



**第十二届挥发性有机物污染防治学术年会
暨第五届可持续能源与环境中的催化科学与技术国际研讨会
暨2025挥发性有机物国际专家研讨会**

The 12th Annual National Conference on the Prevention and Control of Volatile Organic Compounds (VOCs)
The 5th International Symposium on Catalytic Science and Technology in Sustainable Energy and Environment (5th EECAT)
The International Expert Symposium on Volatile Organic Compounds 2025

会议指南

Conference Guide



2025年11月6日–8日 | November 6–8, 2025

中国广州 | Guangzhou, China

欢迎辞

尊敬的各位嘉宾、各位代表：

金秋送爽，花城广州叠翠流金、丹桂飘香。在这满载收获的美好时节，我们诚挚欢迎海内外专家学者齐聚粤港澳大湾区，共同探讨挥发性有机物（VOCs）污染防治与可持续发展之路。

当前，我国正协同推进降碳、减污、扩绿、增长，加快经济社会发展全面绿色转型。VOCs作为臭氧和PM2.5的重要前体物，其有效控制是推动绿色低碳发展、建设美丽中国的重要环节。

为此，暨南大学、华南理工大学、中国环境科学学会挥发性有机物污染防治专业委员会将于2025年11月6-8日在广州联合举办第十二届挥发性有机物污染防治学术年会暨第五届可持续能源与环境中的催化科学与技术国际研讨会暨2025挥发性有机物国际专家研讨会（简称2025 VOCs国际联合会）。本次会议将汇聚全球智慧，深入探讨VOCs防控与催化技术的前沿突破，为实现生态环境持续改善提供有力科技支撑。

衷心感谢所有嘉宾、代表、协办单位、赞助单位及会务工作人员的辛勤付出！预祝2025 VOCs国际联合会圆满成功！

组委会主任 邵敏 叶代启 郭海 王伯光 李永丹

邵敏 叶代启 CK 郭海 李永丹

WELCOME MESSAGE

Distinguished Guests, Esteemed Representatives,

In this golden autumn, Guangzhou is adorned with vibrant hues and the sweet fragrance of osmanthus, embodying a season of harvest and fulfillment. In this auspicious time of abundance, we extend our warmest welcome to experts and scholars from home and abroad, gathering in the Guangdong-Hong Kong-Macao Greater Bay Area to jointly explore pathways for volatile organic compounds (VOCs) pollution prevention and sustainable development.

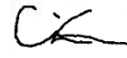
Currently, China is advancing a comprehensive green transformation of its economic and social development through the synergistic promotion of carbon reduction, pollution control, ecological conservation, and green growth. As key precursors to ozone and PM_{2.5}, effective control of VOCs plays a vital role in fostering green and low-carbon development and building a Beautiful China.

To this end, Jinan University, South China University of Technology, and the Technical Committee on Emission Control of Volatile Organic Compounds will jointly hold the 12th Annual National Conference on the Prevention and Control of Volatile Organic Compounds, the 5th International Symposium on Catalytic Science and Technology in Sustainable Energy and Environment (5th EECAT), and the International Expert Symposium on Volatile Organic Compounds 2025 (collectively referred to as the 2025 Joint VOCs Conference) from November 6 to 8, 2025, in Guangzhou. This conference aims to pool global expertise, facilitate in-depth discussions on cutting-edge advances in VOCs control and catalytic technologies, and provide robust scientific and technological support for the continuous improvement of the ecological environment.

We extend our sincere gratitude to all guests, participants, co-organizers, sponsors, and the dedicated conference team for their tremendous efforts.

Wishing the 2025 VOCs International Joint Conference a complete success!

