Multimetallic Nanocubes and Evaluation of Catalytic Activity by Surface-Enhanced Raman Spectroscopy Bo-Han Wu, Kaohsiung Medical University
SAT-PC-015 P2-0068	(Cu-S)_n 氫鍵有機框架作為螢光感測器檢測水中草甘膦 LeeChia Ying, Fu Jen Catholic University
SAT-PC-016 P2-0070	Efficient Variational Quantum Eigensolver Ansatz by Configurational State Preparation for Molecular Systems Hung Shuo Chen, National Taiwan University
SAT-PC-017 P2-0077	Theoretical study of the photoelectron spectra of propanenitrile and but-3-enenitrile Ching-Yu Chang, National Taichung University of Education
SAT-PC-018 P2-0078	Discovery of Thermally Activated Delayed Fluorescence Molecules via Generative Neural Network Zhi Lin, National Taiwan University
SAT-PC-019 P2-0079	Theoretical study of the photoelectron spectra of cis- and trans-1,2-dicyanoethene Zhi Wei Chen, National Taichung University of Education
SAT-PC-020 P2-0097	The construction of Ag/WSe₂ composite materials and their application in electrochemical dopamine detection. Wen-Ze Kang, Providence University

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SAT-PC-021 P2-0098	The study of the auxiliary material Au/ZIF-67 for detecting low-concentration hydrogen gas Kai Chi Chen, Providence University
SAT-PC-022 P2-0108	Synthesis of α-MnO₂/ZnO composites and their application in the field of hydrogen gas sensing Ya-Wen Kuo, Providence University
SAT-PC-023 P2-0110	Energetic profiling of DNA slippage mechanisms in trinucleotide repeat expansions Chun Nan Yu, National Pingtung University
SAT-PC-024 P2-0111	Exploring flavonoid binding mechanisms to G-quadruplex DNA using fluorescent intercalator displacement assay Hao Chun Hsu, National Pingtung University
SAT-PC-025 P2-0113	Single-Molecule Analysis of G-Quadruplex Folding Kinetics under Molecular Crowding Conditions Wen-Ting Chen, National Pingtung University
SAT-PC-026 P2-0122	Signal Differences of Various Lanthanide Metals in CEST Yu-Jui Tung, National Chung Cheng University
SAT-PC-027 P2-0128	A Computational Study of 1,3-Diphenylisobenzofuran derivatives in Singlet Fission Wen-Kai Wu, Providence University
SAT-PC-028 P2-0129	Investigation of the Adiabatic S₁-T₁ Energy Gap for MR-TADF and INVEST Molecules Under the Post-Hartree-Fock Methods Ding-Jun Lin, Providence University
SAT-PC-029 P2-0130	Understanding the Relationship between the Intramolecular Reorganization Energy in the Local Excitation and Charge Transfer States of Donor-Acceptor Systems Cheng-Chan Hsieh, Providence University
SAT-PC-030 P2-0131	A Computational Study of Antiaromatic Molecules for Intramolecular Singlet Fission Materials Wei-Chen Ma, Providence University
SAT-PC-031 P2-0133	In-situ Visualization in Crystallization of Tetraphenylethylene Supersaturated Solution by Nanosecond Pulsed Laser Yu-Ting Hong, National Taitung University
SAT-PC-032 P2-0134	Acceleration of Tetraphenylethylene Crystallization in Supersaturated Solution by Continuous-wave Laser Irradiation at 405 nm Yu-Tung Wu, National Taitung University
SAT-PC-033 P2-0001	Observation and analysis of crystallization behavior with gold and silicon nanoparticles: a novel approach to optical trapping-induced crystallization Hao-Tse SU, National Yang Ming Chiao Tung University
SAT-PC-034 P2-0002	Reaction kinetics for the esterification of 1-butanol and acrylic acid Lie-Ding Shiau, Chang Gung University
SAT-PC-035 P2-0003	Crystallization behavior of sodium bromate under focused laser irradiation Chia-Chi Chang, National Yang Ming Chiao Tung University
SAT-PC-036 P2-0004	Laser-driven chiral switch: power-controlled reversal of enantiomeric excess in sodium chlorate crystals Yi-Feng Chu, National Yang Ming Chiao Tung University
SAT-PC-037 P2-0005	Optical Trapping Enhances Supramolecular Photocyclodimerization of 2-Anthracenecarboxylic Acid mediated by β-Cyclodextrin Yi-Ren Chen, National Yang Ming Chiao Tung University

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SAT-PC-038 P2-0006	Harnessing Electron-Capturing Gold Nanoparticles with Electroactive Liposome Membranes for Redox Disruption in Targeted Cancer Therapy Yan-Ling Liu, National Cheng Kung University
SAT-PC-039 P2-0007	A Computational Study of the Electron Detachment Energies of the HfO_3^- and HfO_4^- Anions Yung-Ching Chou, University of Taipei
SAT-PC-040 P2-0008	Silicon nanoparticle-mediated optical trapping and chiral crystallization of sodium chlorate Shao-Yuan Liu, National Yang Ming Chiao Tung University
SAT-PC-041 P2-0009	Raman spectroscopic analysis of concentration dynamics in optical trapping-induced crystallization of L-phenylalanine Wei Lun Liang, National Yang Ming Chiao Tung University
SAT-PC-042 P2-0010	Vibrational Sum Frequency Generation of the Hydration Layer on a $\alpha\text{-SiO}_2$ (0001) Surface with a Neural Network Potential Seyong Choi, Pusan National University
SAT-PC-043 P2-0011	Radiative Recombination Coefficients of $\text{In}_x\text{Ga}(1-x)\text{N}$ from First-Principle Calculations Dohee Kim, Pusan National University
SAT-PC-044 P2-0012	DFT Study on Electrocatalysis of Metal-doped C60 for Carbon Dioxide Reduction Reaction Yu-Chin Chiu, Chung Yuan Christian University
SAT-PC-045 P2-0013	DFT-Based Theoretical Investigation of NRR Catalysis with Transition-Metal-Doped PC Systems Long Fa Hong, Chung Yuan Christian University
SAT-PC-046 P2-0014	Theoretical Study Electrochemical Carbon Dioxide Reduction Reaction of Titanium Disulfide Decorated with Transition Metals Tse-Wei Chueh, Chung Yuan Christian University
SAT-PC-047 P2-0015	Catalytic Performance of Amorphous Gold and Amorphous Gold Modified with Platinum Atoms in Water-Splitting Hydrogen Evolution Reaction Hungtzu Hsuan, Tunghai University
SAT-PC-048 P2-0016	Investigating the Effect of Chemical Oxidants on Fluorescent Quantum Defects in Single-Wall Carbon Nanotubes ThuyMinh Vo, Institute of Atomic and Molecular Sciences, Academia Sinica
SAT-PC-049 P2-0017	A Fluorescent Temperature-jump System for Illustrating Protein Dynamics on the Millisecond Timescale Liang-Che Kung, National Tsing Hua University
SAT-PC-050 P2-0020	Battery study on testing different metal anodes and cathodes in aluminum-ion electrolytes 謝昇展, Tunghai University
SAT-PC-051 P2-0021	Enhanced Catalytic Cycle of Glucose Oxidation and Reactive Species with ROS and RNS Generation Mediated by Galvanic Engineering of Dual Atomic Sites on Covalent Organic Frameworks Synergistic Bimetal Tumor Treatment Wen Ling Lin, National Cheng Kung University
SAT-PC-052 P2-0024	Dehydration Thermodynamics of Glyoxal Aqueous Aerosols Kuan-Yi Liu, National Tsing Hua University
SAT-PC-053 P2-0028	CFPB Nanoframe Applied in Diabetic Wound Healing Yen Hsi Lin, National Cheng Kung University

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SAT-PC-054 P2-0029	An exceptional water stable terbium-based metal-organic framework for selective detection of pesticides Ting-En Lin, Fu Jen Catholic University
SAT-PC-055 P2-0031	Investigation of Photocatalytic CO₂ Reduction Pathways by Catalyst CuBi₂O₄ via In-situ Raman Spectroscopy Xiao-Min Lin, National Tsing Hua University
SAT-PC-056 P2-0032	Exploring CO₂ Photocatalytic Reduction Mechanism and Vibrational Structure of Crystalline Bismuth Telluroiodide via Raman Spectroscopy Fu-Yu Liu, National Tsing Hua University
SAT-PC-057 P2-0033	Using Time-resolved Fourier Transformed Near-Infrared Spectroscopy to Resolve the Kinetic Model of Triplet States Quenching Louis Chen, National Tsing Hua University
SAT-PC-058 P2-0034	Relaxation Mechanisms of Excited States of Hemicyanine Monomer and Dimer In Solution Liangxuan Chen, National Tsing Hua University
SAT-PC-059 P2-0035	Photodynamic and photothermal synergetic properties and therapeutic application of NIR-activated Au nanorods coating covalent organic frameworks nanocomposites in cancer treatment Chih-Yun Lin, National Cheng Kung University
SAT-PC-060 P2-0036	Rational Design of Reverse Osmosis Membranes for Separations Yen-Yung Wu, National Taiwan University
SAT-PC-061 P2-0037	Efficient HEOM-2DES Simulation Code with GPU Implementation Kai Cheng Liu, National Taiwan University
SAT-PC-062 P2-0038	Predict half-wave potential of organometallic compounds by hierarchical graph convolutional neural networks Yi-Hsuan Liu, National Tsing Hua University
SAT-PC-063 P2-0041	Theoretical study of the photoelectron spectra of 3-fluoropropyne Chun-Chun Chuang, National Taichung University of Education
SAT-PC-064 P2-0043	Film Science of Triplet States: Rose Bengal as a Model Compound Bo Han Wu, National Tsing Hua University
SAT-PC-065 P2-0044	Electronic Structure Modulation and Performance Enhancement of Amorphous NiP and CoNi-based Phosphides in Hydrogen Evolution Catalysis Hsiao-Yu Lin, Tunghai University
SAT-PC-066 P2-0046	Theoretical study of the photoelectron spectra of 2-fluoroacetonitrile Jhih-Yang Chiu, National Taichung University of Education
SAT-PC-067 P2-0049	Electrocatalytic CO Reduction to C1 and C2 Products on Metal Decorated C₃N₄ Nanotubes Hung-Hsi Tsai, National Taiwan Normal University
SAT-PC-068 P2-0050	Designing Extrinsic Porosity in Supramolecular Organic Frameworks: Structural Control with Giant Tetrahedral Molecules 鍾秉軒, National Taiwan University
SAT-PC-069 P2-0051	Theoretical study of the photoelectron spectra of 1,1-difluoroallene Chen-Ni Chen, National Taichung University of Education
SAT-PC-070 P2-0052	Unveiling Strain Effects on the Electrocatalytic Performance of Fe-decorated g-C₃N₄ Surfaces Sih-Ling Hsu, National Taiwan Normal University

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SAT-PC-071 P2-0053	A Computational Study on Photocatalytic Decarboxylative [2+4]/[2+2] Cycloaddition of Coumarin and Olefin Ting Yi Chuang, National Tsing Hua University
SAT-PC-072 P2-0054	Ultrasonic-assisted Alkali-Activated Biochar for Enhanced CO₂ Capture Yi Wei Chiang, National Sun Yat-sen University
SAT-PC-073 P2-0055	Time-Resolved SERS Analysis of Dye Interactions with Silver Nanoparticles in a Dual-Dye System Chih An Hsieh, National Chiayi University
SAT-PC-074 P2-0056	Defective Boron Nitride Supported Double-Atom Catalysts Featuring Inverse Sandwich Structure for CO₂ Reduction Reaction Dinesh Kumar Dhanthala Chittibabu, Chung Yuan Christian University
SAT-PC-075 P2-0057	Enhanced CO Conversion on B-Doped g-C₃N₄ Nanotubes Yu-Teng Tsai, National Taiwan Normal University
SAT-PC-076 P2-0059	Computation of the adiabatic ionization energy of dimethylketene using the complete basis set limit approach Kai-Siang Jheng, Nation Taichung University of Education
SAT-PC-077 P2-0060	Maghemite (γ-Fe₂O₃) intercalated fluorophlogopite: the flexible magnetic materials Yi-Jyun Chen, National Tsing Hua University
SAT-PC-078 P2-0061	Designing Double-Channel Architectures: A CT and π-π Interaction Approach Wei-Yuan Lo, National Taiwan University
SAT-PC-079 P2-0062	Elevating the Complexity of Frank-Kasper Phase Through Chain-Length Asymmetry in Dendron Systems shi-yong chen, National Taiwan University
SAT-PC-080 P2-0063	Creating Artificial Active Sites On The Complex Spherical Phase Through Blending The Aliphatic/Aromatic Wedge-shaped Motifs Yong-Rui Wang, National Taiwan University
SAT-PC-081 P2-0064	Theoretical Establishment and Screening of Double-Atom Catalysts Supported on Biphenylene for Efficient Electrocatalytic Nitrogen Reduction Reaction Kiruthika Pandiyan, Chung Yuan Christian University
SAT-PC-082 P2-0065	Topochemical photoisomerization in densely packed hydrazone derivatives Po-Wen Chen, Academia Sinica
SAT-PC-083 P2-0066	Unraveling the Binding Interaction Profile of Cofilin: A Protein Frustration Analysis Approach 魏亭宜, National Chung Cheng University
SAT-PC-084 P2-0067	Exploring the Secondary Nucleation Mechanism on Fiber Surfaces Using Coarse-Grained Molecular Dynamics Simulation Guan-Fang Wang, National Chung Cheng University
SAT-PC-085 P2-0069	Characterization of Collapse and Revival Population Dynamics on IBM-Q Superconducting Devices Li-Chai Shih, National Taiwan University
SAT-PC-086 P2-0071	Design small molecule cancer drug using generative AI models Feng-Wei Yeh, National Tsing Hua University
SAT-PC-087 P2-0072	Reliable Microfluidics Platform for Synthesizing Size-Tunable Polymer Nanoparticles towards Cell Labeling 邱永騰, Academia Sinica

