3/6 五 ▶ 3/8 日

2026 化學年會

2026 Chemistry National Meeting at National Chung Hsing University (NCHU)

國立中興大學・臺中

永續 X 智能 X 健康

Innovative Chemistry for Sustainability, Intelligence, and Health

PROGRAM

TAICHUNG, TAIWAN

National Chung Hsing University

Organizers

Co-Organizers

Supervisor

中興化學 創系七十 卓越頂尖

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台灣半導體特用化學品供應商
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公司簡介

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公司三分之一人數的
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配方自主設計

榮獲
「傑出創新企業獎」
「2023幸福企業」
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免費午餐
優於同業加班誤餐費

不限期的住宿津貼

年終獎金、績效獎金
專案獎金、研發獎金

新人教育訓練
語文進修補助

優於法令休假日

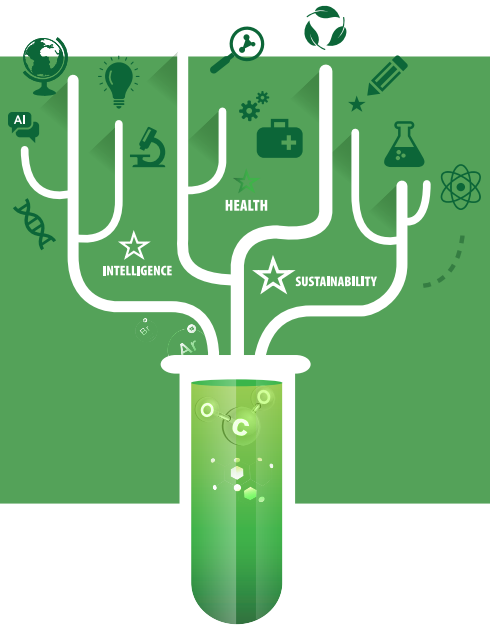
OPENING

半導體研發工程師　半導體製程工程師　半導體品管工程師

★職缺詳細工作內容請掃104 人力銀行QR-code

新應材網站

104人力銀行



Contents

台灣中油股份有限公司

打造友善職場，推動兩性平權

中油戮力推動性別平等措施，

建立性別友善工作環境，

並打破家庭角色刻板印象，

近年男女性申請育嬰留停比例約為4:6。

廣告


台灣中油股份有限公司
中油愛惜每一片土地
守護各場域珍貴動植物
一起發現中油生態之美
分享能源單位與在地共融的成果
官網
廣告

Welcome Message

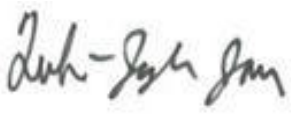
Welcome to 2026 CNM
National Chung Hsing University, Taiwan

It is our great pleasure to welcome you to the **2026 Chemistry National Meeting**, held from **March 6–8, at National Chung Hsing University, Taiwan**.

This year's theme, **"Innovative Chemistry for Sustainability, Intelligence, and Health,"** highlights the role of chemistry in shaping a future that is not only sustainable and intelligent but also dedicated to human well-being. At this pivotal moment in global scientific progress, chemistry is uniquely positioned to drive breakthroughs that safeguard our planet, harness the transformative power of smart technologies, and elevate the quality of human life. The meeting offers a platform for scholars and experts to share cutting-edge research, exchange innovative ideas, and cultivate interdisciplinary collaboration. By integrating sustainability principles, smart chemical solutions, and health-centered innovations, we aim to advance scientific progress to build a more sustainable and healthier society.

We look forward to your active participation in discussions to expand networks, spark collaborations, and generate insights that propel chemistry toward a future of responsible innovation. Let us harness the transformative power of chemistry to shape a healthier and more sustainable world for generations to come.

Thank you for being part of us. May this conference be engaging, inspiring, and successful for all.



2026 CNM Chair
Dr. Fuh-Jyh Jan
President
National Chung Hsing University

2026 CNM Honorary Chair
Dr. Tzong-Ming Lee
President
Chemical Society of Taiwan (CST)

2026 CNM Vice Chair
Prof. Duen-Yau Chuang
Professor and Chair
Department of Chemistry, National Chung Hsing University

Organizing Committee

榮譽主席	李宗銘理事長
大會主席	詹富智校長
榮譽副主席	黃家健院長
大會副主席	莊敦堯主任
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招待組	賴奕丞老師、陳卿瑾老師、李紹齊老師、林寬鋸老師
財務組	林佳慧老師
議程組	韓政良老師
場地組	蘇正寬老師、梁健夫老師
總務組	陳炳宇老師

Acknowledgement

Supervisor

台灣化學學會
Chemical Society of Taiwan

Organizer

國立中興大學
NATIONAL CHUNG HSING UNIVERSITY

T²CoMSA
台灣理論計算分子科學學會

Co- Organizer

NSTC

Chemistry Promotion Center

中央研究院化學研究所
Institute of Chemistry Academia Sinica

環境部化學物質管理署
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Conference Information

Registration Counter	Opening Time
Location: 1st Floor, Social Science and Management Building (NCHU) 地點：中興大學社管大樓一樓	
March 7 (Sat.)	08:00-17:30
March 8 (Sun.)	08:00-15:30

BADGE
Please wear your name badge and keep it clearly visible at all times while attending the conference. Name badges will be issued to all participants at the registration desk. For security reasons, access to the conference venue will not be permitted without a valid name badge.

Exhibition	Opening Time
Location: 1st Floor, Social Science and Management Building (NCHU) 地點：中興大學社管大樓一樓	
March 7 (Sat.)	09:00-17:30
March 8 (Sun.)	09:00-15:00

Secretariat Office	Opening Time
Location: SC218, 2nd Floor, Social Science and Management Building (NCHU) 地點：中興大學社管大樓二樓 218 室	
March 7 (Sat.)	08:00-17:30
March 8 (Sun.)	08:00-16:30

Event	Time & Location
Opening& Award Ceremony 年會開幕典禮	**09:00-10:00, March 7 (Sat.)** B1 International Conference Hall, Social Science and Management Building, National Chung Hsing University (NCHU). 中興大學社管大樓 B1 國際會議廳
Closing Ceremony & Award Ceremony Lucky Draw Events 年會閉幕暨頒獎典禮 抽獎活動	**15:15-16:15, March 8 (Sun.)** B1 International Conference Hall, Social Science and Management Building, National Chung Hsing University (NCHU). 中興大學社管大樓 B1 國際會議廳
Banquet * 晚宴接駁車於 17:50 發車 上車地點：中興大學社管大樓門口	**18:30-21:00, March 7 (Sat.)** 菊園婚宴會館 晶鑽廳 (臺中市大里區德芳南路 450 號)

Lunch Events	Time & Location
女科學家午餐交流 Exchange Session for Women Scientists	**12:00-13:00, March 7 (Sat.)** SC229, 2nd Floor, Social Science and Management Building, National Chung Hsing University (NCHU). 中興大學社管大樓 2 樓 SC229 教室
【台積電】技術應用暨徵才講座 TSMC Technical & Career Talk	**12:00-12:50, March 7 (Sat.)** SC121, 1st Floor, Social Science and Management Building, National Chung Hsing University (NCHU). 中興大學社管大樓 1 樓 SC121 教室
【新應材】企業簡介、研發產品介紹及公司福利說明與徵才 AEMC Company Overview, Products, and Career Talk	**12:00-12:50, March 7 (Sat.)** SC103, 1st Floor, Social Science and Management Building, National Chung Hsing University (NCHU). 中興大學社管大樓 1 樓 SC103 教室
生涯精進 Career Development： AI 驅動專利論文地圖協助掌握創新研發致勝趨勢	**12:30-13:30, March 8 (Sun.)** SC229, 2nd Floor, Social Science and Management Building, National Chung Hsing University (NCHU). 中興大學社管大樓 2 樓 SC229 教室
【國網中心】不一樣的選擇－國網中心 A Different Path － NCHC	**12:30-13:20, March 8 (Sun.)** SC120, 1st Floor, Social Science and Management Building, National Chung Hsing University (NCHU). 中興大學社管大樓 1 樓 SC120 教室
【布魯克】先進技術應用說明會 Bruker Advanced Technology Application Briefing	**12:30-13:20, March 8 (Sun.)** SC101, 1st Floor, Social Science and Management Building, National Chung Hsing University (NCHU). 中興大學社管大樓 1 樓 SC101 教室

Coffee Break/Lunch Box

地點： 國立中興大學 社管大樓 1 樓中庭展覽區
Exhibition Area, 1F Atrium, Social Science and Management Building, National Chung Hsing University
午餐盒可於**說明會所在教室內用餐，其他開放之空教室亦可用餐**。
敬請用餐後協助維持場地整潔，謝謝您的配合。
Lunch boxes may be enjoyed **in the classrooms where briefing sessions are held, and other available classrooms are also open for dining**. Please help keep the venues clean after use. Thank you for your cooperation.

Bus Schedule

3 月 7 日大會接駁車
主辦單位將提供兩班接駁車，從台中高鐵站前往國立中興大學。
發車時間： 08:05、08:25
集合地點：台中高鐵站 1 樓 6 號出口（客運轉運區）
請準時搭車，遊覽車僅能短暫停靠。
請注意：高鐵大廳位於 2 樓，6 號出口（客運轉運）與 7 號出口（計程車）均在 1 樓地面層。

Shuttle Bus on March 7

The Organizing Committee will provide two shuttle buses from Taichung High Speed Rail (HSR) Station to National Chung Hsing University (NCHU).
・Departure Times: 08:05、08:25
・ Meeting Point: Exit 6, 1st Floor (Bus Transfer Area), Taichung HSR Station
Please be punctual — the shuttle buses can only stop for a short time.
Note: The HSR concourse is located on the 2nd floor. Exits 6 (Bus Transfer) and 7 (Taxi Stand) are on the 1st floor (ground level).

Life science

- 血清/ 抗體
- 生物製藥產程整合
- 生化試劑/抑制劑
- 組織染色 / 微生物培養基
- 高純度脂質
- 蛋白純化
- 高純度溶劑/鹽類
- 微生物培養基
- 精細化學品
- Protein marker/QPAGE
- 藥物篩選服務平台
- 勝任細胞
- 細胞株
- 生物製藥
- 細胞培養基
- 人體蛋白IHC抗體
- 多胜肽
- 免疫染色抗體

Chromatography

- 分析管柱
- 管柱耗材試紙
- HPLC 管柱
- SEC 分析金標準

Consumable & Instrument

- 離心機/ CO_2培養箱
- 實驗室耗材
- 微量吸管尖
- 微量分注器
- 細胞培養耗材
- 細胞培養耗材
- 生化試劑儀器
- 生化試劑儀器
- TAF校正服務

Chemical & Reagent

- 高純度化學品
- 高純度矽膠 / TLC片
- 無機化學品和試劑
- 特殊貴重金屬
- 有機化學合成試劑
- 高純度溶劑
- 高純度矽膠 / C18
- 鹵素/雜環化合物
- 半導體材料
- 同位素標記物
- 石墨烯
- 對照用化學品
- 離子液體
- 導電材料
- 高導電性材料
- 藥物中間體
- 太陽能材料
- 聚合物
- 藥廠原料
- 化學品
- 染料 / 化學品
- 光電材料 / 鹽類溶劑

Standard

- 美國藥典
- 英國藥典
- 歐洲藥典
- 農藥/ 環境污染物
- 環境/塑化劑標準品
- 標準參考物質
- 管製藥品標準品
- 植物/中草藥標準品
- 微量金屬
- 農業/動物用藥標準品
- 醫療檢測標準品 / LC-MS管柱
- 生物標準品
- 同位素標準品

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104 LinkedIn

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熟悉PIC/S GMP Part 1 & Part 2與GDP作業規範。
SOP 制定與管理，確保法規遵循
品質管理系統異常處理、追蹤與改善
不定期與客戶溝通
OOS、稽核及品質相關業務

針劑_製劑研發課/(副)研究員
新藥與學名藥之配方設計、製程開發
研發相數據彙整與研發文件撰寫
製程放大技術移轉
協助藥品查驗登記技術資料撰寫整理

研究所以上，化學相關,藥學相關,生物學相關
具藥廠製劑研發經驗及熟悉分析儀器使用為優
具CDMO專案研發與技轉經驗優先
具製程放大技術移轉經驗為優先

品管_分析方法開發/(副)分析師
蛋白質藥分析經驗
分子生物或儀器化學、光譜分析能力

-研究所以上，化學、藥學、生物學相關

研發_ADC/Protein/(副)研究員
具其他蛋白質分析 (ex: LC)與有機合成經驗佳
有機、藥物合成、分析儀器的操作

- 研究所以上，化學相關,藥學相關,生物學相關
- 具藥廠製劑研發經驗及熟悉分析儀器使用為優
- 具CDMO專案研發與技轉經驗優先
- 具製程放大技術移轉經驗為優先

研發_原料藥開發/(副)研究員
有機、藥物合成、分析儀器的操作
協助cGMP相關工作與Track Wise管理
CDMO 專案中，與客戶建立良好溝通
有光化學經驗者或有藥廠相關經驗為佳

-研究所以上，化學、藥學、生物學相關

薪酬獎金

固定薪資 | 績效獎金 | 年終獎金 | 員工酬勞 | 員工持股信託

員工福利

員工宿舍 | 員工餐廳 | 圖書館 | 健身房 | 鮮奶、咖啡 | 戶外專案 | 家庭日 | 團體保險 | 子女獎學金 | 福委會各項福利金

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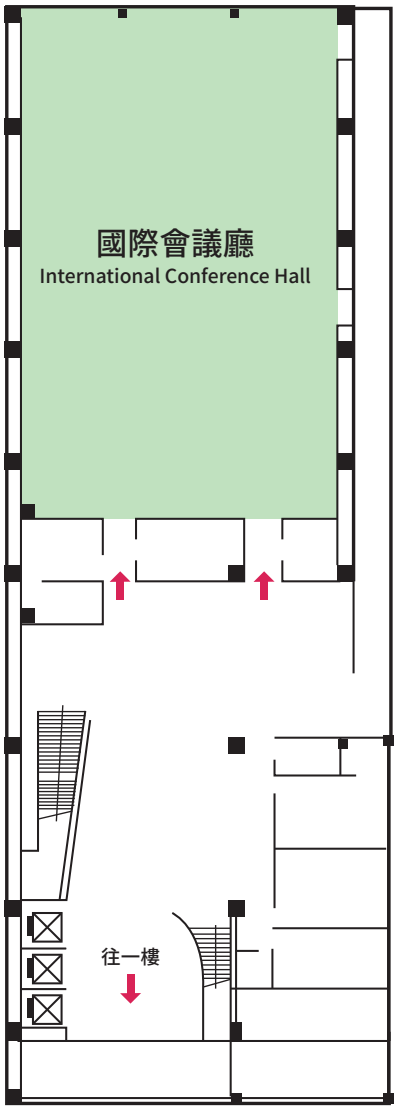
Floor Plan



B1

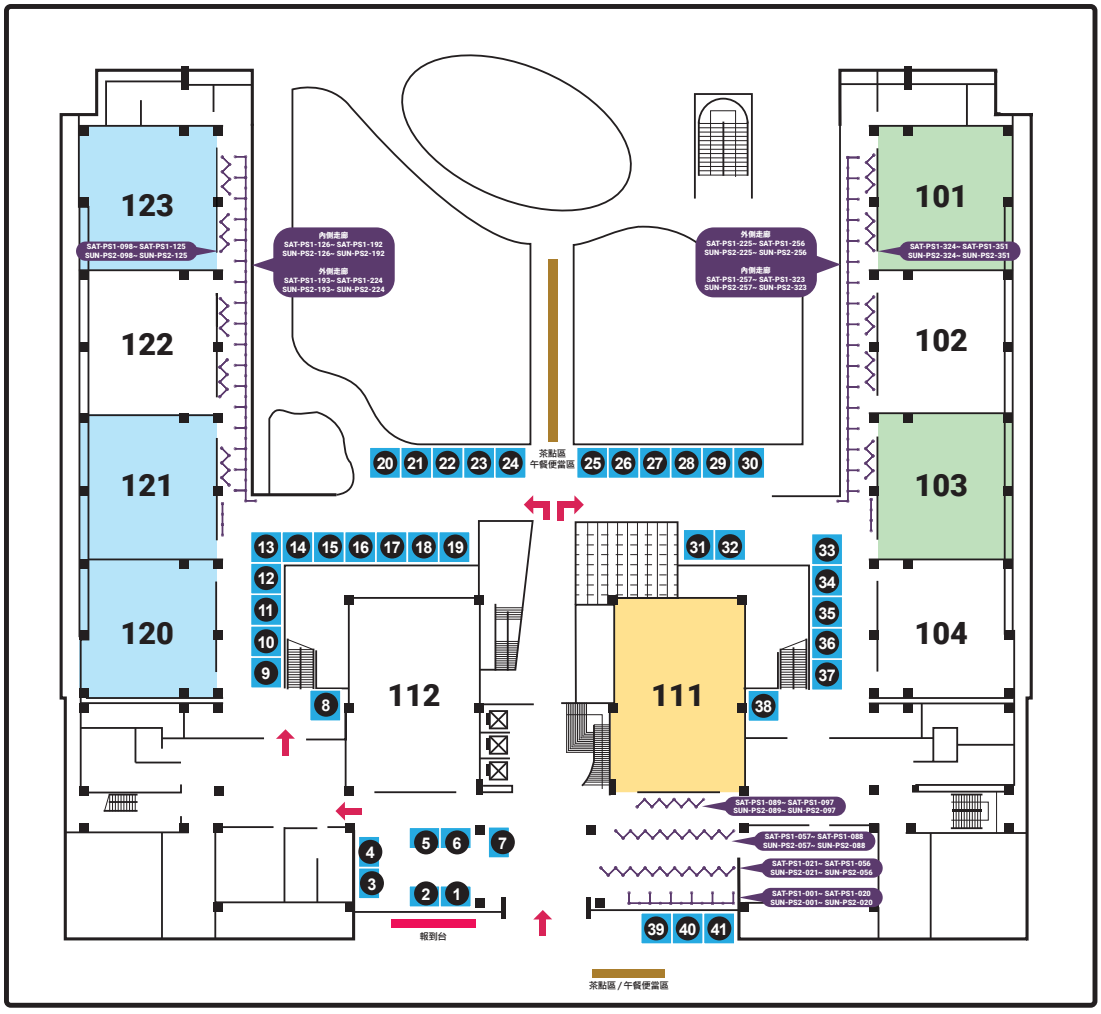
2026 Chemistry National Meeting, National Chung Hsing University
College of Management Building

Function Spaces

	B1 International Conference Hall, College of Management Building, National Chung Hsing University (NCHU). **中興大學社管大樓B1國際會議廳**	Plenary, Opening Ceremony. Closing Ceremony, Lucky Draw Event 大會演講、年會開閉幕式、Lucky Draw抽獎活動

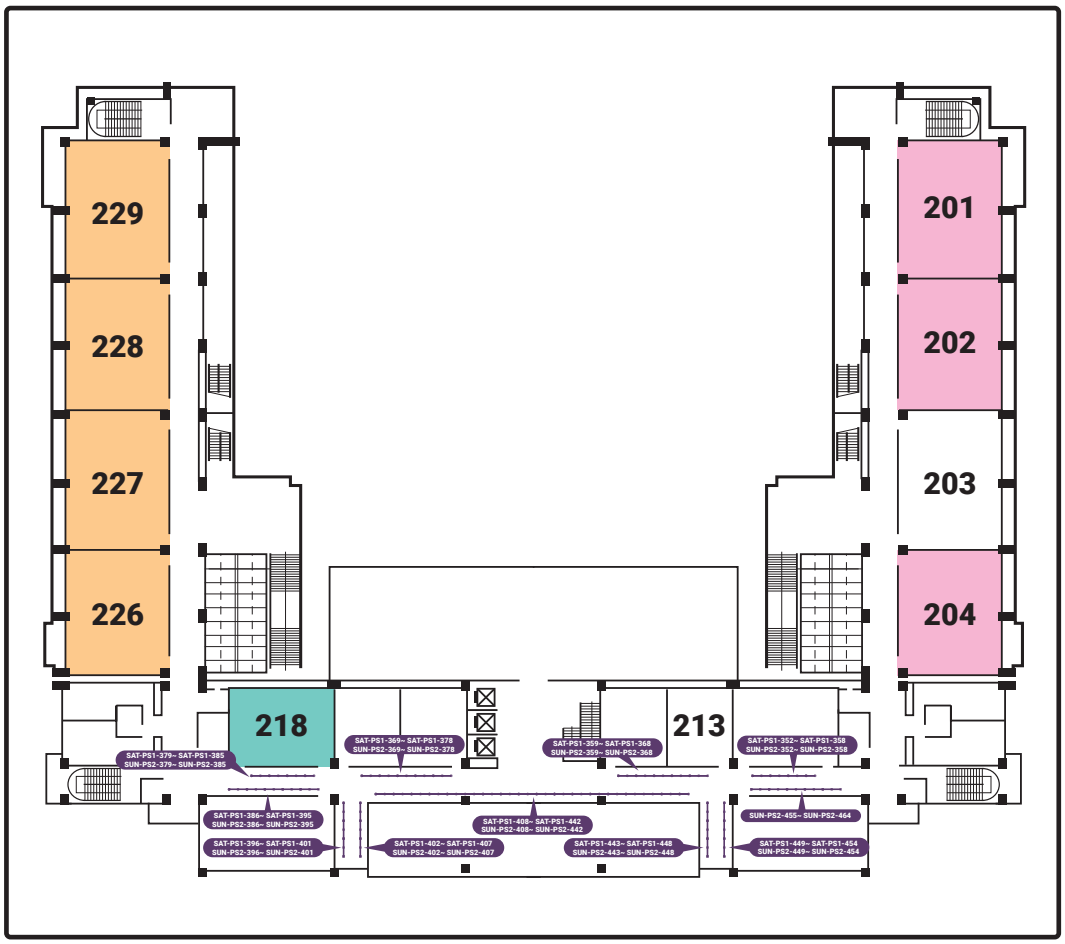
1F

2026 Chemistry National Meeting, National Chung Hsing University
College of Management Building



Function Spaces

	SC 111	3/8	[分組29/分組38]-NCHU–UTokyo Precision Chemistry Special Session【English Session】
	SC101	3/7	[分組7/分組17]-同步輻射光源在軟物質與生物領域的應用I & II Applications of Synchrotron Radiation Light Source in Soft Matter and Biology I & II
		3/8	[分組24]-機械有機化學 Mechanoorganic Chemistry [人才說明會]-布魯克先進技術應用說明會 Bruker Advanced Technology Application Briefing [分組33]-先進有機合成 Advanced Organic Synthesis
	SC103	3/7	[人才說明會]-新應材：企業簡介、研發產品介紹及公司福利說明與徵才 AEMC Company Overview, Products, and Career Talk [分組3]-能源材料及光譜化學 Energy Materials and Spectrochemistry [分組13]-有機光電材料Organic Optoelectronic Materials
	SC120	3/7	[分組1]-先進分子影像光譜技術之開發與應用 Advanced Molecular Imaging Spectroscopy: Development and Applications [分組11]-先進分析技術於生物醫學之研究 Advanced Analytical Techniques in Biomedical Research
		3/8	[分組21]-分離科學 Separation Science [分組30]-質譜分析 Mass Spectrometry [人才說明會]-不一樣的選擇－國網中心 A Different Path － NCHC
	SC121	3/7	[人才說明會]-台積電技術應用暨徵才講座 TSMC Technical & Career Talk [分組2]-巨分子組裝精準調控&奈米生物界面 Precision Control of Macromolecular Assembly & Nano–Bio Interfaces [分組12]-合成及生物有機化學 Synthetic and Bio-organic Chemistry
	SC123	3/7	[分組4]-孔洞&配位 Porous Materials & Coordination Chemistry [分組14]-能源&淨零&催化 Energy, Net Zero, and Catalysis

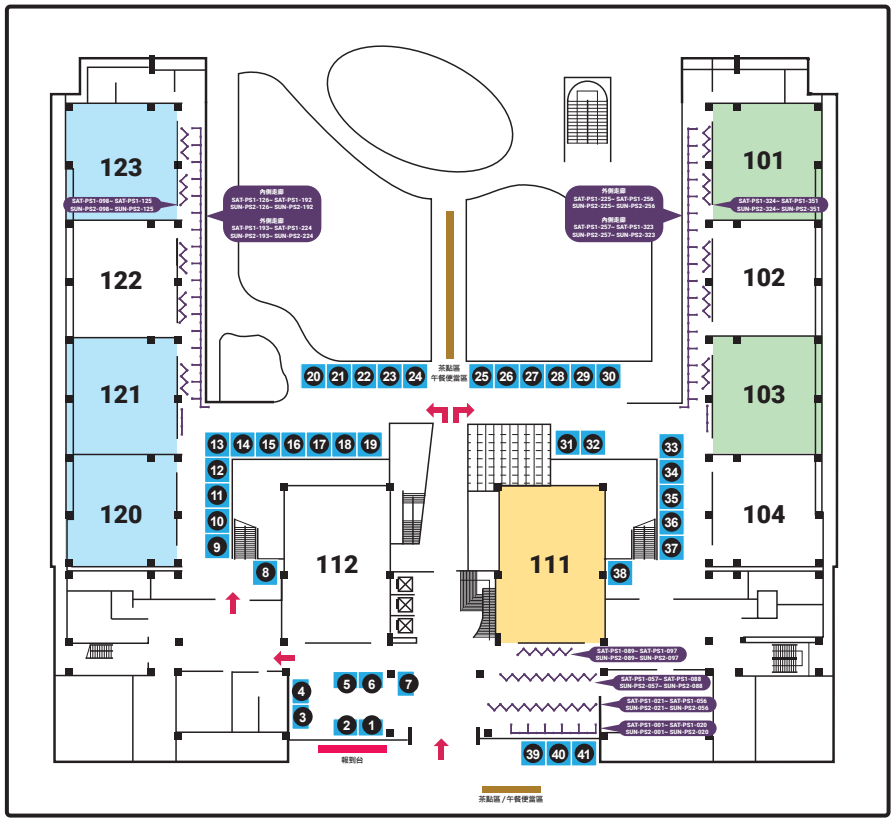


Function Spaces

	SC201	ALL	貴賓用餐區 Area for Teachers' Lunch
		3/7	台灣化學學會會員代表大會 CST Meeting of Member Representatives
		3/8	[分組26]-先進低溫電子顯微鏡 Advanced Cryo-electron Microscopy [分組35]-先進奈米與電池材料的分析與應用技術 Analytical and Application Techniques of Novel Nano- and Battery Materials【English Session】
	SC202	3/8	[分組25]-生物有機化學與應用 Bioorganic Chemistry and applications [分組34]-可觸發響應的化學生物學 Trigger-responsive Chemical Biology
	SC204	3/7	[分組10/分組20]- Young Chemist Session I & II
		3/8	[分組28]-從方程式到分子：數理化學的新契機 From Equations to Molecules: Emerging Opportunities in Mathematical, Physical, and Chemical Sciences [分組37]-生物與生醫中的計算化學 Computational Chemistry in Biological and Biomedical Sciences
	SC226	3/7	[分組8] [綠色化學論壇]-綠色永續化學 x 永續發展目標的實踐 Green Sustainable Chemistry x The Practice of Sustainable Development Goals [分組18] [產學論壇]-能源轉換與儲能 Energy conversion and storage
		3/8	[分組27]-二氧化碳儲存&轉化 CO_2 Storage and Conversion [分組36]-仿生催化 Biomimetic Catalysis
	SC227	3/7	[分組9] [教育論壇]-普化該教什麼? What Should be Taught in General Chemistry? [分組19] [教育論壇] -生成式AI的化學教育應用 Applications of Generative AI in Chemistry Education
	SC228	3/7	[分組6/分組16]-The 6th CST-CSJ Joint Symposium I & II【English Session】 Precision Chemistry for a Sustainable Future: Carbon Neutrality, AI, and Healthcare
		3/8	[分組23]-無機化學基礎原理及合成 Fundamental Principles and Synthesis of Inorganic Chemistry [分組32]-無機錯鹽：材料中的應用與展望 Inorganic Coordination Complexes: Applications and Perspectives in Materials【English Session】
	SC229	3/7	女性科學家午餐交流 Exchange Session for Women Scientists [分組5/分組15]-台日韓理論計算研討會 I & II【English Session】 Trilateral Symposium on Theoretical and Computational Chemistry I & II
		3/8	生涯精進 Career Development：AI 驅動專利論文地圖協助掌握創新研發致勝趨勢 [分組22]-電化學 Electrochemistry [分組31]-化學感測器與顯影技術 Chemical Sensors, Imaging Techniques
	SC218	ALL	大會秘書室Conference Secretariat Office

Exhibition

1F 2026 Chemistry National Meeting, National Chung Hsing University
College of Management Building



Booth No.	Exhibitors	Booth No.	Exhibitors
1	新應材股份有限公司	23	長智文化事業有限公司
2	尚偉股份有限公司	24	子嘉企業有限公司
3	國家科學及技術委員會基礎研究核心設施	25~26	景明化工股份有限公司
4~7	友和貿易股份有限公司	27	中美科學股份有限公司
8	國科會	28	笙貿科技有限公司
9	國家同步輻射研究中心	29	訊聯基因數位股份有限公司
10	國家高速網路與計算中心	30	科安企業股份有限公司
11~12	理學股份有限公司	31~32	力方科技有限公司
13	台灣布魯克生命科學股份有限公司	33	科邁斯科技(股)公司
14	鉅宇科技股份有限公司	34	CAS, a division of the American Chemical Society
15	國科會自然處尖端核心設施技術服務平台	35	暢鴻生物科技股份有限公司
16	北森微流體研發股份有限公司	36	Royal Society of Chemistry
17	台灣美創股份有限公司	37	育亨科技有限公司
18	勵衆生活科技股份有限公司	38	巨研科技股份有限公司
19	智聚生科技有限公司	39	捷東股份有限公司
20	新國科技股份有限公司	40	佳佑企業有限公司
21	和特科技企業有限公司	41	聖川實業有限公司
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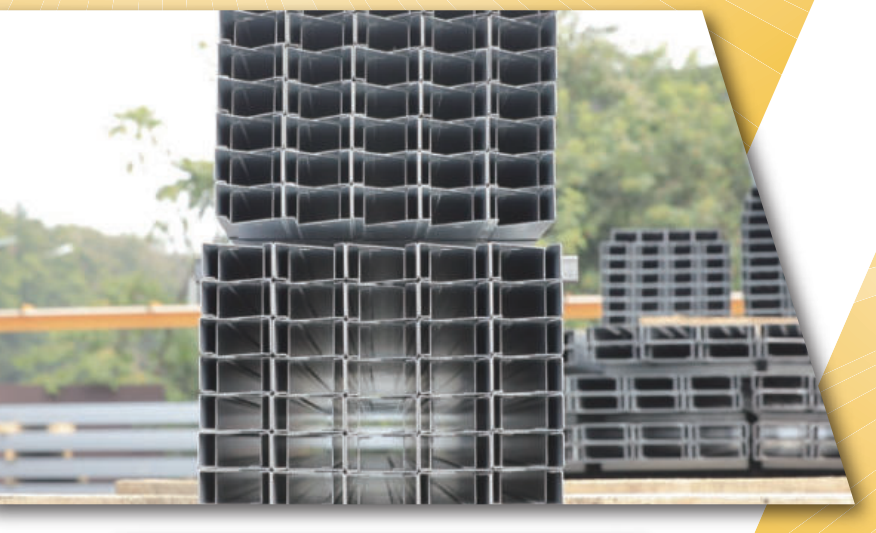

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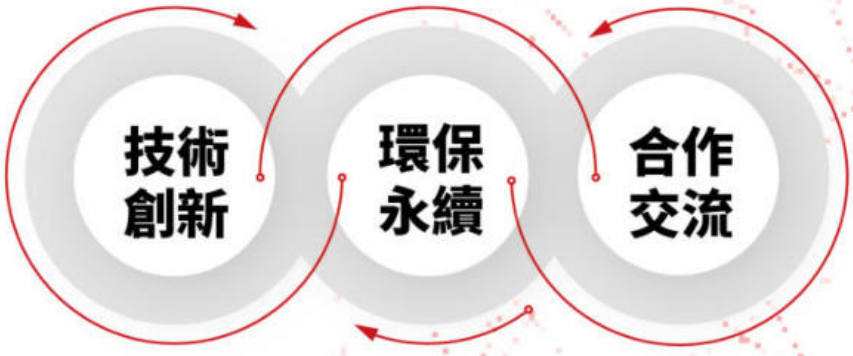

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進入官網

Program-at-a-glance

3 月 6 日 (五)
March 6, 2026 (Fri.)

研究論文獎口試 (Thesis Award Oral Presentation)

Venue/ Time	化學館 1F 研討室 T106B	化學館 1F T107	化學館 1F T108	化學館 1F T112	化學館 1F T114	化學館 4F T408A	化學館 6F T609	化學館 6F T628
13:30-17:30	分析化學 (Analytical Chemistry)	大專生新秀獎 A (College Student Research Award A) (13:00 開始)	無機化學 (Inorganic Chemistry)	大專生新秀獎 B (College Student Research Award B)	有機化學 (Organic Chemistry)	物理化學 (Physical Chemistry)	應用化學 (Applied Chemistry)	化學生物 (Chemical Biology)/ 藥物化學 (Medicinal Chemistry)

3月7日(六)
March 7, 2026 (Sat.)