Directors of Organizing Committee

Min Shao		Daiqi Ye		Hai Guo	
Boguang Wang		Yongdan Li			

目录

Contents

04	/组织机构	Organization
05	/学术委员会	Academic Committee
07	/组织委员会	Organizing Committee
08	/会议基本信息	Conference Information
10	/特邀嘉宾	Plenary Speakers
11	/会议日程	Conference Agenda
13	/开幕式暨大会报告	Opening Ceremony & Plenary Sessions
15	/闭幕式暨大会报告	Closing Ceremony & Plenary Sessions
16	/专题1：VOCs的仪器分析、测量技术及数据质量控制	Session 1: Instrumental analysis, measurement techniques, and data quality control of VOCs
20	/专题2：VOCs的排放特征、迁移转化及数值模拟研究	Session 2: Variation, Emission and Modelling of VOCs
24	/专题3：VOCs的反应机理研究	Session 3: Study on the Reaction Mechanism of VOCs
27	/专题4：VOCs的毒理学和健康效应研究	Session 4: Toxicology and Health Impacts of VOCs
29	/专题5：VOCs在大气污染与气候变化中的作用	Session 5: The Role of VOCs in Air Pollution and Climate Change
33	/专题6：VOCs与温室气体协同控制技术	Session 6: Synergistic Control for VOCs and Greenhouse Gases
36	/专题7：VOCs控制材料与技术	Session 7: VOCs Control Materials and Technologies
40	/专题8：面向可持续能源的催化技术研究	Session 8: Research on Catalytic Technologies for Sustainable Energy
43	/专题9：环境中的催化作用	Session 9: Catalysis in the Environment
47	/专题10：室内环境中VOCs的化学行为研究	Session 10: Study on the Chemical Behavior of VOCs in Indoor Environment
50	/专题11：人工智能技术在VOCs研究中的应用	Session 11: Application of Artificial Intelligence Technology in VOCs Research
54	/专题12：研究生专场	Session 12: Graduate Session
59	/墙报专场	Poster Session
63	/会场平面图	Venue floor plan

组织机构

Organization

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暨南大学

Jinan University

华南理工大学

South China University of Technology

中国环境科学学会挥发性有机物污染防治专业委员会

Committee of Emission Control of Volatile Organic Compounds, Chinese Society for Environmental Sciences

承办单位 Co-organizer

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Innovation Base for Air Quality Science and Management for Guangdong, Hong Kong and Macao Greater Bay Area

暨南大学环境与气候学院

College of Environment and Climate, Jinan University

华南理工大学环境与能源学院

School of Environment and Energy, South China University of Technology

香港理工大学土木及环境工程学系

Department of Civil and Environmental Engineering, the Hong Kong Polytechnic University

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粤港澳环境质量协同创新联合实验室

Guangdong-Hongkong-Macau Joint Laboratory of Collaborative Innovation for Environmental Quality

广东省南岭森林大气环境与碳中和野外科学观测研究站

Guangdong Provincial Observation and Research Station for Atmospheric Environment and Carbon Neutrality in Nanling Forests

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Haidong Kan, Member of Academia Europaea, Fudan University,

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耿雪松 Xuesong Geng, 梁春兰 Chunlan Liang,

会议基本信息 Conference Information

报到地点 Registration location

广州白云机场铂尔曼大酒店大堂。

Lobby of Pullman Guangzhou Baiyun Airport Hotel.

报到时间 Registration time

11月6日（星期四）09:00-23:00 报到，代表抵达广州白云机场铂尔曼大酒店后，请到酒店一层大堂会议签到处报到，手续包括：签到、缴纳会议费、领取餐券、领取资料等。

On November 6th (Thursday), from 09:00 to 23:00, representatives may register at the conference check-in counter in the first-floor lobby of the Pullman Guangzhou Baiyun Airport Hotel between 09:00 and 23:00. Registration procedures include check-in, payment of conference fees, collection of meal vouchers and other documents.

酒店住宿 Accommodation

住宿请提前通过二维码预定房间，以免现场没有住宿房间。

For accommodation, please reserve your room in advance by scanning the QR code to avoid the possibility of no rooms being available upon arrival.

用餐 Meals

	11月6日 November 6 th	11月7日 November 7 th	11月8日 November 8 th
午餐 Lunch		诺富特食宜餐厅 Novotel Food Exchange 铂尔曼U8西餐厅 U8 Action Cuisine Restaurant	诺富特食宜餐厅 Novotel Food Exchange
晚餐 Dinner	诺富特食宜厅 Novotel Food Exchange	诺富特食宜餐厅 Novotel Food Exchange	

本次会议提供11月6日晚餐至11月8日午餐，请持房卡在住宿酒店用早餐。午、晚餐凭券用餐。用餐时间：午餐12:00-13:30，晚餐18:00-20:00。

The conference will provide meals from dinner on November 6th to lunch on November 8th. Please use your room card to have breakfast at your hotel. Lunch and dinner will be served with meal vouchers. Meal times are as follows: lunch from 12:00 to 13:30, and dinner from 18:00 to 20:00.