PC-物理化學 (Physical Chemistry)

SAT-PC-088 P2-0073	Facile photochemical synthesis of stimuli-responsive gold-polymer nanocomposite with tunable catalytic properties Meng-Jie Wu, Academia Sinica
SAT-PC-089 P2-0074	Utilization of Hydrophobic Deep Eutectic Solvent for Beta-Carotene Extraction and Spectroscopic Analysis Chia-Kuan Yu, National Chung Cheng University
SAT-PC-090 P2-0075	Lactic Acid/Choline Chloride Eutectic Mixture as Solvent for Lignin Studied by Vibrational Spectroscopy Chang ting Lin, National Chung Cheng University
SAT-PC-091 P2-0076	Ion-mediated RNA condensates reduce RNA hydrolysis while preserving ribozyme function Yi-Xuan Lin, National Chung Hsing University
SAT-PC-092 P2-0080	First-Principles Study on Band Gap Engineering and Photoluminescence Tuning of Carbon Nanotubes via Molecular Functionalization Zi-Xuan Tang, National Taiwan Normal University
SAT-PC-093 P2-0081	Unraveling Excitation Energy Transfer Networks in the PSI-LHCI Supercomplex ChiaoYuan Hung, National Taiwan University
SAT-PC-094 P2-0082	PEO-Based Solid-State Electrolyte with Liquid Catholyte: Revolutionizing Rechargeable Mg-O₂ Batteries Ayan Sarkar, National Taiwan University
SAT-PC-095 P2-0083	Effect of Silica Particle Size on Calcium Silicate Crystalline Phases and Material Hardness Jun-Rong Li, National Cheng Kung University
SAT-PC-096 P2-0085	Palladium -cuprous oxide composites for ozone detection 許紹群, Providence University
SAT-PC-097 P2-0086	Fluorescent Probes and Protein Structures: A Molecular Symphony Wei-Hslang Wang, National Chung Cheng University
SAT-PC-098 P2-0087	Vibrational Relaxation Assisted Excitation Energy Transfer in Cyanobacteria Photosynthetic Complexes : A Quantum Schrödinger Langevin Equation Picture 和定謙, National Taiwan University
SAT-PC-099 P2-0088	Theoretical Study on the New Types of Noble-gas Containing Neutral Molecules with Indolyl ring Yi-Chun Lin, National Chung Cheng University
SAT-PC-100 P2-0089	Stable molecules with noble-gas bonding to bicyclic aromatic substituents Yu-Wei Zhang, National Chung Cheng University
SAT-PC-101 P2-0090	Deciphering Hydrogen Bonds and Solvent Structures in N-Methylurea/Choline Chloride Deep Eutectic Mixtures through Ab Initio Molecular Dynamics Simulations Shih Huang Pan, National Taiwan University of Science and Technology
SAT-PC-102 P2-0092	Temperature-Dependent Behavior of NIPAM-Based Hydrogels Analyzed by SAXS Chun-Hao Huang, National Taiwan University
SAT-PC-103 P2-0093	Ultrafast Carrier Dynamics of the Quadruple-Cation Wide-Bandgap Tin Perovskites Studied by Femtosecond Transient Absorption Spectroscopy Hsiang-Jou Hsu, National Yang Ming Chiao Tung University
SAT-PC-104 P2-0094	Advanced Thermodynamic Analysis of Multi-Component Electrolytes using DFT and COSMO-RS models Zhong-Lun Li, National Taiwan University of Science and Technology

PC-物理化學 (Physical Chemistry)

SAT-PC-105 P2-0095	Elucidation of Ultrafast Carrier Dynamics in the Heterojunction Photocatalysis Consists of Perovskite and Metal-Organic Framework Jheng-Yi Chen, National Yang Ming Chiao Tung University
SAT-PC-106 P2-0096	Reaction dynamics of Criegee intermediates with alkanes Kuan Yi Chou, National Chung Cheng University
SAT-PC-107 P2-0100	Theoretical Investigation of Interfacial Degradation and Lithium-Ion Transport in Composite Solid Electrolytes for ASSLBs: Role of Polymer Matrices Hao-Wen Chang, National Taiwan University of Science and Technology
SAT-PC-108 P2-0101	In-Situ Reduced Graphene Oxide via Inkjet Printing for Flexible Supercapacitors Application Yu-Hsuan Ho, National Cheng Kung University
SAT-PC-109 P2-0102	Unimolecular Degradation of the Criegee Intermediates Derived from Ozonolysis of Isoprene Cuei-De Lu, National Chung Cheng University
SAT-PC-110 P2-0103	Innovative Antioxidant Strategy Based on Photocatalytic Activation of Wood Vinegar and Iron-Copper Biochar Composite Materials Wei-Hao Lu, National Sun Yat-sen University
SAT-PC-111 P2-0104	Using AlphaFold2 for Protein Structure Prediction: Analyzing BSA, Aβ42, and α-Synuclein 陳宏毅, National Chung Cheng University
SAT-PC-112 P2-0105	Interrogating Steady-State Multielectron and Multistep Reactions Mediated by an Electrocatalytic Heterogeneous Film Yu-Wei Chen, National Sun Yat-sen University
SAT-PC-113 P2-0106	Artificial Translation Modes for Efficient Anharmonic Vibrational Analysis of Hydrogen-Bonded Systems Qian-Rui Huang, Academia Sinica
SAT-PC-114 P2-0107	Mechanistic Insights on Ligand-Controlled Rh(I)-Catalyzed Ring-Closure: Diene vs Bisphosphine Ying-Xin LI, National Taiwan Normal University
SAT-PC-115 P2-0109	EUV Sensing and Imaging with Fluorescent Diamonds for Semiconductor Photolithography Pei-Jie Wu, Academia Sinica
SAT-PC-116 P2-0112	Mechanistic Insights into Methanol-Mediated Thioacetalization of Benzaldehyde with 1,3-Propane Dithiol Hong Jing Xiao, National Chung Cheng University
SAT-PC-117 P2-0114	Computational Study on the Effects of Ni atom modification and their magnetic properties on the quantum capacitance of V₂NCl₂ MXene Chuan-Siang Wu, Feng Chia University
SAT-PC-118 P2-0115	DFT Investigation of Surface-Modified CuO for Enhanced Electrocatalytic CO₂ Reduction Fu Chi Teng, National Taiwan University of Science and Technology
SAT-PC-119 P2-0116	Investigation of the energy barrier in ketohexose ring-opening reactions with water Truc Quyen Thi Vo, National Taiwan University
SAT-PC-120 P2-0117	Tracking Hot Ground-State Relaxation Dynamics of the FA⁺ Cation in FASnI₃ Perovskite Solar Cell by Nanosecond Time-Resolved Infrared Spectroscopy Zheng-Kuo Chen, National Yang Ming Chiao Tung University
SAT-PC-121 P2-0118	Theoretical Investigation of Electrochemical carbon dioxide Reduction to Hydrocarbons on FeCoCuPd (111) High-Entropy Alloy Surface Kai-Hsun Lin, Feng-Chia University

PC-物理化學 (Physical Chemistry)

SAT-PC-122 P2-0119	Accelerated Conformational Search of N-Acetylated Hexosamines using Neural Network Potentials Kenee Kaiser Suyo Custodio, Academia Sinica
SAT-PC-123 P2-0120	Investigation of Ionic Liquids as Etchants and Supporting Electrolytes for Enhancing the Energy Storage Performance of MXene Electrodes: Insights from In Situ Raman and XRD JeremiahHao Ran Huang, National Cheng Kung University
SAT-PC-124 P2-0121	Unravelling the low-energy conformers of di-saccharides with first-principles accuracy assisted by neural network potentials Huu Trong Phan, Academia Sinica
SAT-PC-125 P2-0123	Solvent Effects on 5-Fluorouracil in Deep Eutectic Solvent (DES): Insights from chemical exchange saturation transfer (CEST) Teng-Yu Guo, National Chung Cheng University
SAT-PC-126 P2-0124	Sequence-Dependent Interaction Mechanism in Vancomycin Binding to a ssDNA Aptamer: A Molecular Dynamics Study Cheng-Han Liu, National Chungcheng University
SAT-PC-127 P2-0125	Microwave-Assisted CO₂-to-CO Boudouard Reaction over Ni-doped CeO₂ Nanoparticles Yen-Ting Chen, Institute of Atomic And Molecular Sciences, Academia Sinica
SAT-PC-128 P2-0126	Mechanism of Amyloid Beta(1-42) on GM1 Ganglioside Clusters on Nueronal Membrane using Molecular Dynamics Simulation Yi-Ting Lin, National Chung Cheng University
SAT-PC-129 P2-0127	Preliminary Computational Study of TMPyP4 Binding to G-Quadruplex DNA Hsing-chen Yeh, National Chung Cheng University
SAT-PC-130 P2-0132	Exploring F-π Interactions in Self-Assembled Molecules via Variable-Temperature 19F-NMR Pin-Xiang Zeng, National Taipei University of Technology
SAT-PC-131 P2-0135	Investigate the catalytic role for hydrogen evolution reaction on the Pt(100) and Pt(111) surfaces in the fuel cell: surface charging and adsorption Hung-Lung Chou, National Taiwan University of Science and Technology
SAT-PC-132 P2-0099	Molecular Dynamics Study of Ion-Solvent Interactions and Ionic Transport in High-Concentration Liquid Electrolytes Chen-Wei Hsu, National Taiwan University of Science and Technology

PD-產業應用 (Industrial Application)

SAT-PD-001 P10-0001	丙烯酸系抗靜電表面處理劑對 UV 油墨附著性與印刷穩定性研究 Hsu Kuei Feng, National Taipei University of Technology
SAT-PD-002 P10-0002	Study on the Effect of CS₂ on Selective Hydrogenation of Palladium Catalyst Hsun-Yi Huang, CPC Corporation, Taiwan
SAT-PD-003 P10-0003	The evaluation of RFCC adsorbents and to solve the problem about the performance failure Wen-Long Hwang, CPC Corporation, Taiwan
SAT-PD-004 P10-0004	Advances in Nylon Chemical Recycling: Towards a Sustainable Future Hsin-Lung Lee, Refining & Manufacturing Research Institute, CPC Corporation
SAT-PD-005 P10-0005	Carbon dioxide capture systems in refinery Cheng-Min Lee, CPC Corporation, Taiwan
SAT-PD-006 P10-0006	All Solid State PEO-based Polymer Electrolyte for Lithium Metal Batteries Chun-Hao Huang, Refining & Manufacturing Research Institute, CPC Corporation

PD-產業應用 (Industrial Application)

SAT-PD-007 P10-0007	The Numerical Study of the Effects of Groundwater Conditions on Sorption Capacity of Uranium (IV) in Bentonite Po-Chuang Chen, National Atomic Research Institute
SAT-PD-008 P10-0008	Synthesis of CaO/MgO/Al₂O₃ alkaline adsorbents for the removal of HCl acidic gas Guan-Wei Li, National Cheng Kung University
SAT-PD-009 P10-0009	Tandem Catalysis System Utilizing Three-Dimensional Covalent Organic Frameworks Molecule on Copper Nanowire for Enhanced Electrocatalytic CO₂ Reduction to C₂ Products Yu-Chun Liu, National Yang Ming Chiao Tung University
SAT-PD-010 P10-0010	Silver-Carbon Nanofiber Composite Catalysts for Industrial Electrocatalytic CO₂ Reduction to CO Yu Cheng Liu, National Yang Ming Chiao Tung University
SAT-PD-011 P10-0011	Preparation of Au/ZIF-8 Composites and Their Application in Hydrogen Production from Formic Acid Hsiang-Yun Wang, Providence University
SAT-PD-012 P10-0012	Reutilizing Pyrolysis Oil from Waste Plastics: A Feasible Approach Ding-Chi Huang, CPC Corporation, Taiwan
SAT-PD-013 P10-0013	LED packaging manufacturing process optimization Hsinchi Lee, National Taipei University of Technology, Taipei Tech
SAT-PD-014 P10-0014	Evaluation of Alternative Substrate Materials for High-Power LED Packages: Thermal Management and Reliability Analysis Wei-Ju Chen, National Taipei University of Technology
SAT-PD-015 P10-0015	Ce Decorating Carboxylic Acid-Based Iron Nickel Metal-Organic Framework Electrocatalysts for Alkaline Electrolysis in the Membrane Electrode Assembly Yu Ting Chueh, National Yang Ming Chiao Tung University
SAT-PD-016 P10-0016	Research on Interface Adhesion in Multi-layer Encapsulation Structure Design for Light-Emitting Diodes (LED) Tzu-Lun Tseng, National Taipei University of Technology
SAT-PD-017 P10-0017	Dip coated V₂O₅-MoO₃/TiO₂ catalyst on honeycomb ceramic support Tien Jen Chu, National Cheng Kung University
SAT-PD-018 P10-0018	Analysis of nano particles in chemical mechanical polishing slurries using differential mobility analyzer-condensation particle counter (DMA-CPC) Yu Hsien Wu, Industrial Technology Research Institute
SAT-PD-019 P10-0019	Batch vs Continuous-Flow Method to Synthesize N-(3-Acylamidopropyl)Lactams Through N-C Bond Cleavage in Amides with Amidines Karthick Govindan, Kaohsiung Medical University
SAT-PD-020 P10-0020	Application of graphene and silver nanoparticles in conductive films Lowen Hen, CPC
SAT-PD-021 P10-0021	Development of water-repellent and heat-insulating coatings with nano size for vehicles Chien-Hsun Haung, Chinese Culture University
SAT-PD-022 P10-0022	Development of laser-induced nickel implantation and annealing process on silicon-carbide substrates Yu-Hsin Yang, National Taiwan University

