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/$MoSe_2$ for the detection of Remimozolam 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

PA-分析化學 (Analytical Chemistry)	
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)/$Cu_3Mo_2O_9$ 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

PA-分析化學 (Analytical Chemistry)	
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, NaNational 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

PA-分析化學 (Analytical Chemistry)	
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 $^{12}C_2$-/$^{13}C_2$-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

PA-分析化學 (Analytical Chemistry)	
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-Chemg, 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)吡唑并吡啶受 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, Phthorimaea absoluta** 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-Lihg 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 Opuntia stricta** Xin-Yu Jin, National Pingtung University
SAT-PB-029 P4-0122	**Sterol-related metabolites were newly identified and isolated from the octocoral Capnella imbricata.** Liang-Yu Chen, National Pingtung University
SAT-PB-030 P4-0004	**Rapid Naked-eye Detection of Hg^{2+} 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 o-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 N-sulfinyl imine via Cs_2CO_3-mediated asymmetric hydrophophonylation** 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 Allenoates** 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 (±)-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) Dicarbofunctionalization 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

PB-有機化學 (Organic Chemistry)	
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, NaNational 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 Strucutre 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-Induce 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硫醚耦合** 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 Popat 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.H_2O-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

PB-有機化學 (Organic Chemistry)	
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 CCl_2Br: 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 Macrocycle 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 Bhausaheb 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 Unviersity
SAT-PB-112 P4-0123	**Photoelectrochemical Catalyzed Benzylic Trifluoroethyletheri-fication on Biofriendly Silk-Mediated Photoelectrode** Hung-Chi Chen, Soochow University
SAT-PB-113 P4-0124	**Aromatic Chlorination using Sulfuric acid, Sodium Chloride, O_2, 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

PC-物理化學 (Physical Chemistry)	
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 $ZnIn_2S_4$ for Photocatalytic CO_2 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 CO_2 Reduction** Yun-Yang Lee, National University of Tainan
SAT-PC-007 P2-0027	**Nanographene modification of $CsPbBr_3$ Nanocrystals for Activity improvement in Photocatalytic CO_2 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, cyanoformyl 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, Nationtal Taichung University of Education
SAT-PC-012 P2-0045	**Theoretical study of the photoelectron spectra of acetonitrile** Yun-Ting Chiu, Nationtal 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, Nationtal Taichung University of Education
SAT-PC-020 P2-0097	**The construction of Ag/WSe_2 composite materials and their application in electrochemical dopamine detection.** Wen-Ze Kang, Providence University

PC-物理化學 (Physical Chemistry)	
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-MnO_2/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 S_1–T_1 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

PC-物理化學 (Physical Chemistry)	
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 α-SiO_2 (0001) Surface with a Neural Network Potential** Seyong Choi, Pusan National University
SAT-PC-043 P2-0011	**Radiative Recombination Coefficients of InxGa(1-x)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 Electrocatalytic 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 Unviersity
SAT-PC-051 P2-0021	**Enhanced Catalytic Cycle of Glucose Oxidation and Reactive Species with ROS and RHS 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

PC-物理化學 (Physical Chemistry)	
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 CO_2 Reduction Pathways by Catalyst $CuBi_2O_4$ 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 syngeristic 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 C_3N_4 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-C_3N_4 Surfaces** Sih-Ling Hsu, National Taiwan Normal University

PC-物理化學 (Physical Chemistry)	
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 CO_2 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-Fe_2O_3) intercalated fluorphlogopite: 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 V_2NCl_2 MXene** Chuan-Siang Wu, Feng Chia University
SAT-PC-118 P2-0115	**DFT Investigation of Surface-Modified CuO for Enhanced Electrocatalytic CO_2 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 Unversity

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 CO_2-to-CO Boudouard Reaction over Ni-doped CeO_2 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 CS_2 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/Al_2O_3 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 CO_2 Reduction to C_2 Products** Yu-Chun Liu, National Yang Ming Chiao Tung University
SAT-PD-010 P10-0010	**Silver-Carbon Nanofiber Composite Catalysts for Industrial Electrocatalytic CO_2 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 V_2O_5-MoO_3/TiO_2 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 (黃献家), 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