Venue/ Time	B1 國際會議廳
09:00-10:00	開幕式暨頒獎典禮 (Opening Ceremony & Award Ceremony) -B1 國際會議廳 -
10:00-10:45	大會演講 I [Plenary Lecture I] Prof. Keiji Maruoka (Kyoto University, Japan) Chair: 詹益慈教授 Prof. Yi-Tsu Chan (National Taiwan University) -B1 國際會議廳 -
10:45-11:00	中場休息 Coffee Break
11:00-11:45	大會演講 II [Plenary Lecture II] - 化學學術獎章暨中技社化學學術獎 廖文峯教授 Prof. Wen-Feng Liaw (National Tsing Hua University, Taiwan) Chair: 李位仁教授 Prof. Way-Zen Lee (National Taiwan Normal University) -B1 國際會議廳 -
11:45-12:00	國科會化學學門規劃說明 (NSTC-Chemistry Information Session)
12:00	午餐 Lunch

12:00-13:00	女科學家午餐交流 Exchange Session for Women Scientists - SC229-	【台積電】技術應用暨徵才講座 TSMC Technical & Career Talk (12:00-12:50) - SC121-	【新應材】企業簡介、研發產品介紹及公司福利說明與徵才 AEMC Company Overview, Products, and Career Talk (12:00-12:50) - SC103-
主持人	葉怡均	主講：陳世明	主講：張哲瑋
12:00-12:20	伍素瑩		
12:20-12:40	張俐巧		
12:40-13:00	綜合討論		

Venue/ Time	SC120	SC121	SC103	SC123	SC229	SC228	SC101	SC226	SC227	SC204
13:00-14:30	[分組 1] 先進分子影像光譜技術之開發與應用 Advanced Molecular Imaging Spectroscopy: Development and Applications	[分組 2] 巨分子組裝精準調控 & 奈米生物界面 Precision Control of Macromolecular Assembly & Nano–Bio Interfaces	[分組 3] 能源材料及光譜化學 Energy Materials and Spectrochemistry	[分組 4] 孔洞 & 配位 Porous Materials & Coordination Chemistry	[分組 5] 台日韓理論計算研討會 I Trilateral Symposium on Theoretical and Computational Chemistry I 【English Session】 【30 mins per talk】	[分組 6] The 6th CST-CSJ Joint Symposium I Precision Chemistry for a Sustainable Future: Carbon Neutrality, AI, and Healthcare 【English Session】	[分組 7] 同步輻射光源在軟物質與生物領域的應用 I Applications of Synchrotron Radiation Light Source in Soft Matter and Biology I	[分組 8] [綠色化學論壇] 綠色永續化學 x 永續發展目標的實踐 Green Sustainable Chemistry x The Practice of Sustainable Development Goals 【10 mins per talk】	[分組 9] [化學教育論壇] 普化該教什麼？ What Should be Taught in General Chemistry? 【15 mins per talk】	[分組 10] Young Chemist Session I Organic Chemistry and Physical Chemistry 【15 mins per talk】
主持人	范秀芳	詹迺立 / 黃郁棻	王迪彥	劉學儒	鄭原忠	Mitsuo Sawamoto	施怡之	凌永健	張一知	游景晴
13:00-13:20	魏佑臣	陳星甫	高琨哲	林柏亨	Young Min Rhee	Keiji Maruoka	蕭育源	陳銘賜	林哲仁	吳俊緯
13:20-13:40	陳祺	李建霖	蒲盈志	吳景雲		Kenji Matsuda	葉奕琪	陳鑫昌 張婷婷	蔡蘊明	Reguram Arumugaperumal 陳致銘
13:40-14:00	林群欽	林淑宜	洪崧富	林峻毅	Yasutaka Kitagawa	吳典霖	賴英煌	楊悠娟 陳珮珊	于淑君	Mohana Reddy Mutra
14:00-14:20	林竣偉	曾秀如	杜遠朋	龔仲偉	葉承豪	Miki Hasegawa	李耀昌	陸原 & 游宗憲	曹雅萍	Karthick Govindan
14:20-14:30	綜合討論	綜合討論	永光綠色化學研究論文獎	綜合討論		林玠廷 (14:20-14:40)	綜合討論	綜合討論 (30mins)	綜合討論 (30mins)	陳琮宜
14:30-14:45	中場休息 Coffee Break									
14:45-16:00	台灣化學學會 會員代表大會 CST Meeting of Member Representatives (14:45-15:30) -SC201-				壁報發表 I (Poster Session I)					
16:00-17:30	[分組 11] 先進分析技術於生物醫學之研究 Advanced Analytical Techniques in Biomedical Research	[分組 12] 合成及生物有機化學 Synthetic and Bio-organic Chemistry	[分組 13] 有機光電材料 Organic Optoelectronic Materials	[分組 14] 能源 & 淨零 & 催化 Energy, Net Zero, and Catalysis	[分組 15] 台日韓理論計算研討會 II Trilateral Symposium on Theoretical and Computational Chemistry II 【English Session】 【30 mins per talk】	[分組 16] The 6th CST-CSJ Joint Symposium II Precision Chemistry for a Sustainable Future: Carbon Neutrality, AI, and Healthcare 【English Session】	[分組 17] 同步輻射光源在軟物質與生物領域的應用 II Applications of Synchrotron Radiation Light Source in Soft Matter and Biology II	[分組 18] [產學論壇] 能源轉換與儲能 Energy Conversion and Storage 【15 mins per talk】	[分組 19] [化學教育論壇] 生成式 AI 的化學教育應用 Applications of Generative AI in Chemistry Education 【15 mins per talk】	[分組 20] Young Chemist Session II Inorganic Chemistry and Analytical Chemistry 【15 mins per talk】
主持人	陳朝榮 / 涂熊林	許岱欣	汪根欉	陳軍互	林倫年	蔡易州	王嘉興	王逸萍	趙奕婷	曾炳塊
15:40-16:00	-				-	Nobuhiro Yanai	-	-		-
16:00-16:20	邱懷萱	張瑋成 (30mins) 【English】	張源杰	郭俊宏	Kazushi Fujimoto	黃聖尹	張壯榮	李志聰	游靜惠	王毓傑
16:20-16:40	陳彥伶		李怡葦	俞聖法		Miho Hatanaka	林子敬	吳錦貞	劉沂欣	Kulandaivel Sivasankar
16:40-17:00	嚴欣勇	陳榮傑	林彥多	柯寶燦	Bong June Sung	邱政超	陳盈潔	呂學隆	江政剛	謝佳旻
17:00-17:20	莊旻傑	呂桐睿 (Todd Lowary) 【English】	陳銘洲	王琢堅		Hiroshi Murakami	宋艷芳	張家林	鄭志鵬	吳汶諺
17:20-17:30	綜合討論	李皇毅	綜合討論	永光綠色化學研究論文獎	陳信允	朱忠瀚 (17:20-17:40)	綜合討論	侯昇平 綜合討論 (15mins)	綜合討論 (30mins)	吳乾齊 邱子豪
18:00-21:00	大會晚宴 (Banquet) - 菊園婚宴會館 -									

3 月 8 日 (日)
March 8, 2026 (Sun.)

Venue/ Time	SC120	SC229	SC228	SC101	SC202	SC201	SC226	SC204	SC111
09:00-09:45	大會演講 III [Plenary Lecture III] Prof. Shin-ichi Ohkoshi (University of Tokyo, Japan) Chair: 林寬鋸教授 Prof. Kuan-Jiuh Lin (National Chung Hsing University) - B1 國際會議廳 -								
09:45-11:00	壁報發表 II (Poster Session II)								
11:00-12:30	[分組 21] 分離科學 Separation Science	[分組 22] 電化學 Electrochemistry	[分組 23] 無機化學基礎原理及合成 Fundamental Principles and Synthesis of Inorganic Chemistry	[分組 24] 機械有機化學 Mechanoorganic Chemistry	[分組 25] 生物有機化學與應用 Bioorganic Chemistry and Applications	[分組 26] 先進低溫電子顯微鏡 Advanced Cryo-electron Microscopy	[分組 27] 二氧化碳儲存 & 轉化 CO2 Storage and Conversion	[分組 28] 從方程式到分子：數理化學的新契機 From Equations to Molecules: Emerging Opportunities in Mathematical, Physical, and Chemical Sciences 【30 mins per talk】	[分組 29] NCHU–UTokyo Precision Chemistry Special Session AI-Enabled Precision Drug Discovery and Development 【English Session】 【15 mins per talk】
主持人	賴建成	黃景帆	陳喧應	林韋佑	王聖凱	詹益慈	李位仁	郭哲來	鍾靈
11:00-11:20	陳皓君	陳泊余	蔡易州	杜澄達	高佳麟	詹益慈	江明錫	陳柏中	Haruo Aikawa
11:20-11:40	劉文治	謝伊婷	李漢文	梁子輝	謝俊結	張瓊文	周子勤		韋佩勛
11:40-12:00	簡涵如	杜宜容	陳炳宇	李珮甄	李靜琪	張淵智	邱宗文	許良彥	Jorgen Walker Peterson
12:00-12:20	廖曉偉	黃聲東	蔡振彥	黃郁文	李文泰	胡念仁	魯才德		賴奕丞
12:20-12:30	分析化學研究論文獎 - 傑出獎短講	綜合討論	無機化學研究論文獎 - 傑出獎短講	有機化學研究論文獎 - 傑出獎短講	化學生物研究論文獎 - 傑出獎短講	物理化學研究論文獎 - 傑出獎短講	綜合討論	林敏雄	李賢明
12:30	午餐 Lunch								
12:30-13:30	生涯精進 Career Development： AI 驅動專利論文地圖協助掌握創新研發致勝趨勢 -SC229- 主持人：陸大榮 主講：劉如熹			【國網中心】不一樣的選擇－國網中心 A Different Path — NCHC (12:30-13:20) -SC120- 主講：鄭吉峰			【布魯克】先進技術應用說明會 (12:30-13:20) Bruker Advanced Technology Application Briefing -SC101- Lin Fan-Yen 洪金俊		

Venue/ Time	SC120	SC229	SC228	SC101	SC202	SC201	SC226	SC204	SC111
13:30-15:00	[分組 30] 質譜分析 Mass Spectrometry	[分組 31] 化學感測器與顯影技術 Chemical Sensors, Imaging Techniques	[分組 32] 無機錯鹽：材料中的應用與展望 Inorganic Coordination Complexes: Applications and Perspectives in Materials 【English Session】	[分組 33] 先進有機合成 Advanced Organic Synthesis	[分組 34] 可觸發響應的化學生物學 Trigger-responsive Chemical Biology	[分組 35] 先進奈米與電池材料的分析與應用技術 Analytical and Application Techniques of Novel Nano- and Battery Materials 【English Session】	[分組 36] 仿生催化 Biomimetic Catalysis	[分組 37] 生物與生醫中的計算化學 Computational Chemistry in Biological and Biomedical Sciences	[分組 38] NCHU–UTokyo Precision Chemistry Special Session Precision Materials and Electrochemistry for a Sustainable Future 【English Session】 【15 mins per talk】
主持人	陳頌方	陳志欣	游源祥	林韋佑	李賢明	郭俊宏	洪政雄	朱智瑋	【場次 A 】主持人 賴奕丞
13:30-13:50	倪其焜	蘇平貴	Daniel J. Mindiola	周志明	王宗興	黃暄益	許智能	林榮信	Tatsuya Tsukuda
13:50-14:10	彭文平	陳生明	陳卿謹	何國銘	黃人則	Taro Tanabe	江建文	邱繼正	梁健夫
14:10-14:30	梁世欣	林宗宏	李建宏	朱見和	賴千蕙	包志文	李建明	蔡旻燁	吳台偉
14:30-14:50	蔡伊琳	林子恩	吳嘉盈	朱智謙	陳緯	張裕煦	王彥士	李政怡	Shohei Tashiro
14:50-15:00	綜合討論	應用化學研究論文獎 - 傑出獎短講	綜合討論	藥物化學研究論文獎 - 傑出獎短講	綜合討論	永光綠色化學研究論文獎	綜合討論	綜合討論	李紹齊 Jessica Macdougall
15:00-15:15	中場休息 Coffee Break								
15:15-16:15	閉幕及頒獎典禮 (Closing and Award Ceremony) - B1 國際會議廳 -								【場次 B 】主持人 梁健夫 Teppei Yamada 林寬鋸 Asuka Namai 林佳慧 Kunyi Leng
16:15-17:15									盧臆中 Olaf Stefanczyk

Plenary Sessions

大會主演講 I Plenary I

Prof. Keiji Maruoka

Department of Chemistry, Kyoto University

Topic: Practical Synthesis of Valuable Amino Acids and Peptides For New Drug Discovery
Date: March 07, 2026 (Sat.)
Time: 10:00-10:45
Room: B1 Floor, 國際會議廳 International Conference Hall
Chair: 詹益慈教授 Prof. Yi-Tsu Chan

BRIEF RESUME

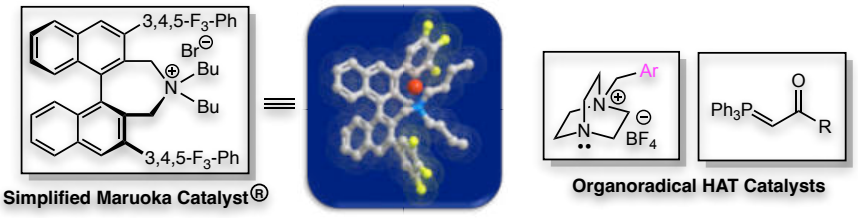
Keiji Maruoka graduated from Kyoto University (1976) and received his Ph.D. (1980) from University of Hawaii. He became an assistant professor of Nagoya University (1980) and promoted to an associate professor (1990) there. He moved to Hokkaido University as a full professor (1995-2001), and then was a professor of chemistry in the Graduate School of Science in Kyoto University (2000-2019). After formal retirement, he is now a specially-appointed professor in the Graduate School of Pharmaceutical Sciences in Kyoto University since 2019. He is also a chair professor of Guangdong University of Technology, China. Recently, he was awarded the Chemical Society of Japan Award (2007), the Molecular Chirality Award (2007), Novartis Lectureship Award (2007/2008), Chunichi Cultural Prize (2010), Arthur C. Cope Scholar Awards (2011), Medal of Honor with Purple Ribbon (2011), Humboldt Research Award (2011), Torey Science & Technology Award (2012), Noyori Prize (2016), The Japan Academy Prize (2018), Fujiwara Award (2022), and 2023 Ryoji Noyori ACES award. He is a chief editor of Chem. Rec., a co-chair and editor of Asian JOC, and is a member of several international advisory editorial boards. He also serves as the President of the Chemical Society of Japan.

Practical Synthesis of Valuable Amino Acids and Peptides For New Drug Discovery

Keiji Maruoka
Graduate School of Pharmaceutical Sciences, Kyoto University
Kyoto 606-8501, Japan

The design of new catalysts and new organic transformations in an environmentally-benign manner is increasingly important in recent years for the construction of new and useful chiral molecules from simple organic compounds. In this context, organocatalysis has recently emerged as a field of research providing practical alternative or complementary technologies to the more traditional transition metal catalyzed systems. Accordingly, we have rationally designed, environmentally-benign chiral organocatalysts, and some of them are found to be quite useful for the development of environmentally-benign asymmetric organic transformations under mild conditions. Here, the key issue of achieving high reactivity and selectivity in organocatalyzed asymmetric transformations is to incorporate a privileged structure in a rational manner on the design of high-performance organocatalysts.

Our first successful example is the rational design of super-active “Maruoka Catalyst®” and “Simplified Maruoka Catalyst®” for the highly efficient production of artificial amino acids as new pharmaceutical intermediates. With various types of artificial amino acids by our practical approach at hand, we are ready to develop the facile synthesis of wide variety of oligopeptides. In addition, subsequent selective functionalization of such oligopeptides would be useful for the facile synthesis of pharmaceutically important oligopeptide derivatives. In order to realize such late-stage functionalization of oligopeptides, we focused our attention on the development of the radical chemistry by designing various types of new HAT organocatalysts. The detail on the design of such new HAT organocatalysts in addition to the synthetic applications for chemo- and site-selective carbon-carbon bond formation will be presented in my lecture.



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大會主演講 II Plenary II

Prof. Wen-Feng Liaw

National Chung Hsing University

廖文峯教授 國立清華大學化學系

Topic: Research Journey from Dinitrosyl Iron Complexes (DNICs) toward Electrocatalytic Water Splitting
Date: March 07, 2026 (Sat.)
Time: 11:00-11:45
Room: B1 Floor, 國際會議廳 International Conference Hall
Chair: 李位仁教授 Prof. Way-Zen Lee

BRIEF RESUME

BA, National Chung-Hsing University (1981); Ph.D., Texas A&M University (1989); Associate Research Fellow, Taiwan Institute of Education (1989-1991); Associate Professor, National Changhua University of Education (1991-1994): Professor, National Changhua University of Education (1994-2002); Head, Department of Chemistry, National Changhua University of Education (1999-2002). Professor, National Tsing Hua University (2002-); Tsing Hua Distinguished Professor (2007- 2018); Tsing Hua Chair Professor (2019-); Director General, Department of Natural Sciences, National Science Council (2009-2012); Head, Department of Chemistry, National Tsing Hua University (2012-2015). The outstanding research award of National Science Council (2004). The outstanding research scholar of National Science Council (2008). The College of Science Academy of Distinguished Former Students (Texas A&M University (2013)). Distinguished Former Students (National Chung Hsing University (27th)). The Academic Award of Ministry of Education (62th (2018)).

Research Journey from Dinitrosyl Iron Complexes (DNICs) toward Electrocatalytic Water Splitting

Wen-Feng Liaw (廖文峯)
Department of Chemistry, National Tsing Hua University, Hsinchu, Taiwan
E-mail: wfliaw@mx.nthu.edu.tw

To the echo of the previous research journey on [Fe]-/[NiFe]-hydrogenase, for the past 25 years, the research subjects in my research group moved toward the model and functional study of dinitrosyl iron complexes (DNICs), the nature-evolved NO-bound species for NO storage/transport derived from nitrosylation of [Fe-S] clusters. DNICs containing the covalent $[Fe(NO)_2]$ motif and non-innocent/labile NO ligands highlight itself as a unique species, worthy of the study between chemistry/biomedical application and the lateral study toward multi-electron electrocatalysis. This talk, similar to the published papers in *Acc. Chem. Res.* (**2015**, *48*, 1184-1193), and Viewpoint article (*Inorg. Chem.* **2018**, *57*, 12425-12443), Forum articles (*Inorg. Chem.* **2021**, *60*, 15846-15873), will discuss the development of DNICs and provide the personalized discussion of developing subject DNICs with intent of inspiring future research efforts, provide insight and critical assessment of recent advances, and discuss future direction.[1-3] As such, more leeway is available to identify what we believe are the important questions in the field of study and explain how our contribution addresses key challenges. The research areas relevant to DNICs are broad yet in each area there are some systematic studies involved.[1-4] Recently, the research work in this Lab also extends to bioinorganic chemistry for energy applications. Specifically, for practical industrial application, the current research work is valuable to move forward to promote efficiency of electrocatalytic water splitting by the designed noble-metal-free-based HER/OER catalysts and to design the sophisticated anion exchange membrane (AEM) electrolyzer.[5-6] The results achieved under closely working with smart and diligent students are impressive and the science is emerging with plenty challenges and room in further development.

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大會主演講 III Plenary III

Prof. Shin-ichi Ohkoshi

Department of Chemistry, University of Tokyo

Topic: Advanced Functionalities of Metal Complexes and Metal Oxides towards Green Transformation
Date: March 08, 2026 (Sun.)
Time: 09:00-09:45
Room: B1 Floor, 國際會議廳 International Conference Hall
Chair: 林寬鋸教授 Prof. Kuan-Jiuh Lin

BRIEF RESUME

Shin-ichi Ohkoshi has been a Professor at the Department of Chemistry, School of Science, the University of Tokyo since 2006. He currently serves as Dean of the School of Science and Special Advisor to the President of the University of Tokyo. In addition, he is a Project Officer of the SPRING GX program (JST), Program Director of ASEAN–Japan NEXUS (JST), Director of the CNRS International Research Laboratory DYNACOM, Honorary Professor at the University of Manchester, and Honorary Member of Magdalen College, University of Oxford. His major awards include the Japan Society for the Promotion of Science (JSPS) Prize (2008), the Japan Academy Medal (2008), the Chemical Society of Japan Award (2019), the Humboldt Research Award (2020), and the Yamazaki Teiichi Prize (2024). His research interests focus on functional phase-transition materials based on metal complexes and metal oxides. He has synthesized various novel metal complexes based on cyanide-bridged metal assemblies such as RbMn[Fe(CN)6], and has reported various functionalities such as light-induced magnetization, high proton conduction, humidity-induced magnetization, giant barocaloric effect, and has also discovered novel metal oxides such as ε-Fe2O3 and λ-Ti3O5.

Advanced Functionalities of Metal Complexes and Metal Oxides towards Green Transformation

Shin-ichi Ohkoshi*
The University of Tokyo, School of Science, Department of Chemistry, 7-3-1 Hongo, Bunkyo-ku, Tokyo, 113-0033, Japan

Phase-transition-based functional materials offer powerful routes to control physical properties using external stimuli such as light and pressure. Cyanide-bridged metal complexes represent an excellent platform for such materials. We have reported various functionalities of cyanide-bridged metal assemblies such as Prussian blue analogs (PBA), e.g. light-induced long-range magnetic ordering, high proton conduction, ferroelectricity-ferromagnetism, humidity-induced magnetization, light-induced spin-crossover magnetic phenomena, and photoswitching of magnetization-induced second harmonic generation[1–3]. Based on this experience, we also have developed novel metal oxides, such as lambda-trititanium pentoxide (λ-Ti_3O_5) and epsilon-iron oxide (ε-Fe_2O_3), which exhibit photo-induced metal–semiconductor phase transitions and unique high-frequency electromagnetic responses[4–9]. In this presentation, I will introduce our recent advances in cyanide-bridged metal complexes and metal oxides, focusing on pressure- and light-induced phase transitions, ultrafast charge-transfer dynamics, and their potential for green transformation applications.

Photomagnetism and 90° optical swiching of SHG light on spin-crossober metal complexes: We have developed several octacyanide-bridged bimetallic assemblies showing photomagnetization. Among them, $Fe_2[Nb(CN)_8](4\text{-pyridinealdoxime})_8{\cdot}2H_2O$ is the first example showing a photoreversible light-induced spin-crossover phenomenon. Furthermore, we have synthesized a chiral photomagnet, $Fe_2[Nb(CN)_8](4\text{-bromopyridine})_8{\cdot}2H_2O$. By alternatively irradiating with blue and red lights, spontaneous magnetization was reversibly switched. As a second harmonic generation (SHG) nonlinear optical effect, we observed 90° switching of the polarization plane of the output SH light by changing the state of the magnet with 473-nm and 785-nm light.

Superionic conducting polar crystal exhibiting photo-switching effect: We synthesized a material that uniquely combines superionic conductivity with a polar crystal structure at room temperature. The compound $Cs_{1.1}Fe_{0.95}[Mo(CN)_5(NO)]{\cdot}4H_2O$, consists of a 3D network structure of –Fe–N≡C–Mo– hosting Cs^+ ions, generating spontaneous electric polarization and SHG. This material exhibits high ionic conductivity (from 1×10^{-3} S cm^{-1} to 6×10^{-5} S cm^{-1} at 318 K), which can be reversibly modulated by light irradiation. Under 532 nm light, the ionic conductivity markedly

decreases and recovers after irradiation is stopped, demonstrating an optically switchable superionic conductor.

Pressure-induced phase transition and barocaloric effect on cyanide-bridged metal complex: We prepared a rubidium cyanide-bridged manganese–iron–cobalt ternary metal complex ($RbMn\{[Fe(CN)_6]_{0.92}[Co(CN)_6]_{0.08}\}\cdot 0.3H_2O$), one of PBAs, showing a charge-transfer phase transition with thermal hysteresis. The phase transition from the high-temperature phase to the low-temperature phase also occurs upon application of pressure, and the complex exhibits a giant barocaloric effect with adiabatic temperature changes of 74 K at 340 MPa and 85 K at 560 MPa. In addition, the temperature change was directly observed to be +44 K upon pressure application and −31 K upon pressure release. The heating and cooling effects were repeatedly observed over 100 cycles.

Photomagnetism and dynamics of CTIST observed by ultrafast spectroscopy: We investigated the photoinduced charge-transfer induced spin transition (CTIST) process in two-dimensional cyano-bridged cobalt-tungstate assemblies. Optical and magnetic studies revealed that the photoexcitation of the ground low-temperature (LT) $Co^{III}{}_{LS}$-W^{IV} state leads to a photoinduced phase transition towards the $Co^{II}{}_{HS}$-W^{V} state, which is similar to the high temperature (HT) state. Ultrafast spectroscopy further indicates that this optical excitation of the intermetallic W-to-Co charge-transfer band produces a transient photoexcited (PE) $Co^{II}{}_{LS}$-W^{V} state, which decays within 130 fs through a spin transition towards the $Co^{II}{}_{HS}$-W^{V} state. The CTIST dynamics corresponds to the $Co^{III}{}_{LS}$-W_{IV} (LT) → $Co^{II}{}_{LS}$-W^{V} (PE) → $Co^{II}{}_{HS}$-W^{V} (HT) sequence. The present work sheds new light on understanding optical dynamics underlying the photoinduced phase transitions.

Light- and pressure- induced metal-semiconductor phase transition in λ-Ti_3O_5: We have been studying the synthesis of novel magnetic oxides by chemical approaches and have succeeded in synthesizing a novel phase of titanium oxide, λ-Ti_3O_5. Furthermore, a reversible phase transition between λ-Ti_3O_5 (metallic conductor) and β-Ti_3O_5 (semiconductor) was observed at room temperature by light irradiation. The phase transition can also be induced by other external stimuli such as pressure. We found that, accompanying the pressure-induced phase transition from λ-Ti_3O_5 to β-Ti_3O_5, heat release occurs. By heating, β-Ti_3O_5 returns to the original λ-Ti_3O_5 through the heat-induced phase transition from β-Ti_3O_5 and λ-Ti_3O_5, accompanied by heat energy accumulation. The accumulated heat energy can be stored for a prolonged time, and the heat energy can be released on demand by applying pressure. Therefore, this material can be used as a “long-term heat storage ceramic,” which represents a new category of heat storage materials and can contribute to the reuse of unused waste heat.

Synthesis of hard magnetic ferrite of ε-Fe_2O_3 and investigation of functionalities arise from its large magnetic anisotropy: We also have succeeded in synthesizing a single phase of ε-Fe_2O_3 for the first time and found that ε-Fe_2O_3 exhibits a large coercive field (H_c) over 20 kilo-oersted (kOe) at room temperature, which is the largest H_c value among magnetic oxides. Furthermore, by metal substitution, a gigantic H_c value of 35 kOe was achieved. These H_c values are comparable to those of rare-earth

magnets. Due to such a large magnetic anisotropy, ε-Fe_2O_3 can be reduced to a single nanometer size of less than 10 nm while maintaining its magnetic order, and we discovered that it is the world's smallest hard ferrite magnet at 7.5 nm. Furthermore, we discovered that ε-Fe_2O_3 can effectively and frequency-selectively absorb millimeter waves, which reach the highest frequency of all magnetic materials. We are also promoting research into applications of these properties, such as magnetic recording media and millimeter wave absorption materials.

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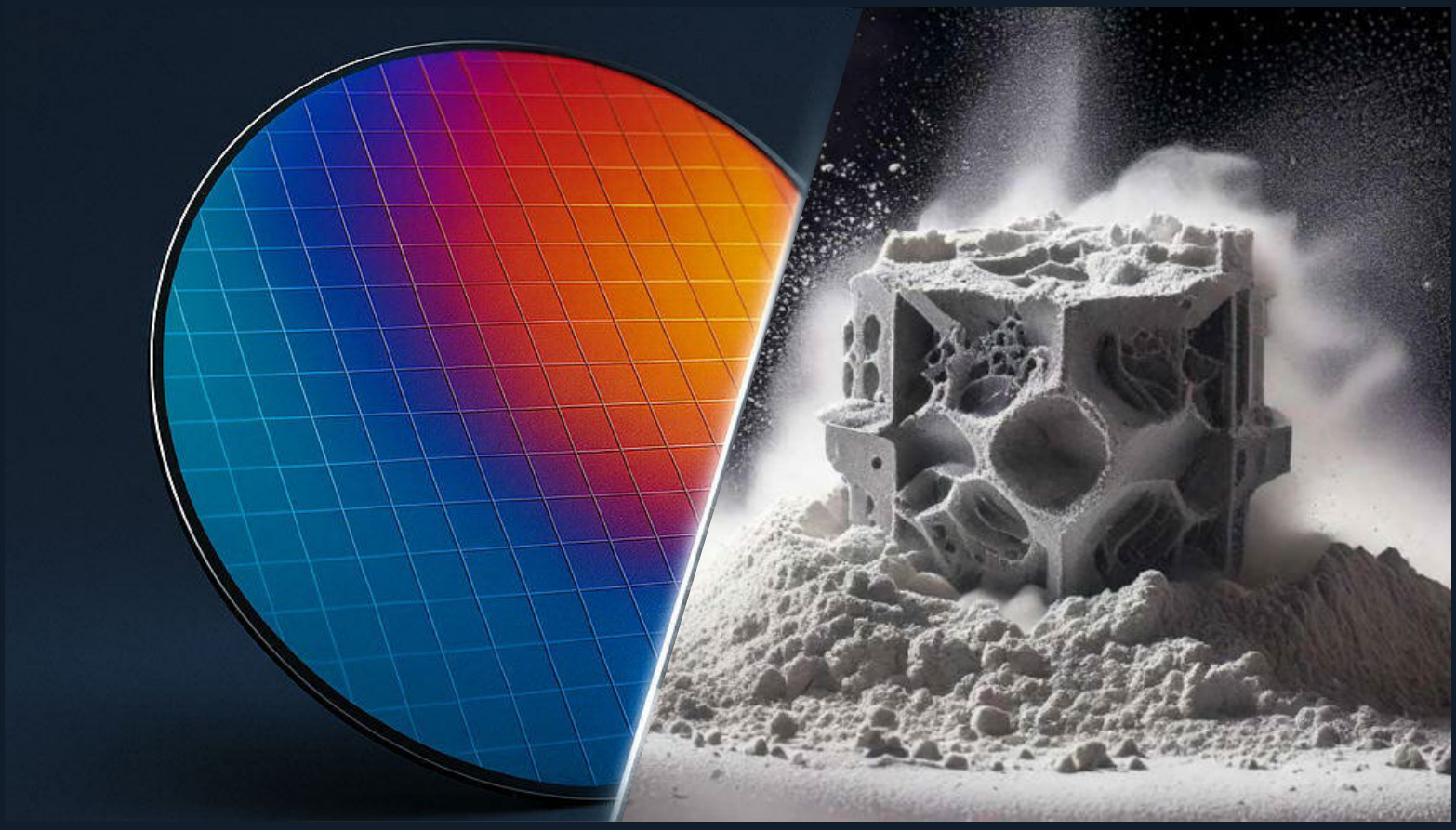

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Daily Program

Saturday, March 7, 2026 社管大樓

開幕式暨頒獎典禮 Opening Ceremony & Award Ceremony

09:00-10:00 / B1 Floor, 國際會議廳 International Conference Hall

大會演講 I (Plenary Lecture I)

10:00-10:45 / B1 Floor, 國際會議廳 International Conference Hall

Chair:	詹益慈 Yi-Tsu Chan / 國立臺灣大學
10:00-10:45	Practical Synthesis of Valuable Amino Acids and Peptides for New Drug Discovery Keiji Maruoka / Kyoto University

大會演講 II (Plenary Lecture II) - 化學學術獎章暨中技社化學學術獎

11:00-11:45 / B1 Floor, 國際會議廳 International Conference Hall

Chair:	李位仁 Way-Zen Lee / 國立臺灣師範大學
11:00-11:45	Research Journey from Dinitrosyl Iron Complexes (DNICs) toward Electrocatalytic Water Splitting 廖文峯 Wen-Feng Liaw / 國立清華大學

國科會化學學門規劃說明 NSTC-Chemistry Information Session

11:45-12:00 / B1 Floor, 國際會議廳 International Conference Hall

女科學家午餐交流 Exchange Session for Women Scientists

本議程由社團法人台灣女科技人學會贊助

12:00-13:00 / 2nd Floor, SC229

Chair:	葉怡均 Yi-Chun Yeh / 國立臺灣師範大學
12:00-12:20	From Basic Science to Drug Discovery: A Personal Journey 伍素瑩 Su-Ying Wu / 國家衛生研究院
12:20-12:40	化學專業人才在製藥產業的機會 張俐巧 Li-Chiao Chang / 台灣神隆股份有限公司
12:40-13:00	綜合討論 (Discussion)

【台積電】技術應用暨徵才講座 TSMC Technical & Career Talk

12:00-12:50 / 1st Floor, SC121

12:00-12:40	陳世明 S. M. Chen / 台積電十五 B 廠 部經理
12:40-12:50	陳昕哲 Sam / 台積電

【新應材】企業簡介、研發產品介紹及公司福利說明與徵才
AEMC Company Overview, Products, and Career Talk

12:00-12:50 / 1st Floor, SC103

12:00-12:50	張哲瑋 / 新應材股份有限公司 副總 施春慈 / 新應材股份有限公司 人資資深處長

分組 1 先進分子影像光譜技術之開發與應用
Advanced Molecular Imaging Spectroscopy: Development and Applications

13:00-14:30 / 1st Floor, SC120

Chair:		范秀芳 Hsiu-Fang Fan / 國立中山大學
O1-1	13:00-13:20	Circularly Polarized Luminescence via Quasi-Bound States in the Continuum in Chiral Silicon Metasurfaces 魏佑臣 Yu-Chen Wei / 國立清華大學
O1-2	13:20-13:40	Imaging and Manipulation of Phase-separated Lipid Bilayers by Scanning Near-field Optical Microscopy 陳祺 Chi Chen / 中央研究院
O1-3	13:40-14:00	Developing the Phantoms and Contrast Agents for Chemical Exchange Saturation Transfer Imaging 林群欽 Eugene C. Lin / 國立中正大學
O1-4	14:00-14:20	Plug and Play in Membrane Systems: A Novel Nanodisc-based Strategy for YetJ and D2R Reconstitution 林竣偉 Chun-Wei Lin / 國立清華大學
	14:20-14:30	綜合討論 (Discussion)

分組 2 巨分子組裝精準調控 & 奈米生物界面 Precision Control of Macromolecular Assembly & Nano–Bio Interfaces

13:00-14:30 / 1st Floor, SC121

Chairs:		詹迺立 Nei-Li Chan / 國立臺灣大學醫學院 黃郁棻 Yu-Fen Huang / 國立清華大學
O2-1	13:00-13:20	Precision Control of Macromolecular Assembly in Human Transcription by the Mediator Kinase Module 陳星甫 Shin-Fu Chen / 長庚大學
O2-2	13:20-13:40	Molecular Mechanisms of Thiazide Diuretics: From Structural Biology to Precision Medicine 李建霖 Chien-Ling Lee / 國立臺灣大學醫學院
O2-3	13:40-14:00	Assembly-state Licensing of Biological Competence: From Endotoxin Nanovesicles to Protein Condensates 林淑宜 Shu-Yi Lin / 國家衛生研究院
O2-4	14:00-14:20	Structural Basis for Recruitment of the Peptidoglycan Endopeptidase MepS by the Lipoprotein NlpI 曾秀如 Shiou-Ru Tzeng / 國立臺灣大學醫學院
	14:20-14:30	綜合討論 (Discussion)

分組 3 能源材料及光譜化學 Energy Materials and Spectrochemistry

13:00-14:30 / 1st Floor, SC103

Chair:		王迪彥 Di-Yan Wang / 國立臺灣師範大學
O3-1	13:00-13:20	Tailoring Sub-Nanometer Tungsten Oxide Clusters for Photocatalytic and Chromic Applications 高琨哲 Kun-Che Kao / 國立彰化師範大學
O3-2	13:20-13:40	Unraveling Charge Carrier Dynamics in Energy Materials by Time-Resolved Spectroscopy 蒲盈志 Ying-Chih Pu / 國立臺南大學
O3-3	13:40-14:00	Model Thiophene-Decorated Nickel Porphyrins for Tandem CO_2 Reduction 洪崧富 Sung-Fu Hung / 國立陽明交通大學
O3-4	14:00-14:20	Metal-metal Oxide Interface for CO_2 Hydrogenation: Synthesis and Quantitative Analysis of Active Phase 杜遠朋 Yuan-Peng Du / 國立中央大學
	14:20-14:30	【永光綠色化學研究論文獎】 In Situ Identification of Spin Magnetic Effect on Oxygen Evolution Reaction Unveiled by X-ray Emission Spectroscopy 黃智盈 Chih-Ying Huang / 國立臺灣大學

分組 4 孔洞 & 配位 Porous Materials & Coordination Chemistry

13:00-14:30 / 1st Floor, SC123

Chair:		劉學儒 Hsueh-Ju Liu / 國立陽明交通大學
O4-1	13:00-13:20	Exploring Metal Cluster Architectures in Magnetic/Luminescent Lanthanide Complexes 林柏亨 Po-Heng Lin / 國立中興大學
O4-2	13:20-13:40	Multiple Fluorescence Sensing and Dye Degradation Functions of Coordination Polymers 吳景雲 Jing-Yun Wu / 國立暨南國際大學
O4-3	13:40-14:00	Low-Coordinate Alkyl Complexes of Chromium 林峻毅 Chun-Yi Lin / 國立成功大學
O4-4	14:00-14:20	Power of Large Mesopores in Metal–organic Frameworks: Towards Electrochemical Energy Storage and Electrocatalysis 龔仲偉 Chung-Wei Kung / 國立成功大學
	14:20-14:30	綜合討論 (Discussion)

分組 5 台日韓理論計算研討會 I【English Session】 Trilateral Symposium on Theoretical and Computational Chemistry I

13:00-14:30 / 2nd Floor, SC229

Chair:		鄭原忠 Yuan-Chung Cheng / 國立臺灣大學
O5-1	13:00-13:30	Importance and Unimportance of Anharmonicity in Vibronic Coupling with Excitation Energy Transfers in the LH2 Complex Young Min Rhee / KAIST
O5-2	13:30-14:00	Quantum Chemical Approaches to Magnetic Properties of Open-shell Systems Yasutaka Kitagawa / Osaka University
O5-3	14:00-14:30	Theoretical Investigations for the Enhancement of Photocatalytic Activity by Two-dimensional Heterostructures for Photocatalytic Water Splitting Reaction 葉丞豪 Chen-Hao Yeh / 逢甲大學

分組 6 The 6th CST- CSJ Joint Symposium I【English Session】
Precision Chemistry for a Sustainable Future: Carbon Neutrality, AI, and Healthcare

13:00-14:40 / 2nd Floor, SC228

Chair:		Mitsuo Sawamoto / Kyoto University
O6-1	13:00-13:20	Asymmetric Organocatalysis for Sustainable Chemistry Keiji Maruoka / Kyoto University
O6-2	13:20-13:40	Optically Distinguishable Spin States of a Stable Organic Diradical Kenji Matsuda / Kyoto University
O6-3	13:40-14:00	Molecular Design of Diboron Emitters: Structural and Excited-state Control toward Ultralong Emission 吳典霖 Tien-Lin Wu / 國立清華大學
O6-4	14:00-14:20	Helical Organic Ligand Engineering for the Enhancement of Luminescence in Rare Earth Complexes Miki Hasegawa / Aoyama Gakuin University
O6-5	14:20-14:40	Coupling Crystallization Dynamics and Interfacial Charge Physics in Mixed Sn–Pb Perovskite Solar Cells 林玠廷 Chieh-Ting Lin / 國立中興大學

分組 7 同步輻射光源在軟物質與生物領域的應用 I
Applications of Synchrotron Radiation Light Source in Soft Matter and Biology I

13:00-14:30 / 1st Floor, SC101

13:00-13:05		Opening Remarks 魏德新 副主任 / 國家同步輻射研究中心
Chair:		施怡之 Orion Shih / 國家同步輻射研究中心
O7-1	13:05-13:25	Multifunctional Roles of an Intrinsically Disordered Tail in HMGB2 Autoinhibition, Substrate Selectivity, Conformational Plasticity, and Cooperative Nuclease Regulation 蕭育源 Yu-Yuan Hsiao / 國立陽明交通大學
O7-2	13:25-13:45	TPS 13A Biological Small-angle X-ray Scattering Beamline at the NSRRC 葉奕琪 Yi-Qi Yeh / 國家同步輻射研究中心
O7-3	13:45-14:05	Atomic and Interfacial Modulation of Dendritic Metal Catalysts for High-Efficiency Electrocatalysis 賴英煌 Ying-Huang Lai / 東海大學
O7-4	14:05-14:25	Synchrotron-Based Infrared Microspectroscopy in Biomedical Diagnostics 李耀昌 Yao-Chang Lee / 國家同步輻射研究中心
	14:25-14:30	綜合討論 (Discussion)

分組 8 綠色永續化學 x 永續發展目標的實踐【綠色化學論壇】
Green Sustainable Chemistry x The Practice of Sustainable Development Goals

13:00-14:30 / 2nd Floor, SC226

Chair:		凌永健 Yung-Chien Ling / 國立清華大學
O8-1	13:00-13:10	綠色永續化學的實踐：從實驗室到永續發展目標 陳銘賜 Ming-Tsz Chen / 靜宜大學
O8-2	13:10-13:20	Green Sample Preparation Approaches for Trace Contaminant Determination in Environmental and Biological Samples 陳鑫昌 Hsin-Chang Chen / 國立嘉義大學
O8-3	13:20-13:30	Low-carbon and Circular Water Treatment for Sustainable Net-zero Carbon Emission 張婷婷 Ting-Ting Chang / 工業技術研究院
O8-4	13:30-13:40	Transforming Chemistry into Sustainable Solutions: A GSC–SDG Framework for Education and Practice 楊悠娟 Yu-Chuan Yang / 國立東華大學
O8-5	13:40-13:50	Greener Analytics for Public Health Intelligence: Wastewater-Based Monitoring of Drugs and Emerging Psychoactive Substances 陳珮珊 Pai-Shan Chen / 臺灣大學醫學院
O8-6	13:50-14:00	興大附中在綠色化學與永續發展的耕耘與精進 陸原 Lu Yuan & 游宗憲 Yu Tsung Hsien / 國立中興大學附屬高級中學
	14:00-14:30	綜合討論 (Discussion)

分組 9 普化該教什麼？【教育論壇】
What Should Be Taught in General Chemistry?