PS-高中生海報展 (High School Student Poster)

SAT-PS-001	校園植物多酚降解水中硝酸鹽及亞硝酸鹽可行性研究 Ching-Jui Chen (陳靖叡), Chien-Hao Hung (洪千皓), Wang-Chang Tsai(蔡旺璋老師), Taichung Municipal Taichung Girls' Senior High School
SAT-PS-002	「碘精之比」-以手機光感測器比色法測量三碘陰離子生成反應的平衡常數 Jia-Jun Yeh (葉家均), Ya-Qing Tsai (蔡亞情), Wang-Chang Tsai (蔡旺璋老師), Taichung Municipal Taichung Girls' Senior High School
SAT-PS-003	使用青梅果核廢料環保合成碳量子點探討對抗老年人牙周菌機制 Ying-Chi Lu (呂英綺), Wang-Chang Tsai (蔡旺璋老師), Taichung Municipal Taichung Girls' Senior High School
SAT-PS-004	鈦錳啦！藍「解」「除」橘！ - 探討 MnO_2 及 TiO_2 對亞甲藍及甲基橙的去除效果 Yu-Qian Liang (梁瑀倩), Guan-Wei Chen (陳冠維), Tsung-Hsien Yu (游宗憲老師), The Affiliated Senior High School of National Chung Hsing University
SAT-PS-005	最「醇」黃金比例-廷得耳效應 Yang-Shin Shih (施養鑫), Yu-Jeng Wang (王昱証), Hsiao-Chien Liu (劉曉倩老師), National Changhua Senior High School
SAT-PS-006	Exploring Betel Nut Tannic Acid: A Natural Sensor for Detecting Metal Ion Precipitation in Water Hsien-Chia Huang (黃獻家), Kai-Chia Nien (粘豈嘉), Ching-Chan Huang (黃經展), Hsiao-Chien Liu (劉曉倩老師), National Changhua Senior High School

POSTER SESSION II – March 9 (DAY 2)

PE-無機化學 (Inorganic Chemistry)

SUN-PE-001 P1-0013	Synthesis and Reactivity Study of m-Terphenyl Substituted Borinium Cation Bo-An Chen, National Taiwan University
SUN-PE-002 P1-0029	Amino-Boryloxy Aluminum Complexes: Synthesis and Catalytic Applications in Ring-Opening Polymerization yun-chi Chang, Providence University
SUN-PE-003 P1-0032	Synthesis and recognition behavior studies of benzimidazole derivative containing quinoline moiety 謝維晉, Chaoyang University of Technology
SUN-PE-004 P1-0052	Synthesis and Structural Characterization of Cd(II) Coordination Polymers Constructed by 1,3,5-Tris(4-pyridylsulfanyl-methyl)2,4,6-trimethyl-enzene (L1) and Dicarboxylated Ligands Li-Ching Cha, Soochow University
SUN-PE-005 P1-0054	Synthesis and Catalytic Investigation of N-Heterocyclic Carbene Palladium Complexes Incorporating Hexamethylenetetramine Ligands in Suzuki Coupling Reactions Zi-Yi Zheng, Providence University
SUN-PE-006 P1-0056	Hydrophobic Ag Nanowires enable Industrial Electrocatalytic Carbon Dioxide Reduction to Carbon Monoxide Shuo-Peng Lin, national yang ming chiao tung university
SUN-PE-007 P1-0057	Structural Characterization and Properties of Co(II) metal-organic frameworks (MOFs) constructed by 1,3,5-tris(4-pyridylsulfanyl-methyl)2,4,6-trimethyl-Benzene (L1) and dicarboxylated Ligands Tsai-Ni Chen, Soochow University
SUN-PE-008 P1-0059	Synthesis of a novel amino boroyl oxide zinc complex and its catalytic study in ring opening polymerization Pei Yu Lin, Providence University
SUN-PE-009 P1-0062	Ring Opening Polymerization of Epichlorohydrin, Tert-butyl Glycidyl Ether and Copolymers Catalyzed by Aluminum Complexes Bearing 1,1,1-trimethyl-N-arylsilanamine Derivatives Fei Huang, Kaohsiung Medical University
SUN-PE-010 P1-0065	Structural Diversity and Property of Six Solvent-dependent Structural Isomeric MOFs of [Ni(4-bpd)2(NCS)2] (4-bpd = 1,4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene) Wanghsiao Ling, Department of Chemistry
SUN-PE-011 P1-0077	Structural Diversity and Property of Six Solvent-dependent 2D or 3D Coordination Polymers Constructed by [Co(NCS)2] with 1,4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene (4-bpd) Ligands 宋玟瑩, Soochow University
SUN-PE-012 P1-0083	Design of High-Efficiency Blue-Green and Near-Infrared Iridium(III) Complexes in Light-emitting Electrochemical Cells(LECs) 李昀蓉, Providence University
SUN-PE-013 P1-0084	Microwave-Assisted Synthesis of PtNiW/rGO for Direct Methanol Fuel Cells: Effect of Metal Ratios Chin-Jou Liu, National Pingtung University
SUN-PE-014 P1-0085	Assembly of Two 3D Metal-Organic Frameworks Based on A Flexible Tripodal Thioether-based Pyridyl Ligand and 4,4'-Sulfonyldibenzoic Acid: Structural Characterization and Thermal Stability Yu-Hsuan Hou, Soochow University

PE-無機化學 (Inorganic Chemistry)

SUN-PE-015 P1-0091	Development of Porphyrin-Fused N-heterocyclic Carbene-Modified Monometallic and Bimetallic Nanoparticles and Their Potential Applications Anyu Yang, Kaohsiung Medical University
SUN-PE-016 P1-0094	Phosphorus Doped FeCo Layered Double Hydroxides as Efficient Catalysts for Oxygen Evolution Reaction Wei-Ting Lai, National Taipei University of Technology
SUN-PE-017 P1-0098	Quantum-Dot-Based Room-Temperature Operable Short-Wave Infrared Detection: From Synthesis To Practical Applications Chiao Nien, National Taiwan University
SUN-PE-018 P1-0105	Structure determination and physical property study on water-soluble ligand apytz and its chelating compounds $M(\text{apytz})_2(\text{H}_2\text{O})_{2-4}\cdot\text{H}_2\text{O}$ (M= Fe, Zn) Yucheng Su, National Taipei University of Technology
SUN-PE-019 P1-0115	Voltammetric and Electrochemical Impedance Spectroscopic Study on Organic Semiconductor Electrodes for Energy-Related Applications Cian-Yu Huang, Providence University
SUN-PE-020 P1-0117	Acyl-N Bond Activation in Twisted Amide: Palladium-Catalyzed C-C Bond Coupling using Thermochemistry and Mechanochemistry LiuYu Hsiang, Providence University
SUN-PE-021 P1-0118	Structure and magnetic properties of two fcs layered coordination polymers Wan-Chi Yang, Tunghai University
SUN-PE-022 P1-0119	Structures and magnetic properties of Co(II), Mn(II) and Ni(II)-based sql and hcp two-dimensional coordination polymers Min-Hsun Hsieh, Tunghai University
SUN-PE-023 P1-0122	Effective Palladium Precatalyst for Amination Reactions in Organic Solvent or Solvent-free Conditions: Mechanism and Applications Bo-Yu Chen, Providence University
SUN-PE-024 P1-0123	Flexible Energy Storage Device Synthesized with Novel Electrochromic Prussian Blue Electrode and Piezoelectric Self-Charging Electrolyte Yun-Liang Chen, Providence university
SUN-PE-025 P1-0125	Ru(II)-p-cymene complexes: selective and potent organometallic agents for triple-negative breast cancer Xin Wang, Chang Jung Christian University
SUN-PE-026 P1-0130	Development of a flexible and self-charging electrochemical energy device combining paper electrode coated with a conductive polymer polypyrrole and a multifunctional zinc-ion solid electrolyte Zhe-Yu Chen, Providence University
SUN-PE-027 P1-0131	Deposition of Textured Ta₃N₅ Films via Topotactic Transformation for Investigating Anisotropic Optoelectronic Properties Shin-Yu Chen, National Taiwan University
SUN-PE-028 P1-0132	Zinc-Organic Frameworks Based on Dipyridyl and Dicarboxylate Ligands: Synthesis, Structures, Properties Meng-Wei Lin, National Chi Nan University
SUN-PE-029 P1-0135	Two-fold Interpenetrated and Non-Interpenetrated Ring-and-Rod Structures Jian Cen Li, National Chi Nan University
SUN-PE-030 P1-0141	Synthesis, Crystal Structures, and Properties of Cobalt(II) Coordination Polymers Bridged by Chlorine and Bromine Ligands with 4-(2-Pyridyl) Pyrimidine Wei-Duo Lan, Tunghai University

PE-無機化學 (Inorganic Chemistry)

SUN-PE-031 P1-0144	Synthesis, Structures, and Properties of Copper(II) Carbazolylacetate Coordination Polymers Bearing 4,4'-Bipyridine or Pyrazine Ligand Li-Wu Hu, National Chi Nan University
SUN-PE-032 P1-0152	Advanced polyaniline/graphite composite materials as high- performance counter electrodes for dye-sensitized solar cells Liao Yu Chen, Providence University
SUN-PE-033 P1-0162	Investigation of Hydrogen / Oxygen Evolution Reaction on Iron Doped Cobalt Phosphide Min-Si Lee, National Taiwan Normal University
SUN-PE-034 P1-0163	Performance of graphene-iridium complex in C-N bond formation Yi-Siou Tsai, National Pingtung University
SUN-PE-035 P1-0001	Preparation and Property Studies of Cellulose Nanofiber/MOF Composites Junjay Lai, Fu Jen Catholic University
SUN-PE-036 P1-0002	Preparation, Property Studies of Hydrophilic Polyurethane/(Cu-S)_n MOFs Composites Yao-ting Huang, Fu Jen Catholic University
SUN-PE-037 P1-0003	Effective Improvement the Device Efficiency by Two Dimensional Metal Organic Framework Doped Zinc Oxide Electron Transport Layer for Organic Photovoltaics Wen Ling Kan, Fu Jen Catholic University
SUN-PE-038 P1-0004	Novel Cobalt(III)/Silver(I) Heterodinuclear Complexes: Effective Catalysts for Copolymerization of CO₂ with Terminal Epoxides Guan Lin Liu, National Chung Hsing University
SUN-PE-039 P1-0005	Design of Cu@CCC Catalyst with Molecular Cage Encapsulation for Improved Selectivity and Stability in CO₂ Reduction Tzu-Chiao Huang, National Yang Ming Chiao Tung University
SUN-PE-040 P1-0006	Design and Catalytic Applications of 432 Au Helicoid Nanomaterials in Photocatalysis and Chiral Synthesis Chun-Wen Lin, National Yang Ming Chiao Tung University
SUN-PE-041 P1-0007	Unveiling Growth Mechanism and Catalytic Applications of Chiral Metal Nanoparticles Yun-Hao Chen, National Yang Ming Chiao Tung University
SUN-PE-042 P1-0008	Copolymerization of Carbon Dioxide with Cyclohexene Oxide by Novel Dinuclear Nickel Complexes Containing Benzimidazole-based Phenolate Ligands Bing-Hong Wang, National Chung Hsing University
SUN-PE-043 P1-0009	Dispersed Ru, Ni, Co single atoms on different oxides catalysts for ammonia decomposition reaction Shih-Yu Yuan, National Yang Ming Chiao Tung University
SUN-PE-044 P1-0010	Encapsulating Metal Nanoparticles in Multi-Shelled Metal-Organic Frameworks for Catalytic Reactions Yun-Sheng Lin, National Yang Ming Chiao Tung University
SUN-PE-045 P1-0011	Comparative Study of Two Trimetallic Catalysts in RWGs & FT Reaction for CO₂ Conversion Tai-Chun Chang, National Yangming Chiaotung University
SUN-PE-046 P1-0012	Investigation of Metallic Nanostructures by X-Ray Ptychography Ching-Yi Chou, National Yang Ming Chiao Tung University
SUN-PE-047 P1-0014	Metal-BINOL Nanostructures for Electrochemical Reaction in Alkaline Media Yu-Chung Chang, National Yang Ming Chiao Tung University
SUN-PE-048 P1-0015	Topological Investigation on the Cd(II) Coordination Polymers Containing Bis-pyridyl-bis-amide and Tetracarboxylate ligands Yen-Hsin Chen, Chung Yuan Christian University

PE-無機化學 (Inorganic Chemistry)