本教育論壇由台明將企業股份有限公司臺灣玻璃館贊助

13:00-14:30 / 2nd Floor, SC227

Chair:		張一知 I-Jy Chang / 國立臺灣師範大學
O9-1	13:00-13:15	那些普通化學教我的事 Lessons from General Chemistry 林哲仁 Che-Jen Lin / 國立清華大學
O9-2	13:15-13:30	普化該教什麼？ What Should Be Taught in General Chemistry? 蔡蘊明 Yeun-Min Tsai / 國立臺灣大學
O9-3	13:30-13:45	從知識學習到能力奠基：談新世代的普化教學核心架構 于淑君 Joyce Shuchun Yu / 國立中正大學
O9-4	13:45-14:00	Rethinking University General Chemistry from the Perspective of Incoming Freshmen's Competencies 曹雅萍 Yaping Tsao / 臺北市立中山女子高級中學
	14:00-14:30	綜合討論 (Discussion)

分組 10 Young Chemist Session I
Organic Chemistry and Physical Chemistry

13:00-14:30 / 2nd Floor, SC204

Chair:		游景晴 Ching-Ching Yu / 國立清華大學
O10-1	13:00-13:15	Accessing Underexplored Polymer Structures via Kinetic-based Design of Polymerization 吳俊緯 Jiun-Wei (Alec) Wu / Northwestern University
O10-2	13:15-13:30	Solvent-Programmed Helical Gelation and Dynamic Imine Folding from Discotic Amphiphiles Reguram Arumugaperumal / 國立臺灣大學
O10-3	13:30-13:45	The Total Syntheses of Palhinines and Cumbiasins 陳致銘 Chih-Ming Chen / 國家衛生研究院
O10-4	13:45-14:00	Green and Sustainable Yne-ynamide Skeletal Rearrangement Strategies for Bioactive Indole Scaffolds Mohana Reddy Mutra / 高雄醫學大學
O10-5	14:00-14:15	Technology-driven Selective Amide Bond Cleavage Karthick Govindan / 高雄醫學大學
O10-6	14:15-14:30	Operando X-ray Absorption Spectroscopy for Electrochemical Energy Systems 陳琮宜 Tsung-Yi Chen / 國家同步輻射研究中心

台灣化學學會 會員代表大會 (CST Meeting of Member Representatives)

14:45-15:30 / 2nd Floor, SC201

分組 11 先進分析技術於生物醫學之研究
Advanced Analytical Techniques in Biomedical Research

16:00-17:30 / 1st Floor, SC120

Chairs:		陳朝榮 Chao-Jung Chen / 中國醫藥大學 涂熊林 Hsiung-Lin Tu / 中央研究院
O11-1	16:00-16:20	Advanced LC–MS/MS Strategies for the Quantification of Therapeutic Monoclonal Antibodies Using Microsampling Devices in Clinical Samples 邱懷萱 Huai-Hsuan Chiu / 臺灣大學醫學院附設醫院
O11-2	16:20-16:40	A Fluorescent Biosensing Platform for Sensitive Detection of Beta- amyloid Oligomers in Alzheimer's Disease 陳彥伶 Yen-Ling Chen / 國立中正大學
O11-3	16:40-17:00	Precision at the Molecular Scale: How the Mass Spectrometry Advances GPCR Drug Discovery 嚴欣勇 Hsin-Yung Yen / 中央研究院
O11-4	17:00-17:20	An Engineered crRNA-Integrated CRISPR-cas12a Analytical Platform for Cancer Screening and Carbapenem-resistant Gene Monitoring 莊旻傑 Min-Chieh Chuang / 東海大學
	17:20-17:30	綜合討論 (Discussion)

分組 12 合成及生物有機化學 Synthetic and Bio-organic Chemistry

16:00-17:30 / 1st Floor, SC121

Chair:		許岱欣 Day-Shin Hsu / 國立中正大學
O12-1	16:00-16:30	Exploration of Metalloenzymes in the Preparation of Natural Products: Mechanistic Insights and Biocatalytic Applications【English】 張瑋成 Wei-chen Chang / North Carolina State University
O12-2	16:30-16:50	From Enzyme Mechanism to Biomimetic Synthesis: Reactivity Control in Natural Product Assembly 陳榮傑 Rong-Jie Chein / 中央研究院
O12-3	16:50-17:10	Synthesis of Probes for Understanding the Assembly and Function of Microbial Glycans【English】 呂桐睿 Todd L. Lowary / 中央研究院
O12-4	17:10-17:30	A Practical Synthesis of Nitrone-derived C5a-functionalized Isofagomines as Protein Stabilizers to Treat Gaucher Disease 李皇毅 Huang-Yi Li / 東海大學

分組 13 有機光電材料 Organic Optoelectronic Materials

16:00-17:30 / 1st Floor, SC103

Chair:		汪根欉 Ken-Tsung Wong / 國立臺灣大學
O13-1	16:00-16:20	Interfacial Engineering Using C-3 Alkyl Linker-Based Carbazole-Derived SAMs and Polyarene-Based Hole-Selective Layers to Achieve ~42% Indoor Efficiency in PSCs 張源杰 Yuan Jay Chang / 東海大學
O13-2	16:20-16:40	Pyrene-based Triplet-triplet Annihilation Hosts with Enhanced Horizontal Orientation for Organic Light-emitting Diodes 李怡葶 Yi-Ting Lee / 東吳大學
O13-3	16:40-17:00	Hole-transporting Materials and Self-assembled Hole-selective Contacts for Perovskite Solar Cells and Tandem Devices 林彥多 Yan-Duo Lin / 東吳大學
O13-4	17:00-17:20	Self-assembled Monolayers (SAMs) as Hole Transporting Materials (HTMs) Development for Perovskite Solar Cells (PSC) 陳銘洲 Ming-Chou Chen / 國立中央大學
	17:20-17:30	綜合討論 (Discussion)

分組 14 能源 & 淨零 & 催化 Energy, Net Zero, and Catalysis

16:00-17:30 / 1st Floor, SC123

Chair:		陳軍互 Chun-Hu Chen / 國立中山大學
O14-1	16:00-16:20	Catalysis by Metallic Core-shell Nanocrystals: From Nanocube to Chiral Helicoids 郭俊宏 Chun-Hong Kuo / 國立陽明交通大學
O14-2	16:20-16:40	Efficient Catalytic Electrochemical CO_2 Reduction Reactions to HCOO $^-$ /HCOOH over Porous BiOCl Materials 俞聖法 Steve S.-F. Yu / 中央研究院
O14-3	16:40-17:00	Catalytic Copolymerization of Alicyclic Epoxides with Carbon Dioxide by Bimetallic Nickel Complexes 柯寶燦 Bao-Tsan Ko / 國立中興大學
O14-4	17:00-17:20	Mechanism Matters: Understanding the Electrocatalytic Reduction of Carbon Dioxide on Copper through Molecular and Electrokinetic Models 王琢堅 Vincent Wang / 國立中山大學
	17:20-17:30	【永光綠色化學研究論文獎】 Upcycling of Waste Aluminum Alloys and Surface Modification Techniques of Anodized Aluminum: Research and Applications 李林叡 Lin-Ruei Lee / 國立陽明交通大學

分組 15 台日韓理論計算研討會 II【English Session】
Trilateral Symposium on Theoretical and Computational Chemistry II

16:00-17:30 / 2nd Floor, SC229

Chair:		林倫年 Michitoshi Hayashi / 國立臺灣大學
O15-1	16:00-16:30	Molecular-level Understanding of Ionic Dynamics in Electrolytes via Molecular Dynamics Simulations Kazushi Fujimoto / Kansai University
O15-2	16:30-17:00	Exploring the Ion Conduction Mechanism of Glass Solid-state Electrolytes Bong June Sung / Sogang University
O15-3	17:00-17:30	DFT Study on Cobalt-mediated Fenton-like Reactions 陳信允 Hsing-Yin Chen / 高雄醫學大學

分組 16 The 6th CST- CSJ Joint Symposium II【English Session】
Precision Chemistry for a Sustainable Future: Carbon Neutrality, AI, and Healthcare

15:40-17:40 / 2nd Floor, SC228

Chair:		蔡易州 Yi-Chou Tsai / 國立清華大學
O16-1	15:40-16:00	Innovative Chromophore Platforms for Photon Upconversion and Quantum Technologies Nobuhiro Yanai / University of Tokyo
O16-2	16:00-16:20	Speciation-driven Separation of Critical Materials 黃聖尹 Sheng-Yin Dima Huang / 國立成功大學
O16-3	16:20-16:40	Theoretical and Data-driven Approaches to Lanthanide Photofunctional Materials Miho Hatanaka / Keio University
O16-4	16:40-17:00	When It's not Really About Chemical Interactions: On the Gas-separation Mechanism in UTSA-280 邱政超 Cheng-Chau Chiu / 國立中山大學
O16-5	17:00-17:20	Antibody-like Proteins for D-protein Therapeutics Hiroshi Murakami / Nagoya University
O16-6	17:20-17:40	Chemoenzymatic Manipulation of the Lasso Peptide Microcin J25 朱忠瀚 John Chu / 國立臺灣大學

分組 17 同步輻射光源在軟物質與生物領域的應用 I I
Applications of Synchrotron Radiation Light Source in Soft Matter and Biology I I

16:00-17:30 / 1st Floor, SC101

Chair:		王嘉興 Chia-Hsin Wang / 國家同步輻射研究中心
O17-1	16:00-16:20	Cryo-Soft X-ray Tomography for Yeast Mitochondria Analysis 張壯榮 Chuang-Rung Chang / 國立清華大學
O17-2	16:20-16:40	Nanoimging Cells Using Cryo Soft X-Ray Tomogrpahy 林子敬 Zi-Jing Lin / 國家同步輻射研究中心
O17-3	16:40-17:00	Structure–Property–Function Design of Photo-Responsive Injectable Hydrogels for Vascularized Regenerative Tissues 陳盈潔 Ying-Chieh Chen / 國立清華大學
O17-4	17:00-17:20	Applications of High Energy X-ray Microscopy to Soft Matter and Biology 宋艷芳 Yen-Fang Song / 國家同步輻射研究中心
	17:20-17:25	綜合討論 (Discussion)
	17:25-17:30	Closing Remarks 王嘉興 Chia-Hsin Wang / 國家同步輻射研究中心

分組 18 能源轉換與儲能【產學論壇】
Energy Conversion and Storage

本產學論壇由新光鋼鐵股份有限公司贊助

16:00-17:30 / 2nd Floor, SC226

Chair:		王逸萍 Yih Ping Wang / 台灣中油股份有限公司
O18-1	16:00-16:15	Aqueous Organic Redox Flow Batteries 李志聰 Jyh-Tsung Lee / 國立中山大學
O18-2	16:15-16:30	Development Trends of Long-duration Energy Storage Technologies and Applications 吳錦貞 Ching-Chen Wu / 工業技術研究院
O18-3	16:30-16:45	2025-2026 International Electrochemical Energy Storage Products and Technologies Updates 呂學隆 Hsueh-Lung Lu / 工業技術研究院
O18-4	16:45-17:00	From Materials to Operations: CPC's Energy Storage and EMS Deployment for Gas Station Microgrids 張家林 Chia-Lin Chang / 台灣中油股份有限公司
O18-5	17:00-17:15	Energy Conversion and Storage 侯昇平 Sheng-Ping Hou / 長庚國際能源股份有限公司
	17:15-17:30	綜合討論 (Discussion)

分組 19 生成式 AI 的化學教育應用【教育論壇】
Applications of Generative AI in Chemistry Education

本教育論壇由南寶樹脂股份有限公司贊助

16:00-17:30 / 2nd Floor, SC227

Chair:		趙奕姈 Ito Chao / 台灣化學學會
O19-1	16:00-16:15	Beyond Information Retrieval: AI as a Cognitive Catalyst in Chemical Education: From Systematic Assembly to Dialectical Mastery 游靜惠 Chin-Hui Yu / 國立清華大學
O19-2	16:15-16:30	Generative AI in Chemistry Education: Shifting from Knowledge Acquisition to Visible Critical Thinking 劉沂欣 Yi-Hsin Liu / 國立臺灣師範大學
O19-3	16:30-16:45	生成式 AI 輔助行動導向學習於好發地震區域化學安全教育之研究 江政剛 Cheng-Kang Chiang / 國立東華大學
O19-4	16:45-17:00	AI 輔助科學申論題練習工具開發與課堂實作 鄭志鵬 Cheng Chih-Peng / 臺北市立龍山國民中學
	17:00-17:30	綜合討論 (Discussion)

分組 20 Young Chemist Session II
Inorganic Chemistry and Analytical Chemistry

16:00-17:30 / 2nd Floor, SC204

Chair:		曾炳境 Biing-Chiau Tzeng / 國立中正大學
O20-1	16:00-16:15	Precious Metal Recovery and Environmental Pollutant Analysis 王毓傑 Yu-Chieh Wang / 國立中山大學
O20-2	16:15-16:30	From Order Formation to Catalytic Function: MOF Synthesis and Nanozyme Design Kulandaivel Sivasankar / 國立臺灣師範大學
O20-3	16:30-16:45	Structure-Processing-Property Engineering of Polymeric Materials for 3D Printing and Carbon Capture 謝佳旻 Chia-Min Hsieh / 國立清華大學
O20-4	16:45-17:00	From Molecular Dinitrosyl Complexes to Iron-based Materials: NO Reduction, Unit Transformation, and Nitrite Electroreduction 吳汶諺 Wun-Yan Wu / 國立清華大學
O20-5	17:00-17:15	Small-molecule Modulated Affinity-tunable Semisynthetic Protein Switches and Its Application 吳乾齊 Chien-Chi Wu / 國立清華大學
O20-6	17:15-17:30	Silver-rich Superatoms Passivated by Dichalcophosphate Ligands 邱子豪 Tzu-Hao Chiu / 國立東華大學

Sunday, March 8, 2026 社管大樓

大會演講 III (Plenary Lecture III)

09:00-09:45 / B1 Floor, 國際會議廳 International Conference Hall

Chair:	林寬鋸 Kuan-Jiuh Lin / 國立中興大學
09:00-09:45	Advanced Functionalities of Metal Complexes and Metal Oxides Towards Green Transformation Shin-ichi Ohkoshi / University of Tokyo

分組 21 分離科學 Separation Science

11:00-12:30 / 1st Floor, SC120

Chair:		賴建成 Chien-Chen Lai / 國立中興大學
O21-1	11:00-11:20	Hemoglobin Adducts Derived from Acrolein and Crotonaldehyde in Smokers by Nanoflow Liquid Chromatography Tandem Mass Spectrometry 陳皓君 Hauh-Jyun Candy Chen / 國立中正大學
O21-2	11:20-11:40	Development of an Automated Platform for Adsorption Measurement of Complex Organic Gases and Its Application to MOF Adsorption Studies 劉文治 Wen-Tzu Liu / 中原大學
O21-3	11:40-12:00	Rapid Determination of Isoflavones and Other Bioactive Compounds in Soybean Using LC-SWATH-MS and LC-MRM-MS 簡涵如 Han-Ju Chien / 國立嘉義大學
O21-4	12:00-12:20	Strategic Separation and Chemical Enhancement for Expanding the Boundaries of Biomolecule Detection 廖曉偉 Hsiao-Wei Liao / 國立陽明交通大學
	12:20-12:30	分析化學研究論文獎 - 傑出獎短講

分組 22 電化學 Electrochemistry

11:00-12:30 / 2nd Floor, SC229

Chair:		黃景帆 Jing-Fang Huang / 國立中興大學
O22-1	11:00-11:20	Nitrate-reduction Electrocatalysts Prepared by Electrochemical Approaches in Ionic Liquids 陳泊余 Po-Yu Chen / 高雄醫學大學
O22-2	11:20-11:40	Deep Eutectic Solvents-based Molecularly Imprinted Polymers as an Electrochemical Sensor 謝伊婷 Yi-Ting Hsieh / 東吳大學
O22-3	11:40-12:00	Nonpolar Interactions in Electrochemical Interfaces of Carbon Electrodes and Organic Electrolytes 杜宜容 Yi-Jung Tu / 國立暨南國際大學
O22-4	12:00-12:20	Direct Detection of Enzyme Biomarkers in Whole Blood Using Activitybased Ratiometric Electrochemical Probes for Liver Disease Diagnosis, Therapeutic Assessment, and Post-treatment Monitoring 黃聲東 Sheng-Tung Huang / 國立臺北科技大學
	12:20-12:30	綜合討論

分組 23 無機化學基礎原理及合成 Fundamental Principles and Synthesis of Inorganic Chemistry

11:00-12:30 / 2nd Floor, SC228

Chair:		陳喧應 Hsuan-Ying Chen / 高雄醫學大學
O23-1	11:00-11:20	Through-bond Coordination Mediated by a Mo-Mo Quintuple Bond 蔡易州 Yi-Chou Tsai / 國立清華大學
O23-2	11:20-11:40	Modulating σ-donation and π-acceptance in NHC Ligands: Implications for Pd(0)/Pd(II) Catalytic Cycles 李漢文 Hon-Man Lee / 國立彰化師範大學
O23-3	11:40-12:00	Ligand-controlled O–O Bond Cleavage Pathways in Non-heme TPA–Fe(III)–Acylperoxo COMPLEXES 陳炳宇 Peter Ping-Yu Chen / 國立中興大學
O23-4	12:00-12:20	Metal–organic Frameworks as Robust Platforms for Copolymerization and CO_2 Valorization 蔡振彥 Chen-Yen Tsai / 國立中興大學
	12:20-12:30	無機化學研究論文獎 - 傑出獎短講

分組 24 機械有機化學 Mechanoorganic Chemistry

11:00-12:30 / 1st Floor, SC101

Chair:		林韋佑 Wei-Yu Lin / 高雄醫學大學
O24-1	11:00-11:20	Mechanochemical Electrophilic Aromatic Halogenation Facilitated by Ball-milling 杜澄達 To Ching Tat / 東海大學
O24-2	11:20-11:40	Regioselective Alkyne Hydroboration Accelerated by Ball Milling 梁子輝 Tsz-Fai Leung / 國立中山大學
O24-3	11:40-12:00	Development of O-sialylation Method in Mechanochemistry 李珮甄 Pei-Jhen Li / 國立中正大學
O24-4	12:00-12:20	Total Synthesis of (±)-Arnicenone via Stereodivergent Angular Triquinane Syntheses 黃郁文 Yu-Wen Huang / 國立清華大學
	12:20-12:30	有機化學研究論文獎 - 傑出獎短講

分組 25 生物有機化學與應用 Bioorganic Chemistry and Applications

11:00-12:30 / 2nd Floor, SC202

Chair:		王聖凱 Sheng-Kai Wang / 國立清華大學
O25-1	11:00-11:20	On-bead Aspartic and Glutamic Acid Side-chain Modification 高佳麟 Chai-Lin Kao / 高雄醫學大學
O25-2	11:20-11:40	1,2,3-Triazine Chemistry: From Methodology Development to Fluorescent Probe Design 謝俊結 Jiun-Jie Shie / 中央研究院
O25-3	11:40-12:00	Cisd2 Activators: Discovery and Exploration of Their Potential in Nonalcoholic Fatty Liver Disease 李靜琪 Jinq-Chyi Lee / 國家衛生研究院
O25-4	12:00-12:20	Divergent Tandem Strategies for the Synthesis of Bioactive Polyheterocyclic Scaffolds 李文泰 Wen-Tai Li / 衛生福利部國家中醫藥研究所
	12:20-12:30	化學生物研究論文獎 - 傑出獎短講

分組 26 先進低溫電子顯微鏡 Advanced Cryo-electron Microscopy

11:00-12:30 / 2nd Floor, SC201

Chair:		詹益慈 Yi-Tsu Chan / 國立臺灣大學
O26-1	11:00-11:20	Structural Elucidation of Giant Molecular Cages by Cryo-EM 詹益慈 Yi-Tsu Chan / 國立臺灣大學
O26-2	11:20-11:40	From Carbon Fixation to Anti-fungal Development: an ATP Sensitive Phosphoketolase 張瓊文 Mary Chang / 中國醫藥大學
O26-3	11:40-12:00	Exploring Molecular Structures with Cryo-EM: From Sample Conditions to Accessible High-resolution Results 張淵智 Yuan-Chih Chang / 中央研究院
O26-4	12:00-12:20	Structural Basis of KtrAB Activation and the Inhibitory Regulation of Potassium Uptake by c-di-AMP 胡念仁 Nien-Jen Hu / 國立中興大學
	12:20-12:30	物理化學研究論文獎 - 傑出獎短講

分組 27 二氧化碳儲存 & 轉化 CO_2 Storage and Conversion

11:00-12:30 / 2nd Floor, SC226

Chair:		李位仁 Way-Zen Lee / 國立臺灣師範大學
O27-1	11:00-11:20	Catalytic Reductive Conversion of Carbon Dioxide by Iron Complex 江明錫 Ming-Hsi Chiang / 中央研究院
O27-2	11:20-11:40	CO_2 Supply in Electrolysis: Electrode Design and Pressure-enabled Mass Transfer for High-rate Electrochemical CO_2 Reduction 周子勤 Tsu-Chin Chou / 國立清華大學
O27-3	11:40-12:00	PdAg Nanoalloy for Electrocatalytic Reduction of Nitrate to Ammonia 邱宗文 Tzung-Wen Chiou / 東海大學
O27-4	12:00-12:20	From Molecular Complexes to Metal Pyrazolate Frameworks: Unveiling Novel Mechanisms for Direct Air Capture and Transformation of Carbon Dioxide 魯才德 Tsai-Te Lu / 國立清華大學
	12:20-12:30	綜合討論

分組 28 從方程式到分子：數理化學的新契機 From Equations to Molecules: Emerging Opportunities in Mathematical, Physical, and Chemical Sciences

11:00-12:30 / 2nd Floor, SC204

Chair:		郭哲來 Jer-Lai Kuo / 中央研究院
O28-1	11:00-11:30	Statistical Mechanics, Tensor Network, and Renormalization 陳柏中 Po-Chung Chen / 國立清華大學
O28-2	11:30-12:00	Quantum Electrodynamic Chemistry: Chemistry Meets Plasmon Polaritons and Cavity Photons 許良彥 Liang-Yan Hsu / 中央研究院
O28-3	12:00-12:30	Manifold Optimization for Quantum Channel Reconstruction 林敏雄 Min-Hsiung Matthew Lin / 國立成功大學

分組 29 NCHU–UTokyo Special Session I【English Session】
AI-Enabled Precision Drug Discovery and Development

11:00-12:30 / 1st Floor, SC111

11:00-11:10		**Opening Remarks** 莊敦堯 Duen-Yau Chuang / 國立中興大學 Tatsuya Tsukuda / University of Tokyo
Chair:		鍾靈 Ling Jong / 國立中興大學
O29-1	11:10-11:25	**Development of Biomolecules-targeted Binders by Decoding RNA Sequences** Haruo Aikawa / University of Tokyo
O29-2	11:25-11:40	**Advancing CMC Process Development with Precision Chemistry: End-to-end Automated Analytics via MAPPS** 韋佩勛 Brian Wei / Sanofi
O29-3	11:40-11:55	**Diabetes Drug Discovery Using the Drosophila Fat Body** Jorgen Walker Peterson / University of Tokyo
O29-4	11:55-12:10	**Decoupling Global and Local Dynamics to Develop a Trans-acting Ribozyme System** 賴奕丞 Yei-Chen Lai / 國立中興大學
O29-5	12:10-12:25	**Screening Peptide Backbone Suitable for Trigger-responsive Peptidyl Liposome Release** 李賢明 Hsien-Ming Lee / 中央研究院
	12:25-12:30	綜合討論 (Discussion)

生涯精進 Career Development：
AI 驅動專利論文地圖協助掌握創新研發致勝趨勢　　本議程由台耀化學股份有限公司贊助

12:30-13:30 / 2nd Floor, SC229

Chair:	陸大榮 Ta-Jung Lu / 國立中興大學
12:30-13:30	**AI 驅動專利論文地圖協助掌握創新研發致勝趨勢** 劉如熹 Ru-Shi Liu / 國立臺灣大學

【國網中心】不一樣的選擇－國網中心 A Different Path － NCHC

12:30-13:20 / 1st Floor, SC120

12:30-13:20	鄭吉峰

【布魯克】先進技術應用說明會 Bruker Advanced Technology Application Briefing

12:30-13:20 / 1st Floor, SC101

Part 1	**Advanced AFM Application: Nano-electrics, NanoIR, and High-speed Scan** Lin Fan-Yen, Senior Engineer, Applications
Part 2	**布魯克先進的 X 射綫衍射技術最新進展** 資深應用專員 洪金俊博士

分組 30 質譜分析 Mass Spectrometry

13:30-15:00 / 1st Floor, SC120

Chair:		陳頌方 Sung-Fang Chen / 國立臺灣師範大學
O30-1	13:30-13:50	Carbohydrate Structural Determination Using Logically Derived Sequence Tandem Mass Spectrometry 倪其焜 Chi-Kung Ni / 高雄醫學大學
O30-2	13:50-14:10	Differentiating Mycobacterium Tuberculosis from Nontuberculous Mycobacteria with Nanoparticle Platforms and Mass Spectrometry 彭文平 / 國立東華大學
O30-3	14:10-14:30	A Reductive Amination Strategy Combined with Precursor Ion Scanning for the Capture and Identification of Aldehydes 梁世欣 Shih-Shin Liang / 高雄醫學大學
O30-4	14:30-14:50	Glycomic Signature of IgG, IgA, and IgM in Elderly Tuberculosis Patients: Distinguishing Active from Latent Infection 蔡伊琳 I-Lin Tsai / 臺北醫學大學
	14:50-15:00	綜合討論

分組 31 化學感測器與顯影技術 Chemical Sensors, Imaging Techniques

13:30-15:00 / 2nd Floor, SC229

Chair:		陳志欣 Chih-Hsin Chen / 淡江大學
O31-1	13:30-13:50	Fabrication and Gas-sensing Properties of Chemiresistive-type Gas Sensors and Flexible Gas Sensors 蘇平貴 Pi-Guey Su / 東吳大學
O31-2	13:50-14:10	Connecting Surface Morphology with Electrochemical Sensors: The Impact of Structural Design on Nanocomposite Performance 陳生明 Shen-Ming Chen / 國立臺北科技大學
O31-3	14:10-14:30	Triboelectrification at Solid-liquid Interfaces: Surface Chemistry-driven Charge Transfer for Self-powered Nanosensing 林宗宏 Zong-Hong Lin / 國立臺灣大學
O31-4	14:30-14:50	Biodegradable MXene-bamboo Cellulose Paper Electrodes for Green Wearable Sensing and Exoskeleton Control 林子恩 Tzu-En Lin / 國立臺灣大學
	14:50-15:00	應用化學研究論文獎 - 傑出獎短講

分組 32 無機錯鹽：材料中的應用與展望【English Session】
Inorganic Coordination Complexes: Applications and Perspectives in Materials

13:30-15:00 / 2nd Floor, SC228

Chair:		游源祥 Yuan-Hsiang Yu / 天主教輔仁大學
O32-1	13:30-13:50	Carbon Dioxide Sequestration with Well-defined Early Transition Metal Oxides and Its Conversion to Carbonate Using Nitrous Oxide Daniel J. Mindiola / University of Pennsylvania
O32-2	13:50-14:10	Copper Complexes as Promising Mediator for Dye-sensitized Solar Cells 陳卿謹 Ching-Chin Chen / 國立中興大學
O32-3	14:10-14:30	NHC-modified Multimetallic Nanoparticles: Precision Engineering for Emerging Applications 李建宏 Chien-Hung Li / 高雄醫學大學
O32-4	14:30-14:50	Strategies Towards Rational Design of Gold(III) Complexes for High–performance Organic Light-emitting Devices 吳嘉盈 Maggie Ng / 國立臺灣師範大學
	14:50-15:00	綜合討論

分組 33 先進有機合成 Advanced Organic Synthesis

13:30-15:00 / 1st Floor, SC101

Chair:		林韋佑 Wei-Yu Lin / 高雄醫學大學
O33-1	13:30-13:50	Decarboxylative Coupling and C–H Activation of Proaromatic Acids: A Modular Approach to Molecular Complexity 周志明 Chih-Ming Chou / 國立高雄大學
O33-2	13:50-14:10	Alkene Isomerization as a Design Tool for Stereoconvergent and Domino Transformations 何國銘 Guo-Ming Ho / 國立高雄師範大學
O33-3	14:10-14:30	Serendipitous Pathways to Novel Indeno-Isoxazoles, Indenones, Fluorenone–Anthrones, and Benzocycloheptafluorenones 朱見和 Jean-Ho Chu / 國立臺東大學
O33-4	14:30-14:50	Building Carbocyclic-fused Coumarin Scaffolds as Robust Photocages: From Photocatalysis to Photolysis 朱智謙 Chih-Chien Chu / 中山醫學大學
	14:50-15:00	藥物化學研究論文獎 - 傑出獎短講

分組 34 可觸發響應的化學生物學 Trigger-responsive Chemical Biology

13:30-15:00 / 2nd Floor, SC202

Chair:		李賢明 Hsien-Ming Lee / 中央研究院
O34-1	13:30-13:50	Spatiotemporal Controlling and Tracking in Biosystems via Versatile Stimuli-Responsive Caged Probes 王宗興 Tsung-Shing Wang / 國立臺灣大學
O34-2	13:50-14:10	Trigger-Responsive Modulation of Biomolecular Condensates in Neurodegenerative Proteinopathy 黃人則 Jen-Tse Huang / 中央研究院
O34-3	14:10-14:30	Arylboronates as ROS-Responsive Reactive Warheads: From Molecular Probes to Precision Nanomedicines 賴千蕙 Chian-Hui Lai / 國立中興大學
O34-4	14:30-14:50	Nano- and Bio-materials-enabled Drug Delivery Technologies for Disease Therapy 陳緯 Wei Chen / 中央研究院
	14:50-15:00	綜合討論

分組 35 先進奈米與電池材料的分析與應用技術【English Session】 Analytical and Application Techniques of Novel Nano- and Battery Materials

13:30-15:00 / 2nd Floor, SC201

Chair:		郭俊宏 Chun-Hong Kuo / 國立陽明交通大學
O35-1	13:30-13:50	Synchrotron XRD and HR-TEM Revelation of Surface Layer Lattice Deviations Producing Facet-dependent Behaviors of Semiconductor Crystals 黃暄益 Michael H. Huang / 國立清華大學
O35-2	13:50-14:10	Efficient and Reliable Materials for Electronics by TCI Taro Tanabe / Tokyo Chemical Industry
O35-3	14:10-14:30	Advanced XAFS Spectroscopy Investigation of Electronic and Atomic Structure of Energy Materials 包志文 Chih-Wen Pao / 國家同步輻射研究中心
O35-4	14:30-14:50	Unraveling the Mechanisms of Oxygen Evolution and Ammonia Formation Using in Situ NAP-XPS and Operando Raman Spectroscopy 張裕煦 Yu-Hsu Chang / 國立臺北科技大學
	14:50-15:00	【永光綠色化學研究論文獎】 Highly Electronegative Element Incorporated Lithium-rich Iron Sulfide Cathodes for Rechargeable Lithium-ion Batteries Hailemariam Adane Gebresilassie / National Taiwan University

分組 36 仿生催化 Biomimetic Catalysis

13:30-15:00 / 2nd Floor, SC226

Chair:		洪政雄 Chen-Hsiung Hung / 中央研究院
O36-1	13:30-13:50	Advancing Coordination Chemistry through Bioinspired Design and Functional Innovation 許智能 Sodio C. N. Hsu / 高雄醫學大學
O36-2	13:50-14:10	Chemical Richness in Plasmonics: Metal Complex–gold Interactions for Advanced Biosensing 江建文 Kien Voon Kong / 國立臺灣大學
O36-3	14:10-14:30	Photoinduced NO or HNO Production from Metal-nitrosyl Complexes Bearing Pendant Thiol or Metal-bound Diaryldisulfide 李建明 Chien-Ming Lee / 國立臺東大學
O36-4	14:30-14:50	Ferritin Nanocages Enable Artificial Metalloenzyme Engineering and High-entropy Chalcogenide Semiconductor Fabrication 王彥士 Yane-Shih Wang / 國立臺灣師範大學
	14:50-15:00	綜合討論

分組 37 生物與生醫中的計算化學 Computational Chemistry in Biological and Biomedical Sciences

13:30-15:00 / 2nd Floor, SC204

Chair:		朱智瑋 Jhih-Wei Chu / 國立陽明交通大學
O37-1	13:30-13:50	Structure and Dynamics of SERF1a, an Intrinsically Disordered Protein Catalysing Amyloidogenesis in Neurodegenerative Diseases 林榮信 Jung-Hsin Lin / 中央研究院
O37-2	13:50-14:10	Refining Gō-like Coarse-grained Framework for Accurate Protein Chirality and Mechanical Response 邱繼正 Chi-cheng Chiu / 國立成功大學
O37-3	14:10-14:30	Diffusion with a Twist: Interfacial Energy Landscapes Governing Amyloid-beta Dynamics 蔡旻燁 Min-Yeh Tsai / 國立中正大學
O37-4	14:30-14:50	Computational Insights into Prion Protein Dynamics and Neurodegeneration: From Molecular Motions to Pathological Transitions 李政怡 Cheng-I Lee / 國立中正大學
	14:50-15:00	綜合討論

分組 38 NCHU–UTokyo Special Session I I【English Session】
Precision Materials and Electrochemistry for a Sustainable Future

(Part A) Time: 13:30-15:00 / 1st Floor, SC111

Chair:		賴奕丞 Yei-Chen Lai / 國立中興大學
O38-1	13:30-13:45	Atomically-precise Gold Nanoclusters as Building Blocks for Functional Materials Tatsuya Tsukuda / University of Tokyo
O38-2	13:45-14:00	Facile Access to C–S, C–O, and C–N Bond Formation Using Sustainable Materials and Methods 梁健夫 Chien-Fu Liang / 國立中興大學
O38-3	14:00-14:15	Precision Molecular Modeling of Reactive Phase Transformations in Magnesium Oxide via AI-accelerated Dynamics 吳台偉 David Wu / 中央研究院
O38-4	14:15-14:30	Formation of Intricate Supramolecular Structures Through Self-assembly of Macrocyclic Building Blocks Exhibiting Dynamic Isomerism Shohei Tashiro / University of Tokyo
O38-5	14:30-14:45	Modulating Activation Pathways in Nickel-catalyzed Bond Formation 李紹齊 Shao-Chi Lee / 國立中興大學
O38-6	14:45-15:00	Developing Ferrite Nanomaterials through Metal Substitution, Morphological Control and Composite Formation Jessica Macdougall / University of Tokyo

(Part B) Time: 15:15-17:15 / 1st Floor, SC111

Chair:		梁建夫 Chien-Fu Liang / 國立中興大學
O38-7	15:15-15:30	Molecular Technology for Electrochemical Thermoelectric Conversion Teppei Yamada / University of Tokyo
O38-8	15:30-15:45	Nanoplasmonic Hybrid Photoelectrodes for One-step Immunosensing Devices 林寬鋸 Kuan-Jiuh Lin / 國立中興大學
O38-9	15:45-16:00	Epsilon Iron Oxide Ferrite Magnets with Giant Magnetic Anisotropy for High-frequency Electromagnetic Applications Asuka Namai / University of Tokyo
O38-10	16:00-16:15	A Synergistic Nanomaterial-enabled Strategy for Paper-based Analytical Platforms 林佳慧 Jia-Hui Lin / 國立中興大學
O38-11	16:15-16:30	MOF-based Confinement Strategy for Disrupting Hydrogen-bonded Fatty Acid Dimers and Tailoring Phase Transition Behavior Kunyi Leng / University of Tokyo
O38-12	16:30-16:45	From the Fundamental Ionization Mechanisms to a Practical Solution in Mass Spectrometry 盧臆中 I-Chung Lu / 國立中興大學
O38-13	16:45-17:00	Design of Multifunctional Switchable Materials Based on Spin-crossover Phenomena Olaf Stefanczyk / University of Tokyo
	17:00-17:15	Closing Remarks 林寬鋸 Kuan-Jiuh Lin / 國立中興大學 Teppei Yamada / University of Tokyo

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製備級液相層析裝置

Nexera Prep

Preparative and Purication Liquid Chromatograph

Be simple.
Be flexible.