SUN-PE-049 P1-0016	Evaluation of the Crystal Structures of Zn(II) and Co(II) Coordination Polymers Containing Bis-pyridyl-bis-amide and Biphenyl-3,3',5,5'-tetracarboxylate Ligands Zhi-Ling Chen, Chung Yuan Christian University
SUN-PE-050 P1-0017	Thermodynamic Control of Facet-Selective Cu@CuAu Core-Shell Bimetallic Nanoparticles for CO₂ Reduction Reaction Ruei-Hung Juang, National Yang Ming Chiao Tung University
SUN-PE-051 P1-0018	One-pot syntheses of chiral metallic-BINOL hybrid nanocatalyst Tony Lee, National Yang Ming Chiao Tung University
SUN-PE-052 P1-0019	Self-Assembly and Property Studies of (Cu-S)₆ Metal Clusters Shun Yi Chang, Fu Jen Catholic University
SUN-PE-053 P1-0020	One-Pot Synthesis of Copper-Based Trimetallic Nanoframes for Catalytic Applications Hsing-Ye Chen, National Yang Ming Chiao Tung University
SUN-PE-054 P1-0021	Using CuBr as Hole-Transporting Material for High-Efficiency Inverted Tin Perovskite Solar Cells I-Ching Chu, National Central University
SUN-PE-055 P1-0022	Low-Cost, High-Performance SnO₂ ETL for Lead Perovskite Solar Cells Rong-Gui Wu, National Central University
SUN-PE-056 P1-0023	Synthesis of Photochromic Ruthenium Complexes for Dye-Sensitized Solar Cells Yi Ming Chen, National Central University
SUN-PE-057 P1-0024	Engineering Catalysts with Rhombic Dodecahedral Trimetallic Nanocrystals for Enhanced CO₂ Reduction to Multi-Carbon Product Pei-En Wang, National Yang Ming Chiao Tung University
SUN-PE-058 P1-0025	Study on the Synthesis of Fluorescent Eu-MOF/PI Composite Materials by Combining Fluorescent Eu-MOF and PI for anticorrosion and Early Corrosion Detection through Fluorescence Monitoring Kunling Teng, Fu Jen Catholic University
SUN-PE-059 P1-0026	Tuning the Structures and Luminescent Properties of Alginate Hydrogels via Pre-Coordinated Lanthanide Complexes 蘇昱嘉, National Taiwan University
SUN-PE-060 P1-0028	Synthesis and identification of Ni/Pd/Pt metal complexes Miao Hsuan Chen, Fu Jen Catholic University
SUN-PE-061 P1-0030	Aluminum complexes bearing quinazolinone-derived NO-type ligands applied in ring-opening polymerization of ε-caprolactone Chi-Tien Chen, National Chung Hsing University
SUN-PE-062 P1-0031	Investigations and Applications of Iron Sulfur Complexes Chao-Yi Chiang, Providence University
SUN-PE-063 P1-0033	Mini Light-Emitting Diode Technology with High Quantum Efficient NIR-II Partially Inverse Spinel MgGa₂O₄:Cr³⁺,Ni²⁺ Nanophosphors Tzu-Hsuan Liu, National Taiwan University
SUN-PE-064 P1-0034	Unraveling Structural Evolution and Atmospheric Stability via In Situ Characterization of Li₃InCl₆ Solid-State Electrolytes Synthesized through Coprecipitation Strategy Josanelle Angela Villanueva Bilo, Research Center for Applied Sciences
SUN-PE-065 P1-0036	Chiral Heavy Metallylenes Catalyzed Asymmetric Hydroboration of Ketones Li-Hui Hong, National Taiwan university
SUN-PE-066 P1-0037	C-H Bond Activation Using Metal-Organic Frameworks and Heterogenization of Homogeneous Catalysts Xin-Yi Lin, National Taiwan Normal University

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SUN-PE-067 P1-0038	Pressure/temperature-assisted crystallographic engineering–A strategy for developing the infrared phosphors Yiting Tsai, Academia sicica
SUN-PE-068 P1-0039	Photochemical C(sp³)-H Bond Hydroxylation with Mononuclear Fe(TAML) Complexes Kuan-Yu Lu, National Tsing Hua University
SUN-PE-069 P1-0040	Phase-Engineered Dichalcogenides/Fluorine-Free V₄C₃T_x (T = OH, O) Heterostructures for pH-Universal Hydrogen Evolution Reaction Shabana Neermunda, National Taiwan University
SUN-PE-070 P1-0041	Chiral Bis(oxazoline) Ligand Stabilized Germylum-ylidene and Stannylum-ylidene Catalysts YuLun Hsieh, National Taiwan University
SUN-PE-071 P1-0042	Syntheses of Di-Substituted Aluminum Radicals Yi Hsuan Tsai, National Taiwan University
SUN-PE-072 P1-0043	Homogeneous Electrochemical Water Oxidation Catalyzed by Dimeric Cobalt Complexes with Electron-Proton Transfer Mediators (EPTMs) Yu-Lin Chi, National Tsing Hua University
SUN-PE-073 P1-0044	Photovoltaic properties of dye-sensitized solar cells assembled using the organic photochromic dye NW-1 as the sensitizer. Yan-Jing Li, National Central University
SUN-PE-074 P1-0045	Exploring Dehydration Mechanisms and Conductivity Optimization in Li₃InCl₆·xH₂O via In-Situ Synchrotron Techniques Jheng-Yi Huang, National Taiwan University
SUN-PE-075 P1-0046	Characterizations of [FeII(EBC-2R)(OTf)₂] and reactivity studies of corresponding FeIV-oxo species Yi-Hsin Chen, National Kaohsiung Normal University
SUN-PE-076 P1-0047	Research on Bidentate Mesoionic Carbenes and the First-row Transition Metal Complexes Yu-Jie Wang, National Sun Yat-sen University
SUN-PE-077 P1-0048	Exploring the Spin and Optical Properties of Mn-Doped CdSe(en)_{0.5} Monolayer Quantum Materials for Applications in Quantum Sensing and Spintronics Chi-Ching Tung, National Taiwan Normal University
SUN-PE-078 P1-0049	Development of Sterically Demanding Bioxazoline Ligand and Bioxazoline-Derived N-Heterocyclic Carbene Ligand for the Synthesis of Transition Metal Complexes Yi-Ching Chou, National Sun Yat-sen University
SUN-PE-079 P1-0050	Pyrrolidine-2-iminato Phosphine and Its Complexes Guan-Zhou Lin, National Sun Yat-sen University
SUN-PE-080 P1-0051	Aluminium complexes supported by bulky amino imidazoline-2-imine ligand as precursors for catalytic guanylation reactions of carbodiimides Ting-Wei Chang, National Sun Yat-sen University
SUN-PE-081 P1-0053	Anatase-Rutile TiO₂@V₄C₃T_x MXene for Omnidirectional Electrocatalytic Water Splitting Muhsin Punnoli, National Taiwan University
SUN-PE-082 P1-0055	A dual chemosensor for highly selective and sensitive visual detection of Zn²⁺ and Cu²⁺ and its bioimaging applications Keerthika Kumarasamy, Chaoyang University of Technology
SUN-PE-083 P1-0058	One-pot Self-assembly of Homo- and Heterobimetallic 2D and 3D Supramolecular Architectures Alisha Rani, National Taiwan University

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SUN-PE-084 P1-0060	Formation of Porphyrin-Fused N-heterocyclic Carbene Monolayers: Electrochemical Catalysis and Behavior Analysis via DFT Calculations Meng-Xuan Lin, Kaohsiung Medical University
SUN-PE-085 P1-0061	Synthesis, Structural Characterization of three 3D M(II) MOF Constructed by Oxalate ($C_2O_4^{2-}$) and 1,3,5-tris(4-pyridylsulfanylmethyl)-2,4,6-trimethylbenzene (tpsmb) Ligands Bin-Yu Lu, Soochow University
SUN-PE-086 P1-0063	Syngas Production from Dry Methane Reforming over Ni-based Catalyst 曾玉如, CPC Corporation, Taiwan
SUN-PE-087 P1-0064	Surfactant-Mediated Enhancement of Electrochemical CO_2 Reduction to Formate Using a 3D Porous BiOCl Catalyst AsiaAbou-Taleb abdelgalil, academia sinica
SUN-PE-088 P1-0066	Self-Assembly of Pseudorotaxanes via Terpyridine-Based Macrocycles De Sheng Chen, National Taiwan University
SUN-PE-089 P1-0067	Solvent-Induced Hierarchical Self-Assembly of Triptycene-Based Metallo-Cuboctahedrons Revealed by Cryo-EM Guan-Sian Lee, National Taiwan University
SUN-PE-090 P1-0068	Chiral Rhombic Triacontahedrons Self-assembled from Corannulene-based Ligands Yu-Xiang Huang, National Taiwan University
SUN-PE-091 P1-0069	Synthesis, Structures, and Luminescent Properties of Two Isostructural Zincophosphate Frameworks Including Anionic Guests Jia-Yi Jian, National Taiwan Ocean University
SUN-PE-092 P1-0070	Synthesis, Structures, and Sensing Properties of New Polymorphic Cobalt Phosphites Ying-Ting Wang, National Taiwan Ocean University
SUN-PE-093 P1-0071	Robust and intimate interface enabled by silicon carbide as an additive to anodes for lithium metal solid-state batteries Pavitra Srivastava, National Taiwan University
SUN-PE-094 P1-0072	Synthesis, Characterization and Reactivity of a Mononuclear Cobalt(III)-Superoxo Complex Yuhan Tsai, National Taiwan Normal University
SUN-PE-095 P1-0073	Stepwise Self-assembly of Bimetallic Octahedral Molecular Cages Po-Tan Huang, National Taiwan University
SUN-PE-096 P1-0074	Synthesis of NiO-MgO catalysts reducible under hydrogen atmosphere at particularly low temperature Yun Hsuan Tsai, National Cheng Kung University
SUN-PE-097 P1-0075	Plant growth modeling and response from broadband phosphor-converted lighting for indoor agriculture Ting-Yi Su, National Taiwan University
SUN-PE-098 P1-0076	Design and Application of a Zinc-Based Coordination Frameworks for Stability Assessment and Electrochemical Sensing Yu-Hsun Yang, Academia Sinica
SUN-PE-099 P1-0078	Ambiphilic Chiral Aluminum Cations-Catalyzed Enantioselective Michael Additions Chao-An Liu, National Taiwan University
SUN-PE-100 P1-0081	Structural Characterization and Water Vapor ad-/de-sorption Isotherms of two 2D Zn(II) MOFs Constructed by tripodal thioether-based pyridinyl-type Ligand and V-shape Dicarboxylate Ligands Yu-Chen Chung, Soochow University

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SUN-PE-101 P1-0082	Self-assembly of Functional Supramolecular Icosahedral Capsids Using Porphyrin- and Corannulene-based Terpyridine Ligands Kwun-Yung Cheung, National Taiwan University
SUN-PE-102 P1-0086	Unexpected Magnetic Moments and Tunable Photoluminescence in Mn²⁺-Doped (CdSe)₁₃ Nanoclusters for Spintronic Applications Nagaraju Narayanam, National Taiwan Normal University
SUN-PE-103 P1-0087	The Research of CO₂-to-Methanol Catalyst Yen-Hao Lin, CPC Corporation, Taiwan
SUN-PE-104 P1-0088	Efficient H₂O₂-based Propylene to Propylene Oxide (HPPO) Reaction Catalyzed over ZnO/ZnO₂ Materials Gebretinsae Yeabyo Nigussie, Academia Sinica
SUN-PE-105 P1-0089	Reaction chemistry of low valent chromium complexes of PNP Yu-Shan Wang, National Sun Yat-sen University
SUN-PE-106 P1-0090	Unsymmetric Bis-NHC: Pioneering New Frontiers in Heterobimetallic Nanoparticle Design Hanyu Nong, Kaohsiung Medical University
SUN-PE-107 P1-0092	Development of Nickel Complexes for Photocatalytic Hydrogen Evolution Pei-Juan Liao, National Cheng Kung University
SUN-PE-108 P1-0093	Solvent-Free Mechanochemical Approach in Palladium-Catalyzed Alcohol Oxidation Lyu Han Lan, National Chung Hsing University
SUN-PE-109 P1-0095	Application of CoP Catalyst in NO₃RR and CO₂RR for Urea Production Performance Study Yi-Ting Hsu, NaNational Taipei University of Technology
SUN-PE-110 P1-0096	Synthesis of Cobalt Oxyhydroxide (CoOOH) : An Efficient Electrocatalyst for Oxygen Evolution Reaction Pantita Prapamonton, Materials Science and Engineering
SUN-PE-111 P1-0097	Synthesis of cobalt phosphide electrocatalysts for high efficient electrochemical nitrate reduction to ammonia under alkaline 許鈞凱, NaNational Taipei University of Technology
SUN-PE-112 P1-0099	Preparation of tin-lead mixed perovskite films by two-step method for application in perovskite solar cells Bo-Zhen Chen, National Central University
SUN-PE-113 P1-0100	Coordination Behavior of Pyridine-derived Tridentate Ligands on Fe/Co Complexes Tzu-jin Lin, National Taipei University of Technology
SUN-PE-114 P1-0101	Structure Characterization by Powder X-ray Diffraction on FeII Metal Complexes Chelated by 2-(2-(3-Bromophenyl))-1H-Tetrazol-5-yl)Pyridine Ligand Yang-pei Zheng, National Taipei University of Technology
SUN-PE-115 P1-0102	Structure Characterization by Powder X-ray Diffraction and X-ray Absorption Spectroscopy on Iron(II) Complexes based on Fluorobenzyl Tetrazole Ligand Feng-Hua Ho, NaNational Taipei University of Technology
SUN-PE-116 P1-0103	Structure characterization of spin crossover Fe(II) complex isomers containing NTP ligands Jia Yu Lin, National Taipei University of Technology
SUN-PE-117 P1-0104	Characterization, Reactivity and Catalytic Properties of New Rhenium Carbonyl Complexes with Carbodicarbene ligands Charasee Dayawansa, National Sun Yat Sen University

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SUN-PE-118 P1-0106	Preparation and Characterization of Zn-Al-LDH & Mg-Al-LDH@ SiO₂/Polycarbonate Nanocomposites by Micro-compounding Process De-Qian Chen, Chung Yuan Christian University
SUN-PE-119 P1-0107	Preparation and Characterization of Polystyrene Nanocomposites by In-Situ Polymerization with Flame Retardance Po-Jui Chen, Chung Yuan Christian University
SUN-PE-120 P1-0108	Exploring novel NCN pincer ligands for nickel complex reactivity tuning and design the ligand in action Pei-Zhen Xie, National Central University
SUN-PE-121 P1-0109	Investigating of Photo-Induced Charge-Transfer Behaviors of the Bidentate Cyclometalated-Bridge [Di-Ru]^{2+/3+} Ions Li-Ting Zhuo, Fu Jen Catholic University
SUN-PE-122 P1-0110	Mechanistic investigations of a hydrogen-evolving Cobalt diiminedioxime complex in an oxygen environment: roles of secondary coordination sphere, brønsted acid, and axial Ligand Yu-Syuan Tsai, National Sun Yat-sen University
SUN-PE-123 P1-0111	Short-Wave Infrared Phosphors Mg₂SnO₄ Doped with Cr³⁺ -Ni²⁺ -Yb³⁺ Activators Chia-Lun Wang, National Taipei University of Technology
SUN-PE-124 P1-0112	Broadband Near-Infrared MgSc_{2-a}Ga_aS₄:xCr³⁺ Sulfide Phosphor via Trivalent Cation Substitution Wan Yun Chu, National Taipei University of Technology
SUN-PE-125 P1-0113	Synthesis and Characterization of Chalcogenides Pb₄Sb₄X₉Cl₂(X=S,Se) Yenhan Huang, National Yang Ming Chiao Tung University
SUN-PE-126 P1-0116	Rapid Synthesis of Zirconium Based Metal Organic Frameworks via Solvent Assisted Crystallization Ciao-Shin Tsai, National Taiwan Normal University
SUN-PE-127 P1-0121	A High-Sensitivity Platform for Drug Analysis Based on Microarray, Nanoporous Materials, and SALDI Technology Chung-Chih Tang, National Taiwan Normal University
SUN-PE-128 P1-0124	Probing structural distortions in facet nanocrystals using high-resolution powder X-ray diffraction Bo-Hao Chen, National Synchrotron Radiation Research Center
SUN-PE-129 P1-0126	Stretchable, Self-Healing, and Recyclable Multifunctional Electrolytes Paired with Manganese Oxide Electrode for Supercapacitor Applications Hung-En Yeh, Providence University
SUN-PE-130 P1-0127	Voltametric and EIS Analysis of Organic Semiconductor Electrodes for Energy Storage Applications Ganesh Masilamani, Providence University
SUN-PE-131 P1-0128	Synthesis and Characterization of a Rhenium Tricarbonyl Complex Incorporating N-Doped Nanographene: Investigation of Structural Alterations Induced by Re(I) Coordination Eldhose Vadakkechalil Varghese, Kaohsiung Medical University
SUN-PE-132 P1-0133	One-Dimensional Tape-Like Coordination Polymers Based on Hexa- and Tetranuclear Clusters with Varied Coordination Spheres around Zinc(II) 李佩容, National Chi Nan University
SUN-PE-133 P1-0134	Lanthanide Coordination Polymers with Tunable Luminescence and White Light Emission Ying-Hua He, National Chi Nan University
SUN-PE-134 P1-0136	Investigate the Strongly Correlated Materials Using Resonant Inelastic X-ray Scattering Yi Li, National Taiwan University

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SUN-PE-135 P1-0137	Integrating AI and SERS for Enhanced Raman Spectral Analysis of Amino Acids and Illicit Drugs Chi-Hung Lin, National Taiwan Normal University
SUN-PE-136 P1-0138	Hidden Frustrated Lewis Pairs based on Carbodicarbene-Borane complexes Bo-Hong Huang, Academia Sinica
SUN-PE-137 P1-0139	The Iron Oxide-galactosylated Nanoparticles Used for Photodynamic Therapy and Immunostimulation in Orthotopic Bladder Cancer Treatment Yu-Cheng Chin, National Cheng Kung University
SUN-PE-138 P1-0142	Characterization of Fe(II) complexes chelated by 2BTPCl ligand through power x-ray diffraction and x-ray absorption spectroscopy Yu-Yu Chang, National Taipei University of Technology
SUN-PE-139 P1-0143	Fabrication of P/N/S-Doped Mesoporous Graphene Oxide Nanoparticles via CO₂ Laser Carbonization and Their Applications in Green Catalysis Ying-Tong Kuo, National Taiwan Normal University
SUN-PE-140 P1-0145	Visible-light-driven CO₂ reduction using copper(II) complexes with pyridine-2,6-dicarboxamide scaffolds and thioether moieties Rui-Ze Xu, National Sun Yat-sen University
SUN-PE-141 P1-0146	Design and evaluation of new types of copper complexes for CO₂ fixation and electrocatalytic reduction Jyun-Chi Lee, National Sun Yat-sen University
SUN-PE-142 P1-0147	Synthesis and Catalytic Application of Silver(I) NHC Complexes Supported on Zinc Oxide Nanoparticles JingLin Wang, National Chung Cheng University
SUN-PE-143 P1-0148	A Versatile Carbodicarbene Precursor: Exploring Coordination and Reactivity with Transition Metals and Main Group Elements Zhe-Xin Wu, National Central University
SUN-PE-144 P1-0149	Group 9 Dope Silver-rich Superatomic Nanocluster: Ir(H)Ag₂₀[S₂PR₂/Se₂P(OR)₂]₁₂ Series 閻葦嶸, National Dong Hwa University
SUN-PE-145 P1-0150	Synthesis and Green Applications of NHC-Functionalized Zinc Oxide Nanoparticles. Chieh-Yu Chen, National Chung Cheng University
SUN-PE-146 P1-0151	Expanding and Characterization of Bis-(carbone) framework and investigating the Coordination Behaviors Yin-Zhi Weng, Academia Sinica
SUN-PE-147 P1-0153	Diastereodivergent Synthesis of Dihydroimidazopyridium Salts Tuned by Solvent and Counteranion Effects Jiming Ciou, Kaohsiung Medical University
SUN-PE-148 P1-0154	Generation of Molecular Diversity through a Dynamic Imine System Zhang En-Chuan, National Dong Hwa University
SUN-PE-149 P1-0155	Enhanced Electrocatalytic Activity of Flower-like Copper-doped Manganese Dioxide for CO₂ Reduction Reaction Li-Huei Huang, National Chung Hsing University
SUN-PE-150 P1-0156	Visible and Near-Infrared Broadband Absorber Based on SrTiO₃/Al/OV/Au Composite Chieh-Ju Hsu, National Chung Hsing University
SUN-PE-151 P1-0157	Synthesis, Structure, and Antibacterial Activities of Silver Complexes with Pyridyl-N-Heterocyclic Carbenes Hybrid Ligand Scaffolds Xun-Rong Wang, National Chung Cheng University

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SUN-PE-152 P1-0158	3D Aerosol Jet Printed titanium dioxide-based photocatalysts with enhanced photocurrent intensity Yun Hsi Tsai, National Chung Hsing University
SUN-PE-153 P1-0159	Enhancement of the Electrochemical Performances for Li-ion Batteries in NaBH₄-modified TiO₂ Nanostructures through Introduction of Oxygen Vacancies Yuan-Fu Tsai, National Chung Hsing University
SUN-PE-154 P1-0160	Aerosol-jet Additive Manufacturing of Porous Titanium Dioxide Structures for Enhanced Photoelectrochemical Performance Yu-An Su, National Chung Hsing University
SUN-PE-155 P1-0161	Electrochemical/Cobalt Dual Catalysis for Regioselective Tetramerization of Indoles Liu Kuan-Te, soochow university
SUN-PE-156 P1-0164	Regeneration of Tooth Enamel by Novel Inorganic Nanoclusters Yu-Tai Chiou, Taipei Medical University
SUN-PE-157 P1-0165	Phosphorus-doped TiO₂/NCM811 for Full-cell Lithium-Ion Batteries Sheng-Kai Chou, National Chung Hsing University
SUN-PE-158 P1-0166	Synthesis, structure, and non-covalent interactions of the pincered 4-Cl-2FH-ZnI₂ complex: weak interactions resulting in chiral crystals with space group of P21/c Tsai Meng Hsun, National Chung Hsing University
SUN-PE-159 P1-0167	Ni-doped Silver Superatomic Nanoclusters as HER Electrocatalysts Yu-Rong Ni, National Dong Hwa University
SUN-PE-160 P1-0168	Electrochemical-cobalt Dual Catalysis for Ring-expansion and Oxygen Insertion of Indole Derivatives Kai-Wun Jhang, Soochow University

PF-綠色化學 (Green Chemistry)

SUN-PF-001 P6-0014	Material and Optical Properties of Fluorescent Carbon Quantum Dots Fabricated via Hydrothermal Reaction for Heavy Metal Copper ions Detection in Aqueous Media Miao Wei Lin, Chung Shan Medical University
SUN-PF-002 P6-0019	Highly Luminescent and Chemically Stable Carbon Dots as Advanced Fluorescent Nanoprobes for Sensitive and Selective Mercury Ion Detection Yi-Zhen Hung, Chung Shan Medical University
SUN-PF-003 P6-0021	One-Dimensional Tin Dioxide Nanowires for Ampere-Level Carbon Dioxide Reduction Reaction to Formic Acid Ching Ya Wang, National Yang Ming Chiao Tung University
SUN-PF-004 P6-0022	Spatial Confinement Effect of SnO₂ Nanospheres Catalysts Enables Ampere-Level CO₂ Reduction to Formic Acid and Artificial Photosynthesis system Chi Kang, National Yang Ming Chiao Tung University
SUN-PF-005 P6-0024	Investigation of the Thermo-Responsive Behavior of Smart Hydrogels Based on Polyethers and Polypeptides Peng-Wen Chen, Chung Yuan Christian University
SUN-PF-006 P6-0029	Design and Preparation of Flexible, Stretchable, and Self-Healing Conductive Hydrogels Chien-Yin Lin, Chung Yuan Christian University
SUN-PF-007 P6-0030	Pt/WSe₂ composites for photocatalytic CO₂ reduction under different light sources Wen-Chi Tsai, Providence University
SUN-PF-008 P6-0031	Synthesis of Pd/WSe₂ Composite Materials for CO₂ Photocatalytic Reduction You-Cian Lai, Providence University
SUN-PF-009 P6-0032	Novel Cu/WSe₂ composite for the photocatalytic conversion of CO₂ to methane Cheng-Hao Wang, Providence University

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SUN-PF-010 P6-0035	Redox Active Prussian Blue Nanocrystals to Enhance the Performance of Microbial Fuel Cells Ying-Chen Lin, Kaohsiung Medical University
SUN-PF-011 P6-0036	Designing Mo/Cr-based MXenes for Thermoelectric Applications Using DFT Calculations Fangtzu Chao, National Central University
SUN-PF-012 P6-0040	Hierarchical Single-Phase Co₉S₈ for Photocatalytic CO₂ Reduction Chu-Jung Huang, University of Taipei
SUN-PF-013 P6-0044	Simple Salt-Catalyzed Epoxide Coupling With Carbon Dioxide To Synthesize Cyclic Carbonates Yi-Nan Yang, Fu Jen Catholic University
SUN-PF-014 P6-0051	Conductive Polymer Polythiophene Cathode Combined with Novel Multifunctional Ion Gel Electrolyte for Developing Flexible and Fast Self-Charging Electrochemical Energy Storage Devices Ke-Yun Tong, Providence University
SUN-PF-015 P6-0066	A Comparative Study of Deep Eutectic Solvent Systems for Extracting Phytochemicals from Three Agricultural Byproducts 葉馥瑢, Ming-Dao High School
SUN-PF-016 P6-0067	Extraction of Polyphenolic Compounds from Taiwanese Camellia Oil Using Choline Chloride-Based Deep Eutectic Solvents 王宥鈞, Ming-Dao High School
SUN-PF-017 P6-0068	Study of the Hydrogen Production from the Reaction of Aluminum and Water Using Aluminum Hydroxide Synthesized from Different Salts and Conditions 呂品頤, Chung Yuan Christian University
SUN-PF-018 P6-0069	Synthesis of Aluminum Hydroxide from Aluminum Sulfate for the Hydrogen Production via Aluminum-Water Reactions 陳瑞宏, Chung Yuan Christian University
SUN-PF-019 P6-0070	Study on the Efficiency of Hydrogen Production via Aluminum-Water Reaction Using Hydrogen Peroxide Precipitated Aluminum Hydroxide 吳恩予, Chung Yuan Christian University
SUN-PF-020 P6-0001	Synthesis, Characterization and Photocatalytic Applications of CO₂ Reduction and Dye Degradation by Bi₂O₂S and its Composites YuYun Lin, National Taichung University of Education
SUN-PF-021 P6-0002	Effect of Counterions on the Electrical, Mechanical, and Antifreeze Properties of Conductive Composite Hydrogels for Flexible Wearable Sensors Yu Feng Ni, Chung Yuan Christian University
SUN-PF-022 P6-0003	Enhanced Electrochemical Nitrate Reduction Catalyzed by CuOx@Cd- Coordinated Cage Nanoreactors with suppressed HER Competition. Jia-Huei Luoh, National Central University
SUN-PF-023 P6-0004	The Numerical Study of the Effects of Dissolved Carbon Dioxide on the Mineral Composition and Porosity of Subsurface Rock Yuhung Shih, National Atomic Research Institute
SUN-PF-024 P6-0005	Photoelectrochemical Oxidation of Small Molecules using BiVO₄ Photoanodes YiWen Chen, National Taiwan University
SUN-PF-025 P6-0006	Spatial Confinement Enhancement and Orbital Modification of Copper-Aluminum Alloy Encapsulated within Carbon Nanofibers for Ampere-Level Carbon Dioxide Reduction Reaction Kang-Shun Peng, National Yang Ming Chiao Tung University