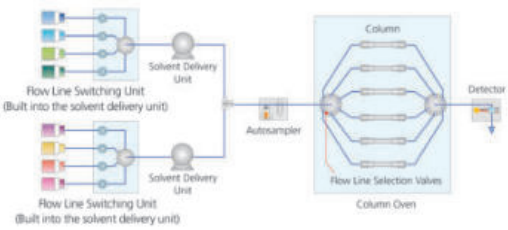
一站式工作流程

在合成開發過程中，快速確認目標物有效分離純化即時收集樣品，加速和簡化製備工作的條件建立，讓您從分析、確認、收集一次完成。

HPLC
有效分離

- 分離目標化合物提高純化效率
- 從分析級放大到製備級的管柱系列
- 簡化分析條件的開發和製備參數的最佳化

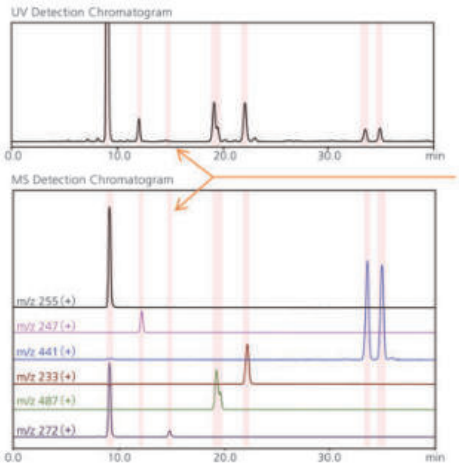
分析條件的開發
(Method Scouting 系統)



更多資訊 ▶

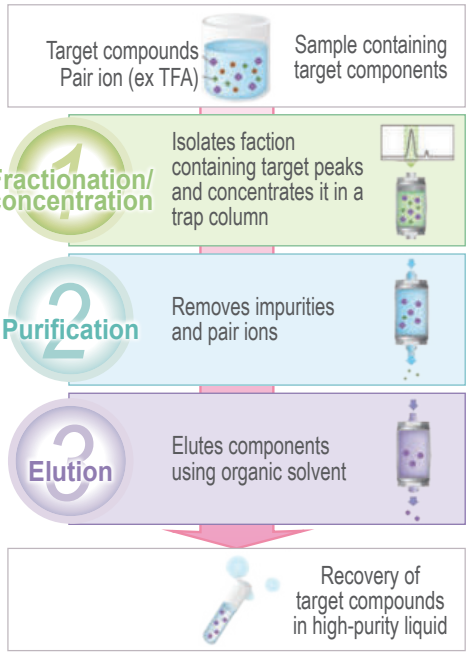
LCMS–2050
非UV吸收成分製備

- 指定目標成分的質量後可以放心收集餾分
- 搭配 DUIS(ESI+APCI) 游離源對各種化學性質的化合物提供卓越靈敏度



Fraction Collector
餾分收集器

- FRC–40/LH–40/FRC–10A，多種裝置可根據回收量選擇配合餾分收集器



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Poster Session

Poster Session 1

Posting Time: 08:00-09:00, March 7th (GMT+8)

Presentation Time: 14:45-16:00, March 7th (GMT+8)

Removal Time: 16:30-17:30, March 7th (GMT+8)

SAT-PS1-001 P1-0001	Morphology and Facet Effects on the Charge and Discharge Mechanisms in FeSe2-Based Lithium-Ion Storage Chih-Hsueh Li, National Tsing Hua University
SAT-PS1-002 P1-0004	Assembly of Two 3D Cu(II)-based MOFs Based on A Flexible Tripodal Thioether-based Pyridyl Ligand (L1) with Two Dicarboxylate Ligands, 1,4-Phenylenediacetate (L2) and Terephthalate (L3): Synthesis, Structural Characterization and Thermal Stability Ciou Yu Ching, 東吳大學
SAT-PS1-003 P1-0005	Synthesis, Structural Characterization, Thermal Stability and Solvent De-/Ad-Sorption Behavior of 2D or 3D MOF Based on Tripodal Thioether-Based Pyridyl Ligand Hsin-Fang Chang, 東吳大學
SAT-PS1-004 P1-0006	Characteristic of Photophysic Behavior with Multi-Low Energy Emitting State for Phosphorescent of [Ru(bpy)2(HDPA)]2+ and [Ru(bpy)2(DPA-)]+ Ions in the Protic Solvent Glasses Tsunh-Lun Hsieh, 輔仁大學學校財團法人輔仁大學
SAT-PS1-005 P1-0007	Characteristics of Triplet Metal-To-Ligand Charge-Transfer Excited-State of Mono- and Diruthenium-(Polyazine) Chromophores Tzu-En Chen, 輔仁大學
SAT-PS1-006 P1-0008	Phase-Dependent Phototoxicity of MoS_2 Nanosheets in Zebrafish Embryos: Interplay Between Crystal Structure and Oxidative Stress Regulation Yu-Ren Chiou, Taipei Medical University
SAT-PS1-007 P1-0009	Assembly of Two 3D Metal-Organic Frameworks Based on A Flexible Tripodal Thioether based Pyridyl Ligand and 4,4'-Sulfonyldibenzoic Acid: Structural Characterization, Thermal Stability and Gases Sorption Behavior Yu-Hsuan Hou, 東吳大學
SAT-PS1-008 P1-0010	Study on the Use of Sulfoxides as Challenging Electrophiles in Suzuki Cross-Coupling Reactions Catalyzed by Pd–NAPA Precatalyst Yi-Jie Tsai, Providence University
SAT-PS1-009 P1-0011	Control of Copper Nuclearity by Metal Source and Base in a Multidentate Ligand System June Wei Ye, National Dong Hwa University
SAT-PS1-010 P1-0012	Cd(II), Zn(II) and Ag(I) Coordination Polymers Constructed from Bis-pyridyl-bis-amide and Hexacarboxylic Acid: Synthesis, Structures and Luminescent Properties Chia-Li Liu, 中原大學
SAT-PS1-011 P1-0013	Engineering CuRu/ CuRuGa Nanoframes Nanocrystals for Electrochemical Urea Synthesis Yatang Yang, NYCU
SAT-PS1-012 P1-0014	Development of Low-Cost and High-Performance Al2O3/Fe Catalysts for Low-Temperature Ammonia Decomposition Ti-Hsuan Hsiao, National Yang Ming Chiao Tung University
SAT-PS1-013 P1-0015	Step-by-Step Synthesis of Chiral Au 432 Helicoid Nanoparticles Decorated with Cu2O for Plasmon-Enhanced Catalysis Kuan-Ho shiung, National Yang Ming Chiao tung University

SAT-PS1-014 P1-0016	**Facet-Engineered Hexagonal Delafossite Catalysts for Efficient CO_2 Conversion** 林靖梧 , 國立陽明交通大學
SAT-PS1-015 P1-0017	**Synergistic Bimetallic PdAg Nanoalloy for Electrocatalytic Reduction of Nitrate to Ammonia in Neutral Solution** Yu-Chi Tseng, Tunghai University
SAT-PS1-016 P1-0018	**Fabrication of Cu@CCC Electrocatalyst with Molecular Cage Encapsulation for Probing C–C Coupling in CO2 and CO Electroreduction** Tzu-Chiao Huang, National Yang Ming Chiao Tung University
SAT-PS1-017 P1-0021	**Ultrasonic Assisted Heterogeneous Catalyst Reaction** Yun Pei Zeng, Refining & Manufacturing Research Institute, CPC Corporation, Taiwan
SAT-PS1-018 P1-0022	**Performance of Copper-Based Trimetallic Nanocrystals in Electrocatalytic Urea Synthesis Reaction** Hsing Ye Chen, 國立陽明交通大學
SAT-PS1-019 P1-0023	**Interfacial Promotion and Electronic Modulation in Co/MgLaOx Catalysts for Efficient Ammonia Decomposition** Ching-Yi Chou, 國立陽明交通大學
SAT-PS1-020 P1-0024	**Unraveling Geometric Transformations in Chiral Au Nanostructures via SAXS: Towards Au@Pd Core-Shell Catalysts** Yun-Hao Chen, National Yang Ming Chiao Tung University
SAT-PS1-021 P1-0025	**Mechanistic Study on the Synthesis of Nickel-Based Catalysts with Low-Temperature Reducibility in Hydrogen** Yun Hsuan Tsai, National Cheng Kung University
SAT-PS1-022 P1-0026	**Synthesis, Structures and Properties of Divalent Coordination Polymers Based on 4,4'-oxybis[N-(pyridin-3-ylmethyl)benzamide] and Isomeric Dicarboxylate Ligands** Yi-Ju Hsieh, Chung Yuan Christian University
SAT-PS1-023 P1-0027	**Study on In-situ Structural Change and Hydrocarbon Product Selectivity of Cu-Loaded Strontium Hydroxide Monohydrate During CO2 Conversion** 張泰駿 , National Yangming Chiaotung University
SAT-PS1-024 P1-0028	**Multifunctional Dual-Doping Strategy Improving Halide-Based Solid-State Electrolyte** Yun-Ping Chang, 國立臺灣大學
SAT-PS1-025 P1-0029	**Facet-Engineered Cu@CuAu Core–Shell Nanoparticles: Tuning CO2 Reduction Selectivity via Temperature-Controlled Synthesis** Juang Ruei Hung, National Yang Ming Chiao Tung University
SAT-PS1-026 P1-0030	**One-Pot Synthesis of Chiral Metallic-BINOL Hybrid Nanocatalyst** Wei-Han Lee, 國立陽明交通大學
SAT-PS1-027 P1-0031	**Synthesis and Characterization of Sodium Complexes Bearing ONNO-Type Schiff Base Ligands and Their Application in Ring-Opening Polymerization of L-Lactide** Chi-Tien Chen, National Chung Hsing University
SAT-PS1-028 P1-0032	**Selective Energy Transfer via Chromium Clusters for High-Performance Blue-Excitable Shortwave Infrared Phosphors** Chuan Fang Tsao, 台灣大學
SAT-PS1-029 P1-0033	**Tunable Near-Infrared Emission via Crystal Field Engineering in Blue-Excitable In3+-Substituted MgGa2O4:Cr3+,Ni2+ Phosphors** Yu Chieh Huang, 國立臺灣大學
SAT-PS1-030 P1-0034	**Photothermal Behavior of Phase-Tuned MoS_2 Nanosheets and Their Redox-Dependent Toxicity in Zebrafish Embryos** Yu-Tai Chiou, Taipei Medical University
SAT-PS1-031 P1-0035	**Design and Synthesis of Through-Space Charge-Transfer TADF Molecules Based on Triptycene Bridge** Ya-Hsuan Lin, 國立清華大學

SAT-PS1-032 P1-0036	Zr4+ Doped Li3InCl6 Solid Electrolyte via Supersaturated-Driven Coprecipitation Strategy for Application in Solid-State Lithium Batteries 嚴浩瑄 , 中央研究院
SAT-PS1-033 P1-0037	Multiple-Step Ionic Coordination Enables Robust Zr–MOC/Alginate Composite Hydrogels with Antibacterial Functionality Tai-Lin Wu, National Taiwan University
SAT-PS1-034 P1-0038	Comparative Studies of Flame-Retardant Properties for Polyurethane/MOFs Composites Prepared by Different Dispersion Methods Yao-ting Huang, 天主教輔仁大學
SAT-PS1-035 P1-0039	Effect of Carboxylate Auxiliary Coligands in Dicobalt Benzimidazole-Derived Complexes on Copolymerization Carbon Dioxide with Epoxide Liao Jhih Ling, 中興大學
SAT-PS1-036 P1-0040	Ambiphilic Chiral Aluminum Cations as Catalysts for Enantioselective Phospha-Michael Additions Wan-Chi Liao, National Taiwan University
SAT-PS1-037 P1-0041	Copolymerization of Carbon Dioxide and Propylene Oxide Mediated by Novel Heterobimetallic Cobalt(III)/Silver(I) Complexes Zheng-Han Lai, National Taiwan University
SAT-PS1-038 P1-0042	Novel Copper–Sulfur Hydrogen-Bonded Organic Frameworks for Fluorescence Sensing Shun Yi Chang, 輔仁大學
SAT-PS1-039 P1-0043	Tuning Electronic Structure and Iron–Ligand Covalency in Dimeric DNICs through Ligand Variation: Insights from X-ray Absorption and Emission Spectroscopies Sen Hung Hsieh, National Tsing Hua University
SAT-PS1-040 P1-0044	Preparation and Fire Safety Applications of Polyurethane/Calcium-Based Metal–Organic Framework Composites Chun-Yi Pao, Fu Jen Catholic University
SAT-PS1-041 P1-0045	Electrochemical Nitrogen Reduction on Cobalt Phosphide in Plasma Electrolytic Oxidation–Treated Electrolyte Under N_2 Flow Hsuan-Chia HuanG, National Taipei University of Technology
SAT-PS1-042 P1-0046	Reaction Mechanism of Electrochemical Nitrate Reduction to Ammonia on CoP in Neutral and Alkaline Media Revealed by in Situ NAP-XPS and Operando Raman Spectroscopy Yi-Kai Kuo, National Taipei University of Technology
SAT-PS1-043 P1-0047	C-H Activation by Dinuclear Copper-Oxygen Species Supported by Unsymmetrical β-Diketiminato Ligands Tzu-Hsien Yang, Kaohsiung Medical University
SAT-PS1-044 P1-0048	The Ring-Opening Polymerization Mechanism of ε-Caprolactone Catalyzed by AlMe2(OR)-TI Complex Fan-Yi Lee, National Central University
SAT-PS1-045 P1-0049	Structural Characterization and Thermal Stability of Two Microporous Supramolecular Architectures Based on 1,2-bis (4-pyridiyl)disulfide (dpds) and 1,2,4,5-benzenetetracarboxylic acid (H4BT) Kai Chu Cheng, Soochow University
SAT-PS1-046 P1-0050	Structural Characterization and Thermal Stability of Two Solvent-dependent Cu(II) Metal-Organic Frameworks Based on 1,2-bis(4-pyridiyl)disulfide (dpds) and 5-Nitroisophthalic acid (nipa) Si-Tung Yeh, Soochow University
SAT-PS1-047 P1-0051	Cobalt(II) Complex Supported by Deprotonated 1,10-Phenanthroline-2,9-Dione Ligands: Resonance-Assisted Charge Delocalization and Magnetic Anisotropy Yu-Hsuan Liu, Fu Jen Catholic University

SAT-PS1-048 P1-0053	**Exploring C–H Activation by Nickel–Oxyl Species** Sihong Chen, Kaohsiung Medical University
SAT-PS1-049 P1-0054	**Copper Nitrite Reduction by Thiols: Mechanistic Insights into NO Release en route to Copper Thiolate Cluster Formation** Naorem Jemes Meitei, Kaohsiung Medical University
SAT-PS1-050 P1-0055	**Supersaturation-Driven Coprecipitation of Li3InCl6 Solid-State Electrolytes for All-Solid-State Lithium Batteries** Josanelle Angela Villanueva Bilo, Research Center for Applied Sciences
SAT-PS1-051 P1-0056	**The Self-Assembly of Co(II)-Based Two-Dimensional Coordination Polymers from 5-Aminopyrimidine: Syntheses, Crystal Structures, and Properties** Shu Hao Liu, 東海大學
SAT-PS1-052 P1-0058	**Oxygen-Mediated Orbital Tuning in Metal Oxides: Ca/Se/Zn-Doped CuO as a Model System** Pulikkutty Subramaniyan, National Taiwan University
SAT-PS1-053 P1-0059	**Ni-Co-Fe-Cr Metal Oxides for Electrochemical Oxygen Evolution Reaction** Yu-Qi Zhang, National Taipei University of Technology
SAT-PS1-054 P1-0060	**Structural and Electrochemical Performance of Electrospun MnFe2O4/Graphene Oxide Nanofiber Composites for Supercapacitor Applications.** Chia-Ying Yeh, National Pingtung University
SAT-PS1-055 P1-0061	**Synthesis and Structural Characterization of a Novel Copper-Based Metal–Organic Framework and Poly(1,4-butanedioic methylene) with Carbon Capture Potential** Chih Ling Chang, Fu Jen Catholic University
SAT-PS1-056 P1-0062	**pH-Modulated DNA Interaction of Ru(II)-Acylthiourea Complexes: The Critical Role of Bidentate Coordination in Anticancer Efficacy** Rong-Chang Zhang, National Chiayi University
SAT-PS1-057 P1-0063	**Modulating Anticancer Potency and DNA Binding of Ru(II)-p-Cymene Acylthiourea Complexes via Coordination Mode and Auxiliary Ligands** Shu En De, Kaohsiung Medical University, Kaohsiung, Taiwan.
SAT-PS1-058 P1-0064	**Theory-Guided Development of All-Solid-State Lithium Batteries with Dual-Solid State Electrolytes** Hong-Yi Chao, National Taiwan University of Science and Technology
SAT-PS1-059 P1-0065	**Flame Retardant Properties of Poly(o-methoxyaniline)/(Cu–S)n MOF Composite Coating** Chi Wen Chen, 天主教輔仁大學
SAT-PS1-060 P1-0066	**Preparation of Polyaniline/Lanthanide-MOF Composites as Flame Retardancy** Lichen Chen, 天主教輔仁大學
SAT-PS1-061 P1-0067	**Corrosion Resistance of Ti3C2 MXene/PANI Nanocomposite Materials** Meng Ting Chang, 天主教輔仁大學
SAT-PS1-062 P1-0068	**Group 13 Halide Complexes of Tris(7-azaindolyl)borate** Mei-Ling Lin, National Taiwan University
SAT-PS1-063 P1-0069	**Facile synthesis to Cyclic(Alkyl)(Amino)Olefins (CAAOs)** Zheng-Zhe Tsai, National Sun Yat-sen University
SAT-PS1-064 P1-0070	**Pyrrolidin-2-iminato Phosphines: Ligand Design Incorporating Anagostic Metal–C–H Interactions** Hsun-Chieh Pai, National Sun Yat-sen University
SAT-PS1-065 P1-0071	**Energy-transfer-engineered broadband NIR luminescence in Ca10Li(PO4)7:Cr3+,Yb3+ phosphate phosphors** Si-Yin Liu, Taipei University of Technology

SAT-PS1-066 P1-0072	Regulating the Structure Transformation and Broadband Near-Infrared Luminescence Properties of Cr and Ni Codoped Double Perovskite Phosphors by B-Site Cation Substitution Yi-Han Chen, National Taipei University of Technology
SAT-PS1-067 P1-0073	Cobalt(II) Amide Catalyzed Cycloaddition Reaction Huanyuan Chen, National Sun Yat-sen University
SAT-PS1-068 P1-0075	In Situ Synthesis and Potential Applications of Aromatic Metal Rings Using Mesoionic Carbenes Ting-Yu Yang, National Sun Yat-sen University
SAT-PS1-069 P1-0077	Investigation of Cu–Ni Bimetallic Catalysts for Electrochemical CO2 Reduction Reaction Yu-Shan Jhang Jian, National Taiwan Normal University
SAT-PS1-070 P1-0078	Design and Synthesis of tzIPr-Based NHCPalladium Complexes as Catalysts for Suzuki-Miyaura Cross-Coupling Reaction Chen-Yu Hong, 靜宜大學
SAT-PS1-071 P1-0079	Porphyrin-NHC Self-Assembled Monolayers on Gold for Heterogenous Electrochemical CO_2 Reduction Nishat Khan, Kaoshiung Medical University
SAT-PS1-072 P1-0080	Mechanochemical Suzuki–Miyaura Cross-Coupling Reactions Under Low Catalyst Loading of Pd-NAPA Pei Yu Tien, 靜宜大學
SAT-PS1-073 P1-0081	Efficient Hydrosilylation of Ketones Catalyzed by an Fe(II) Complex Bearing a Flexible NNN Ligand Chen-An Tai, National Central University
SAT-PS1-074 P1-0082	Catalytic Copolymerization of Dihydrocoumarin with Epoxides by Effective Novel Chromium Complexes GuanLin Liu, 國立中興大學
SAT-PS1-075 P1-0083	Synthesis and Characterization of a series of Ni Complexes Bearing a Flexible NNN Ligand Shu-Chi Liao, National Central University
SAT-PS1-076 P1-0084	Photoinduced NO Release from a $\{MnNO\}^6$ Complex Driven by S–S Antibonding Orbital Population: A DFT Mechanistic Study Shu-Ting Lin, National Chung Hsing University
SAT-PS1-077 P1-0085	The Reduction of Phosphate to PH3 in a Single Step Zhu Di Lee, 國立台灣大學
SAT-PS1-078 P1-0087	A Porous 3D Co(II) Molecular Magnet with Single-Crystal-to-Single-Crystal Solvent Exchange I Chien Chao, Tunghai University
SAT-PS1-079 P1-0088	Structures and Magnetic Properties of Two-Dimensional Halide-Bridged Copper(II) Coordination Polymers Fangyi Li, 東海大學
SAT-PS1-080 P1-0089	Development of Sterically Demanding N-Heterocyclic Carbene Ligand Yu-Wei Chao, 中山大學
SAT-PS1-081 P1-0090	Microwave-Assisted Hydrothermal Synthesis of $MnFe_2O_4$/rGO Nanocomposites for Highly Efficient Malachite Green Adsorption Yu-Hsuan Chiou, 國立屏東大學
SAT-PS1-082 P1-0091	Electro-Corona Enhancement of Hydrophobic Silver Nanostars Catalysts for Industrial Electrocatalytic CO2 Reduction to CO Fangyu Lin, 陽明交通大學

SAT-PS1-083 P1-0092	**Characteristics of the Phosphorescent Ru-(1,2-bis(dimethylphosphino)ethane)(2,2'-bipyridine) Chromophore: Intrinsic Nuclear-Charge Term in Spin-Orbit Coupling Formalism** Jyun-Kai Yang, 輔仁大學
SAT-PS1-084 P1-0093	**Investigation of the Electrochemical CO2 Reduction Performance of Rhenium Complexes Containing a Hexabenzocoronene-Based Bipyridine Ligand** Sin Yi Chou, 高雄醫學大學
SAT-PS1-085 P1-0094	**Unexpected Rebound in iron(IV)-oxo Ethylene-Bridged Dialkylcyclam Species [FeIV(O)(EBC-1Me-1py)]2+ During C-H Activation** Yu-Jie Tsai, 國立高雄師範大學
SAT-PS1-086 P1-0095	**Bis(oxazoline)-Coordinated Group 13 and 14 Complexes** Yen-Jung Cheng, National Taiwan University
SAT-PS1-087 P1-0097	**Crystal-Field Modulation of Fe3+-Activated Near-Infrared Emission in Sr9Sc(PO4)7 Phosphor for NIR Sensing** Jun-Yan Lai, National Taipei University of Technology
SAT-PS1-088 P1-0098	**Shape Induced Lattice Anisotropy and Facet-Dependent Piezocatalysis in Cubic Phase SnS Nanocrystals** Satyaranjan Jena, National Tsinghua University
SAT-PS1-089 P1-0099	**Design and Synthesis of Sodium Amino-Boryloxy Complexes for Ring-Opening Polymerization of ε-Caprolactone** Yo-Hsin Shih, 靜宜大學
SAT-PS1-090 P1-0100	**Solvent-Directed Synthesis of CuO/CuS Heterostructures for Efficient Oxygen Evolution Reaction in Alkaline Media** Chai-Hsuan Tsai, 高雄大學
SAT-PS1-091 P1-0101	**Design and Fabrication of Cubic Cu2O–M (M=Fe, Co, Ni) Core-Shell Electrocatalysts for Enhanced Oxygen Evolution in Alkaline Conditions** Yung-Pin Chuang, 國立高雄大學
SAT-PS1-092 P1-0102	**Solvent Controlled Zinc-Organic Frameworks: Synthesis, Structures, Properties and Gas Adsorption** Bo-Xiang Chen, National Chi Nan University
SAT-PS1-093 P1-0103	**Lewis Acid–Promoted Transformation of a Mn(III)–Superoxo Complex: From O–O Bond Cleavage to Formation of a Reactive Mn–O–Sc Species** LIn XinYi, 國立台灣師範大學
SAT-PS1-094 P1-0104	**Characterization of Co(III)–Superoxo and –Hydroperoxo Species: Crystallographic Evidence and Reactivity** Tun-Yu Chang, 國立台灣師範大學
SAT-PS1-095 P1-0105	**Studies on Alkyne Insertion Reactions Mediated by PNP-Supported Nickel Hydride Complexes** Zhao-Ming Weng, 國立中山大學
SAT-PS1-096 P1-0106	**New Quaternary Chalcogenides with Layered Intergrowth Structures** Yu-En Jheng, 國立陽明交通大學
SAT-PS1-097 P1-0107	**Photodynamic Therapy with Novel Cyclometallated Ir(III) Complexes Bearing [1,2,3]Triazolo[1,5-a]Pyridine-Benzothiazole Ancillary Ligand** Xun-Rong Wang, National Chung Cheng University
SAT-PS1-098 P1-0108	**Uncovering Collective Spin Correlations in Mn2+-Doped (CdSe)13 Nanoclusters through Synchrotron and Neutron Probes** Nagaraju Narayanam, National Taiwan Normal University (NTNU)
SAT-PS1-099 P1-0109	**Synthesis and Structural Characterization of Bimetallic Indium–Lanthanide Complexes** Kai-Yun Hsu, National Taiwan University

SAT-PS1-100 P1-0110	**Thermal In-Situ Nitrogen Doping of Mesoporous Graphene-Oxide/Zeolite Carbon Interfaces for Stable Electrochemical Sensing** Poonam Kumari, National Taiwan Normal University
SAT-PS1-101 P1-0111	**A QTAIM Analysis of Solvent Effects and Intermolecular Interactions on Some Spin Crossover Fe(II) Complexes** Jia Yu Lin, 國立臺北科技大學
SAT-PS1-102 P1-0113	**Time-Resolved Pathway of Beta Zeolite Seeds Governs Growth of Mesoporous Zeolite Nanoparticles** Pei-Ying Liu, National Taiwan Normal University
SAT-PS1-103 P1-0114	**A SALDI Microarray Platform for Drug Analysis Based on Photothermal Dual-Semiconductor Matrices** CHUNG-Chih TANG, National Taiwan Normal University
SAT-PS1-104 P1-0115	**Synthesis of Ligand for Donor–Acceptor Type Zn-Salophen Complex with Broadband Absorption and Redox Activity** Jun Jiang Ting, 靜宜大學
SAT-PS1-105 P1-0116	**Structure and Local Environment of Fe3+-Doped Double Perovskites Revealed by Synchrotron XRD and XAS** Yu-Te Lee, Academia sinica
SAT-PS1-106 P1-0117	**Pd(II)-NAPA Catalyzed Alcohol Oxidation: Electronic and Halide Effects Across Mechanochemical and Solution-Phase Systems** LyuHan Lan, National Chung Hsing University
SAT-PS1-107 P1-0118	**Influence of Aryl and Alkyl Substituents on the Coordination Behavior of β-Thioketoiminate Nickel Complexes** Ya-Chun Lee, Kaohsiung Medical University
SAT-PS1-108 P1-0119	**Spectroscopic Trapping and Electronic Structure Characterization of an Elusive Ferric Intermediate in a Non-Heme Iron Enzyme via Second-Sphere Modulation** Yu Jie Wang, National Taiwan Normal University
SAT-PS1-109 P1-0120	**The Synthesis of BiOBr1-XClX Photocatalyst for the Enhanced Visible-Light Photocatalytic Reduction** Yu-siang Ye, National university of Kaohsiung
SAT-PS1-110 P1-0121	**Supersaturation-Driven Co-Precipitation Enables Scalable Wet-Chemical Synthesis of High-Purity Halide-Based Solid Electrolyte (Na3InCl6) with Atmospheric-Dependent In Situ Analysis for Sodium-Ion Batteries** Saddam Shoukat Ali Shaikh, Academia Sinica/ National Tsing-Hua University
SAT-PS1-111 P1-0122	**Ceramic Framework Design Strategies for Oxide-Based Solid Electrolytes in All-Solid-State Lithium Batteries** Jing-Cheng Lin, Ming Chi University of Technology
SAT-PS1-112 P1-0123	**Boosting Li+ Conductivity in Sulfide-based Argyrodite Solid Electrolytes via Cation Substitution** Thai-Hong Truong, National Taiwan University of Science and Technology
SAT-PS1-113 P1-0124	**Energy-Driven Transformation of Confined Mesostructured Films toward SERS and Electrochemical Remediation Platforms** Ying-Tong Kuo, National Taiwan Normal University
SAT-PS1-114 P1-0125	**Redox-Flexible Spinel HEO Catalysts for Efficient Hydrogen Production from Oxidative Steam Reforming of Ethanol (OSRE)** I-Han Tseng, National Yang Ming Chiao Tung University
SAT-PS1-115 P1-0126	**Interface Engineering Strategies for Hybrid Solid Electrolytes in Lithium Metal Batteries** Chih-Hung Lu, Ming Chi University of Technology
SAT-PS1-116 P1-0127	**Development of Aromatics-modulated CuO_x@MWCNT Composite Catalysts for Electrochemical CO_2 Reduction Reaction (CO2RR) to Methanol** Hao-Yuan Cheng, Academia Sinica

SAT-PS1-117 P1-0128	**Synthesis and Characterization of Lanthanide Binuclear Metal String Complexes** I Chen Yeh, National Taiwan University
SAT-PS1-118 P1-0129	**Dual-Active NiO/$La_2Zr_{1.8}Ru_{0.2}O_7$ (LZRO) Catalysts for Oxidative Steam Reforming of Ethanol (OSRE)** Yu-Xiang Xu, 國立陽明交通大學
SAT-PS1-119 P1-0130	**The Study of Saddled Deformation and Electronic Effects on the Oxidation Mechanism of Iron(III) Porphyrins** Li-Zhen Yang, National Chung Hsing University
SAT-PS1-120 P1-0131	**Coordination Control of O–O bond Cleavage in TPAFe(III) Complexes by 2,2,5-trimethyl- and 5-methyl-3,4-dihydro-2H-pyrrole 1-oxide Push Ligands for Selective Oxidation** Chia-Hao Chen, 國立中興大學
SAT-PS1-121 P1-0132	**Structural Characterization and Thermal Stability of Two Co(II) Based Supramolecular Architectures Based on 1,3,5-tris(4-pyridylsulfanylmethyl)-2,4,6-trimethylbenzene (tpsmb) and 1,2-pdaH2, 1,3-pdaH2 Ligands** Shih Yuan Chen, Soochow University
SAT-PS1-122 P1-0133	**Structural Diversity of Four Zn(II) Metal-Organic Frameworks (MOFs) constructed by 1,4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene (4-bpd) and 5-R-isophthalic acid (5-R-ipaH2)** Yung Ting Chuang, Soochow University
SAT-PS1-123 P1-0134	**Synthesis and Characterization of a Series of Cobalt Complexes Supported by Phosphine** Yi-Jie Tsai, National Central University
SAT-PS1-124 P1-0135	**Synergistic Electronic Modulation of CoOOH via Phosphate and Iron Co-decoration for Accelerated Oxygen Evolution Reaction** Tien Thi Thuy Dang, National Taipei University of Technology
SAT-PS1-125 P1-0136	**Reactivity in Di-iron P4 Complexes: From Intramolecular Activation to Functionalization** Hao-Yuan Lan, National Yang Ming Chiao Tung University
SAT-PS1-126 P1-0137	**Morphology-Controlled NiCoFe Phosphosulfide Nanocages Derived from ZIF-67 Enable Enhanced Alkaline OER** Wan-Tien Huang, National Taiwan University
SAT-PS1-127 P1-0138	**Application of Sn(IV) Complexes of porphyrins in Electrochemical CO2 Reduction** FengYi Chen, 國立彰化師範大學
SAT-PS1-128 P1-0139	**Hydrohermal Synthesis and Structural Characterization of a Copper(II)-Phosphonate Coordination Polymer** Liwu Hu, 國立暨南國際大學
SAT-PS1-129 P1-0140	**Chloroborinium as a Synthon for Arylboriniums via Bora-Friedel-Crafts Reactions** Bo-An Chen, National Taiwan University
SAT-PS1-130 P1-0141	**Effect of Lanthanide Contraction on the Coordination Behaviors and Structures of Lanthanide Metal-Organic Frameworks** Chinhung Chou, 國立暨南國際大學
SAT-PS1-131 P1-0142	**Structural Diversity and Interpenetration of Four Solvent-Dependent 3D Zn(II) Metal-Organic Frameworks (MOFs) constructed by 1,4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene (4-bpd) and Terephthalic acid, disodium salt (Na2bdc)** Ying Shan Chen, Soochow University
SAT-PS1-132 P1-0143	**Homogeneous Electrochemical CO2 Reduction Catalyzed by Pincer-type Nickel Complexes with N,S-Donor Ligands** Lee Yi-Ching, National Sun Yat-sen University
SAT-PS1-133 P1-0144	**Copper-Mediated Nitrite Reduction by Thiols: Kinetic Evidence for Direct Metal-to-Substrate Electron Transfer en Route to Cluster Formation.** Guo Ge Qiu, 高雄醫學大學

SAT-PS1-134 P1-0145	Modulating Auxiliary Ligands to Investigate Anticancer Activity of Ru(II)-p-Cymene Complexes Kai Di Jhou, 高雄醫學大學
SAT-PS1-135 P1-0146	Synthesis, Reactivity, and Bioinspired Activity Insights of Nickel(II) Complexes Bearing Unsymmetrical β-Diketiminate Ligand Rui-Xuan Jou, 高雄醫學大學
SAT-PS1-136 P1-0147	Synthesis and Characterization of Nickel Complexes Bearing Unsymmetrical β-Diketiminate Ligand Pei Hsuan Hsin, 高雄醫學大學
SAT-PS1-137 P1-0148	Geometric Control of Cu(I) Cluster Assembly via Aryl-Bridged Bis(β-Thioketiminato) Ligands Tsung En Wang, 高雄醫學大學
SAT-PS1-138 P1-0150	Characteristics of Ru–bpy Chromophores and DFT Modeling : Effects of Ligand Substitution on Photophysical Properties Chih-Hsiang Yang, 天主教輔仁大學
SAT-PS1-139 P1-0151	Structural Characteristic of A 3D Cd(II) Metal-Organic Framework (MOF) Based on 1,3,5-tris(4-pyridylsulfanylmethyl)-2,4,6-trimethylbenzene (tpsmb) and 2-Hydroxyterephthalic acid Shu-Tsen Liu, Soochow University
SAT-PS1-140 P1-0152	Structural Characterization and Water Vapor Isotherms of three 3D M(II) (M = Cu, Zn and Cd) MOF Constructed by 1,3,5-tris(4-pyridylsulfanylmethyl)-2,4,6-trimethylbenzene (tpsmb) and Oxalate (C2O42-) Ligands I-Chen Tang, Soochow University
SAT-PS1-141 P1-0153	Design and Synthesis of C_{3v}-Symmetric Metal Complexes for Biomimetic Nitric Oxide Release Hsin Hua Wang, 高雄醫學大學
SAT-PS1-142 P1-0154	Diiron Hydride Complexes Stabilized by Bis-Cyclopentadienyl Ligands: Synthesis and Characterization Wei-Chen Fu, National Yang Ming Chiao Tung University
SAT-PS1-143 P1-0155	Unraveling Multi-electron Redox Mechanisms and Structure-property Relationships in Quinone-based 1D Coordination Polymers Trakarn Yimtrakarn, National cheng kung university
SAT-PS1-144 P1-0156	Diruthenium Hydride Complexes Stabilized by Bis-Cyclopentadienyl Ligands: Synthesis, Characterization, and Reactivity Po-Sen Huang, National Yang Ming Chiao Tung university
SAT-PS1-145 P1-0157	Solvent Composition Guided Polymorphous of Zinc Coordination Polymers Chiao Hui Chen, 國立暨南國際大學
SAT-PS1-146 P1-0158	Kinetic and Mechanistic Investigation of Methanol-Promoted Thioacetalization of Benzaldehyde with 1,3-Propanedithiol Bo-Chun Lin, 國立中正大學化學暨生物化學所
SAT-PS1-147 P1-0159	Tailoring Water-Soluble NHC-Modified Multimetallic Nanocubes：From Synthesis to Catalytic Performance Yan Zhen Su, Kaohsiung Medical University
SAT-PS1-148 P1-0160	Development Of Inorganic Layer Nanomaterials Hybrided With Solvent-based Silicone Resin Chong Xuan Liao, 中原大學
SAT-PS1-149 P1-0161	A Diary In My Research Journey Structural Insights and Catalytic Potential of Pyridine-2,6-Dicarboxamide–Based Copper and Cobalt Complexes In Electrochemical CO_2 Conversion Tsung-Yuan Wu, 國立中山大學

SAT-PS1-150 P1-0162	A Grand Family of SnSe-related Homologous Series with Unique Sb — Sb Bonding in M — Sb — Se Systems (M = Ge/Sn/Pb) Guan-Ruei Chen, National Synchrotron Radiation Research Center
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SAT-PS1-152 P1-0164	Pathway-Controlled Diversity-Oriented Synthesis Based on Dynamic Imine Scaffolds Hsin-Hua Chang, National Dong Hwa University
SAT-PS1-153 P1-0165	Development and Application of Hole-Transport Layers Based on spiro[fluorene-9,9'-xanthene] for Perovskite Solar Cells Xin-Yi Zhao, Chung Yuan Christian University (CYCU)
SAT-PS1-154 P1-0166	Visible-Light-Driven Photoreduction of CO2 to Formate Using Pyridine-2,6-Dicarboxamide-Based Copper Catalysts Kun-Lin Wu, 國立中山大學
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SAT-PS1-158 P1-0170	Design and Synthesis of Bicarbazole-Based Hole-Transporting Materials for High-Performance Perovskite Solar Cells LI Ping Jung, Chung Yuan Christian University
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SAT-PS1-170 P4-0004	**Efficient Synthesis of Structurally Diverse Analogues of Ganglioside Hp-s1 with Anti-Neuroinflammatory Activity** Yu-wen Peng, 中原大學
SAT-PS1-171 P4-0006	**1.Expanding the Scope of azabicyclo[1,1,0]butane via Ring Strain Release Strategy** **2. Investing the Effect of Structural Modification on the Performance of Polysulfide Material in Ni(II) Adsorption** Song-Ting Chen, National Sun Yat-sen University
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SAT-PS1-175 P4-0011	**Site-Selective Control of Sialylation by Chemoenzymatic Method and Protecting Group Modulation Strategy** Yu-Tong Lin, National Tsing Hua University
SAT-PS1-176 P4-0012	**Benzotriazole-Modified Waterborne Polyurethanes for Durable UV Protection: Design and Performance** Tzu Mien Hsu, National Taipei University of Technology
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SAT-PS1-178 P4-0014	**Pd(II)-Catalyzed C(sp2)-H Alkenylation of 2-Amino Biaryls with Bulky Internal Alkynes: From Alkenylation to Orthogonal Polycyclic Hydrocarbons** Guganchandar vedarethinam, National Yang Ming Chiao Tung University
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SAT-PS1-180 P4-0016	**Rapid Construction of spiro-1,3-indanediones with Six Stereocenters via Organocatalytic Cascade Reaction Synthesis of 1,3-indanedione and vinyl-1,2-dione** Yu-Kai Hsu, 國立中興大學
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SAT-PS1-189 P4-0025	**Phase-Dependent Photochromic Luminescence in a Pentiptycene-based Homoleptic Gold(I)-Thiolate Cluster** Che-An Cheng, National Taiwan Univeristy
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SAT-PS1-200 P4-0037	**Modification and Application of Carbon Fixation Materials** Chih Yung Tsai, cpc
SAT-PS1-201 P4-0038	**Chemical Study of Eunicellin-Type Diterpenoids from the Soft Coral Cladiella sp.** Ya-Lun Cai, 國立屏東大學

SAT-PS1-202 P4-0040	**Functionalization of Hollow Shaped Molecular Units for Coordination of Drug Molecules and Their Release in Human Cells** Bharath Sagar Reddy Nallagari, China Medical University, Taichung
SAT-PS1-203 P4-0041	**Removeable Template Synthesis of Pyridine-containing Molecular Carbon Nanorings** Wen-Hui Chen, 國立中山大學
SAT-PS1-204 P4-0042	**Development of a Modular Oxazinanone Synthesis Using Boc_2O as a Carbon Source** Xsingyi Lee, National Chung Hsing University
SAT-PS1-205 P4-0043	**Preparation of Polypropylene-graft-poly(methyl methacrylate) copolymer Using Ziegler-Natta Copolymerization and Analysis of Their Physical Properties.** Chein-Wei Yeh, Chung Yuan Christian University
SAT-PS1-206 P4-0044	**Chemical Synthesis of Resveratrol-Based Probes for Protein Assay** Chin-Tse Feng, 國立中山大學
SAT-PS1-207 P4-0045	**Mixed Ionic-Electronic Transport in a Perylenediimide Small-Molecule Semiconductor** Pei Zhen Yu, 中興大學
SAT-PS1-208 P4-0046	**Substract Scope Study of Aminoethanol-Promoted Amidation at Unactivated Esters** 珺祝 , 中山大學
SAT-PS1-209 P4-0047	**Synthesis of multi-Substituted Bicyclo[2.2.2]oct-2-ene Derivatives as Potential Benzene Isosteres** Yong-Jin Jheng, National Taiwan University
SAT-PS1-210 P4-0048	**Iodine-Catalyzed Synthesis of 5-(Hydroxymethyl)-oxazolidin-2-ones** Huang Yueh Ling, Chung Hsing University
SAT-PS1-211 P4-0049	**Drug-Conjugated Ovalbumin as a Delivery Strategy for Hepatocellular Carcinoma Cells** Hou Hsiao-Ying, National Chung Cheng University
SAT-PS1-212 P4-0050	**Mild and Metal-Free Synthesis of Cyclic Carbonates Using Boc2O as an in Situ CO2 Surrogate** Yu-Jin Huang, Chung hsing university
SAT-PS1-213 P4-0052	**Chemoenzymatic Synthesis of Tn-associated Antigens for Development of Antibody and Glycan Microarray** Min-Cheng Chien, 國立清華大學
SAT-PS1-214 P4-0053	**Organocatalytic [3+3] Annulation: Asymmetric Access to Spiropyrazolone-Fused Tetrahydroxanthone** Ganesh Shantaram Khomane, National Taiwan Normal University, Taipei
SAT-PS1-215 P4-0054	**Synthesis and Characterization of 3,5-dimethyl-4-hydroxyphenylpentazole(HPP)** Sheng-Kai Kang, National Taipei University of Technology
SAT-PS1-216 P4-0055	**Allenyl Sulfonium Salts : the synthesis of Heterocyclic compound via [5+2]/[2+1] Annulation Reaction** Han Hsing Huang, Fu Jen Catholic University
SAT-PS1-217 P4-0057	**Synthesis of Steroid-Conjugated Peptides as Potential Therapeutics for Alzheimer's Disease** Yu-Yu Chang, National Chia-Yi University
SAT-PS1-218 P4-0058	**Total Synthesis of Cumbiasins** Ke-Hong Chen, 國家衛生研究院
SAT-PS1-219 P4-0059	**Organoselenium-Catalyzed Spirocyclization of Indolyl-Ynones** Tzu-Lun Yen, National Chiayi University
SAT-PS1-220 P4-0060	**Tailored Imidazole-Derivative-Tethered BODIPY Photocages via Meso and 2,6-Modifications for Enhanced Photorelease and Biothiol Detection** Yen Jou Lee, 高雄醫學大學
SAT-PS1-221 P4-0061	**Base-Promoted [3+2] and [3+3] Annulative Construction of Isolamellarin Scaffolds** Tung-Yu Wu, 東海大學 (Tunghai university)

SAT-PS1-222 P4-0062	**Activation of Gem-Dichloroacetamides and Epoxides Using Elemental Sulfur and Amines: A Route to Monothiooxalamides and α-Ketothioamides** Alageswaran Jayaram, Kaohsiung Medical University
SAT-PS1-223 P4-0063	**AIE-Driven Mechanochromic and Dual Metal/pH Sensing in Pyrene–Pyrimidine Systems** Anjali Joshi, Kaohsiung Medical University
SAT-PS1-224 P4-0065	**Base–Induced Alkylative Cyclization of γ– and Aryl–Substituted Isoindolin–1–ones to Tricyclic Isoindolones** Siang-Ying Chen, 國立高雄師範大學
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SAT-PS1-226 P4-0067	**Development and Application of a Photomechanochemical Deprotection Strategy for One-Pot Sialylation** Yu-An Liu, National Chung Cheng University
SAT-PS1-227 P4-0068	**Synthesis Of Aci/8e-Aci And Controllable Stereoselective Sialylation Under Mechanochemistry** Jiue-Wei Wang, National Chung Cheng University
SAT-PS1-228 P4-0069	**Synthesis of mFML derivatives: Targeting the KRAS G12D Protein for Pancreatic Cancer Therapy** Yu-Jun Wan, National Chung Cheng University
SAT-PS1-229 P4-0070	**Photochemical Synthesis of 6H-Chromeno[3,4-b]quinoxalin-6-ones** Pin-Hui Lin, 東海大學 (Tunghai university)
SAT-PS1-230 P4-0071	**Syntheses and Studies of Controllable Loosened/Tightened Macrocyclic Dual [2] Rotaxanes Containing Vibration Induced Emissive DPAC-Based Bis-Crown Ethers** Chia-Yun Wu, National Yang Ming Chiao Tung University
SAT-PS1-231 P4-0072	**Synthesis and Application of 2-Substituted 5-hydroxymethyl pyrrolidine via Late-Stage Activation of Tricyclic Lactones** Yu-Ting Lian, 嘉義大學
SAT-PS1-232 P4-0073	**A Grignard-Based, Acid-Free Protocol for Enamine Formation and Subsequent Reduction to α-Secondary Amines** Chia-Hui Chen, National Kaohsiung Normal University
SAT-PS1-233 P4-0074	**Total Synthesis of (±)-Crokonoid A via Acyl Radical Rearrangement** Chang-Hui Chen, 國家衛生研究院
SAT-PS1-234 P4-0075	**Development of Coumarin-Based Chemosensors Array for the Discrimination of Trace Elements** Meng-Tien Li, Fu Jen Catholic University
SAT-PS1-235 P4-0076	**Strain-Release-Driven Photoinduced Functionalization of Azabicyclo[1.1.0]butanes to Access Structurally Diverse Azetidines** Tzu-Yao Hsu, National Sun Yat-sen University
SAT-PS1-236 P4-0077	**Imidazole-Based Hydrogels with Photoresponsive Color Change and Enhanced Mechanical Strength** Heng Shi Chen, 中原大學
SAT-PS1-237 P4-0078	**Visible Light-Mediated Cascade Radical Addition/Cyclization of N-Acrylamides: Silylation via Dual Photoredox/HAT Catalysis** Hsin Yu Pan, National Chi Nan University
SAT-PS1-238 P4-0079	**Visible-Light-Driven Access to Benzo[c]coumarins and a Stable Cy-clohexene-Fused Intermediate as a Robust Photocage** Shuo-Hsiang Hsu, 中山醫學大學
SAT-PS1-239 P4-0080	**Asymmetric Synthesis of 3-Indolyl Dihydroquinolines via (4+2) cycloaddition/aza-Micheal Addition of Aryl Sulfonyl Indole Derivatives and Malononitriles** Huan-Chieh Huang, 國立臺灣師範大學

SAT-PS1-240 P4-0081	**Phosphine- and Base-Mediated Reactions of Alkynoates with 3-Homoacyl Coumarins: Diversity-Oriented Synthesis of 1,5-Addition products and 2-Pyrone Derivatives** Tzu-I Lin, 國立臺灣師範大學
SAT-PS1-241 P4-0082	**Synthesis of Heteroarene-annulated δ-lactones using 1,3-Dicarbonyl-2-arylidene Precursors** Chia-Yang Peng, 台灣師範大學
SAT-PS1-242 P4-0083	**Organocatalyzed Desymmetric Spiro-cyclization of Enal-Tethered 2,5-Cyclohexadienone with Thiazolone: Access Spiro-Fused Scaffolds** Wei-Chi Wu, 國立臺灣師範大學
SAT-PS1-243 P4-0084	**Exploring the Michael Addition and Umpolung Addition of Ethyl 2-butynoate with 3-Homoacyl Coumarins Enabled by Phosphine Reagent and Acid Additive** Tzu Yueh Ting, NTNU
SAT-PS1-244 P4-0085	**Phosphine-Mediated Synthesis of Conjugated Triene Carboxylates** Naveen Jothimani, National Taiwan Normal University
SAT-PS1-245 P4-0086	**Phosphine-Catalyzed Annulation Reactions of MBH-adducts and Cyclohexane-1,3-dione: Synthesis of Oxepine and Spiro-Derivatives** Durga Prasad Gurram, National Taiwan Normal University
SAT-PS1-246 P4-0087	**Synthesis of 4-(3-Indolyl) Tetrahydroquinolines via (4+2) Annulation by ortho-Aminophenyl Sulfonyl Indole Derivative** Pei-Shan Wu, National Taiwan Normal University
SAT-PS1-247 P4-0088	**Synthesis of Heterobiaryls via [4+2] Annulation by Sulfonyl Indole Derivatives and 2-arylidene-1,3-indandiones** Yueh-Hsun Kuo, National Taiwan Normal University
SAT-PS1-248 P4-0089	**The [4+3] Cycloaddition of Novel Sulfonyl Derivatives with N-(Benzyloxy)-2-bromoacetamide for the Synthesis of Cyclohexenone and Oxazaazepinone Derivatives** Yi-Yun Hung, National Taiwan Normal University
SAT-PS1-249 P4-0090	**Design and Synthesis of Pyrazolo[1,5-a]pyridine-Based Fluorescent Sensors for Selective Metal-Ion Detection** Meng-Yu Chan, National Taitung University
SAT-PS1-250 P4-0091	**Palladium-Catalyzed ortho C–H Activation/Aroylation of 7-Arylpyrazolo[1,5-a]pyridines: Synthesis of 2-Benzophenone- Substituted Pyrazolo[1,5-a]pyridines** Ching Cheng Chuang, National Taitung University
SAT-PS1-251 P4-0092	**7NHAc3VPQ: A Water-Compatible Quinoline Ratiometric Fluorescent Probe for Rapid Esterase Activity Readout** Yi-Jhen Jow, Chung-Shan Medical University
SAT-PS1-252 P4-0093	**Phosphine-Catalyzed [4 + 4] and [3 + 2] Double Annulation of Indole N-alkynamides with Ynones: Direct Synthesis of Fused-Eight and Spiro-Five Membered Pyrroloquinolinones** Raghunath Walunj, National Taiwan Normal University
SAT-PS1-253 P4-0095	**Synthesis and Structure-Activity Relationship Study of 5,5'-Methylenedisalicylic acid (MDSA) analogues as Malic Enzyme 2 (ME2) Inhibitors** Yu Ching Chien, National Health Research Institutes
SAT-PS1-254 P4-0096	**Tuning Oxidative Cyclodehydrogenation toward Partially and Fully Fused Nanographenes** Jun-Shen Lu, Kaohsiung Medical University
SAT-PS1-255 P4-0097	**A Dinitrophenylsulfonate-Caged Quinolinium Fluorophore for Selective Turn-On Detection of Hydrogen Sulfide** Wei Zhang, Chung Shan Medical University
SAT-PS1-256 P4-0098	**A Dicyanochromene-Based Fluorogenic Probe for Fluorescent Sensing of Hydrogen Sulfide** Yi-tyng Chang, 中山醫學大學

SAT-PS1-257 P4-0099	**Optimization of Troponoid-Mediated Radical Polymerization via Substituent Effects** Ruo Syuan Wang, National Taiwan University
SAT-PS1-258 P4-0100	**NIS/I_2-Promoted Intramolecular Iodolactonization of Aryl-Substituted Alkenoic Acids to Form γ-Lactones** 蘇緯謄 , National University of Kaohsiung
SAT-PS1-259 P4-0101	**Electrochemical Reduction of Phosphine Oxides Enables Sustainable Phosphine-Catalysis for the Synthesis of Heterocycles and Alkenes** Weifang Liao, National Taiwan Normal University
SAT-PS1-260 P4-0102	**Synthesis and Development of Di-Stereocenters Kinase Inhibitors** Sheng-Kuo Lin, 國家衛生研究院
SAT-PS1-261 P4-0103	**Lactonization–Aromatization Tandems and Aromatization-Based Approaches toward Aromatic Compounds** 周承寬 , National University of Kaohsiung
SAT-PS1-262 P4-0107	**Using Bay-Region-Substituted Diquinoline Derivatives as Molecular Balances to Evaluate the Effect of Fluorination on π–π Stacking Interactions** Yin-Ju Lu, National Taipei University of Technology
SAT-PS1-263 P4-0108	**Synthesis of Dicyano-Substituted Chlorins and Bacteriochlorins for Application as Hole-Transport Materials and Passivators in Perovskite Solar Cells** Yan-Xun Li, 國立中興大學
SAT-PS1-264 P4-0109	**I2/K2S2O8-mediated Annulation of CF3-ynones and 2-amino Pyridines for the Synthesis of phenyl(2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl)methanone Derivatives** Vijay Thavasianandam Seenivasan, Kaohsiung Medical University
SAT-PS1-265 P4-0110	**Synthesis of Chlorido(5,10,15,20-tetraphenylporphyrinato)iron(III) Bearing a BINOL-amide Substituent** Jin-Guo Wu, 國立中興大學
SAT-PS1-266 P4-0111	**Decoding the Multi-Dimensional Complexity of Glycosylation Reaction via Machine Learning** Fizza Sabbor, Academia Sinica
SAT-PS1-267 P4-0112	**Correlating Reactivity and Stereoselectivity of Disaccharide Donors in Glycosylation Reactions** Sefunmi Peace Akinseye, Academia Sinica
SAT-PS1-268 P4-0113	**Synthesis of Fluorinated ONO-Type Pincer Ligands and Their Copper(II) Complexes** Chen-Ying Lee, National Taipei University of Technology
SAT-PS1-269 P4-0114	**Design and Synthesis of Novel Malic Enzyme 2 Inhibitors for Acute Myeloid Leukemia Therapy** Shiun-An Yang, 國家衛生研究院
SAT-PS1-270 P4-0115	**Visible Light Photoredox-Catalyzed Difunctionalization of Electron-Deficient Alkenes with Tert-Butyl Nitrite: Oxocarboxylic Acid as an Acyl Source** Tamilselvan Duraisamy, National University of Kaohsiung
SAT-PS1-271 P4-0116	**Development of New PSMA-Targeted PET Imaging Probe via a Novel 2-Cyanopyrimidinothiazole (CPIT)/1,2-Aminothiol Click Reaction** Karthik Kalidass, National Dong Hwa university
SAT-PS1-272 P4-0117	**Selectivity Prediction of Post-Transition-State Bifurcation Controlled Nucleophilic Attack on α-Bromoacetophenones** Wan Chi Hong, 靜宜大學
SAT-PS1-273 P4-0118	**Mild and Metal-Free Conversion of Ether-Derived Epoxides into Cyclic Carbonates via In Situ tert-Butyl Carbonate Generation from Boc_2O** Meng Hsia Tsai, 國立中興大學

SAT-PS1-274 P4-0119	**Optical Switching Controls of Photoluminescence behaviors in DPAC-Based Macrocyclic and Polymeric Systems via Diarylethene Photoisomerizations** Yi-Ni Jhang, 國立陽明交通大學
SAT-PS1-275 P4-0120	**Applicability of Emulsifier Raw Materials from PET Chemical Recycling** Guan-Yu Chen, CPC Corporation Refining & Manufacturing Research Institute
SAT-PS1-276 P4-0121	**Synthesis and Characterization of Carbazolephanediene Molecules and Their Linear Polymers with Aggregation Induced Emission and Photoisomerization Characteristics** Pei Ju Chen, National Taiwan University of Science and Technology
SAT-PS1-277 P4-0122	**Study on the Bioactive Compounds from Streptomyces Albogriseolus, A Symbiotic Bacterium of the Sponge Lendenfeldia Species** YunTing Zeng, 國立中山大學
SAT-PS1-278 P4-0123	**Sarcoglaucone A, A Novel Sarsolenane-Related Diterpenoid from the Soft Coral Sarcophyton Glaucum** Yuewen Chuang, National Sun Yat-sen University
SAT-PS1-279 P4-0124	**Mechanochemistry-Enabled Selective Amide N–C Bond Cleavage and [3,3]-Sigmatropic Rearrangement** Chetan Naik Sugali, Kaohsiung Medical University
SAT-PS1-280 P4-0125	**Metal-Free Chemoselective Amide Bond Cleavage for the Synthesis of N-Acyl Sulfoximines in Batch and Flow** Nian-Qi Chen, 高雄醫學大學
SAT-PS1-281 P4-0126	**Stress-Induced Modulation of Bioactive Secondary Metabolites in Briareum Stechei** Chih Kai Hsu, 國立中山大學
SAT-PS1-282 P4-0127	**Tandem Ultrasound and Integrated Continuous-Flow Strategy for the Sustainable Synthesis of Polyfluorinated Pyrimido[1,2 a]benzimidazoles** Jia-Yang Shao, Kaohsiung Medical University
SAT-PS1-283 P4-0128	**Photoenolization of α,β-Unsaturated Esters Enables Enantioselective Contra-Thermodynamic Positional Isomerization to α-Tertiary β,γ-Alkenyl Esters** Hung-Hsuan Chiu, National Sun Yat-sen University
SAT-PS1-284 P4-0129	**CBr4-Mediated Metal-Free Sulfonamide Synthesis: A Comparative Study under Batch, Ultrasonic, and Continuous-Flow Conditions** YuChen Lin, 高雄醫學大學
SAT-PS1-285 P4-0130	**First Total Synthesis of Tamaractam Through Cascade Radical 1,4-Aryl Migration** Yu-Tong Huang, Fu Jen Catholic University
SAT-PS1-286 P4-0131	**Monosulfonated Histidine Bifunctional Tag-Aided Chemical Synthesis of N-terminally Tagged insulin** Chun-Jui Chang, NCKU
SAT-PS1-287 P4-0132	**Palladium-Catalyzed Aminoazidation of Homoallylic Azides toward Vicinal 1,2-Diamines** Peilin Hsu, National Kaohsiung Normal University
SAT-PS1-288 P4-0133	**Fluorine-Substituted D–A'–π–A Structured Organic Dyes for Photocatalytic Water Splitting** Yu-Tong Hung, 東海大學
SAT-PS1-289 P4-0134	**Phenothiazine-based A-D-A Photocatalysts for Hydrogen Evolution** YuHsuan Lin, Tunghai University
SAT-PS1-290 P4-0135	**Modification and Application of Carbon Fixation Materials** Chih Yung Tsai, cpc
SAT-PS1-291 P4-0136	**Strain-Release Diversification of 1-Azabicyclobutanes via Bromide/Nickel Relay Catalyzed 1,3-Bis-Carbofunctionalization** Yi-Hua Lee, National Sun Yat-sen University

SAT-PS1-292 P4-0137	Rh(III)-Catalyzed [4+2] Annulation of Imidazoles with α-Diazocarbonyl Compounds: Direct Access to π-Conjugated Imidazole-fused Isoquinolinone Huy Duc Le, National Yang Ming Chiao Tung University
SAT-PS1-293 P4-0138	Polar-functional-group-decorated Metal-Organic and Covalent Organic Frameworks for CO2 and Hydrocarbon Separations Rajeshkumar Anbazhagan, National Cheng Kung University
SAT-PS1-294 P4-0139	A Unified Synthetic Strategy for Aromatic Heterocyclic-Fused Decalins via Bicyclo[2.2.2]octenone Intermediates Yu-Chen Hung, 財團法人國家衛生研究院
SAT-PS1-295 P4-0140	Terpenoids from the Soft Coral Lobophytum crassum YiSyuan LEE, National Sun Yat-sen University
SAT-PS1-296 P4-0146	Application of Silver Ions Sensors in Solid-State Thin Film Detection Systems Jia-Jhan Wu, Chinese Culture University
SAT-PS1-297 P4-0147	Photo-Responsive Polymorphic Carboxamide-Based Molecules for Information Encryption Chin-Han Lee, Academia Sinica
SAT-PS1-298 P4-0148	A Modular Microfluidic Platform for the Rapid Bottom-Up Synthesis of Block Copolymers Reynaldo Carlos Kuizon Montalbo, Academia Sinica
SAT-PS1-299 P4-0149	Perfluoroalkyl Chain Influence on Photophysical Properties and Molecular Packing of Fluorophores Shirisha Chettukindhi, National Dong Hwa University
SAT-PS1-300 P4-0150	m-DFDNB-Mediated Thiol and Amine Macrocyclization Enabling Mono- and Multicyclic Peptide Formation Min-Sheng Chang, 國立成功大學
SAT-PS1-301 P4-0151	Discovery of DYRK1A inhibitors as a Potential Treatment of Alzheimer's Disease via Suppression of Tau Protein Phosphorylation Yu-Xiang Zhang-Jian, 國家衛生研究院
SAT-PS1-302 P4-0152	Multi-Amino Triarylamines for Electrochromic and Electrofluorochromic Applications with Exceptional Stability and Extraordinary Fluorescence Modulation Ming-Hui Kang, National Taiwan University
SAT-PS1-303 P5-0001	Advanced SWATH-MS for Comprehensive Profiling and Retrospective Adulteration Analysis in Salvia Miltiorrhiza Yi-Feng Zheng, Institute of Molecular Biology
SAT-PS1-304 P5-0002	Bacterial ESCRT-III Protein-mediated Membrane Architecture: Effects of pH, Lipid Charge, and Calcium Samuel Herianto, Academia Sinica and National Taiwan University
SAT-PS1-305 P5-0003	Design and Synthesis of Near-Infrared Fluorescent Probes Using Human Serum Albumin as a Carrier Yu-Cing Wu, Fu Jen Catholic University
SAT-PS1-306 P5-0004	Metabolites Profiles of Coffee Leaves as Predictors of Chlorogenic Acid in Coffee Beans Using Advanced Integrating Full Scan and Data-Dependent Acquisition (IFSDDA) Chao-Yu Chen, National Chung Hsing University
SAT-PS1-307 P5-0005	Evaluation of the Anticancer Effects of Novel Curcumin Derivatives on Triple-Negative Breast Cancer Cells Nien-Yun Chuang, Tamkang University
SAT-PS1-308 P5-0006	Isolation and Dechlorination Characterization of a trans-DCE–Preferential Dehalococcoides mccartyi Strain Harboring Candidate RDase Genes Outside Known Orthologous Groups Shiori Nakamura, National Central University

SAT-PS1-309 P5-0007	**Chemical Separation, Characterization, and Quality Control Establishment of Bioactive Constituents from Anisomeles indica and Their Potential for Osteoarthritis (OA) Applications** Jun-Ming Mai, National Taitung University
SAT-PS1-310 P5-0008	**Impact of Ionized Species on Antioxidant Enhancement in Fabaceae Plants** Amrita Harikumar Vijayakumari,COIMBATORE INDIA
SAT-PS1-311 P5-0009	**Understanding the Sequence Determinants of NRPS Thioesterase Function** Ya-Rong Chen, National Taiwan University
SAT-PS1-312 P5-0010	**Design of α-Helical Peptides as Artificial Hydrolases and Peroxidases** Guan-Ting Chen, 國立清華大學
SAT-PS1-313 P5-0011	**Design of Double-stranded and Cyclic Collagen Peptides for Detecting and Refolding Denatured Collagen** Ching-Tung Hsu, 國立清華大學
SAT-PS1-314 P5-0012	**Lu-177 Radiotherapy with Upconversion Nanoparticles Targeting c-MET Pathway in Head and Neck Squamous Cell Carcinoma** Kai-Hung Lin, National Yang Ming Chiao Tung University, Taipei 112, Taiwan.
SAT-PS1-315 P5-0013	**Drug Efficacy Assessment of pH-Responsive ManBC60@G5Dox in MDA-MB-231 Cell Line** YI-Cheng Wang, 國立中興大學
SAT-PS1-316 P5-0014	**Using an Environmentally Sensitive Fluorescence Probe to Monitor Structural Dynamics of FUS Protein Condensates** Chang-Shun Tsai, 中央研究院
SAT-PS1-317 P5-0015	**Fluorescent Nanodiamonds Enable High-performance Cortisol Immunoassays** Yun-Shan Yeh, Academia Sinica
SAT-PS1-318 P5-0016	**Chemoenzymatic Synthesis of Maleimide-Functionalized Lewis Antigens** Hao-En Sun, National Tsing Hua University
SAT-PS1-319 P5-0017	**Preparation and Derivatization of the N-Glycan Core Pentasaccharide** Yi-Tien Tsai, National Tsing Hua University
SAT-PS1-320 P5-0018	**Theranostic FePt@CuS Nanoplatform Integrating Photothermal, Photodynamic and Chemodynamic Therapy with MRI Imaging for Enhanced Anticancer Efficacy** Chi-Ying Lin, 國立陽明交通大學
SAT-PS1-321 P5-0019	**Covalent and Oriented Antibody Immobilization via Glycan Engineering** Ke-Hong Lyu, National Tsing Hua University
SAT-PS1-322 P5-0020	**Development of Anti-Biological Adhesion Polymer Coatings with Long-Term Anti-Coagulation Efficacy** Tsung-Tao Huang, National Center for Instrumentation Research, National Institutes of Applied Research
SAT-PS1-323 P5-0021	**Investigating Soluble Protein Tags for Calcitonin Aggregation Inhibition** Po-Chun Cheng, National Taiwan Normal University
SAT-PS1-324 P5-0022	**Thermoresponsive Dual-Functional Gelatin Hydrogels for Inhibition of Human Calcitonin Amyloid Formation** Yun-Hsuan Chen, National Taiwan Normal University
SAT-PS1-325 P5-0024	**A Microfluidic Loop-Mediated Isothermal Amplification-on-a-chip Platform with App-assisted Colorimetric Interpretation for On-site Pathogen Detection** Yu-Fei Huang, National Taiwan Normal University
SAT-PS1-326 P5-0025	**Carbon nanodots cross-linked enzyme of γ-glutamyltranspeptidase from Bacillus licheniformis : An Efficient and Stable Biocatalyst** Yu-Huei Lin, 國立嘉義大學
SAT-PS1-327 P5-0026	**ACE2-expressing Membrane-camouflaged Copper Nanoparticle For Decoying and Killing SARS-CoV-2** Pooja Aich, Kaohsiung Medical University