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SUN-PF-026 P6-0007	Hollow Multi-Shelled Cuprous Oxide with Multiple Confined Spaces Enables Highly Efficient Carbon Dioxide Reduction Reaction to Ethylene Yung-Hsi Hsu, National Yang Ming Chiao Tung University
SUN-PF-027 P6-0008	Synthesis of multiporous carbon from industrial waste bakelite via impregnation method for supercapacitor application Chun-Han Hsu, National Tainan Junior College of Nursing
SUN-PF-028 P6-0009	Modulating the structural and mechanical properties of luminescent triple-crosslinked gelatin/alginate hydrogels through lanthanide ions for sensing applications Shu-Ying Wu, National Taiwan University
SUN-PF-029 P6-0010	Metal-Organic-Framework-Derived Graphene-Copper Composite Catalyst for High Efficient Carbon Dioxide Reduction Reaction to C2 Products Yu-Jhih Shen, National Yang Ming Chiao Tung University
SUN-PF-030 P6-0011	Photocatalytic Synthesis of Gold Nanoparticles Using Deep Eutectic Solvent and Phosphotungstic Acid Luncheng Yuan, Tunghai University
SUN-PF-031 P6-0012	Enhancing Sustainable Phosphate Release from Humic Acid-Iron Hydroxide Coprecipitates with Citric Acid: Mechanisms and Environmental Significance Mahmoud Ahmed, National Chung Hsing University
SUN-PF-032 P6-0013	Hydrophobic-Molecule-Modified Copper Oxide Nanotube Catalysts for Ampere-Level Carbon Dioxide Reduction Reactions to C2 Products Yuchia Chang, National Yang Ming Chiao Tung University
SUN-PF-033 P6-0016	Separable Quantum Dot-Polymer Composites: Combining Quantum Dots with Dynamic Covalent Bonds Meng-Yu Lin, National Taiwan University
SUN-PF-034 P6-0017	Non-Equivalent Iodide Ions Boosting the Bismuth-Based Catalysts to Achieve Industrial Carbon Dioxide Reduction to Formic Acid Ming Hsuan Li, National Yang Ming Chiao Tung University
SUN-PF-035 P6-0020	Synthesis of Nitrogen-Doped Carbon Quantum Dots via a Solvothermal Method for Cobalt Ion Detection in Wastewater Hung-Yen Tang, Southern Taiwan University of Science and Technology
SUN-PF-036 P6-0023	Synthesis of Copper Nanomaterials Using Choquette Avocado Seed Extract and Applications Yu Cheng Hsieh, National Chiayi University
SUN-PF-037 P6-0025	Two-Dimensional ZIF-67/MoS₂/NF as a High-Performance Catalyst for Overall Water Splitting in Sea Water Wan-Yi Chen, National Cheng Kung University
SUN-PF-038 P6-0027	Study on catalytic degradation of 4-nitrophenol using metal-modified zirconium-based metal-organic framework Yu-Jhih Dai, Chung Cheng Institute of Technology, National Defense University
SUN-PF-039 P6-0028	Catalyst-free molecular editing of 5-alkynyl-1,2,3-triazines access to functionalized thiophenes 張家豪, National Central University
SUN-PF-040 P6-0033	A rational substituent approach to access product life cycle sustainability of dehydropolysaccharide Yi Hsuan Lin, National Cheng Kung University
SUN-PF-041 P6-0034	The effect of interfacial water on product selectivity in electrochemical CO₂ reduction Yi Ting Xie, National Tsing Hua University

PF-綠色化學 (Green Chemistry)

SUN-PF-042 P6-0037	Synthesis of Eco-Friendly Green Building Materials from Wasted Oyster Shells: The Innovation of Oyster-Shell Based Lime Putty Shih-Cheng Sun, National Cheng Kung University
SUN-PF-043 P6-0038	One-Pot Synthesis of Nitrogen-doped Graphite-like Multiporous Carbon with Large Specific Surface Area, Rich Nitrogen Content and High Conductivity from Biochar for Dye Adsorption and Supercapacitor Applications Shu-Sian Wang, National Cheng Kung University
SUN-PF-044 P6-0039	Combining Acrylamide Hydrogel with CdSe/ZnS Quantum Dots for Detecting Mercury Ion Concentration in Solution RuWei Yang, National Kaohsiung University of Science and Technology
SUN-PF-045 P6-0041	Enhanced Photocatalysis under Simulated Sunlight Irradiation by WO_{3-x} Synthesized with Different Cations Shao-Ying Lin, National University of Kaohsiung
SUN-PF-046 P6-0042	NiO-Based Catalyst supported with Exfoliated KCa₂Nb₃O₁₀ Nanosheets for Hydrogen Production via Oxidative Steam Reforming of Ethanol (OSRE) Wu Chen, National Yang Ming Chiao Tung University
SUN-PF-047 P6-0043	Effects of Supporting Materials on NiO-Based Catalysts for Oxidative Steam Reforming of Ethanol (OSRE) Wei Ru Tsai, National Yang Ming Chiao Tung University
SUN-PF-048 P6-0046	Photo-Assisted CO₂ Hydrogenation Using Plasmonic MoO₂ Nanocrystals 陳正翰, National Changhua University of Education
SUN-PF-049 P6-0047	Molybdenum Diselenide Doped Palladium Catalyst for Formic Acid Dehydrogenation Po-Chun Chang, Providence University
SUN-PF-050 P6-0048	Development and Synthesis of High-temperature Stable Ionic Liquids Po-Hsuan HSIEH, Industrial Technology Research Institute
SUN-PF-051 P6-0049	Application of Carbazole-based Conjugated Polymers on Light-driven Hydrogen Evolution Reaction Yu-Chieh Yeh, National Taiwan University
SUN-PF-052 P6-0050	Anthraquinone-Based Polymers: A Promising Electrochemical Approach for CO₂ Capture Zheng-Yi Lin, National Sun Yat-sen University
SUN-PF-053 P6-0052	Direct growth of continuous Carbon Nitride film by thermal vapor deposition for photocatalytic applications Shuo-Yun Chang, National Taiwan University
SUN-PF-054 P6-0053	Simple Strategy for Bismuth-Modified g-C₃N₄ in Electrocatalytic CO₂ Reduction and its Application Shao-Wei Lu, National Taiwan University
SUN-PF-055 P6-0054	A direct growth method to deposit catalyst on membrane for anion exchange membrane water electrolyzer Jing Qian Ho, National Sun Yat-sen University
SUN-PF-056 P6-0056	Single-Atom Catalysts with Sulfur Sites for Electrosynthesis of Hydrogen Peroxide Song-Chi Chen, National Taiwan University
SUN-PF-057 P6-0057	Enhancement of CO₂ Electroreduction by Ni SACs Embedded in Chalcogenide-Doped Carbon Nanofibers: An Electrochemical Study Varad Modak, National Taiwan University
SUN-PF-058 P6-0058	Novel Agricultural Waste Chitosan-Based Film Activated with Citral Oil Encapsulated in Nanoemulsion: Investigation of Multifunctional and Physicochemical Properties Shihyuan Lin, National Chung Hsing University

PF-綠色化學 (Green Chemistry)

SUN-PF-059 P6-0059	Chemical Oxidation of Small Molecules Paired with Electrochemical Hydrogen Evolution Reaction Tzu-Ting Weng, National Taiwan University
SUN-PF-060 P6-0060	A Conjugated Polymer Bearing a Re(I) Bipyridine Complex for CO₂ Photoreduction Yu-Chen Yu, National Taiwan University
SUN-PF-061 P6-0061	Enhanced Production of Hydroxyacetic Acid via Genetically Modified Bacterial Strains Incorporating Bacterial Hemoglobin Subhankar Dhar, Ming Chi University of Technology
SUN-PF-062 P6-0062	Optimized Photocatalytic Systems for Enhanced Nitrogen Reduction: Harnessing Defect-Engineered Gas-Solution Interfaces 彭仕賢, Taipei Medical University
SUN-PF-063 P6-0063	The Biomimetic Ruthenium H-Cluster Complex for Hydrogen Production via Dehydrogenation of Formic Acid and Water Yin-Tse Chou, National Yang Ming Chiao Tung University
SUN-PF-064 P6-0065	Synthesis and CO₂ photoreduction of polynorbornene with rhenium-complex pendants Kuo-Feng Chung, National Taiwan University

PG-化學生物 (Chemical Biology)

SUN-PG-001 P5-0006	Chemo-enzymatic synthesis of clickable lipid A analog Yen-Yu Chen, National Taiwan University
SUN-PG-002 P5-0009	Understanding the Sequence Determinants of NRP Thioesterase Function Fa-NengThomas Ma, National Taiwan University
SUN-PG-003 P5-0012	Understanding The Mechanism of Non-Ribosomal Peptide Macrocyclization Wei-Yen Liao, National Taiwan University
SUN-PG-004 P5-0029	Yeast as Biocatalysts: A Novel Route to Aliphatic-Enhanced Humic-Like Materials Tsung-Hung Wu, National Chung Hsing University
SUN-PG-005 P5-0041	Computer-aided Drug Design for Piperazinyl Thiourea Derivatives as Human Enterovirus Family 3C Protease Inhibitors Po-Yu Chan, Chang Jung Christian University
SUN-PG-006 P5-0052	Investigation of the Active Compound OVA (ovatodiolide) from Anisomeles indica in Addressing Disease and Growth Stagnation Issues in Meretrix sp. Hong Shen Wen, National Taitung University
SUN-PG-007 P5-0055	Data Modeling for Behavioral Regulation of Vector Insects: Analysis of Odor Attraction and Repellency Powe Kang, National Taitung University
SUN-PG-008 P5-0001	Gradient conducting polymer surfaces with netrin-1-conjugation promote axon guidance and neuron transmission of human iPSC-derived retinal ganglion cells Jia-Wei She, Academia Sinica
SUN-PG-009 P5-0003	The Distinct Effects between left- and right-handed (6,5) on Macrophage Function and Gene Expression CarlosJose Quiroz Reyes, Institute of Atomic And Molecular Sciences, Academia Sinica Academia Sinica
SUN-PG-010 P5-0005	Evaluation of the Inhibitory and Degradative Effects of Fe₃O₄-Chlorophyllin Nanoparticles on Islet Amyloid Polypeptide Fibrils Tsu-Hsuan Huang, National Taiwan Normal University
SUN-PG-011 P5-0007	Hydrogen peroxide-responsive boronic acid-based molecular conjugation for restraining calcitonin amyloid fibril formation Chia-Chi Chang, National Taiwan Normal University

PG-化學生物 (Chemical Biology)

SUN-PG-012 P5-0008	Data-independent acquisition SWATH, and integrating full scan and data-dependent acquisition (IFSDDA)-based comparative proteomic and metabolomic analysis of djulis (Chenopodium formosanum) Yi-Feng Zheng, National Chung Hsing University
SUN-PG-013 P5-0010	The molecular mechanism underlying small molecule compound Nudiposide-mediated astrocyte-to-neuron conversion Yu-Tang Lee, National Tsing Hua University
SUN-PG-014 P5-0011	Development of dual-function nucleic acid capsules for combined gene therapy and drug delivery 魏睿宇, National Yang Ming Chiao Tung University
SUN-PG-015 P5-0013	Comprehensive neurotoxicity of lead halide perovskite nanocrystals in nematode <i>Caenorhabditis elegans</i> Ling-Wei Liang, National Taipei University of Technology
SUN-PG-016 P5-0014	Chemical Constituents and Activities of the New Indigenous Trichoderma Strain T. orarium 18F0041 from Taiwan. Hui-Tzu Ni, Fu Jen catholic university
SUN-PG-017 P5-0015	Analysis of optimization strategies for human calcitonin double variants Pei-Chun Pan, National Taiwan Normal University
SUN-PG-018 P5-0016	Regioselective Modification of Antibodies through Metal-Affinity Guided Molecule Probes. Chi Tai Chen, National Tsing Hua University
SUN-PG-019 P5-0017	Computational Design of Self-assembling Catalytic Peptides as Artificial Hydrolases and Peroxidases Ying-Ke Cheng, National Tsing Hua University
SUN-PG-020 P5-0018	Using Disulfide-linked Peptides to Capture CMP Monomers by Forming Collagen Heterotrimers Yu-Ying Chan, National Tsing Hua University
SUN-PG-021 P5-0019	Impact of Frame Shifts and Cation-π Interactions on the Folding and Stability of Collagen Mimetic Peptides Bo-Ren Yang, National Tsing Hua University
SUN-PG-022 P5-0020	Title: One-Step purification and immobilization of Phosphotriesterase using immobilized metal-ion affinity chromatography materials technique Hong Lin Huang, National Chiayi University
SUN-PG-023 P5-0021	Preparation and biological evaluation of novel benzimidazole and benzotriazole derivatives Yu-En Su, National Tainan Junior College of Nursing
SUN-PG-024 P5-0022	Exoelectrical pathogen <i>Streptococcus mutans</i> capable of gold ions reduction to form gold nanoparticles for oral photothermal sterilization Jia Sin Chen, Kaohsiung Medical University
SUN-PG-025 P5-0023	To explore the proteomic changes for young plasma transfusion in the recovery of Traumatic brain injury mice Wen Chen Chen, Chang Gung University
SUN-PG-026 P5-0024	Identification of critical amino acid residues for binding divalent metal ions in <i>Bacillus licheniformis</i> gamma-glutamyltranspeptidase Pei-Feng Lin, National Chiayi University
SUN-PG-027 P5-0025	Investigation of the Tolerance of alpha(2,8)-Sialyltransferase to Modified Sialyl Acids and Its Application on Enzymatic Synthesis of Gangliosides Yi-hua Lee, National Tsing Hua University

PG-化學生物 (Chemical Biology)