SAT-PS1-328 P5-0027	**Proteomic Analysis of Naturally Processed Coffee Beans During the Roasting Process** Dun-Xuan Wang, National Chiayi University
SAT-PS1-329 P5-0028	**Development of Fluorogenic Photolabile Chelators for Spatiotemporal Control of Bio-related Metal Release** Zih-Jheng Lin, National Taiwan Univeristy
SAT-PS1-330 P5-0029	**Chemical Constituents and Activities of the New Indigenous Trichoderma Strain T. orarium 18F0055 from Taiwan** Miao Hsuan Chen, 輔仁大學
SAT-PS1-331 P5-0030	**Identification of an Optimal Carrier Protein for Cell Surface Display of Dehalogenases toward the Biodegradation of Halogenated Organic Compounds** Yi-Chen Chen, National Taiwan Normal University
SAT-PS1-332 P5-0031	**Development of Dual-Functional Copolymers Incorporating Trehalose and Boronic Acid for Targeted Antibiotic Delivery** Ha-Lac Tran, National Chung Hsing University
SAT-PS1-333 P5-0032	**Synthesis and Evaluation of Thiogalactoside-Derived Galectin-4 Inhibitors** Pei Hsuan Chen, National Taiwan University
SAT-PS1-334 P5-0033	**A Genetically Encoded Gas-Phase Chemical Probe: Tuning the McLafferty Rearrangement for Protein Topology Analysis** Yu Chen Ku, National Taiwan Normal University
SAT-PS1-335 P5-0034	**Hierarchical Protein Micro-Nanostructures Fabricated by a Polyelectrolyte-Based Pattern Transfer Technique for Cancer Cell Migration Studies** Hsing-Ting Wang, 國立成功大學
SAT-PS1-336 P5-0035	**Logic-Gated Whole-Cell Biosensor Enables Sensitive and Portable Mercury Ion Detection** Yun-Zhen Hsieh, National Taiwan Normal University
SAT-PS1-337 P5-0036	**Protein Engineering of Microcin J25 for Biosynthetic Pathway Analysis and Purification Optimization** Hsiao-Wei Liu, National Taiwan University
SAT-PS1-338 P5-0037	**Engineering Long-Range Ionogels for Durable Wearable Ionotronic Health-Care Systems** Kawinnapat Pimsorn, National Taipei University of Technology
SAT-PS1-339 P5-0038	**UV-Crosslinked Silk Fibroin–Alginate Double-Network Hydrogels for Advanced Biomedical Applications** Tsai Yuan Shih, National Taipei University of Technology
SAT-PS1-340 P5-0039	**Proteomic Signatures Underlying Quality Differences in Green Coffee Beans from Distinct Postharvest Processing Methods** Tai-Wei Wu, National Chiayi University
SAT-PS1-341 P5-0040	**Gd_2O_3:Yb,Er@SiO2@DOX@FA Nanoplatform for Dual-Mode NIR-II/MRI Imaging and Synergistic Chemoradiotherapy of Breast Cancer** Shih-Yun Peng, National Yang Ming Chiao Tung University
SAT-PS1-342 P5-0041	**AI-Driven Lead Optimization of Aryl Hydrocarbon Receptor (AhR) Antagonists** Shih-Chieh Yen, 財團法人生物技術開發中心
SAT-PS1-343 P5-0043	**Design and Synthesis of Mannose-6-Phosphate Derivatives for Lysosomal Enzyme Delivery for Fabry disease** Lakshmi Priya Lakshmi Kandhan, National Chung Hsing University
SAT-PS1-344 P5-0044	**A Small-Molecule Therapeutic Probe for Rapid Tumor Visualization and Photodynamic Cleanup** Pei-Ting Weng, National Chung Hsing University

SAT-PS1-345 P5-0045	Design and Development of Bifunctional Covalent Allosteric Modulators: Toward Next-Generation Enzyme Stabilization and Therapeutic Modulation Hong-Hsing Chen, Tunghai university
SAT-PS1-346 P5-0046	Novel Strategy for Antibody-Oligonucleotide Conjugates (AOCs) Mo-Yuan Shen, Development center for Biotechnology
SAT-PS1-347 P5-0047	Synthesis of Nitrilotriacetic Acid Probe for Covalent and Oriented Antibody Immobilization on Magnetic Nanoparticles BoYu Yen, National Tsing Hua University
SAT-PS1-348 P5-0048	Polyvinyl Alcohol Combined with Konjac Glucomannan Incorporating Cerium Dioxide Nanoparticles and ε-poly-lysine with Antioxidant and Antibacterial Function for Wound Dressing Szu-Lun Chen, National Taipei University of Technology
SAT-PS1-349 P5-0049	Multiplexed Single-Cell Proteomic Profiling by a Miniaturized Chip and Isotopic Labeling Cassie Zhou, Academia Sinica
SAT-PS1-350 P5-0050	Chemoenzymatic Synthesis of Gangliosides Ming-Ru Wei, National Tsing Hua University
SAT-PS1-351 P5-0051	Development and Application of Acridine-Based Fluorophore BAA12C as a Theranostic Agent Ryan Liou, National Chung Hsing University
SAT-PS1-352 P5-0052	Coordination-Bond-Enhanced Toughness and Conductivity in PBX-Fe Hydrogels for Human Motion Sensing Chen-Chang Hung, National Taipei University of Technology
SAT-PS1-353 P5-0053	Alditols in Complexing with Boronophenyl Alanine for Improving Aqueous Solubility for Boron Neutron Capture Therapy Chung-Shan Yu, National Tsinghua University
SAT-PS1-354 P5-0054	A novel DNA Molecular Sensor for Detecting Trace Amounts of miRNA in Matrices Zhe An Yi, Institution of Toxicology
SAT-PS1-355 P5-0055	Rare-Earth Modification for Enhanced Antibacterial Performance in Self-Healing Hydrogel Sensing Application Pei-Yu Hu, National Taipei University of Technology
SAT-PS1-356 P5-0056	A Versatile Heteroatom Nucleophile Hub Enabling Divergent Thiol and Amine Bioconjugate Synthesis Sheng-Yao Chen, 國立成功大學
SAT-PS1-357 P5-0057	A Photocage Strategy to Spatiotemporally Control and Track Release of Mitochondrial Uncoupler Pei-Chen Kuo, 台灣大學
SAT-PS1-358 P5-0058	Development of Spatiotemporal and Photo-triggerable for Ferroptosis Induction Cheng-Yu Fang, National Taiwan Uiversity
SAT-PS1-359 P5-0060	Comparative Phenotypic Assessment of hADSCs Cultured on the Surface of Photocurable PEGDA/GelMA/HAMA Hybrid Hydrogels Pavanchandh Atturu, Kaohsiung Medical University
SAT-PS1-360 P5-0061	Protein Language Model-Based Interpretable Deep Neural Network for Predicting Allergenic Proteins Bo-Xun Zheng, National Central University
SAT-PS1-361 P5-0062	Gel Fluorescence-Guided LC–MS/MS Workflow for Identification of Novel Catechol Estrogen–Derived Protein Adducts Shu-Jung Hsu, 國立成功大學
SAT-PS1-362 P5-0063	Chemical Modifications of glycoproteins to Enhance a Ligand Receptor-Mediated Uptake Efficiency Ming-Hsiang Cheng, Academia Sinica

SAT-PS1-363 P5-0064	A GelMA/HAMA/PEGDA Hybrid Hydrogel Platform for Evaluating Extracellular Vesicle Cargo Suhana ., Kaohsiung Medical University
SAT-PS1-364 P5-0065	Preparation of Glycosyl-Based Self-Immolative Nano-Carriers for Drug Release Peng Su, 國立中興大學
SAT-PS1-365 P5-0066	Development of a Genetically Encodable Tag for Protein Turn-On Fluorescence Labeling Tsung Jung Yang, National Taiwan University
SAT-PS1-366 P5-0067	Novel Diacridine Derivatives: Unveiling Innovative Interconnection with Double-Stranded DNA Hsiang-Chi Lee, Graduate Institute of Genomics and Bioinformatics, National Chung Hsing University, Taichung 402, Taiwan
SAT-PS1-367 P5-0068	Discovery of the Novel Surrogate Marker of Heparan Sulfate and Use of It for Establishing a Cellular Phenotypic Assay Platform for MPS Studies Wei-Chieh Cheng, Academia Sinica
SAT-PS1-368 P5-0069	Antibody–Protein Conjugates for MPS II: Development of IDS-Anti-Transferrin Receptor Hybrids Ru-Wei Luo, Academia Sinica
SAT-PS1-369 P5-0070	Inter-subunit Catalysis Drives Bifunctional Fucose Transfer via Dynamic Loop Coupling Jhen-Yi Hong, 中興大學
SAT-PS1-370 P5-0071	Structural Basis of Quinoxaline-Acridine Asymmetric Bis-Intercalators That Bi-Target Topoisomerase I and Oncogene Transcription Shun-Ching Wang, 國立中興大學
SAT-PS1-371 P5-0072	Protein Analysis Using a Cysteine-Specific Backbone Cleavage Reagent Yude Chuang, 國立臺灣大學
SAT-PS1-372 P5-0073	Structural Locking of Pathogenic DNA Hairpins by Spermine Suppresses Toxic RNA Transcription in Spinocerebellar Ataxia 36 Yu Zhu Huang, National Chung Hsing University
SAT-PS1-373 P5-0074	Structural Simplification Strategy: Developing Low-Toxicity Monocyclic Iminosugars for Glycoprotein Surface Modifications Tzu-Yu Lu, Academia Sinica
SAT-PS1-374 P5-0075	Multi Photon Fluorescent Profiling of Localized Mitochondrial Viscosity in Alzheimer Disease Model Pradeep Kumar, TAIPEI MEDICAL UNIVERSITY
SAT-PS1-375 P5-0076	NDI-Alkyne Derivatives Targeting c-MYC G-Quadruplex for Selective Cancer Therapy Sankar Panthi, National Chung Hsing University
SAT-PS1-376 P5-0077	Characterization of the DNA-binding Affinity and Structural Dynamics of Novel 1,8-naphthalimide and Acridine Conjugates as Potential Anticancer Agents Cian-Li Wei, National Chung Hsing University
SAT-PS1-377 P5-0078	Sandwiching Conductive Graphene by Gold Surface and Electroactive Membrane to Fabricate the Multi-Layered Nanocomposites for Bioelectrochemical and Biomedical Applications Yu-Ting Lin, 高雄醫學大學
SAT-PS1-378 P5-0079	Comparative Metabolite Profiling of Perilla frutescens Leaves Across Different Altitudes Ling-Yu Wang, National Chiayi University
SAT-PS1-379 P5-0080	NMR-based Metabolic Profiling of Central Nervous System Germ Cell Tumors (CNS GCTs) Under Different Doses of Radiation Therapy Pei Lian Li, National Chung Cheng University
SAT-PS1-380 P5-0081	Time-Resolved Serial Millisecond Crystallography for CraCRY Structure Determination at Synchrotrons Kai-Chi Chuang, National Taiwan University

SAT-PS1-381 P5-0082	**Pharmacological and Transcriptomic Validation of bLF-Induced S/G Phase Arrest and p38-MAPK-Mediated Apoptosis in NSCLC** Muhammad Sufian, National Chung Hsing University
SAT-PS1-382 P5-0083	**A Dual-Functional Lecithin-Coated Nano-assembly for Microglial Modulation in Alzheimer's Disease Therapy** Shilpa Kumari, Taipei Medical University
SAT-PS1-383 P5-0084	**ROS Generation of Upconversion Nanocomposite Liposomes under Near-Infrared Light Stimulation** Yi Ying-Ping, National University of Kaohsiung
SAT-PS1-384 P5-0085	**Loop-Gated Substrate Recognition and Catalytic Control in a Sugar-Modifying Methyltransferase from a Glycosylated Anticancer Natural Product Pathway** Cheng-Chih Ke, 國立成功大學
SAT-PS1-385 P5-0086	**An Integrated High-Throughput Platform for Indolocarbazole Diversification and Efficacy Profiling toward Kinase-Targeted Therapeutics** Chia-sheng Wang, national cheng kung university
SAT-PS1-386 P6-0001	**Flexible Energy Storage Device Synthesized with Novel Electrochromic Prussian Blue Electrode and Piezoelectric Self Charging Electrolyte** Yun-Liang Chen, Providence University
SAT-PS1-387 P6-0002	**Effects of Catalyst Loading and Temperature on the Kinetics of Fructose Dehydration to 5-Hydroxymethylfurfural** Ruei-Chang Liao, CPC Corporation
SAT-PS1-388 P6-0003	**Inverse Vulcanization Synthesis of Sulfonate- and Quaternary Ammonium Salt-Functionalized Polysulfur for Investigating the Performance and properties of Lithium-Sulfur Battery Cathode Materials** Pin-Hsin Fang, 國立中山大學
SAT-PS1-389 P6-0004	**Self-Purifying Complex-Emulsion Microreactors: Cu-Catalyzed Click Chemistry via In Situ Product Crystallization** Chun-Yu Huang, 國立東華大學
SAT-PS1-390 P6-0005	**Highly Selective Photocatalytic Conversion of C1 to C2+ Hydrocarbons and H2 Evolution Using SbSI and SbSeI as Catalysts** Yu-Yun Lin, National Taichung University of Education
SAT-PS1-391 P6-0006	**Waste-to-Value Conversion of Garlic Peel into N, Co co-Doped Porous Carbon for Efficient Oxygen Evolution Electrocatalysis** Manjula Natesan, National Taipei University of Technology
SAT-PS1-392 P6-0007	**Toward Anode-less Lithium Metal Batteries Enabled by Garnet-Based Composite Polymer Electrolytes** Yuan-Ting Hung, 國立臺灣大學
SAT-PS1-393 P6-0008	**Regulating Carbon Monoxide and Format Selectivity on Silver-Based Catalysts under Industrial-Level Operation of CO2 Reduction Operation** Yu Cheng Liu, 國立陽明交通大學
SAT-PS1-394 P6-0009	**Green Synthesis of High-Performance Cu–Zn–Al Oxide Granular Catalysts for CO_2-to-Methanol Conversion** Zi Yu Yin, National Cheng Kung University
SAT-PS1-395 P6-0010	**Selenium-Incorporated Polymerized Nonfullerene Acceptors/SWCNT Composites with Polymer-Assisted n-Doping for High-Performance Organic Thermoelectrics** Chi-Chun Tseng, National Yang Ming Chiao Tung University
SAT-PS1-396 P6-0011	**Study on Performance and Regeneration of Fe-Al2O3 Granular Adsorbents for SO_2 Removal** Yi-Yuan Tseng, National Cheng Kung University

SAT-PS1-397 P6-0012	**Enhancement of Biogas Production in Anaerobic Digestion Using Natural Alkali Agent and Chemical Solvent Method** Ming-Feng Jang, National Atomic Research Institute
SAT-PS1-398 P6-0013	**2-Mercaptobenzimidazole Modified hydrophobic Ag Nanowire for Industrial CO2 Reduction to CO** Shuo-Peng Lin, national yang ming chiao tung university
SAT-PS1-399 P6-0014	**Exploring Surface States in BiVO4 Through Doping Strategy: Impact of Different Substitution Sites** Ting-Ting Chang, 國立臺灣大學
SAT-PS1-400 P6-0015	**Microwave-assisted Synthesis of Fluorescent Carbon Quantum Dots from Sodium Alginate and Glycine** Tzu-Yu Hsiao, National Taipei University of Technology
SAT-PS1-401 P6-0016	**Elucidating Nitrogen-Content-Dependent Properties of Noble-Metal-Like Tungsten Nitride (WNx) for Alkaline Electrochemical Nitrate Reduction** Hsin Kai Lee, National Taiwan University
SAT-PS1-402 P6-0017	**Artificial Hydrogenase Photocatalysts Based on Earth-Abundant Metals for Light-Driven Hydrogen Generation from Formic Acid** Yu-Chen Su, National Yang Ming Chiao Tung University
SAT-PS1-403 P6-0018	**Investigation of Potassium Salt Effects on the Electrical Conductivity of Polyvinyl Alcohol Conductive Hydrogels** Chien-Yin Lin, Chung Yuan Christian University
SAT-PS1-404 P6-0019	**Catalytic cROP, Closed-Loop Recycling, and Upcycling of Glucose-Derived Dehydropolysaccharides via Substituent Modulation** Tzuying Lee, 國立成功大學
SAT-PS1-405 P6-0020	**Bio-Catalytic Engineering of Aliphatic-Enriched Humic-Like Substances Through Yeast–MnO_2 Synergism: A Rapid and Sustainable Humification Strategy** Tsung-Hung Wu, National Chung Hsing University
SAT-PS1-406 P6-0021	**Hydrothermally Synthesized Carbon Quantum Dots for Fluorescent Detection of Lead and Nickel Ions in Water** Yu-Huei Hsiao, Chung Shan Medical University
SAT-PS1-407 P6-0022	**Electrochemical Sensing of Cobalt(II) Based on the Coordination Effect of Carbon Dots** Chih-Hsuan Chuang, Chung Shan Medical University
SAT-PS1-408 P6-0023	**Electrodeposited Solid-Solution Cu–Rh alloys for Electrochemical CO_2 Reduction** Yung Jung Chuang, National Tsing Hua University
SAT-PS1-409 P6-0024	**Optical Labeling with Artificial Intelligence Using Infrared-Responsive Functional Textiles** Yi-Ting Tsai, Academia Sinica
SAT-PS1-410 P6-0026	**Kesterite Cu2ZnSnS4 enables Electrocatalytic CO2 Reduction at High Current Densities** Kang Chi, National Yang Ming Chiao Tung University
SAT-PS1-411 P6-0027	**Co-production of Formate via Coupled CO_2 Reduction and Ethylene Glycol Oxidation Using Bismuth- and Cobalt-Based Catalysts** Ming Hsuan Li, National Yang Ming Chiao Tung University
SAT-PS1-412 P6-0028	**Preparation and Applications of Bio-Based Chemicals** You-Liang Tu, CPC Corporation, Taiwan
SAT-PS1-413 P6-0029	**MnO_2-Catalyzed Abiotic Humification: Mechanistic Insights from Experimental and DFT Studies of Catechol-Glycine-Methionine Polymerization** Mahmoud M.M. Ahmed, NCHU
SAT-PS1-414 P6-0030	**Investigation of Self-Healing and Adhesion Behaviors in Azobenzene-Based Composite Hydrogels** Peng Wen Chen, Chung Yuan Christian University

SAT-PS1-415 P6-0031	Anti-Crystallization Study of Ionic Liquids in Liquid Desiccant Systems Po-Hsuan HSIEH, Industrial Technology Research Institute
SAT-PS1-416 P6-0032	A Study on Oyster Shell-Based Lime Plaster: Realizing Waste Reutilization and Integration with Surface Coating and 3D Printing Technologies Yu Lun Yang, National Cheng Kung university
SAT-PS1-417 P6-0033	Azobenzene-Based Conductive Hydrogels with Reversible Coloration and Self-Healing Properties Chen-Shin Wang, Chung Yuan Christian University
SAT-PS1-418 P6-0034	Gadolinium-Modulated Electronic Structure of Copper-Based Catalysts for Enhanced C2 Product Selectivity in Electrochemical CO2 Reduction Reaction Cheng-Bin Lee, National Tsing-Hua University
SAT-PS1-419 P6-0035	Regulation of Hydrogen Evolution Reaction in Neutral Media via Third-Metal and Nitrogen Anion Doping in Cobalt–Nickel-Based Catalysts Yu-Chun Chen, National Tsing Hua University
SAT-PS1-420 P6-0036	Photocatalytic Hydrogen Evolution over Ni–Mo-Modified g-C_3N_4 Prepared by Photodeposition Yu-Hsien Wei, National Tsing Hua University
SAT-PS1-421 P6-0037	High-Valence Metals Improve Oxygen Evolution Reaction Performance By Modulating CoNi-based Catalyst Oxidation Cycle Energetics Chung-Fu Chiang, National Tsing-Hua University
SAT-PS1-422 P6-0038	Achieving Highly Efficient Carbon Dioxide Reduction in Photocatalysis by Controlling the Particle Size of Ag@ZIF-90 Hsiang-Chia Shu, 國立台北科技大學
SAT-PS1-423 P6-0039	Design and Development of Multifunctional Fluorescent Hydrogels: Self-Healing, Adhesive, and Conductive Properties Chen Wen Chun, Chung Yuan Christian University
SAT-PS1-424 P6-0040	Developing a Nanomaterial-Based Green Heating System for Chemical Reactions He Chiawen, 中國文化大學
SAT-PS1-425 P6-0041	Steering Electrochemical CO2 Reduction to High-Density Fuels via Decoration of Copper Oxide Catalyst with Oxophilic Al and Ce Metals Yusif Ahmed, Academia Sinica
SAT-PS1-426 P6-0042	Comparison of the Structure and Activity of Ketoreductases Tse-yu Chung, 生物技術開發中心
SAT-PS1-427 P6-0043	Green Synthesis of CoFe2O4/RGO Nanocomposites for Efficient Dye Adsorption from Industrial Wastewater He-Rong LIN, National Pingtung University
SAT-PS1-428 P6-0044	Properties and Performance of Polyvinyl Alcohol Conductive Hydrogels with Imidazolium-based Ionic Liquids Hsinyu Liu, Chung Yuan Christian University
SAT-PS1-429 P6-0046	Investigation of the Solubility Mechanism of Mangiferin and Its Application in Rapid Extraction 蕭筱蓁 , 嘉義大學
SAT-PS1-430 P6-0047	Lattice Oxygen Evolution Catalyzed by Mo-Doped FeCoNiOOH Chih-Ying Lin, National Tsing-Hua University
SAT-PS1-431 P6-0048	The Study of Nitrate Wastewater Conversion to Ammonia via Immersion-Type Vacuum Ultraviolet (VUV) Synergistic Hydrogenation Reaction Yu-Cheng Chiang, National Yunlin University of Science and Technology
SAT-PS1-432 P6-0049	Integration of HPLC–MS Analysis and Gold Nanoparticle Synthesis Using Metarhizium anisopliae Culture Broth for Pest-Control Applications Pei Shan Liao, National Chiayi University

SAT-PS1-433 P6-0050	**Preparation, Characterization, and Physical Property Studies of Polyetheretherketone (PEEK) Polymer/Biomass Carbon Composite Materials** Tsung-Cheng Tsai, 中原大學
SAT-PS1-434 P6-0051	**Large-Scale Automated Synthesis of Ag_2S Quantum Dots via Flow Reactor: A Comparative Study with Batch Synthesis** Kai-Chun Hsu, Academia Sinica
SAT-PS1-435 P6-0052	**Investigation of the Mechanisms Underlying PFOA Reduction Induced by Hydrated Electrons in an Submerged Vacuum Ultraviolet (VUV) System** Yen-Yu Tsai, 國立雲林科技大學
SAT-PS1-436 P6-0053	**Converting Agricultural Waste into Hard Carbon via Self-Deoxygenating Activation Method and Its Application in Sodium-Ion Batteries** Po-Hsuan Wu, 國立成功大學
SAT-PS1-437 P6-0054	**Atomically Dispersed Cerium on Nitrogen doped Graphene Oxide for Enhanced Carbon Dioxide Electroreduction Performance** Yu-Chieh Huang, National Taiwan University
SAT-PS1-438 P6-0055	**Diluent-Free Photocurable Recycling Strategy: Utilizing Degraded Itaconic Acid Vitrimer Liquids as Reactive Crosslinkers for Bio-Based Unsaturated Polyesters** Chu Ruei-Jing, 國立臺北科技大學
SAT-PS1-439 P6-0056	**Dopamine-Functionalized Ag2S Quantum Dots for Enhanced Bioimaging Application** Xianghong Lu, Academia Sinica
SAT-PS1-440 P6-0058	**Turning Biowaste into Treasure: Phosphorescent Transparent Keratin Films for Radiative Cooling with All-Day Optic-Thermal Management** Ching-Wen Hwang, National Tsing Hua University
SAT-PS1-441 P6-0059	**Preparation of Pd/WSe2 Composite for Photocatalytic Reduction Using Different Light Sources** You-Cian Lai, 靜宜大學
SAT-PS1-442 P6-0060	**Sustainable Synthesis of Furans: Batch vs Solvent-Free Mechanochemical Conversion of 1,3-Dicarbonyl Alkenes/Alkynes** Karthick Govindan, 高雄醫學大學
SAT-PS1-443 P6-0061	**Stretchable PEDOT:PSS Electrode With Multifunctional Electrolyte For Supercapacitor Application** Hung-En Yeh, Providence University
SAT-PS1-444 P6-0062	**Optimization of Ta3N5/n-Si Heterojunction Design in Photoelectrochemical Applications** Bo-Ying Lai, NTU
SAT-PS1-445 P6-0063	**Conjugated-Ligand Engineering to Modulate HER Kinetics in Metal–Organic Frameworks** Chenxi Tan, National Cheng Kung University
SAT-PS1-446 P6-0064	**Design and Synthesis of Pyridinium Salts with Tunable Electronic Properties as Efficient Catalysts for CO2 Cycloaddition** PingHsun Liu, 國立台灣大學
SAT-PS1-447 P6-0065	**Unveiling the Reaction Mechanism of Cobalt Single-Atom Catalysts during Electrochemical CO2 Reduction Reaction** Hsing-Wei Hsueh, National Taiwan University
SAT-PS1-448 P6-0068	**Electrophilic Trifluoromethylsulfinylation of NH-sulfoximines with N-trifluoromethylsulfinylphthalimide** Pushbaraj Palani, Kaohsiung Medical University
SAT-PS1-449 P6-0069	**Topology-Engineered Hyperbranched Triphenylamine-Based Polyamide for Dual-Functional Electrochromic and High-Durability Energy Storage Applications** William Sun, National Taiwan University

SAT-PS1-450 P6-0070	**Preparation of Non-Conventional Fluorescent Polymer Dots via Hydrothermal Method as Chemical Sensors for Detecting Heavy Metals in the Environment** Chieh Yi Kao, China Medical University
SAT-PS1-451 P6-0071	**Molecular Engineering of Triarylamine Polymers for Multifunctional Optoelectrochemical and Energy-Related Applications** Xian-Han Xia, National Taiwan University
SAT-PS1-452 P6-0072	**Flexible and Skin-Friendly Pulse Sensors Enabled by Camphor-Derived Green Graphene** Chiao-Deng Yeoh, Chung Yuan Christian University
SAT-PS1-453 P6-0073	**Upcycling of Condensation Plastics to Transform Monomers and Multifunctional Carbon Quantum Dots via Green Process** Chen-Yu Li, National University of Kaohsiung
SAT-PS1-454 P6-0074	**Photocatalytic CO2 Hydrogenation to Formic Acid Using Ruthenium Acriphos Complex in DMSO** Teng-Kai Yu, National Yang Ming Chiao Tung University

Poster Session 2

Posting Time: 08:00-09:00, March 8th (GMT+8)

Presentation Time: 09:45-11:00, March 8th (GMT+8)

Removal Time: 14:00-15:00, March 8th (GMT+8)

SUN-PS2-001 P2-0001	A Computational Study of the Electron Detachment Energies of the TiO3– Anion Yung-Ching Chou, University of Taipei
SUN-PS2-002 P2-0003	DFT Investigation of CO_2 Reduction Reactoin on BN-Supported Single-Atom Catalysts Guanxing Chen, 中原大學
SUN-PS2-003 P2-0004	The Way Impedance Spectroscopy Bridges Material Properties and Device Performance Po-Kai Kung, National Chi Nan University
SUN-PS2-004 P2-0005	Phase-Resolved Raman Spectroscopy of Ferroelectric, Antiferroelectric, and Paraelectric SbSI and Photocatalytic CO2 Reduction Pathways via In-situ Raman Spectroscopy Tzu-Yu Tzeng, National Tsing Hua University, Hsinchu 30013, Taiwan
SUN-PS2-005 P2-0006	Triplet-State Dynamics and Energy Transfer of Hemicyanine Dyes DAPy and DAPy-I in Polymer Film and Solvent Huang Hao Chun, 國立清華大學
SUN-PS2-006 P2-0007	Investigation of Dynamic and Electronic Structure of New NIR-II Dyes by Fluorescence Optical Gating 許澤化 , 國立清華大學
SUN-PS2-007 P2-0009	High-Performance Mg–O2 Batteries Enabled by Electrospinning PVDF-HFP-based Quasi-Solid-State Polymer Electrolyte Vasantan Rasupillai Dharmaraj, National Taiwan University
SUN-PS2-008 P2-0010	Interplay Between Solvent Environment and Electronic Substitution on the Excited-State Dynamics of iron(II) Tris-Bipyridine Complexes Chin-Chia Ho, National Sun Yat-sen University
SUN-PS2-009 P2-0011	Quasi-Solid-State Polymer Electrolyte with a Room Temperature Conductivity of 2.6 mS cm–1 for Long-Life Rechargeable Mg–O2 Batteries Ayan Sarkar, National Taiwan University
SUN-PS2-010 P2-0012	Mechanistic Insights into Excitation Energy Transfer in Red Algal Phycobilisomes Yun-Chung Yang, National Taiwan University
SUN-PS2-011 P2-0013	Oxidative Evolution and Red-Shift of Oxygen Quantum Defects in Single-Walled Carbon Nanotubes Vo Minh Thuy, Institute of Atomic and Molecular Sciences
SUN-PS2-012 P2-0014	Anode Engineering Using Hybrid AlCl3/PTHF Coating for Enhanced Electrochemical Stability of Mg–O2 Batteries Yueh-An Wu, 國立臺灣大學
SUN-PS2-013 P2-0015	Using time-resolved Velocity Map Imaging Spectroscopy to Investigate Isotope Effects on the Roaming Pathway in the Photodissociation of H_2CO and D_2CO Jhih-Jie Huang, 國立中山大學
SUN-PS2-014 P2-0016	Creating Different Fluorescence Defects in Carbon Nanotube Structure Using Various Surfactants Ying Xuan Li, Academia Sinica
SUN-PS2-015 P2-0018	Halide-driven Modulation of Self-Trapped Exciton Emission in Mixed-Halide Cs2Ag0.6Na0.4In0.8Bi0.2Cl6-XBrX Double Perovskites Niwan Gunawardana, National Sun Yat-sen University

SUN-PS2-016 P2-0019	**Integrated Optical Photothermal Infrared, Fluorescence, and Raman Microscopy for Multimodal Chemical Imaging of Advanced Materials** Li-Wei Chou, National Sun Yat-sen University
SUN-PS2-017 P2-0020	**Probing Molecular Interactions in Deep Eutectic Solvents by Chemical Exchange Saturation Transfer (CEST) NMR** Yi Jou Chung, National Chung Cheng University
SUN-PS2-018 P2-0021	**Theoretical Study of the Photoelectron Spectra of Acetic Acid Using a Hybrid Model of Harmonic and Anharmonic Oscillators** Hsiang Hung Yao, National Taichung University of Education
SUN-PS2-019 P2-0022	**Theoretical Study of the Anion Photoelectron Spectrum of FCO2 −** Yu-De Leu, National Taichung University of Education
SUN-PS2-020 P2-0023	**Hierarchical Structural Analysis of G-quadruplex Supramolecular Hydrogels Using SWAXS-based Structural Modeling** Kuanhsuan Su, 國家同步輻射研究中心
SUN-PS2-021 P2-0024	**Theoretical Study of the Photoelectron Spectrum of pyridine N-oxide** Yue Sin Su, National Taichung University of Education
SUN-PS2-022 P2-0025	**Theoretical Study of the Photoelectron Spectrum of 4-cyanopyridine N-oxide** Yu-Han Lai, National Taichung University of Education
SUN-PS2-023 P2-0026	**The Effect of Protein-Enhanced Laccase-Like Activity of Copper Ions** Feng Hsien Liu, 天主教輔仁大學
SUN-PS2-024 P2-0027	**An Exceptional Water Stable (Cu-S)n Hydrogen-Bonded Organic Frameworks for Selective Detection of Glyphosate** Chia Ying Lee, 天主教輔仁大學
SUN-PS2-025 P2-0028	**Theoretical Study of the Photoelectron Spectrum of Pyrazine** Yen-Chun Wang, National Taichung University of Education
SUN-PS2-026 P2-0029	**Signal Differences of Various Lanthanide Metals in CEST** Yu-Jui Tung, National Chung Cheng University
SUN-PS2-027 P2-0030	**Unique Hyper-Raman Signal of Sugars in Phosphate-Buffered Saline** Yihsuan Chuang, 陽明交通大學
SUN-PS2-028 P2-0031	**Theoretical Study of the Photoelectron Spectra of Formic Acid and Its Deuterium Isotopologues Using a Hybrid Model of Harmonic and Anharmonic Oscillators** Chia-Yi Lai, National Taichung University of Education
SUN-PS2-029 P2-0032	**Plasmon-Enhanced Enantioselective Crystallization of Ethylenediamine Sulfate via Optical Trapping** Chia-Chi Chang, National Yang Ming Chiao Tung University
SUN-PS2-030 P2-0033	**Plasmonic Trapping-Induced Cocrystallization of Acetaminophen and L-Phenylalanine Using Gold Nanoparticles and Nanostructures** Qing Yu Zhang, National Yang Ming Chiao Tung University
SUN-PS2-031 P2-0034	**Enantiomer-Specific Control of Cocrystallization via Circular Polarization in Optical Trapping** Wen-Chi Wang, National Yang Ming Chiao Tung University
SUN-PS2-032 P2-0035	**Effect of Domain Swapping on Amyloid Fibril Formation of an Antibody Light Chain Investigated by Optical Trapping** Bing-Ru Lin, 陽明交通大學
SUN-PS2-033 P2-0036	**Silicon Nanoparticle-Mediated Optical Trapping Modulation of Enantioselectivity of Supramolecular Photocyclodimerization of 2-Anthracenecarboxylic Acid in the Presence of γ-Cyclodextrin** Chiao-Hsin Chen, National Yang Ming Chiao Tung University

SUN-PS2-034 P2-0037	Gold Nanoparticle Size-Dependent Enantioselective Switching in Chiral Crystallization of Sodium Chlorate via Optical Vortex Beams Yin-Shan Wang, National Yang Ming Chiao Tung University
SUN-PS2-035 P2-0038	Theoretical study of the photoelectron spectra of pyridazine, pyrimidine, 1,3,5-triazine, and sulfur dicyanide Chen-Chih Chang, National Taichung University of Education
SUN-PS2-036 P2-0039	Interfacial Synthesis of Cs2PtCl6 Perovskite for Strong Coupling with V4C3Tx MXene toward Efficient Hydrogen Evolution and Urea Oxidation Muhsin Punnoli, National Taiwan University
SUN-PS2-037 P2-0040	Ab Initio Molecular Dynamics and Raman Spectroscopic Study of Intermolecular Interactions in Phenol/Choline Chloride Deep Eutectic Solvent Chih-Chun Chang, National Chung Cheng University
SUN-PS2-038 P2-0041	Liquid Structures of ChCl-Cresol and Betaine-Carboxlic Acid Deep Eutectic Solvents Studied by Ab-Initio Molecular Dynamics Simulation and Raman Spectroscopy Yu Chih Huang, 國立中正大學
SUN-PS2-039 P2-0042	Theoretical Study of the Photoelectron Spectra of Three Substituted Pyridine N-oxides Yi-Xin Chen, National Taichung University of Education
SUN-PS2-040 P2-0043	Scar-reduction Wound Healing Effect of Natural Cyclic Peptide Mallotumide A May Be Facilitated by Inhibiting Integrins and Modulating Transforming Growth Factor Chia Hsin Yang, National Sun Yat-sen University
SUN-PS2-041 P2-0044	Theoretical Study of the Photoelectron Spectrum of 1,2,4,5-tetrazine Yiting Cai, National Taichung University of Education
SUN-PS2-042 P2-0045	Raman Characterization for Vibrations of Aqueous Methanediol and Its Oligomers Yuan-Pin Chang, National Sun Yat-sen University
SUN-PS2-043 P2-0046	Oxidative Aging and Transformation Mechanisms of Plastic Micro-Particles under Environmental Conditions Yu Chi Hsieh, 國立中山大學
SUN-PS2-044 P2-0047	Nonlinear Effect of Optical Trapping by Femtosecond Laser You-Cheng Huang, National Kaohsiung Normal University
SUN-PS2-045 P2-0048	A Dodecagonal Quasicrystal as a Tunable Metastable Junction: Regulating Competing Frank-Kasper Phases via Micellar Core Engineering Mayumi Egashira, National Taiwan University
SUN-PS2-046 P2-0049	Photocatalytic Degradation of Tetracycline Using Mg-ZnO@HNT Composite Materials Yang Shiang Ming, 國立中山大學
SUN-PS2-047 P2-0050	Atomic Force Microscopy Analysis of Skeletal Mechanical Properties of Different Coral Species Under Polyethylene Microplastic Exposure Yan Cih Lin, 國立中山大學
SUN-PS2-048 P2-0051	Tracking Conducting Oxygen Ions in Solid Oxide Fuel Cell Electrolytes by NAP-XPS Po-Chiao Li, 同步輻射研究中心
SUN-PS2-049 P2-0052	CO2 adsorption in Deep Eutectic Solvent (DES): Insights from Chemical Exchange Saturation Transfer (CEST) Hsiu-Ching Fan, National Chung Cheng University
SUN-PS2-050 P2-0053	Establishment of Ultrafast Chemical Exchange Saturation Transfer (UF-CEST) to Investigate Changes in Protein Expression Induced by Rapamycin and FBS in HepG2 cells Yu Jie Liu, National Chung Cheng University
SUN-PS2-051 P2-0054	Theoretical Study of the Photoelectron Spectrum of 4-methylpyridine N-oxide Ruo-yu Wang, National Taichung University of Education
SUN-PS2-052 P2-0055	Theoretical Study of the Photoelectron Spectrum of 4-nitropyridine N-oxide Yu-Chi Liu, National Taichung University of Education

SUN-PS2-053 P2-0056	**Structure and Dynamics of Cyclic Peptide S1 and Its Potential as Antagonist of Cancer Growth Driver CXCR4** Chun Wei Huang, National Sun Yat-sen University,NSYSU
SUN-PS2-054 P2-0057	**Wavelength-dependent Roaming Dynamics in the Photodissociation of Formaldehyde Probed by Time-Resolved Velocity Map Imaging** Inuri Rasangi De Silva, National Sun Yat Sen University
SUN-PS2-055 P2-0058	**Evaluation of Cyclic Peptide L1 as a Candidate Inhibitor of Chemokine Receptor CXCR4** Yu-Wen Peng, National Sun Yat-sen University
SUN-PS2-056 P2-0059	**Make Mangiferin Soluble in Water by Using a Food Additive as Solubilizer** Kuok Fai Li, National Chiayi University
SUN-PS2-057 P2-0060	**Understanding Retention and Effects of Carbon Quantum Dots in Sulfonated PVA Proton Exchange Membranes** Ming-Tse Lai, 國立中山大學
SUN-PS2-058 P2-0061	**Carbon Quantum Dots Synthesized from Citric Acid and Urea: Towards a Precise Mechanistic Understanding** Kuei-Miao Chen, 國立中山大學
SUN-PS2-059 P2-0062	**Using Polarization-Dependent 2D Electronic Spectroscopy to Reveal Hidden Vibronic Mixing in Photosynthesis System** Ting-Chien Ho, 台灣大學
SUN-PS2-060 P2-0063	**Nanosecond Pulsed Laser–Induced Ablation and Photofluorochromism of 4-Amino-4'-(N, N-dimethylamino)stilbene Microcrystals in Aqueous Solution** Meng-Chiao Tsai, National Taitung University
SUN-PS2-061 P2-0064	**The Absorption Measurement of a Single Plasmonic Nanoparticle** Yi-Chun Chen, National Kaohsiung Normal University
SUN-PS2-062 P2-0065	**Water Swelling Pristine and Modified Proton Exchange Membrane Nafion 117** Pohan Chen, National Sun Yat-sen Universit
SUN-PS2-063 P2-0066	**Laser-Triggered Fluorochromic Behavior in Single Crystal of Trans-4-(Dimethylamino)-4′ -Nitrostilbene (DANS)** Huang Qian-Yun, National Taitung University
SUN-PS2-064 P2-0067	**Nanoporous AAO-Based SERS Substrate for Sensitive Dopamine Detection in Complex Matrices** Xin-Yuan Lin, 國立中山大學
SUN-PS2-065 P2-0068	**A Theoretical Study on the Light-Harvesting Dynamics in the PSI–LHCI Supercomplex** Chiao-Yuan Hung, National Taiwan University
SUN-PS2-066 P2-0069	**Sub-Nanometer Carboxylate Zwitterionic Monolayer on Oxide-Free Silicon (111) via On-Surface Quaternization Reaction** Lin Yi Jen, China Medical University
SUN-PS2-067 P2-0070	**Creating Fluorescent Defects in Single-Walled Carbon Nanotubes by Sonochemistry** Han-Sheng Sun, Academia Sinica
SUN-PS2-068 P2-0071	**First-Principles Insights into Electrochemical Methanol Oxidation on Graphene-Supported Nickel Clusters with Varied Dopants (X = B, P, S, and Se)** Kai-Han Shao, Chinese Culture University
SUN-PS2-069 P2-0072	**High-Density Pt1–PTA Single-Atom Catalysts on Functionalized Carbon Nanotube Electrodes for Catalytic Mechanistic Studies** Ching-Hao Hsieh, National United University
SUN-PS2-070 P2-0073	**Mechanistic Insights into the Morphological Etching of Silver Nanoparticles by Oxidants and halide-like Ions** Zhi-Qing Zhang, 嘉義大學
SUN-PS2-071 P2-0074	**Effect of Molecular Structure on the Etching Resistance of Silver Nanoplates** Jun-Sheng Wu, National Chiayi University

SUN-PS2-072 P2-0075	**Explore the Conformational Space of Synthetic Amphiphiles by Hydration** Cheng Ku Cheng, 國立臺灣大學
SUN-PS2-073 P2-0076	**One-Step Photochemical Synthesis of Thermoresponsive Gold-Polymer Hybrid Nanogels with Tunable Morphologies and Catalytic Properties** Meng-Jie Wu, 中央研究院
SUN-PS2-074 P2-0077	**High-Density Pt/Ni Bimetallic Single-Atom Catalysts on Polyoxometalates for Enhanced Photocatalytic Hydrogen Evolution** Je-Wei Chang, National United University
SUN-PS2-075 P2-0078	**Design and Characterization of a High-Uniformity Continuous Flow Photoreactor: A Case Study of DTDCI Degradation for Kinetic Analysis by UV/H2O2 Advanced Oxidation Processes** Shao-En Lin, 國立清華大學
SUN-PS2-076 P2-0079	**Investigating the Dynamics of Human Serum Albumin at Different Chemical Denaturation Stages Using a Temperature-Jump Method** Pin Hsuan Chu, 國立清華大學
SUN-PS2-077 P2-0080	**Switching the Reactive Species upon Photolysis of Aerated Persulfate ($S_2O_8^{2-}$) Solution via pH Adjustment** Min-Cheng Hsieh, 國立清華大學
SUN-PS2-078 P2-0081	**Conformation-Guided Donor-Acceptor Coassembly into Hierarchical Lamellae with Molecular-Level Alternating Layers** Bing-Jun Zhong, National Taiwan University
SUN-PS2-079 P2-0082	**Field-Driven Asymmetry: Constructing Adaptive Funnel-Like Artificial Water Channels** Mao-Yan Wang, National Taiwan university
SUN-PS2-080 P2-0083	**G-quadruplex Topology Dictates the Binding Mode and Photophysical Mechanism of Thioflavin T** Yi-Ting Liao, 國立屏東大學
SUN-PS2-081 P2-0084	**Water-Mediated Electronic Modulation in Boron–Nitrogen Multi-Resonance TADF Emitters** ChenYu Lin, 國立臺灣大學
SUN-PS2-082 P2-0085	**Study the Competitive Mechanisms of Spontaneous Oxidation Reduction Reaction and Galvanic Replacement for Ag Nanoparticle-Based Chemical Reaction** Yong-Hong Huang, Chinese Culture University
SUN-PS2-083 P2-0086	**Probing the Mechanism of Single-Atom Catalysis with Pt1–PTA on Branched TiO_2** Hui-Yu Liu, National United University
SUN-PS2-084 P2-0087	**Molecular Length vs Reactivity for Room Temperature Formation Alkynyl Monolayer Formation on Hydrogen-Terminated Silicon** Wang Yi Han, China Medical University
SUN-PS2-085 P2-0088	**Nanoscale Quantum Sensing in Semiconductor Devices Enabled by Ultrathin Fluorescent Nanodiamonds Films** Yi-Mu Tsui, Academia Sinica
SUN-PS2-086 P2-0089	**DFT-Based Free-Energy Analysis and Complementary Pairing Strategy for CNT-Supported Cathode Catalysts in Li-Air Batteries** Yi-Chen Li, Chinese Culture University
SUN-PS2-087 P2-0090	**Unveiling the Acidity Flip and Proton Transfer Dynamics in the Three-Stage Nucleation of ZIF-8: An Integrated In-Situ SWAXS and Multiscale Simulation Study** Jyun-Hao Chen, National Tsing Hua University
SUN-PS2-088 P2-0091	**Machine Learning-Assisted Small- to Wide-Angle X-Ray Scattering Combined with Molecular Dynamics Simulation: A Demonstration via the ZIF-8 System** Shang-En Chung, National Tsing Hua University

SUN-PS2-089 P2-0092	**Kinetic Selectivity in Ligand-Induced G-quadruplex Folding: Studying the Structural Role of Flavonoids with Fluorescence Correlation Spectroscopy** Chia Hua Kuo, National Pingtung University
SUN-PS2-090 P2-0093	**Unveiling the Early-Stage Folding Dynamics of i-motif DNA by Fluorescence Lifetime Correlation Analysis** Shang Ti Lin, National Pingtung University
SUN-PS2-091 P2-0094	**Mechanistic Insights into the Three-Stage Nucleation and Growth of Donor-Functionalized MOFs via Operando X-ray Scattering Analysis** Po-CHen Wu, National Tsing Hua University
SUN-PS2-092 P2-0095	**Enhanced CO_2 Reduction Photocatalytic Performance of by Using Perovskite and Tin Sulfide Nanocrystal Heterojunction** Atul Hanmant Bhosale, National Yang Ming Chiao Tung University
SUN-PS2-093 P2-0096	**Brush Polymer Hydrogels as Architecturally Defined Polymer Networks** Guan-You Lin, National Taiwan University
SUN-PS2-094 P2-0097	**Atomic-Scale Site Engineering Switches HER and CO2RR on Cu/g-C3N4** Wan-Ting Chen, 國家同步輻射研究中心
SUN-PS2-095 P2-0098	**Synthesis and Characterization of Polyether-Based Magnetic Resonance Imaging Contrast Agents** Lian-Jun Chen, 中山大學
SUN-PS2-096 P3-0001	**The Elemental Analysis of RFCC Catalysts via Tetrafluoroboric Acid Microwave Digestion** Wei-Ting Chou, Refining & Manufacturing Research Institute, CPC Corporation, Taiwan
SUN-PS2-097 P3-0002	**Short-wave Near Infrared Hyperspectral Imaging for Single-Wall Carbon Nanotube-Based Biosensors** Ai-Phuong Nguyen, Institute of Atomic and molecular Sciences, Academia Sinica
SUN-PS2-098 P3-0005	**Application of LC-MS-Based Metabolomics and Proteomics for Bee Pollen Authentication and Food Fraud Prevention** Ya, Ting Pan, National Chung Hsing University
SUN-PS2-099 P3-0006	**Exploring Tb3+-mediated Interactions with Glutathione-Capped Gold Nanoclusters to Develop a Fluorophore-Modified Ratiometric Probe Toward Lactoferrin** Chun-Hsin Kuo, National Sun Yat-sen University
SUN-PS2-100 P3-0007	**SWATH-based Comparative Proteomic Analysis of Leaf Color Mutants at the Seedling Stage in Oryza Sativa** Han-Sheng Chiou, National Chung Hsing University
SUN-PS2-101 P3-0008	**Certification of Metabolites of Taiwan Oriental Beauty Oolong Tea** Wei-Chen Wang, 國立中興大學
SUN-PS2-102 P3-0009	**Trypsin-synthesized Gold Nanoparticles for Highly Selective Colorimetric Detection of Cartap** Chien-Yi Lin, 國立臺東大學
SUN-PS2-103 P3-0010	**A Flexible CO2 Gas Sensor Made of Amine-Modified Graphene Oxide and Polypyrrole Microparticles Composite Operating at Room-Temperature** Lai Yi-Hui, 中國文化大學
SUN-PS2-104 P3-0011	**One-pot Hydrothermal Synthesis of Carbon Dots as On-Off-On Fluorescent Probes for Sensitive Detection of Mercury(II) Ions and Cartap** Jui Hung Tseng, National Taitung University
SUN-PS2-105 P3-0012	**Analysis and Characterization of Aromatic Steranes in Petroleum** Chun-Chia Hsu, 台灣中油探採研究所
SUN-PS2-106 P3-0013	**Small-scale Extracellular Glycoproteomic Analysis Using Integrated Microfluidic Chip and Mass Spectrometry** Yibrehu Bogale Dibabe, Academia Sinica

SUN-PS2-107 P3-0014	Novel MIL-101(Fe)-NH_2@Tp-DAAQ Composite for Green Extraction and UHPLC-MS/MS Analysis of Endocrine Disruptors Yan-Zhen Chen, Fu Jen Catholic University
SUN-PS2-108 P3-0015	Electrochemical Sensor Based on a Deep Eutectic Solvent Molecularly Imprinted Polymer with Reduced Graphene Oxide for 5-Aminosalicylic Acid Detection An-Lun Liu, Soochow University
SUN-PS2-109 P3-0016	Synthesis and Electrochemical Characterizations of Zr-NaNFM Cathode Material for Sodium Ion Battery Chang Hong Wu, 輔仁大學
SUN-PS2-110 P3-0017	Gas Sensing Applications of Luminescent Laponite-Based Nanocomposite Double-Network Hydrogels Guo-Zen Song, 國立台灣大學
SUN-PS2-111 P3-0018	Preparation of Gold-Silver Bimetallic Catalysts by Galvanic Replacement Reaction for Nitrate Catalysis Hong Yi Lu, 東吳大學
SUN-PS2-112 P3-0019	Rapid Quantification for Sudan red I by Molecular Imprinting Polymer-Based Pretreatment Integrated with a Thin-Layer Chromatographic Chip Xuan-Yun Chen, Fu Jen Catholic University
SUN-PS2-113 P3-0020	Silver Electrodeposition and Recovering Silver from Silver Oxide Coin Battery Using Hydrophobic Brønsted–Lowry Acidic Ionic Liquid as the Electrolyte Yi-Chen Wang, Kaohsiung Medical University
SUN-PS2-114 P3-0021	An Aptamer-Based Hollow Fiber Microextraction Strategy for Rapid Mycotoxin Detection in Food by MALDI-MS Jhih-Shan He, National Chung Hsing University
SUN-PS2-115 P3-0022	Design of a Homogeneous DNA Keypad Lock Based on Flap Endonuclease 1–Catalyzed Reactions Yi-An Su, National Sun Yat-sen University
SUN-PS2-116 P3-0023	Blood ESAT-6 Quantification for Pulmonary Tuberculosis: A Clinical Case–Control Validation Study Xiu-An Ye, 輔仁大學
SUN-PS2-117 P3-0024	Detection of White Spot Syndrome Virus Using Surface-Enhanced Raman Nanoprobes and Magnetic Nanoparticles on EWOD Platform Pei Chen Jen, 國立中正大學
SUN-PS2-118 P3-0025	A Systematic Compilation of Single-Wall Carbon Nanotubes Quantum Yields Ngoc Khanh Tran, Institute of Atomic and Molecular Sciences Sinica Academia
SUN-PS2-119 P3-0026	Paper-Based Microfluidic Resistive Sensor Composed of (Cu-S)n MOF-Polyaniline for Detection of Early Secreted Antigenic Target 6 kDa Protein Yi-Hua Lu, Fu Jen Catholic University
SUN-PS2-120 P3-0027	Acquisition of MS^2 and MS^3 Tandem Mass Spectra for the Annotation of Novel Metabolites Kuan Yu Chen, Chang Gung University
SUN-PS2-121 P3-0028	(Cu–S)n MOF–Polyaniline Electrochemical Sensing Platform for Urinary Detection of ESAT-6 Shi-Han Chen, Fu Jen Catholic University
SUN-PS2-122 P3-0029	A Computational Study of CO_2 Reduction on N-Doped Graphene Supported Single- and Dual-Copper Atomic Sites Chih Hsien Peng, 中國文化大學
SUN-PS2-123 P3-0030	Integrating Metabolomics Technology to Establish a Screening Platform for Destruxins Pathogenic Factors Based on Fall Armyworm Hui Ying Hsu, National Chiayi University

SUN-PS2-124 P3-0031	**Monitoring Aggregation in Unsorted and Well-sorted SWCNTs using Variance Spectroscopy** Rifqi Fajar Maulana, Academia Sinica
SUN-PS2-125 P3-0032	**Aqueous Two-Polymer Phase Extraction and Purification of Single-Wall Carbon Nanotubes for (8,3) Species** Yan-Ting Lai, Academia Sinica
SUN-PS2-126 P3-0033	**Qualitative and Quantitative Investigation of Molecular Orientation in Self-Assembled Monolayers** Yu-En Chen, National Taiwan University
SUN-PS2-127 P3-0034	**Liquid Crystal Anchoring on the Metal-Doped Zinc Oxide Nanoparticle–Modified Surfaces for Gas Detection** Muhammad Umer Saeed, National Taiwan University, Taiwan
SUN-PS2-128 P3-0035	**Development of an Electrochemical Sensor Based on Molecularly Imprinted Polymers and Multi-walled Carbon Nanotubes for the Detection of Carbendazim** Chi Hao Huang, National Chi Nan University
SUN-PS2-129 P3-0036	**4D-Printed Cadmium-Responsive Rolling Needle Panel Meter** Yu-Siou Liao, National Chung Hsing University
SUN-PS2-130 P3-0037	**4D-Printed NIR-Actuated Stream Selector Enabling Automated Solid-Phase Extraction of Multiple Trace Metals** Yu Hsuan Yu, National Chung Hsing University
SUN-PS2-131 P3-0038	**NIR-Manipulated 4D-Printed Temperature-Responsive Monolithic Hydrogel for Online Speciation of Inorganic Cr, As, and Se** Yi-Ting Chen, National Chung Hsing University
SUN-PS2-132 P3-0039	**Enhancing Photocatalytic Hydrogen Evolution via Noble Metal Doping on MIL-125-NH_2 (TiO2)** Chao Yi ,Anson Ting, National Changhua university of education
SUN-PS2-133 P3-0040	**Combination of Iron-Doped Carbon Dots and Ascorbic acid as Antibacterial Agents against Drug-Resisted Pathogenic Bacteria** Po-Hung Cheng, 國立陽明交通大學
SUN-PS2-134 P3-0041	**Melamine-Derived Nitrogen-Doped Carbon Dots as Antibacterial Agents against Pathogenic Bacteria** Pin Chen Pan, National Yang Ming Chiao Tung Univeristy
SUN-PS2-135 P3-0042	**Multimodal Microscopic Characterization of Graphene Oxide** Jou-Chen Yeh, 國立成功大學
SUN-PS2-136 P3-0043	**Selective Detection of hIAPP Amyloid Aggregates via a Conformation-Sensitive Peptide-Based AIE Probe** Shu-An Shih, National Taiwan Normal University
SUN-PS2-137 P3-0044	**Force-Induced Structural Ordering in Guanosine Monophosphate-Based Hydrogels** Yao Ming Tang, 國立陽明交通大學
SUN-PS2-138 P3-0045	**Protamine-Directed TiO_2-SiO_2 Photocatalysts from Rice Husk Ash with Enhanced Dye Removal Performance** Yen-Ting Sung, National Yang Ming Chiao Tung University
SUN-PS2-139 P3-0046	**Cation Effects on the Guanosine Monophosphate Chiral Assembly and Optical Properties** Tzu-Fan Yang, National Yang Ming Chiao Tung University
SUN-PS2-140 P3-0047	**An Integrated LC–ESI–QTOF–MS/MS Workflow for Identifying In-Source Fragmentation in Nontargeted Lipidomics** Yu-Hsi Tien, National Taiwan University

SUN-PS2-141 P3-0048	**Fabrication and Application of Sensitive, Wide-Range Piezoresistive Sensors Based on Graphene-Coated Pyramidal-Textured Porous Conductive PDMS Substrates** Ching Chih Lin, 國立成功大學
SUN-PS2-142 P3-0049	**Bismuth-Based Metal-Organic Framework with Oxidoreductase-Like Activity for Hexavalent Chromium Detection** Yi-Ning Wang, National Taiwan Normal University
SUN-PS2-143 P3-0050	**Fabrication of Electrochromic Nanopipette Bipolar Electrodes for Small-Volume Sensing Applications** Kai Li Chen, National Cheng Kung University
SUN-PS2-144 P3-0051	**Hydrothermal Synthesis of Cu2O/Co3O4/rGO Composites for Efficient Electrocatalytic Water Splitting** Yeong Yeong Chang, 國立成功大學
SUN-PS2-145 P3-0052	**A Novel Fluorescent Metal–Organic Framework as a Nanocarrier for Gene Detection** Tzu-Yin Liao, Chung Yuan Christian University
SUN-PS2-146 P3-0053	**Development of a Triangular Silver Nanoplate Probe for Protein Content Analysis in White Rice** Yao Co-Chain, 國立嘉義大學
SUN-PS2-147 P3-0054	**Construction of an Automated Dewater-Thermal Desorption System with GC-ECD for Measuring Atmospheric Halocarbons** Chang-Feng Ou-Yang, National Central University
SUN-PS2-148 P3-0055	**Online Bubble Preconcentration and Mass Spectrometry for PFAS Detection** Meng Chen Chan, 國立中興大學
SUN-PS2-149 P3-0056	**Preparation of Co-Mn metal-organic Frameworks/Multi-Walled Carbon Nanotube Heterostructures for Electrochemical Detection of Propyl Gallate for Food Safety** Sethupathi Velmurugan, National Chi Nan University
SUN-PS2-150 P3-0057	**Molecularly Imprinted Polymers with Covalent Anchoring Porphyrin-Based COF on MWCNT Platform for Electrochemical Sulfamethazine Sensing** Lokesh Bettada, National Chi Nan University
SUN-PS2-151 P3-0058	**Integrating Green Chemistry and Artificial Intelligence for Food Freshness Prediction** Guan Sheng Ho, National Chung Hsing University
SUN-PS2-152 P3-0059	**Catalytic Mechanism and Principle of Platinum Nanoparticles Toward Gold Nanomaterials** ya han Chan, 臺北市立大學 (University of Taipei)
SUN-PS2-153 P3-0060	**Investigation for Novel Freshness Marker Components of Rice** Tzu-Yu Wang, 嘉義大學
SUN-PS2-154 P3-0061	**The Application of X-ray Diffraction Analysis in Grain Size of Carbon Materials and Catalysts** Yuchen Hsu, 台灣中油股份有限公司煉製研究所
SUN-PS2-155 P3-0062	**Simultaneous Removal of Multiple Heavy Metal Ions from Simulated Wastewater Using Nanoceria-Carbon Nanotubes Infused Three-Dimensional Novel Cryogels** Sunaina Mudigonda, Kaohsiung Medical University
SUN-PS2-156 P3-0063	**Turning an Adversary into an Ally: Self-assembled Amyloid-Like Fibril Aerogel Packed 3D-printed Microfluidic Sample Pre-Treatment Device for Elemental Analysis** Kainat Ishaq, Kaohsiung Medical University
SUN-PS2-157 P3-0064	**Determination of Clinical Antibiotics and Drugs in Complex Matrices Using Solid-Phase Extraction Coupled with Single-Drop Microextraction and MALDI Mass Spectrometry** Chun-Hua Chang, 國立高雄師範大學
SUN-PS2-158 P3-0065	**Development and Applications of Flexible and Rub-Resistant SERS Substrates** Yun Hui Li, 高雄醫學大學

SUN-PS2-159 P3-0066	**Deep-Learning-Integrated SERS Sensing Platform for Rapid Stroke Prognostic Assessment** Chia Ling Kuo, National Tsing Hua University
SUN-PS2-160 P3-0067	**Deep Eutectic Solvent–Derived Sulfur-Doped Graphene Quantum Dots for Ultra-Sensitive and Selective Fluorescent Detection of Chromium (VI)** Muhammad Bilal Khan, Kaohsiung Medical University
SUN-PS2-161 P3-0068	**Decoupling Carrier Dynamics in Ta3N5 Photoanodes via the Analysis of Distribution of Relaxation Times** Peng Ting Chen, 國立台灣大學
SUN-PS2-162 P3-0069	**Selective Optical Sensing of Butanone and 2-Pentanone in Ethanol Using APTES-Functionalized ZnO Quantum Dots** Chen-Xi Zhu, National Taipei University
SUN-PS2-163 P3-0070	**Development of a Solid-Phase Microextraction Combined with GC-MS Platform for the Differentiation of Frozen Concentrated Milk and Fresh Milk** Zhuang Ya Ting, National Chung Hsing University
SUN-PS2-164 P3-0071	**Synergistic Fluorescence Enhancement in BSA-Templated Cu-Mo Bimetallic Nanoclusters: Synthesis, Optimization, and Mechanistic Insights** Shih Yu Tsai, National Changhua University of Education
SUN-PS2-165 P3-0072	**Development of a Nitric Oxide Sensing Method in Biological Samples Using Fluorescent Carbon Quantum Dots** Tsai Nien-Chieh, 高雄醫學大學
SUN-PS2-166 P3-0073	**Enhancing Proton Conductivity of Proton Exchange Membranes via Modified Metal-Organic Frameworks** Hsin Tzu Huang, 東吳大學
SUN-PS2-167 P3-0074	**Molecular Dynamics Simulations as a Versatile Toolkit for Deciphering Peptide- and ROS-Based Antimicrobial Mechanisms** Wei-Yu Wang, National YANG MING TUNG University
SUN-PS2-168 P3-0075	**Label-Free Magnetic Separation and Dual-Mode Detection of Pathogenic Bacteria Using Terbium Ions** Wei-Ting Shih, National Yang Ming Chiao Tung University
SUN-PS2-169 P3-0076	**Electrochemical Recovery of Rare Earth Element Neodymium Metal in Deep Eutectic Solvents** Chiun Hsia, Soochow University
SUN-PS2-170 P3-0077	**Analysis of the Antioxidant, Whitening and Chemical Composition of Slipper Orchid Extract** Yin-Cen Lin, Hungkuang University
SUN-PS2-171 P3-0078	**Electrochemical Sensor based on Molecularly Imprinted Polymer in Deep Eutectic Solvents for Gallic acid Detection** Hsin-Tzu Fan, Soochow University
SUN-PS2-172 P3-0079	**One-pot Synthesis of Dopamine Carbon Dots** Hsiao-Chi Lai, National Changhua University of Education
SUN-PS2-173 P3-0080	**Antioxidant-Modulated and Photothermally Activated Fe3O4 Nanoparticles for Peroxide-Free Antibacterial Applications** Zong-Kai Jiang, National Yang Ming Chiao Tung University
SUN-PS2-174 P3-0081	**Strategies for Mitigating In-Source Fragmentation of Metanephrines: Preserving Molecular Integrity for High-Sensitivity LC-MS/MS Analysis** Yung-Cheng Jair, National Taiwan University
SUN-PS2-175 P3-0082	**Quantification of Interfacial Trap States via Bias-Applied HAXPES: A Chemical-State Perspective** Wen Jen Chen, National Taiwan University

SUN-PS2-176 P3-0083	**Next-Generation On-Site PFAS Detection for Real-Time Environmental Monitoring** Zhi-Yang Huang, 國立中興大學
SUN-PS2-177 P3-0084	**New Strategy for Mitigating In-Source Fragmentation in Lipidomics via Alternative ESI Source Gases** Wu I Chen, National Taiwan University, College of Medicine
SUN-PS2-178 P3-0085	**Monitoring Changes in the Concentrations of Specific Alkaloids Under Different Degradation Reactions Using MALDI Mass Spectrometry** Yi Shan Wu, NKNU
SUN-PS2-179 P3-0086	**Dynamics of Surfactant Equilibrium Process Between Interfaces and Bulk** Ying-Ju Chen, National Taiwan University
SUN-PS2-180 P3-0087	**Development of a Rapid MALDI MS–Based Approach for Lipid Profiling in Edible Oils Combined with Principal Component Analysis for Type Classification** Min hsuan Lin, National Kaohsiung Normal University
SUN-PS2-181 P3-0088	**Surface Enhanced Raman Scattering of Au Doping Semiconductor Materials Synthesized by Photocatalysis** Mei Yan Su, 國立屏東大學
SUN-PS2-182 P3-0089	**Development of a MALDI-TOF MS–Based Method Combined with Principal Component Analysis for the Effective Differentiation of Hemoglobin from Different Animal Species** Zheng Zhong Chen, National Kaohsiung Normal University
SUN-PS2-183 P3-0090	**Detection of Colorants in Food Additives by Solid-Phase Extraction Coupled with Matrix-assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry** Shih Ying Lai, 國立高雄師範大學
SUN-PS2-184 P3-0091	**Green Engineered MOF@COF@MWCNTs Nanocomposites for Simultaneous Electrochemical Detection of Dopamine, Uric acid, 8-OHdG and Ractopamine** Antonia Trisha Zac R, Fu Jen Catholic University
SUN-PS2-185 P3-0092	**β-Cyclodextrin-Functionalized Glassy Carbon Electrode for Sensitive Electrochemical Detection of Mannose-Binding Proteins and Escherichia coli** Zhi Jia Chen, National Chung Hsing University
SUN-PS2-186 P3-0093	**Investigation of the Effects of Different Matrix Deposition Approaches on the Spatial Resolution of MALDI Mass Spectrometry Imaging** Hsin Ke Huang, National Kaohsiung Normal University
SUN-PS2-187 P3-0094	**Visualization of the Signal Distribution of Specific Molecules Within Common Matrix Crystals Using Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry** Yun-Xuan Tian, NKNU
SUN-PS2-188 P3-0095	**Zn-2MI@Tp-DAAQ@MWCNTs-COOH Modified Screen-Printed Carbon Electrode for Simultaneous Detection of Dopamine, Acetaminophen, and Bisphenol A** Wing Hei Choi, Fu Jen Catholic University
SUN-PS2-189 P3-0096	**Development of a Simple Thin-Film Solid-Phase Microextraction Device Combined with MALDI-MS for the Detection of Aminoglycoside Antibiotic Residues in Real-World Samples** Ying Yu Lai, 國立高雄師範大學
SUN-PS2-190 P3-0097	**Prussian Blue Nanoparticle–Integrated DNA Hydrogel 3D Electrode for Dual Electrochemical and Colorimetric Detection of DNA Glycosylase** JiaCherng Liu, 國立陽明交通大學
SUN-PS2-191 P3-0098	**Investigating the Impact of Environmental Toxins (1-NP, BaP, and NPYR) on Lipid Metabolism in Caco-2 Cells: Implications for the Gut-Brain Axis** Pei-Qi Qiu, National Taiwan Normal University
SUN-PS2-192 P3-0099	**SPE-enabled Coupling of RNA-cleaving DNAzyme-based Sensing System with LC–MS for miRNA Analysis** Shih-Hsun Chen, National Taiwan University, College of Medicine

SUN-PS2-193 P3-0100	**Hybrid Silver Nanowire/Nanoparticle SERS Platform for Sensitive Detection of Four Clinical Pathogens** Xuan-Yu Chen, National Chung Hsing University
SUN-PS2-194 P3-0101	**Expression and Immunoreactivity Validation of PirA^{vp} and PirB^{vp} Antigens Based on Linear Array Epitope Design** 梁凱幃 , National Chung Cheng University
SUN-PS2-195 P3-0102	**Metabolomic Fingerprinting of Taiwanese Roasted Coffee Beans Using Untargeted GC-MS Analysis** Liang Yi Lee, National Chiayi University
SUN-PS2-196 P3-0103	**Headspace Solid-Phase Microextraction of BTEX in Water Using a Polydimethylsiloxane-Coated Gold-Plated Stainless-Steel Fibers** Han-Yu Hsu, Chia Nan University of Pharmacy and Science
SUN-PS2-197 P3-0105	**EXPAR-Based Multi-Target Detection of Sarcopenia Biomarkers** Yu-Wei Chang, National Yang Ming Chiao Tung University
SUN-PS2-198 P3-0106	**A Laser-Induced Graphene Microarray for Improved Analytical Precision in Laser Desorption Ionization Mass Spectrometry** Yi-Ru Chen, National Taiwan Normal University
SUN-PS2-199 P3-0108	**Structure-Driven Enzyme-Mimetic Selectivity in Amino Acid–Engineered Nanozymes for Colorimetric Determination of Catechol and Hydroquinone** Chuu-Hsiang Peng, National Taiwan Normal University
SUN-PS2-200 P3-0109	**Thermal Contact-Induced Ultrafast Matrix Confinement for Room-Temperature Phosphorescent Carbon Dots** Tsung-Yuan Wang, National Tiawan Normal University
SUN-PS2-201 P3-0110	**Metal-Free Laser-Induced Graphene Nanozyme with Urate Oxidase-Like Activity** Yi-Tzu Chang, National Taiwan Normal University
SUN-PS2-202 P3-0112	**In-Situ Visualization of Electrowetting and Solid Electrolyte Interphase Formation in Ionic Liquids: The Critical Role of Water under Vacuum** Ying Shih Wu, 國立台灣大學
SUN-PS2-203 P3-0113	**Accurate Detection of Cellular Senescence in Melanoma Cells Enabled by a Ratiometric Fluorescent Probe** Ming-Fei Tsai, 國立中興大學
SUN-PS2-204 P3-0114	**On-site Monitoring of Pesticide Residues via Surface-Enhanced Raman Spectroscopy** Chieh-Yi Chen, National Chung Hsing University
SUN-PS2-205 P3-0115	**Nanoparticle-Based Fluorescent Probe Turns on for Sensing β-Galactosidase** Sushil Bhavesh Senthil Kumar, Graduate Institute of Biomedical Engineering
SUN-PS2-206 P3-0116	**High-Sensitivity Electrochemical Sensor Based on Modified $MoSe_2$ for Local Anesthetic Detection and Clinical Drug Monitoring** Pei Ting Chiu, 靜宜大學
SUN-PS2-207 P3-0117	**Highly Sensitive Determination of Fluoroquinolones by On-Line Stacking Capillary Electrophoresis with Ion-Pair Dispersive Liquid-Liquid Microextraction** Po-Chen Lin, 高師大化學系
SUN-PS2-208 P3-0118	**Development of Highly Sensitive Method for Determining Artificial Sweeteners in Environmental Water Samples Using Capillary Electrophoresis Coupled with Contactless Conductivity Detection** Wen-Ting Yea, 國立高雄師範大學
SUN-PS2-209 P3-0119	**EXPAR-mediated DNA Barcode Microarray Detection Assay** Yu-Heng Wu, National Yang Ming Chiao Tung University
SUN-PS2-210 P3-0120	**Extending the Detection Range of Liquid Crystal–Based Sensors via Fluorescent Dye Doping** KuanTing Chen, Tamkang University