SUN-PG-028 P5-0026	Chemoenzymatic Method toward the Synthesis of N-Glycan Pentasaccharide Ni-Ying Ho, National Tsing Hua University
SUN-PG-029 P5-0027	Developing Small Molecules as α-L-Iduronidase (IDUA) Protein Stabilizers Toward Mucopolysaccharidosis type I (MPS-I) Disease Ting-Ya Yang, Academia Sinica
SUN-PG-030 P5-0028	Synthesis of Natural-product-inspired molecules targeting bacterial Lipid II to block peptidoglycan biosynthesis Chia-En Chen, Academia Sinica
SUN-PG-031 P5-0030	Delivering therapeutic peptide drug with mesoporous silica nanoparticle against Huntington's disease Yi-Yun Ho, National Central University
SUN-PG-032 P5-0031	Synthesis of Multifunctional Drug Carriers via Ring Opening Polymerization and Supramolecular Coordination Chemistry Kuan-Heng Cheng, National Taiwan University
SUN-PG-033 P5-0032	Mass Spectrometric Analysis of Neurotransmitter Changes Induced by Dopamine in PC12 cells. 王殿鈞, Tunghai University
SUN-PG-034 P5-0033	Development of a Fluorescent Polymyxin E-Based Probe to Establish a Fluorescence Polarization (FP) Platform for Lipid A Po-Yi Hsu, Academia sinica
SUN-PG-035 P5-0034	ACE2-expressing Membrane-camouflaged Copper Nanoparticle For Decoying and Killing SARS-CoV-2 Pooja Aich, Kaohsiung Medical University
SUN-PG-036 P5-0035	How Does a Newly Identified ESCRT-III Protein, PspA, Bind and Remodel the Membranes? Samuel Herianto, Academia Sinica and National Taiwan University
SUN-PG-037 P5-0036	The Application of Nuclease Induced-stepwise Photodropping (NISP) to Investigate the Degradation Behavior of DNA Polymerase γ Shih-Wei Wang, National Sun Yat-sen University
SUN-PG-038 P5-0037	Preparation of Cholesterol-Peptide Derivative Extended Compounds with Enhanced Hydrophobicity to Facilitate their Penetration Across the Blood-Brain Barrier Yu-Yu Chang, 鄭建中實驗室
SUN-PG-039 P5-0038	Research on the preparation of controlled release anti-mosquito microcapsules 楊國明, Cheng Shiu University
SUN-PG-040 P5-0039	Targeting junction sites in different DNA by bis-intercalators induces topological changes with potent antitumor effects Shih-Chun Huang, National Chung Hsing University
SUN-PG-041 P5-0040	Unveiling the Structural-Activity Relationship of Self-Assembling Peptide Hydrolases by Molecular Dynamics Simulations Yen-Chen Pan, National Tsing Hua University
SUN-PG-042 P5-0042	Optimization of Whole-Cell Biosensors based on Logic Gate to Detect Copper ion in <i>Cupriavidus metallidurans</i> Chia-Ching Yuan, National Taiwan Normal University
SUN-PG-043 P5-0043	Bioengineered the Metabolic Pathway and Improved Selectivity of Tyramine Detection by Biosensor Xiao-Jie Liu, National Taiwan Normal University
SUN-PG-044 P5-0044	Investigating a series of Rifampicin-MccJ25 conjugates for potential synergism in RNA polymerase inhibition Hsi Wen Kao, National Taiwan University

PG-化學生物 (Chemical Biology)

SUN-PG-045 P5-0045	Modulating stable protonation states and cis/trans isomerism in methylated tripeptides using dft-deep learning approach Hieu Cao Dong, National Taiwan University
SUN-PG-046 P5-0046	Structurally modified sterol analogue influences the metabolic labeling of steryl glucosides in Helicobacter pylori and Cryptococcus neoformans Chung-Wei Fu, Academia Sinica
SUN-PG-047 P5-0047	Preparation of Cholesterol-Peptide Conjugates by Linking Amyloid-β Peptides with Cholesterol for the Development of Alzheimer's Disease Therapeutics Shi-Peng Zhang, 鄭建中實驗室
SUN-PG-048 P5-0048	Probing and Verification of Glycosylation Catalytic Mechanisms of Natural Alkaloid Glycosyltransferase by Substrate Analogs and AI-Directed Molecular Simulations Jing-Rong Lai, National Cheng Kung University
SUN-PG-049 P5-0049	BT&D2 Medical and Pharmaceutical R&D System Integrates and Utilizes Artificial Intelligence and Big Data to Efficiently Predict Drugs-Diseases Relationship for Precision Medicine Shu-Han Xu, National Cheng Kung University
SUN-PG-050 P5-0050	Plasma Metabolomic Profiling Analysis in Taiwan Biobank : Relationship between Metabolites and Health Factors BaiChuan Wang, National Chung Cheng University
SUN-PG-051 P5-0051	Towards Peptidyl Liposome That Can Fuse with Cell Membranes Ting-Chih Chang, Academia Sinica
SUN-PG-052 P5-0053	NMR-based metabolic profiling of atypical teratoid/rhabdoid tumor (ATRT) medium extracts under different doses of COH29 with the addition of radiation therapy Pei Lian Li, National Chung Cheng University
SUN-PG-053 P5-0054	Thermo-responsive injectable hydrogel with high tissue adhesion combining photothermal therapy for colorectal cancer treatment Tian Zhen Lee, Taipei Medical University
SUN-PG-054 P5-0057	Development of novel selective FPR1 antagonist against neutrophil-mediated inflammatory disease Shih-Chieh Yen, Development Center for Biotechnology
SUN-PG-055 P5-0058	Silanized acrylic graphene oxide nanocomposite reinforced mechanically tunable GelMA/HAMA printable bio-ink for adipose-derived stem cells differentiated mature smooth muscle cells Pavanchandh Atturu, Kaohsiung Medical University
SUN-PG-056 P5-0059	Development of a Synergistic Therapy Based on Nuclear Translocation upon Photosensitisation to Improve Anticancer Efficiency of Doxorubicin Dat Thanh Dinh, National Chung Hsing University
SUN-PG-057 P5-0060	Comprehensive Molecular Theranostics of Benzothiazole Derivatives in Oncological Research 劉家豪, National Chung Hsing University

PH-光電材料 (Photoelectronic Materials)

SUN-PH-001 P7-0001	Judicious Molecular Design of 5H-Dithieno[3,2-b:2',3'-d]pyran-based Hole-Transporting Materials for Highly Efficient and Stable Perovskite Solar Cells Chia-Hui Lin, Soochow University
SUN-PH-002 P7-0002	((4h-cyclopenta)2,1-b:3,4-b')dithiophene-4-one) as Self-assembled Monolayer for Inverted-type Perovskite Solar Cells Wen-Tzu Chen, Soochow University

PH-光電材料 (Photoelectronic Materials)

SUN-PH-003 P7-0003	Research on the application of self-assembled molecules with Donor -π-acceptor carbazole structure in indoor perovskite solar cells chang hsun Tasi, Soochow University
SUN-PH-004 P7-0008	Study on Novel Carbazole-Based Self-Assembled Monolayer for Inverted Perovskite Solar Cells 林冠廷, Soochow University
SUN-PH-005 P7-0009	Enhanced Performance of Photocatalytic CO₂ Reduction Using Cu@Graphene Nanoparticle-decorated Co₃O₄ Nanoneedles Yi-Xuan Lin, University of Taipei
SUN-PH-006 P7-0013	Research on Benzanthrone Quinone Derivatives as Hole Transport Materials for Perovskite Solar Cells Chia Yang Kao, Soochow University
SUN-PH-007 P7-0017	Structure-Packing-Charge Carrier Mobility in Pure Hydrocarbon Host Materials for OLEDs Yi Feng Wang, National Tsing Hua University
SUN-PH-008 P7-0018	Effect of substituent patterns on charge transport properties of OLED host materials Yu Cheng Tseng, National Tsing Hua University
SUN-PH-009 P7-0022	Searching for Small Non-Fullerene Acceptors by Computational High-throughput Screening Josh Hu, National Tsing Hua University
SUN-PH-010 P7-0023	Application of novel spiro-type hole transport layer materials in perovskite solar cells Yu-Wei Chin, Soo-chow university
SUN-PH-011 P7-0026	π-conjugated Organic Dye Containing Long Alkoxy Chains for Dye-Sensitized Solar Cells Cheng-Yang Tsai, Academia Sinica
SUN-PH-012 P7-0027	Metal-Free Phthalocyanine-Based Additives for Stabilizing and Enhancing the Performance of Perovskite Solar Cells Chuan Hung Huang, Tamkang University
SUN-PH-013 P7-0028	Alkyl Chain Length Effect on the Polymorphism of Stimuli-Responsive Ethynylanthracene Derivatives Wen-Yu Chung, Academia Sinica
SUN-PH-014 P7-0030	Design and Synthesis of Novel AIEgens Based on Imidazole-Pyridine Conjugates Wei-Ting Chien, Chung Yuan Christian University
SUN-PH-015 P7-0039	Small-molecule Passivators and Spacers Based on Carbazole and Acridine Entities for the Application of Perovskite Solar Cells 張翔, Providence University
SUN-PH-016 P7-0040	Mono-substituted Naphthalene-fused Polyaromatic Hydrocarbons for DSSC Applications Hotzu Ling, Providence University
SUN-PH-017 P7-0048	Push-pull Type Naphthalene-fused Polyaromatic Hydrocarbons for DSSC Applications: Influence of Amine Substituents Yuetong Lin, Providence University
SUN-PH-018 P7-0052	Ultra-High Response and Flexible Green Graphene Photodetectors Integrated with Lead-Free Perovskite Quantum Dots Heng-Yi Lin, Chung Yuan Christian University
SUN-PH-019 P7-0058	Ultra-Nanocrystalline Diamonds Synthesized by Filament Chemical Vapor Deposition at a High CH₄/H₂ Ratio Pang-Cheng Liu, Chung Yuan Christian University

PH-光電材料 (Photoelectronic Materials)

SUN-PH-020 P7-0063	Effective Photocatalytic CO₂ Reduction Using PEDOT-Functionalized Cu@Graphene Nanowires Zi-Yu Chen, University of Taipei
SUN-PH-021 P7-0065	Synthesis of Cu@Graphene Core-Shell Nanoparticles for Photocatalytic CO₂ Reduction Xie Ding Han, University of Taipei
SUN-PH-022 P7-0004	Creating Radical-Mediated Fluorescent Defects in Carbon Nanotubes Ngoc Khanh Tran, Institute of Atomic and Molecular Sciences Sinica Academia
SUN-PH-023 P7-0005	Preparation of Gallium-Doped Cuprous Oxide Semiconductor Films via Sputtering for Photoelectrochemical Applications Juan Xuan Li, National Taiwan Ocean University
SUN-PH-024 P7-0006	Bimetallic Modification of Graphitic-Phase Carbon Nitride for Enhanced Photoelectrocatalytic Reactions 黃怡晴, Tunghai University
SUN-PH-025 P7-0007	Iridium modified few-layer graphite carbon nitride for electrocatalysis oxygen evolution reaction Yun Ting Tseng, Tunghai University
SUN-PH-026 P7-0010	Hybrid-Protected Perovskite Quantum Dot Films with Ultra-High Efficiency and Stability for LED Backlighting Loan Ngo, National Taiwan University
SUN-PH-027 P7-0011	Simulation and Analysis of Solar Cells Based on Sb₂(S, Se)₃ Absorption Layer: Analysis of Different Oxides as HTL 溫建智, National Changhua University of Education
SUN-PH-028 P7-0012	Exploring the Effect of Substituents in Imidazole-based Derivatives on Anion Sensing Performance Wei Hsing, Chung Yuan Christian University
SUN-PH-029 P7-0014	Enhanced Luminescence and Color Tuning in BaY₂ZnO₅:Eu³⁺ Phosphors via Graphene Oxide Doping Hsiang-Ju Shih, National Pingtung University
SUN-PH-030 P7-0015	Enhancing the Photocatalytic Performance of Graphitic Carbon Nitride (g-C₃N₄) via the Integration of Transition Metal Oxides Wen-Ling Chen, National Central University
SUN-PH-031 P7-0016	Synthesis, characterization and photophysical properties of quinoxaline-based organic solid-state luminescent materials Hao-Zhe Jiang, Academia Sinica
SUN-PH-032 P7-0019	High-efficiency Perovskite Quantum Dots for Micro-LED Applications Yen-Huei Lin, National Taiwan University
SUN-PH-033 P7-0020	Elucidating the Epitaxial Growth Mechanisms of Solution-Derived BiVO₄ Thin Films Utilizing Rapid Thermal Annealing Guan-Zhu Tu, National Taiwan University
SUN-PH-034 P7-0021	Study on the Physical and Chemical Properties of Fluorine-Substituted Imidazole Compounds Chia-Hung Chu, Chung Yuan Christian University
SUN-PH-035 P7-0024	Synthesis and photophysical study of luminescence materials with dibenzothiophene sulfone and benzophenone cores Yu-Chun Liao, Academia Sinica
SUN-PH-036 P7-0025	Investigation of the Decomposition Behavior of Cs₂AgBiBr₆ Lead-Free Double Perovskite Yu-Chen Hung, National Taiwan University

PH-光電材料 (Photoelectronic Materials)