SUN-PS2-211 P3-0121	**Simple Yet Powerful CRC Exosome Sensor Featuring Antifouling Zwitterionic Peptide** Shu-Hong Lin, National Taiwan University
SUN-PS2-212 P3-0122	**Passive Daytime Radiative Cooling Nanofibers for Solar-Stable Wearable** CHING-YIN CHANG, National Tsing Hua University (NTHU)
SUN-PS2-213 P3-0123	**Determine of pH-Dependent Diketo and Keto-Enol Tautomers of Curcumin Analogs by Ultraperformance Liquid Chromatography-Mass Spectrometry** Shu-Yao Lin, Academia Sinica/NSYSU
SUN-PS2-214 P3-0124	**Trace Level Analysis of HCl/HCOOH Impurity in Hydrogen Fuel Using Impinger/IC Method** Teng-Jui Huang, 台灣中油
SUN-PS2-215 P3-0125	**Electrically Switchable Molecular Adhesion via Self-Assembled Monolayer -Mediated Hydration and Ion Structuring** Valentina Wieser, National Taiwan University
SUN-PS2-216 P3-0126	**Investigation of the Adsorption Performance of Covalent Organic Frameworks (COFs) for Complex Organic Gas Mixtures using TD-GC/MS techniques** Yi-An Yang, Chung Yuan Christian University
SUN-PS2-217 P3-0127	**Development of a Multifunctional MOF-Based Platform for Detection and Adsorption of Complex Volatile Organic Compounds (VOCs)** Chih Ling Chang, Chung Yuan Christian University
SUN-PS2-218 P3-0128	**Probing Cation-Carboxylate Interactions and Interfacial Hydration at poly(3,4-ethylenedioxythiophene)-based Surfaces via QCM and in situ IR** Ya-Chen Gong, National Taiwan University
SUN-PS2-219 P3-0129	**AFM-SECM Insights into the Interfacial Reactivity of 2D TMDC Electrocatalysts** Sumangaladevi koodathil, Academia Sinica
SUN-PS2-220 P3-0130	**Sensitivity Enhancement of Multiplex Lateral Flow Immunoassays by NIR-II Fluorescence and Thermal Contrast** Chun Yang Huang, National Yang Ming Chiao Tung University
SUN-PS2-221 P3-0131	**Antioxidant Activity, and Chemical Composition of Alpinia zerumbet Extracts** Can-Rong Lin, Hungkuang University
SUN-PS2-222 P3-0132	**Carbonized Herbal Polyphenol Engineered MXene Enables Long-Acting Therapy for Dry Eye Disease** Hung-Wen Tsai, 國立清華大學
SUN-PS2-223 P3-0133	**Solid-Phase Microextraction Combined with Thermal Desorption Electrospray Ionization Mass Spectrometry for Rapid, Sensitive Detection of Perfluoroalkyl Substances in Water** Yi-Yang Shen, National Sun Yat-sen University
SUN-PS2-224 P3-0134	**Detection of Human Metabolites on Skin by Thermal Desorption Electrospray Ionization Mass Spectrometry for Assessment of Suboptimal Health Status** Min-Yuan Hsu, National Sun Yat-Sen University
SUN-PS2-225 P3-0135	**Development of a dual desorption ionization source integrating thermal and laser desorption for mass spectrometric analysis** Wei-Hsun Lin, National Sun Yat-sen University
SUN-PS2-226 P3-0136	**Integrating Spectroscopy and Ambient Mass Spectrometry for Advanced Reaction Monitoring in Synthetic Chemistry** Yan-Yu Shen, National Sun Yat-sen University
SUN-PS2-227 P3-0137	**Preparation and Characterization of High-Strength Chitosan/Silicon Dioxide Organic-Inorganic Composite Neutral Self-Healing Hydrogel and Its Application in Portable Gas Sensing Devices** Yi Ting Kao, Chung Yuan Christian University

SUN-PS2-228 P3-0138	**Development of a Rapid Screening Platform for Prostate Cancer Based on Machine Learning and Mass Spectrometry** Hsin-Jung Lin, 國立中興大學
SUN-PS2-229 P3-0139	**Development of a 3D-Printed Vacuum Matrix-Assisted Ionization (vMAI) Source for Multi-sample Introduction in a Portable Mass Spectrometer** Chia-Cheng Hsu, National Chung Hsing University
SUN-PS2-230 P3-0140	**Surface Functionalization of Silver Nanoparticles Using Alkyne Derivatives: Development and Biomedical Applications** Chien-Chi Wu, National Tsing Hua University
SUN-PS2-231 P3-0141	**Revisiting the Reaction Mechanism of Lithium Layered Transition Metal Oxides in Lithium-ion Batteries** Qi-Jun Kang, National Taipei University of technology
SUN-PS2-232 P3-0142	**Flower-Like SrMoO4 Integrated f-CNF Nanohybrid as an Electrocatalyst for the Detection of N-Substituted Amines in Environmental and Food Samples: Combined Experimental and DFT Insights** Bhuvan Lokesh Marenahalli, Taipei Medical University
SUN-PS2-233 P3-0143	**Application of Ambient Ionization Mass Spectrometry for the Establishment of Molecular Imaging on Facial Skin and Pharmacokinetics on Skin Surface** Hsin-Wei Ku, 國立中山大學
SUN-PS2-234 P3-0144	**Detection of Human Metabolites on Skin by Thermal Desorption Electrospray Ionization Mass Spectrometry for Assessment of Multi-Organ Failure** Yu-Chen Lin, National Sun Yat-Sen University
SUN-PS2-235 P3-0145	**Integrating TD-ESI/MS and GC for Rapid Analysis of Complex Samples** Han-Ssu Huang, National Sun Yat-Sen University
SUN-PS2-236 P3-0146	**Optimization of Optical Path Length and Spectral Preprocessing for Ethanol Quantification Using Portable NIR Spectrometer** Tai-Sheng Yeh, Meiho University
SUN-PS2-237 P7-0001	**Isomeric Halide Engineering of Self-Assembled Hole-Selective Layers for Efficient Indoor Perovskite Photovoltaics** Yi Ting Hong, Soochow University
SUN-PS2-238 P7-0002	**Design and Synthesis of Novel D-A'-π-A Organic Dyes for Dye-Sensitized Solar Cells** Fang-I Su, Academia Sinica
SUN-PS2-239 P7-0003	**Unveiling the Mechanism of Pt Photodeposition on Organic Photocatalysis via First-Principle Simulations** Chin Yu Chen, 國立清華大學
SUN-PS2-240 P7-0004	**Effects of Alkyl Chain Tuning and Synergistic Interactions in Triphenylacrylonitrile Systems on Aggregation-Induced Emission Performance** En Ruei Kuo, Tamkang University
SUN-PS2-241 P7-0005	**Fluorinated Carbazole-Based Self-Assembled Small Molecules for Inverted Perovskite Solar Cells** YiWei Hsu, soochow university
SUN-PS2-242 P7-0006	**Synthesis of Photochromic Organic Dyes for Dye-Sensitized Solar Cells** Ning Hong Xu, 國立中央大學
SUN-PS2-243 P7-0007	**Synthesis of D-A type Polymer Electron Transport Materials for Inverted Perovskite Solar Cells** Tzu Jou Chang, 國立中央大學
SUN-PS2-244 P7-0008	**Ultrabright and Stable Red Perovskite Nanocrystals in Micro Light-Emitting Diodes Using Flow Chemistry System** Yen-Huei Lin, National Taiwan University

SUN-PS2-245 P7-0009	**Solvent-Free Curable Perovskite Quantum Dot Inks for MicroLED and LED Backlighting Applications** Yu-Ting Huang, 國立臺灣大學
SUN-PS2-246 P7-0010	**Research on the Application of Phenothiazine Derivatives as Self-Assembled Small Molecule Materials in Inverted Perovskite Solar Cells** Chia Yun Lee, 東吳大學
SUN-PS2-247 P7-0011	**A Study of Naphthalene-Containing Asymmetric Spiro-Type Hole Transport Materials for Perovskite Solar Cells** Xiu Ping Lin, Soochow University
SUN-PS2-248 P7-0012	**Advanced Machine Learning-Driven High-Throughput Approach for the Rational Design of Multi-Resonance Thermally Activated Delayed Fluorescence Materials** Jun-Kai Wang, National Central University
SUN-PS2-249 P7-0013	**Investigation of Donor–Acceptor Phenoxazine Derivatives as Self-Assembled Hole Transport Layers in Wide-Bandgap Perovskite Solar Cells** Po-Cheng Shih, 東吳大學
SUN-PS2-250 P7-0014	**Development of Recyclable and Stretchable Biomass Hydrogels for Sustainable Chlorophyll-Cased Phototransistor Memories** Wei-Yu Chen, Ming Chi University of Technology
SUN-PS2-251 P7-0015	**Synergistic Crystallization in Tin-Lead Perovskite: The Impact of Different Structures of Perovskite Additive Molecules** Li-Hao Chen, 國立中央大學
SUN-PS2-252 P7-0016	**Effects of Heteroatom Substitution on the Liquid Crystalline and Aggregation-Induced Emission Properties of 4-Alkoxy-4′ -Cyanobiphenyl Derivatives** Yen Ming Lin, 淡江大學學校財團法人淡江大學
SUN-PS2-253 P7-0017	**Ternary Organic Solar Cells with Conjugated Terpolymers for Reduced Energy Loss** Po-Ju Chiu, 明志科技大學
SUN-PS2-254 P7-0018	**Boosting CO2 Photo-reduction and Selectivity Switching from CH4 to CO on Tin Disulfide Thin Film Having Fluorine-dopant Pairing with Sulfur Vacancy** Tadios Tesfaye Mamo, National Taiwan University
SUN-PS2-255 P7-0019	**Synthesis of Narrow-Luminescent Organic Small Molecules Containing Dibenzofuran** Yuan Lu, soochow university
SUN-PS2-256 P7-0020	**One-pot Hydrothermal Synthesis of WS2/V2O5/G as a Z-scheme Heterojunction for Efficient Photocatalytic Degradation of Ciprofloxacin (CIP) Antibiotics** Linjer Chen, National Yunlin University of Science and Technology
SUN-PS2-257 P7-0021	**Anion Effects on the Photophysical Properties of Imidazole-Conjugated Salts** Wei-Ting Chien, Chung Yuan Christian University
SUN-PS2-258 P7-0022	**Effect of N–N Bridged Triarylamine Interfacial Molecule on the Efficiency of Perovskite Solar Cells** Yu-Shin Chen, National Taipei University of Technology
SUN-PS2-259 P7-0023	**Interfacial Engineering and Device Performance of Small-Molecule Hole Transport Layers in Inverted Perovskite Solar Cells** Pin Liang Lu, National Taipei University of Technology, Taipei Tech
SUN-PS2-260 P7-0024	**Application of Carbonyl-Functionalized Triphenylamine Derivatives as Hole-Transporting Materials for Inverted Perovskite Solar Cells** Shao Fu Lee, National Taipei University of Technology
SUN-PS2-261 P7-0025	**Acceptor-Type Methoxy-Substituted Hydroxybenzophenone Hole Transport Materials Enabling High-Performance Inverted Perovskite Solar Cells** Huang Yueh Liu, National Taipei University of Technology

SUN-PS2-262 P7-0026	**Dual-Surface Engineering Strategy: Synergistic Stabilization of CsPbI3 Perovskite via Ligands and Silica Coating** Yu-Lin Hsiao, National Taipei University of Technology
SUN-PS2-263 P7-0027	**Temperature-Controlled Synthesis of FAPbBr3 Perovskite Nanoplatelets: Morphology and Optical Property Tuning from Green to Blue Emission** Wen-Feng Lai, National Taipei University of Technology
SUN-PS2-264 P7-0028	**Design of Self-Assembled Hole-Selective Layers via Molecular Modifications for Indoor Perovskite Photovoltaics** Zheng-Xuan Cai, Ming Chi University of Technology
SUN-PS2-265 P7-0029	**Synthesis and Identification of Multiple-Resonance Organic Emitters with 1,2,3,4-Tetraphenyl-9H-Carbazole Substitution** Ya-wen Lai, Soochow University
SUN-PS2-266 P7-0030	**Development of Low-Triplet-Energy Multiple-Resonance Emitters Incorporating Pyrene and Anthracene** Yu-Hsuan Chiang, 東吳大學
SUN-PS2-267 P7-0031	**Blue Triplet–Triplet Fusion Organic Light Emitting Diodes Based on Pyrene or Anthracene Derivative Hosts** Wei-Han Chen, Soochow University
SUN-PS2-268 P7-0033	**Copper-Doped InP/ZnSe Core/Shell Quantum Dots for the Application in Photocatalytic CO2 Reduction** Yun-Cih Yang, National University of Tainan
SUN-PS2-269 P7-0034	**Highly Stable Organometallic Complexes for Solar-Driven Water Evaporation and Thermoelectric Conversion Applications** Yi-Bo Liang, National Kaohsiung University of Science and Technology
SUN-PS2-270 P7-0035	**Addition of Phenethylammonium Iodide for Perovskite Single-Crystal Growth by Inverse Temperature Crystallization** Ting-Yu Wang, 雲林科技大學
SUN-PS2-271 P7-0036	**Preparation and Characterization of Polyimide Thermoset Hybrid Materials with High and Low Refractive Index and Their Application in Optical Waveguide Devices** En-Ming Chang, Chung Yuan Christian University
SUN-PS2-272 P7-0037	**Fluorine-rich Molecules as Interfacial Layer for High Performance Lead Perovskite Solar Cell** Chun-Wei Liu, 國立中央大學
SUN-PS2-273 P7-0038	**Au-Decorated InP Quantum Dots for Photocatalytic CO_2 Reduction** Ting-Ni Wang, National University of Tainan
SUN-PS2-274 P7-0039	**Structural and Optical Properties of 2D Perovskite $(3F\text{-}PA\cdot H)_2PbCl4$ Thin Films** Tz-Hsuan Hsu, National Taipei University of Technology
SUN-PS2-275 P7-0040	**Alkenyl-Substituted NI and BfNI Derivatives as Organic Modifiers for Pt Electrodes: Electrochemical Properties and DSSC Performance** Cian-Yu Huang, 靜宜大學
SUN-PS2-276 P7-0041	**Energy-Level Matching Strategies for Panchromatic Dye-Sensitized Solar Cells via Low-LUMO BfNI Dyes and Boron-Doped TiO2** You-Cheng Lin, 靜宜大學
SUN-PS2-277 P7-0042	**Novel 5H-Dithieno[3,2-b:2′ ,3′ -d]pyran-Based Self-Assembled Monolayers as Hole-Selective Contacts for Inverted Perovskite Solar Cells** Wei-Chun Chou, 東吳大學
SUN-PS2-278 P7-0043	**Metal–Organic Framework-Modified BiVO4 Photoanodes for Photoelectrochemical Glycerol Oxidation** Shih-Han Huang, National University of Tainan

SUN-PS2-279 P7-0044	Untangling the Decomposition Mechanism of $Cs_2AgBiBr_6$ and the Resulting Low-Dimensional Materials Yu-Chen Hong, National Taiwan University
SUN-PS2-280 P7-0045	Photochromic Additive–Regulated Alignment and Morphology of Conjugated Polymer Thin Films for Organic Field-Effect Transistors Xiao-Yuan Lin, National Taipei University of Technology
SUN-PS2-281 P7-0046	Synergistic Construction of MoSe2/g-C3N4 Heterojunctions for Optimized Photocatalytic Crystal Violet Degradation and Charge Carrier Dynamics Yu-Yun Cho, Chung Shan Medical University
SUN-PS2-282 P7-0047	Process Optimization of Spin-Coated CuO Nanoparticle Thin Films for Electronic Applications Padmapriya Murali, National Chung Hsing University
SUN-PS2-283 P7-0048	Low-Dislocation-Density Pure Germanium Films Grown Directly on Microhole-Patterned SiO2/Si(111) Substrates by Liquid-Phase Epitaxial Lateral Overgrowth Yu-Ting Fu, 中原大學
SUN-PS2-284 P7-0049	Engineering Encapsulation Designs toward Durable Lead Halide Perovskites for Green-Oriented Optoelectronic Applications Andi Magattang Gafur Muchlis, National Taipei University of Technology
SUN-PS2-285 P7-0050	A Multifunctional Perylene Diimide Electron Transport Layer for Efficient Organic solar cells Ting-Ying Huang, 明志科技大學
SUN-PS2-286 P7-0051	Broadband Photoresponse in PEDOT:PSS/SnS_2/Graphene Double Heterostructures Yi-Chen Lee, Chung Yuan Christian University
SUN-PS2-287 P8-0002	Sandwich-Structured UiO Frameworks Encapsulating Pd Nanoparticles toward CO2 Catalytic Transformation Yun-Sheng Lin, 國立陽明交通大學
SUN-PS2-288 P8-0003	Development of High-Value Applications for Recycled Carbon Black from Waste Tires Chun-Han Hsu, 國立臺南護理專科學校
SUN-PS2-289 P8-0004	Nitrogen-Doped Hierarchical Porous Carbon from Agricultural Waste via CO_2-Assisted High-Temperature Physical Activation for CO_2 Capture, Dual-Dye Removal, and Water Vapor Adsorption Applications Daniel Ng, 國立成功大學
SUN-PS2-290 P8-0005	Synthesis of Silica Hollow Nanospheres Decorated with TiO_2 for Photocatalytic Degradation of Organic Dyes Yuching Lin, 成功大學
SUN-PS2-291 P8-0006	Green Synthesis of Moisture- and Air-Stable Cesium Lead Halide Perovskite Nanocrystals Confined within Nanoporous Silica Ruei-Bin Wang, National Cheng Kung University
SUN-PS2-292 P8-0007	Charge-Tunable Nanoporous Graphene for Adsorption-Facilitated Alcohol/Water Reverse Osmosis Separations Yen-Yung Wu, National Taiwan University
SUN-PS2-293 P8-0008	Impact of Surface Texture on Carbon Materials for CO2 Adsorption Tzu-Hsuan Yang, National Taiwan University
SUN-PS2-294 P8-0009	Silicate-Regulated Formation of Nanotubular Copper Phyllosilicate with Tunable Reactivity and Spatial Localization Xuan-Ci Hu, National Cheng Kung University
SUN-PS2-295 P8-0010	Liquid-Phase Functionalization of Crumpled Graphene Oxide with the Study of Morphology Preservation Yen-Ting Liu, National Sun Yat-sen University

SUN-PS2-296 P8-0011	Microenvironment Matters: Copper — Carbon Composites Enable a Highly Efficient Carbon Dioxide Reduction Reaction to C2 Products Yu-Jhih Shen, National Yang Ming Chiao Tung University
SUN-PS2-297 P11-0072	Exploring the Role of GM1 in Amyloid-beta Aggregation using Atomistic Simulation Yi-Ting Lin, National Chung Cheng University
SUN-PS2-298 P8-0013	ZrT-2@PVFM beads for Acetone Adsorption Applications 林子筠 , 高雄醫學大學
SUN-PS2-299 P8-0014	Molecular Simulation of Chiral Adsorption in Metal-Organic Frameworks Pi-Chien Chuang, National Taiwan University
SUN-PS2-300 P8-0015	Graphene Oxide-Supported Au and PEDOT for Electrochemical Sensing of Biospecies Pei-Jou Chang, 國立雲林科技大學
SUN-PS2-301 P8-0016	Au Nanoparticles Encapsulated in Nano-sized ZIF-90 for Enhanced Photocatalytic CO2 Reduction Tz-Wei You, National Taipei University of Technology
SUN-PS2-302 P8-0017	Systematic Study on the Synthesis of Europium-Doped ZIF-90: Effects of Temperature and Metal Ratios on Structural Integrity and Photocatalytic CO2 Reduction Yi-Ting Cheng, National Taipei University of Technology
SUN-PS2-303 P8-0018	Chemical Grafting versus Physical Blending in Two-Dimensional Metal–Organic Framework/Graphene Oxide Composites for Ultrahigh Proton Conduction Chi-Lun Chuang, National Cheng Kung University
SUN-PS2-304 P8-0019	Hydrophilized ZIF-8–Derived Carbon and Stable $Ni_xCo_{1-x}HCF$ Asymmetric Electrodes for Efficient Membrane Capacitive Deionization Cheng-Chih Liu, 清華大學
SUN-PS2-305 P8-0020	Enhancing Hot Carrier Generation in Supported Au and Au-Ag Nanocrystals via LSPR Modulation and Crystallinity Control Tzi-Yi Liu, National Changhua University of Education
SUN-PS2-306 P8-0021	Synthesis and Photoelectrochemical Properties of Supported Tungsten Oxide Nanoclusters Hsun-Tse Li, National Changhua University of Education
SUN-PS2-307 P8-0022	Supported Au-Pd Bimetallic Nanocatalysts for Hydrogen Peroxide Synthesis from Formic Acid and Molecular Oxygen Ke-Huan Chen, National Changhua University of Education
SUN-PS2-308 P8-0023	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, 高雄醫學大學
SUN-PS2-309 P8-0024	Synthesis, Characterization of MOF Materials Containing Lanthanide Metal and Their Application in Gas Sensing Devices Tse-Kang Pan, Chung Yuan Christian University
SUN-PS2-310 P8-0025	Electrochemical Properties for Energy Storage of Trimetallic CoCuNi Metal-Organic Frameworks Yu-Fang Chen, 國立雲林科技大學
SUN-PS2-311 P8-0026	Preparation and Characterization of Fe/Cu-MOF/Mxene Composites and Their Application in Gas Sensing Zong-Kai Ni, Chung Yuan Christian University
SUN-PS2-312 P8-0027	Electroactive Membrane-Coated Nanocarriers Radiolabeled with ^{64}Cu Enable Homologous Tumor Targeting and Enhanced Positron Emission Ying Chen Lin, 高雄醫學大學
SUN-PS2-313 P8-0028	Self-Assembly of Heteroleptic Zirconium Metal–Organic Cages Zih-Ling Chin, National Taiwan Normal University

SUN-PS2-314 P8-0029	Hydrophobic Post-Synthetic Modification of MOFs for Enhanced CO_2 Capture Performance and Moisture Resistance under Humid Conditions Wei-Cheng Chu, national Tsing-hua university
SUN-PS2-315 P8-0030	Heteroleptic Metal Organic Cages with Linear and Bent Ligands for Trace Benzene Removal from Cyclohexane Jiale Chen, National Taiwan Normal University
SUN-PS2-316 P8-0031	Granulation of MOF Adsorbents Using Various Binders for AMC Removal Chung-Yu Yen, 國立清華大學
SUN-PS2-317 P8-0032	Mesopores in Zirconium-Based Metal–Organic Framework for In-Situ Polymerization of Aniline Rendering Enhanced Rate Capability for Supercapacitors Tsan-Yu Chuang, National Cheng Kung University
SUN-PS2-318 P8-0033	Iron-Functionalized Two-Dimensional Metal–Organic Framework as an “Initiator” for Polypyrrole Synthesis toward Electrochemical Dopamine Detection Hsin-Ya Tsai, National Cheng Kung University
SUN-PS2-319 P8-0034	A Multifunctional Electronic Nose Sensing System for Low-Concentration Ammonia at Room Temperature Constructed with ZIF-67 Composite Materials Ting-Yi Yeh, 靜宜大學
SUN-PS2-320 P8-0035	Development of a ZIF-8-based Composite Multifunctional Electronic Nose for Low-Level Methyl Mercaptan Detection at Room Temperature in Livestock Farming Hsiang-Chin Shen, 靜宜大學
SUN-PS2-321 P8-0036	Preparation of Au/ZIF-8 Materials and Their Application in Hydrogen Production from Formic Acid Hsiang-Yun Wang, Providence University
SUN-PS2-322 P8-0037	Desolvation-Assisted Ordering of Metal-Organic Frameworks Yu-Chen Chung, 清華大學 NTHU
SUN-PS2-323 P8-0038	Synergistic Enhancement of Hydrogen Sensing Properties via Au-Decorated CNT/ZIF-67 Ternary Nanocomposites Yu-Ling Chuang, Providence University
SUN-PS2-324 P8-0039	Gas-sensing Studies of Inter-Digitated Electrode Decorated with Porous EPI Aerogel/ Biomass Carbon Composite Materials Using CO2 Supercritical Fluid Technique Wei-Syuan Jhuang, Chung Yuan Christian University
SUN-PS2-325 P8-0040	Nanoporous MOF-Derived Hybrid Architectures for Electronic Nose Systems toward High-Selectivity Multi-VOC Sensing in Livestock Odor Monitoring Yu-Cheng Shih, 靜宜大學
SUN-PS2-326 P8-0041	Corrosion Protection Studies of Metals by Epoxy Resin Composite Coatings Containing Biomass Carbon with Different Surface Areas in the Presence of ACQ Wood Preservative Ssu-Chiao Huang, Chung Yuan Christian University
SUN-PS2-327 P9-0002	Teaching Chemistry Through Jenaplan Education: A Weekly Curriculum Design for the Periodic Table Yi-Xuan Chen, National Kaohsiung Normal University
SUN-PS2-328 P9-0003	Study on the Chemical Composition,Antioxidant,and Whitening Activities of Artemisia argyi Chen Yi Lin, 弘光科技大學
SUN-PS2-329 P9-0004	Integrating Chemical Core Curricula through Prussian Blue Analogues: From Artistic Pigments to Redox Catalysis Xin Bei Lin, National Taiwan Normal University
SUN-PS2-330 P9-0005	Viologen Analogues as Cross-Curricular Vehicles: Integrating Molecular Recognition, Electro-Optics, and Redox Chemistry Jo-Tzu Wu, National Taiwan Normal University

SUN-PS2-331 P9-0006	**Strategic Engagement of Taiwan with IUPAC: Opportunities, Participation, and Global Impact** Brian Li, IUPAC
SUN-PS2-332 P10-0001	**The Application and Preparation of Anti-Mosquito Microcapsules** Guo-Ming Yang, Cheng Shiu University
SUN-PS2-333 P10-0002	**Catalyst System Studies for Ethylene/1-Octene Copolymerization toward Polyolefin Elastomers** Ding-Chi Huang, CPC Corporation, Taiwan
SUN-PS2-334 P10-0003	**Optimization of Cu-Zn Based Catalysts for CO_2 Hydrogenation to Methanol** Yen-Hao Lin, CPC Corporation, Taiwan
SUN-PS2-335 P10-0004	**Particle Detection of Airborne Molecular Contaminants Using Soft X-ray Ionization Coupled with a Differential Mobility Analyzer–Condensation Particle Counter (DMA–CPC)** Yu Hsien Wu, 工業技術研究院
SUN-PS2-336 P10-0005	**Chemical Vapor Conversion of Chitosan-Modified Hydrophobic Carbon Paper Enables Efficient Copper-Based CO_2 Electroreduction to Ethylene** Ya Ching Chang, National Yang Ming Chiao Tung University
SUN-PS2-337 P10-0006	**MnO2 Doped MoO42- Protective Layer for Neutral Seawater Splitting** Ching-Hsuan Chou, 國立陽明交通大學
SUN-PS2-338 P10-0007	**Granular Al_2O_3-Supported Cu–Mn Bimetallic Spinel Catalysts for Low-Temperature Catalytic Decomposition of NF_3** Yeh Chun Han, National Cheng Kung University
SUN-PS2-339 P10-0009	**Research on Dissolved Oxygen in Petrochemical Oil During Distillation** Hsun-YI Huang, CPC-Taiwan
SUN-PS2-340 P10-0010	**Flame-Retardant Phytic-Acid-Cured Vanillin-Derived Epoxy Vitrimers with Tunable Phosphorus–Nitrogen Ratio** Chiao Tien Yao, 國立台北科技大學
SUN-PS2-341 P10-0011	**Small Loading of Biomass-Derived Carbon to Replace a Large Amount of Zinc Dust in Zinc-Rich Epoxy Composite Coatings for Heavy-Duty Anticorrosion** Hsin-Yu Chang, Chung Yuan Christian University
SUN-PS2-342 P10-0012	**Enhancing Interfacial Electron Transfer Kinetics via Novel Mediator Based for High-Sensitivity Amperometric D-3-Hydroxybutyrate Biosensing** Yen-Pei Lu, National Center for Instrumentation Research, National Institutes of Applied Research
SUN-PS2-343 P10-0013	**Fixed-Bed Catalysts for Diamine Monomer Hydrogenation: Selectivity Control and Side-Reaction Suppression** Hsin-Lung Lee, Refining & Manufacturing Research Institute, CPC Corporation
SUN-PS2-344 P10-0014	**Accelerating the Development of Recyclable Oriented Polyolefin Films: An Integrated Framework for Formulation Design and Orientation Feasibility Evaluation** Hsu-Liang Huang, Industrial Technology Research Institute
SUN-PS2-345 P10-0015	**PVDF-HFP Based Gel Polymer Electrolyte for Lithium Metal Batteries** Chun Hao Huang, Refining & Manufacturing Research Institute, CPC Corporation, Taiwan
SUN-PS2-346 P10-0016	**Performance Comparison of Commercial vs. Lead-Carbon Fiber Composite Lead-Acid Batteries for Solar PV Energy Storage** Yi-Zhou Shen, National Formosa University
SUN-PS2-347 P10-0017	**High Energy Density and High Safety Lithium-ion Pouch Cells** Jyu-Lun Yan, 台灣中油煉製研究所

SUN-PS2-348 P10-0018	**Rapid Synthesis of Moderate-Molecular-Weight Poly(Glycolic Acid) via Atmospheric Azeotropic Polycondensation** Jian-Yu Lin, Ming Chi University of Technology
SUN-PS2-349 P10-0019	**Low-Carbon Strategy for Low-Temperature Hydrogen Production from Alcohols Using H2O2 over Ni–Cu Composite Catalysts** Yu-Chen Tasi, 中正大學
SUN-PS2-350 P10-0020	**Study on the Corrosion Resistance of Vanadium oxide Coatings and Si-Ti Nanocomposite Sol-Gel Coatings** Wen Chi LO, 國立台灣師範大學
SUN-PS2-351 P11-0001	**Molecular Dynamics Simulating the Abnormal Aggregation Caused by Arctic Mutant Amyloid Precursor Protein Leading to Alzheimer's Disease** Chun Wei Tan, National Taipei University of Technology
SUN-PS2-352 P11-0003	**DFT Investigation of Axial Ligand Effects in the CO2 Electroreduction on 3d Metal-doped Phthalocyanine** Yu-Hung Chiang, CYCU
SUN-PS2-353 P11-0004	**Efficient Nitrogen Reduction on Indium Nitride–Supported Transition-Metal Single-Atom Catalysts: Mechanistic Insights from First-Principles Analysis** Marwa Tariq, Chung Yuan Christian University
SUN-PS2-354 P11-0005	**Reveal the Structure-Packing-Mobility Relationship in ortho-Benzodipyrrole-Based Non-fullerene Acceptors** Li-You Lin, National Tsing Hua University
SUN-PS2-355 P11-0006	**Establish Computational Protocols for Viscosity Prediction for Polymers: Based on Molecular Dynamics Simulations with Quantum-Mechanical-Derived Forcefields** Yu Wei Wu, 國立清華大學
SUN-PS2-356 P11-0007	**High-throughput Screening of Metal-Free Organic Photocatalysts for Hydrogen Evolution Reaction** Yun-Wei Liu, National Tsing Hua University
SUN-PS2-357 P11-0008	**Impact of Water Defects on C2H4/C2H6 Adsorption Selectivity in UTSA-280 Using Kinetic Monte Carlo Simulation** Po-Wen Chiu, National Sun Yat-sen University
SUN-PS2-358 P11-0009	**Revealing the Role of Sacrificial Donors in Photocatalytic Hydrogen Evolution Reactions** Jia-Qi Gao, National Tsing Hua University
SUN-PS2-359 P11-0010	**Simulation of the Influence of Water Defects on Single-File Diffusion of CO2/N2 in UTSA-280 Using the Kinetic Monte Carlo Method: Modification and Optimization of kMC Code** Chia-Lung Lei, National Sun Yat-sen University
SUN-PS2-360 P11-0011	**Effect Of Electrolyte Ions Adsorption By Novel Two-Dimensional Layered Structures For The Development Of Quantum Capacitance: A First Principles Study** Shin Chen, Feng-Chia University
SUN-PS2-361 P11-0012	**Optimizing Boron Nitride 2D Material Structures to Enhance Adsorption and Stability in Urea Oxidation Reactions** Ming-Chun CHIAN, 中國文化大學
SUN-PS2-362 P11-0013	**Theoretical Investigation of Charge-Discharge Mechanisms in Lithium-Air Batteries on Double-Tube NiOx@CNT and RuOy@CNT Cathodes** Ming-Shi Chen, Chinese Culture University
SUN-PS2-363 P11-0014	**Theoretical Insights into Solvation Chemistry and Interfacial Stability of Glyme-based Electrolytes in Sodium Metal Anodes** Yun-Fang Luo, National Taiwan University of Science &Technology
SUN-PS2-364 P11-0015	**Comparative Molecular Dynamics Study of Thiazole Orange Binding with G-quadruplex: Impact of K+ and Na+ Ion Environments on Probe Dynamics** Yeh Hsing chen, National Chung Cheng University

SUN-PS2-365 P11-0016	**A Comparative Analysis of Adsorbate Models for Ethane/Ethylene Adsorption in Metal–Organic Frameworks** Ting Wei Su, 國立中央大學
SUN-PS2-366 P11-0018	**Accelerating the Discovery of High-Efficiency Organic Photovoltaic Acceptors via Fragment-Based Graph Deep Learning** Yi Ling Wu, National Central University
SUN-PS2-367 P11-0019	**Active-Learning Deep Neural Network Potentials for Predictive Modeling of Li^+ Transport in High-Energy Lithium-Metal Batteries** Chen-Wei Hsu, National Taiwan University of Science and Technology
SUN-PS2-368 P11-0020	**Machine Learning-Assisted Sampling of Disordered Argyrodite Electrolytes for Enhanced Li-Ion Conductivity** Zhong-Lun Li, National Taiwan University of Science and Technology
SUN-PS2-369 P11-0021	**Strain-Driven Topological Phase Evolution in Non-Centrosymmetric LiBaBi** Zhen-Yuan Chen, 國立中央大學
SUN-PS2-370 P11-0022	**Unveiling the Role of Edge Active Sites in CuO Nanoparticles for Enhanced C2 Product Formation in CO2RR** Shih-Huang Pan, National Taiwan University of Science and Technology
SUN-PS2-371 P11-0023	**Atomistic Insights into Lithium Plating and Interfacial Reactions in Anode-Free Lithium Metal Batteries with PVDF-HFP Solid Polymer Electrolytes** Chia-En Lee, National Taiwan University of Science and Technology (NTUST)
SUN-PS2-372 P11-0024	**Investigating Strain Effects on B or P Functionalized g-C3N4 for Metal-Free Oxygen Reduction Reaction Catalysis** Chang-Yu Lo, Soohow University
SUN-PS2-373 P11-0025	**Electronic Structure Modulation by Curvature Controls the Nitrogen Reduction Reaction on Metal-Decorated Low-Dimensional g-C3N4** Tai Wei Lai, Soochow University
SUN-PS2-374 P11-0026	**Electronic Properties of V2NCl2 and V2NF2 MXenes: A DFT Study of Antiferromagnetic Semiconductors** Chuan-Siang Wu, Feng Chia University
SUN-PS2-375 P11-0027	**Facet-, Defect-, and Size-Dependent Selectivity in CO2 Electroreduction on BiOCl: A Density Functional Theory Study** Ya Yi Chen, National Taiwan University of Science and Technology
SUN-PS2-376 P11-0028	**Design and Evaluation of Substituted 2-(2-(Phenyl)hydrazono)cyclohexane-1,3-diones as Potent COX-2 Inhibitors** Chin-Peng Chang, Chung Shan Medical University
SUN-PS2-377 P11-0029	**Impact of Pore Connectivity and Architecture on Water Adsorption Characteristics in Metal-Organic Frameworks** Yen-Ju Chu, National Taiwan University
SUN-PS2-378 P11-0030	**Elucidating the Reaction Pathway of HCHO Oxidation on W-Doped δ-MnO2** FuChuan Cheng, 國立中央大學
SUN-PS2-379 P11-0031	**Structure and Deformation of ⟨110⟩ Symmetric Tilt Grain Boundaries in Al0.5CoCr0.5FeNi High Entropy Alloys** Jyu-Si Li, 國立中央大學
SUN-PS2-380 P11-0032	**Exploring Catalytic Activity of PtTe2 Surfaces toward Ethylene Glycol Oxidation – A DFT Study** Pei Yun Su, Chinese Culture University
SUN-PS2-381 P11-0033	**Developing De Novo D-Peptides Against E. coli via a Hierarchical Antimicrobial and Hemolytic Property Prediction Framework** Ming-Yang Tsai, National Central University

SUN-PS2-382 P11-0034	Accelerating the Exploration of Structural Dynamics in Flexible Frameworks via Machine Learning Potentials Shang-Wei Lin, National Taiwan University
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