SUN-PH-037 P7-0029	Spinel-type structured phosphor near-infrared-II emission: intervalence charge transfer and hetero-valent chromium pairs Kuan-Chun Chen, National Taiwan University
SUN-PH-038 P7-0031	Comparative study of film formation conditions through variation in NiOx solution concentration and wet processing parameters Xing_Yu Zeng, National Changhua University of Education
SUN-PH-039 P7-0032	Anomalous Absorption Properties of Symmetrical Carbazole-Triazine Derivatives Fang-Rong Lu, Academia Sinica
SUN-PH-040 P7-0033	Efficiency Enhancement of Sb₂Se₃ Solar Cells Using SCAPS-1D: Boron-Doped ZnO as an Optimized HTL Material Cen-CI Lin, National Changhua University of Education
SUN-PH-041 P7-0034	Anion Effect on the CuII-Neocuproine Mediator and Its Electrocatalysts for Dye-Sensitized Solar Cells: Polymeric Chalcogenides of PEDOT-PEDTT Xin-Bei Lin, National Taiwan Normal University
SUN-PH-042 P7-0035	Quantum Sensing of Semiconductor Devices using Fluorescent Nanodiamonds with All-Optical Methods Yi-Mu Tsui, Academia Sinica
SUN-PH-043 P7-0036	Innovative Approaches to Integrating Lead Halide Perovskite Quantum Dots into High-Performance Luminescent Materials for Broad Applications Andi Magattang Gafur Muchlis, National Taipei University of Technology
SUN-PH-044 P7-0038	Mechanistic Insights into CO₂ Electroreduction to C₂⁺ Products on Cu₂O(111): A DFT Study Tzu Hsun Chu, National Taiwan University of Science and Technology
SUN-PH-045 P7-0041	Enhanced Optical Performance and Stability Through Manipulation of the Ligand Chain in CsPbBr₃ Quantum Dots Yu Chi Hwa, Feng Chia University
SUN-PH-046 P7-0042	Introduce multi-functional groups with spiro-based structure as passivators in perovskite solar cells Jun-kai Peng, Tunghai University
SUN-PH-047 P7-0043	Thermal stability of linkage FAPbBr₃ nanocrystal with three steps of post-processing Yan-Chung Lai, National Taipei University of Technology
SUN-PH-048 P7-0044	Facile Synthesis of Z-scheme WS₂/V₂O₅ Composite as An Efficient Heterojunction Photocatalyst for High Efficient Photocatalytic Under Visible Light Irradiation Linjer Chen, National Kaohsiung University of Science and Technology
SUN-PH-049 P7-0045	Low-carbon synthesis and post-processing of polymer-coated FAPbBr₃ perovskite quantum dots to improve stability Yuan-Hong Chen, National Taipei University of Technology
SUN-PH-050 P7-0046	Realizing over 41.77 % Indoor Efficiency in Wide-Bandgap Perovskite Solar Cells with 3C alkyl linker-based Carbazole-derived SAM Layer Premkumar Gnanasekaran, Tunghai University
SUN-PH-051 P7-0047	Boosting CO₂ Reduction with PCN-222/Graphene Oxide/FAPbBr₃ Dual Z-scheme Heterojunction Photocatalysts Cheng-Hsun Chien, National Taipei University of Technology
SUN-PH-052 P7-0050	Enhancing Performance in Semi-Transparent Ternary Organic Solar Cells by Mitigating Light Loss Using Ultra-Thin Metal Electrodes Zi -Ruei Huang, Ming Chi University of Technology

PH-光電材料 (Photoelectronic Materials)

SUN-PH-053 P7-0053	Truxene-Core Interfacial Materials for Undoped NiOX-Based Inverted Perovskite Solar Cells Cheng-Chieh Lu, Ming Chi University of Technology
SUN-PH-054 P7-0054	Research on the application of organic molecule-modified hole transport layers as interface passivation materials for perovskite solar cells Ho Jian Lin, Ming Chi University of Technology
SUN-PH-055 P7-0055	Developing high-performance organic solar cells through optimization of non-halogenated solvents Yu-Hung Wang, Ming Chi University of Technology
SUN-PH-056 P7-0057	Demonstration of Small Perturbation Techniques via n-type BiVO₄ photoanode OER process Jun Lin Fong, National Taiwan University
SUN-PH-057 P7-0059	Enhancing Photoluminescence and Stability of ZnO-Modified Perovskite Quantum Dot Glass by Metal Oxide Doping Cheng-xuan Wu, NaNational Taipei University of Technology
SUN-PH-058 P7-0060	Enhancing the Performance of Ternary Organic Solar Cells Using Novel Dicyclopentadithienothiophene-Based Non-Fullerene Acceptors Chien Hung Yang, Ming Chi University of Technology
SUN-PH-059 P7-0061	Application and Performance Optimization of Organic Materials in the Electron Transport Layer Interface Engineering of Hybrid Perovskite Solar Cells Hung Teng, Ming Chi University of Technology
SUN-PH-060 P7-0062	Polymorphic Acrylamide-Based Molecules: Fluorochromism is Triggered by Photons in the Solid State Chin-Han Lee, Academia Sinica
SUN-PH-061 P7-0064	Photodetector Study of Two-Dimensional Halide Perovskite with Fluorinated Short-Chained Phenylethylammonium Spacer FangYue Siao, National Taipei University of Technology
SUN-PH-062 P7-0066	Real-time Probing of the EGFR Signaling on the Surface of Single Living Cells using Multifunctional Photoelectric Integrated Microscope System Yu-Ren Chiou, Taipei Medical University
SUN-PH-063 P7-0067	Research and Comparison of Perovskites Based on Fluorinated Ethanolamine Halide Salts and Propanolamine Halide Salts 陳羿德, National Taipei University of Technology
SUN-PH-064 P7-0068	Photodetection Performance of Fluorinated RP Perovskites: A Comparative Study Yun-Ting HSIEH, NaNational Taipei University of Technology, Taipei Tech
SUN-PH-065 P7-0069	Synthesis, Photophysical and Electrochemical Properties of 11H-benzo[4,5]thieno[3,2-b]benzo[4,5]thieno[2,3-d]pyrrole Derivatives with D-π-D Type Structural Configuration 許之榕, Chung Yuan Christian University
SUN-PH-066 P7-0051	Enhancing Transistor Memory Photoresponse Using Perovskite Nanocrystals And Polyamic Acid In Floating-Gate Layers Cao You-Wei, Ming Chi University of Technology

PI-奈米孔洞材料 (Nanoporous Materials)

SUN-PI-001 P8-0005	One-Pot Synthesis of Water-Stable Cesium Lead Halide Perovskite Nanocrystals Confined within Micro-Mesoporous Silica Ruei-Bin Wang, National Cheng Kung University
SUN-PI-002 P8-0006	Preparation and application of Au/ZIF-8 material for low concentration hydrogen gas sensing Hui-Min Chang, Providence University

PI-奈米孔洞材料 (Nanoporous Materials)

SUN-PI-003 P8-0011	Assembly of three 2D or 3D Metal-Organic Frameworks Based on A Flexible Tripodal Thioether-based Pyridyl Ligand and Croconate (C₅O₅²⁻): Structural Characterization and Thermal Stability Hsin-Fang Chang, Soochow University
SUN-PI-004 P8-0018	(Cu-S)_n MOF-Polyaniline-based Electrochemical biosensor to detect ESAT-6 Zhi-Rou Liang, Fu Jen Catholic University
SUN-PI-005 P8-0019	Development of Diversified ZIF Materials for Trace Moisture Sensors and VOC Gas Electronic Noses in Livestock Applications Yu-Cheng Shih, Providence University
SUN-PI-006 P8-0041	Electronic Structure Engineering of Nickel Single Atom Catalyst with Phosphorus to Boost Electrochemical CO₂ Reduction in a Proton-Rich Environment MengstuEtay Ashebir, Institute of Atomic and Molecular Sciences, Academia Sinica
SUN-PI-007 P8-0042	Efficient Photocatalytic CO₂ Reduction using MoS₂ Capped Au Nanoparticles 徐國泰, University of Taipei
SUN-PI-008 P8-0001	Advanced Magnetolectric Metal-Organic Frameworks for Targeted Glioblastoma Therapy via Ferroptosis Induction and Immune Activation Hui-Wen Lien, National Tsing Hua University
SUN-PI-009 P8-0002	Preparation of Nickel-Cobalt Metal-Organic Framework by Solvothermal Method as Electrode Materials for Sandwich Type Micro-supercapacitors Wei-Chun Chen, National Yunlin University of Science and Technology
SUN-PI-010 P8-0003	Solvothermal Synthesis of Copper-Cobalt Metal Organic Framework as Electrode Materials for Interdigital Micro-supercapacitors. Qing-Rong Yang, National Yunlin University of Science and Technology
SUN-PI-011 P8-0004	Luminescent lanthanide-containing alginate/SiO₂ nanocomposite hydrogels for sensing applications Yu Yun Hsu, National Taiwan University
SUN-PI-012 P8-0007	In situ clustering of copper nanoparticles in a mesoporous cerium-based metal-organic framework toward electrochemical nitrate reduction to ammonia Cheng-Hui Shen, National Cheng Kung University
SUN-PI-013 P8-0008	Machine Learning-Driven Exploration of Metal-organic Frameworks with Fast Water Diffusion I-Ting Sung, National Taiwan University
SUN-PI-014 P8-0009	Anionic Metal-Organic Framework for Modulating the Selectivity of Electrochemical Nitrate Reduction to Ammonia Yun Shan Tsai, National Cheng Kung University
SUN-PI-015 P8-0010	Amino-functionalized Covalent Quinazoline Networks for CO₂ Separations Ting-Yuan Tung, National Cheng Kung University
SUN-PI-016 P8-0012	Effect of Pore Structures of Multiporous Carbons on the Performance of Supercapacitors Zheng wei He, National Cheng Kung University
SUN-PI-017 P8-0013	Synthesis of Mesoporous Silica SBA-15 for Application in New Bistability Smart Windows Hui-Chi Wu, National Cheng Kung University
SUN-PI-018 P8-0014	Shaping of Porous Molecular Crystal for CO₂ Capture by Pressure Swing Adsorption Shang-Yu Kuo, National Cheng Kung University
SUN-PI-019 P8-0015	Studying Early Stages of Silica Polymerization in the Context of Zeolite Synthesis Using Molecular Dynamics Yun-Chen Hsu, National Central University

PI-奈米孔洞材料 (Nanoporous Materials)

SUN-PI-020 P8-0016	Raltitrexed-conjugated Quercetin@MOF as Selective and pH-sensitive Nanomedicine for Synergistic Anticancer Therapy 郭家瑜, National Cheng Kung University
SUN-PI-021 P8-0017	Lanthanide-modified two-dimensional zirconium-based metal-organic framework for photoluminescence detection of D₂O Tzu-Chi Lin, National Cheng Kung University
SUN-PI-022 P8-0020	Thermal Contact-Induced Porous Structures for Enhanced Adsorption Efficiency in Metal-Organic Framework Films Wei Qi Ting, National Taiwan Normal University
SUN-PI-023 P8-0021	Contribution of confined structure on fast and selective ionic transport by SBA-15 Pin Sian Lee, National Cheng Kung University
SUN-PI-024 P8-0022	Green-Chemistry Method to Synthesize Phase-Tunable Porous Zirconia with High Surface Area Yu-Chun Lin, National Cheng Kung University
SUN-PI-025 P8-0023	Synthesis of Hydrophobic Mesoporous Silica Materials for Removal Dye in Recycled BHET Yi-Ching Huang, National Cheng Kung University
SUN-PI-026 P8-0024	Tuning the Pore Structures and Functional Applications by Mixed-Ligand Metal-Organic Cages Jiale Chen, National Taiwan Normal University
SUN-PI-027 P8-0025	Superhydrophobic Modification of Aluminum Metal-Organic Frameworks and Separation Application of Water-in-Oil Emulsions Souvik Pal, National Tsing Hua University
SUN-PI-028 P8-0026	Perhydroxylated benzoquinoid covalent triazine framework for sustainable electrochemical sodium-ion storage Chen-Yu Hung, National Cheng Kung University
SUN-PI-029 P8-0027	Membrane-Integrated Liposome capable specific Tumor-Homing to Encapsulate Au@SiO₂ drug delivery Nano system for Enhanced Photothermal and Chemo combination therapy in Skin Metastatic Breast Cancer Fang-Yi Hsu, Kaohsiung Medical University
SUN-PI-030 P8-0028	Two-Dimensional Materials Constructed via Heteroleptic Terpyridine Complexation Chun-Ping Hsieh, National Taiwan University
SUN-PI-031 P8-0029	Cutting-edge Redox-responsive Mesoporous Organo-silica Nanoparticles for PROTAC-driven Mutant Huntingtin Degradation Ozi Adi Saputra, Academia Sinica
SUN-PI-032 P8-0030	Plasmon-Assisted Bimetallic Metal Deposition on a Mesoporous Silica Idhea Islami, National Changhua University of Education
SUN-PI-033 P8-0031	Metal Nanocatalysts for H₂O₂ Production from Formic Acid and Molecular Oxygen: Effects of Particle Size and Support Yu-Fen Hsia, National Changhua University of Education
SUN-PI-034 P8-0032	Bottom-up Synthesis of Two-dimensional Aluminum-Based Metal Organic Framework Nanosheets for Enhanced CO₂ /N₂ separation Yu-Shun Wang, National Taiwan Normal University
SUN-PI-035 P8-0033	The Research on Early Secreted Antigen Targeting 6 kDa Detection Using Polyaniline-Doped CuS-MOF Modified Paper-Based Microfluidic Device Pei-Hsuan Chiang, Fu Jen Catholic University

PI-奈米孔洞材料 (Nanoporous Materials)

SUN-PI-036 P8-0034	Electrospun Polybenzoxazine/Polyacrylonitrile/ Zinc Chloride Composite Materials In Carbon Electrode Materials Kai-Shiang Hung, National Chin-Yi University of Technology
SUN-PI-037 P8-0035	Using Metal-Organic Frameworks as Catalysts for Epoxide/CO₂ Copolymerization En-Hsu Wu, National Tsing Hua university
SUN-PI-038 P8-0036	Temperature-Dependent Behavior of NIPAM-Based Hydrogel Analyzed by SAXS Chia-Fu Chang, National Taiwan University
SUN-PI-039 P8-0038	De Novo Synthesis Agrochemicals in Metal-Organic Frameworks for Agriculture Yuan-Cheng Chan, National Taiwan Normal University
SUN-PI-040 P8-0039	ZrT-2 synthesis optimization for VOC adsorption applications 林子筠, Kaohsiung Medical University
SUN-PI-041 P8-0040	The formation mechanism and properties of supported WO₃-x Nanoclusters Jui-Huang Huang, National Changhua University of Education
SUN-PI-042 P8-0043	Enhanced CO₂ Electroreduction Using Axial Oxygen-Coordinated NiN₄ Single-Atom Catalysts Osama Nasr, National Yang Ming Chiao Tung University

PJ-化學教育 (Chemistry Education)

SUN-PJ-001 P9-0001	Enhancing chemical education with a homemade LED photometer: methodology and applications Yu-Hsin Hsu, Chung Shan Medical University
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