会议支持期刊 **Conference support Journal**

本次会议与《中国环境科学》期刊合作，特设会议专栏。
会务组将从参会论文中遴选优秀成果，推荐至该专栏发表。有意申请者，请于2025年11月30日 前将论文全文发送至大会邮箱：voc2025guangzhou@126.com，邮件主题请注明：“专栏投稿-姓名-单位”。

This conference is in cooperation with the journal "China Environmental Science" and has a special conference column. The conference committee will select outstanding papers from the submitted works and recommend them for publication in this column. Applicants are requested to submit their full papers to the conference email: voc2025guangzhou@126.com by November 30,2025. Please include the subject line: "Column Submission-Name-Institution".

会务组人员联系方式

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特邀嘉宾 Plenary Speakers



Donald R. Blake

Professor
美国加州大学尔湾分校
University of California, Irvine



包信和

中国科学院院士
复旦大学/中国科学院大连化学
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刘绍臣

世界科学院院士
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Shaw-chen Liu, Academician of The
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Alex Guenther

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美国加州大学尔湾分校
University of California, Irvine



阚海东

欧洲科学院院士
复旦大学
Haidong Kan, Member of the
Academia Europaea
Fudan University



Mathew Evans

Professor
英国约克大学
The University of York

会议日程 Conference Agenda

11月6日(周四)全天 November 6 th (Thursday)		
参会代表注册报到 Registration of representatives attending the Conference	铂尔曼酒店大堂 Pullman Hotel lobby	09:00-23:00
11月7日(周五)上午 November 7 th (Friday)		
开幕式暨大会报告 Opening Ceremony & Plenary Sessions	1F 红棉厅 AB Kapok Grand AB	09:00-11:40
11月7日(周五)下午 November 7 th (Friday)		
专题 1: VOCs 的仪器分析、测量技术及数据质量控制 Session 1: Instrumental analysis, measurement techniques, and data quality control of VOCs	2F VIP2+4	13:30-18:25
专题 2: VOCs 的排放特征、迁移转化及数值模拟研究 Session 2: Variation, Emission and Modelling of VOCs	2F VIP3+5	13:30-18:30
专题 3: VOCs 的反应机理研究 Session 3: Study on the Reaction Mechanism of VOCs	2F VIP1	13:30-15:40
专题 4: VOCs 的毒理学和健康效应研究 Session 4: Toxicology and Health Impacts of VOCs	2F 行政翼会议室 Executive Conference room	13:30-18:00
专题 5: VOCs 在大气污染与气候变化中的作用 Session 5: The Role of VOCs in Air Pollution and Climate Change	2F VIP6+7	13:30-17:35
专题 6: VOCs 与温室气体协同控制技术 Session 6: VOCs and Greenhouse Gas Collaborative Control Technology	1F 红棉厅 A Kapok Grand A	14:00-17:45
专题 7: VOCs 控制材料与技术 Session 7: VOCs Control Materials and Technologies	1F 红棉厅 B Kapok Grand B	13:30-18:30
专题 8: 面向可持续能源的催化技术研究 Session 8: Research on Catalytic Technologies for Sustainable Energy	1F 红棉厅 C Kapok Grand C	13:30-18:00
专题 9: 环境中的催化作用 Session 9: Catalysis in the Environment	2F 威武厅 Weiwu Room	13:30-17:45
专题 10: 室内环境中 VOCs 的化学行为研究 Session 10: Study on the Chemical Behavior of VOCs in Indoor Environment	2F VIP8	13:30-17:10
专题 11: 人工智能技术在 VOCs 研究中的应用 Session 11: Application of Artificial Intelligence Technology in VOCs Research	2F VIP9	13:30-17:30
11月7日(周五)晚 November 7 th (Friday)		

研究生专场 I	Graduate Session I	2F VIP2+4	19:00-20:45
研究生专场 II	Graduate Session II	2F VIP3+5	19:00-20:45
研究生专场 III	Graduate Session III	2F VIP6+7	19:00-20:45
11月8日（周六）上午 November 8 th (Saturday)			
专题 1: VOCs 的仪器分析、测量技术及数据质量控制 Session 1: Instrumental analysis, measurement techniques, and data quality control of VOCs	2F VIP2+4	08:30-12:05	
专题 2: VOCs 的排放特征、迁移转化及数值模拟研究 Session 2: Variation, Emission and Modelling of VOCs	2F VIP3+5	08:30-11:45	
专题 3: VOCs 的反应机理研究 Session 3: Study on the Reaction Mechanism of VOCs	2F VIP1	08:30-11:50	
专题 5: VOCs 在大气污染与气候变化中的作用 Session 5: The Role of VOCs in Air Pollution and Climate Change	2F VIP6+7	08:30-12:30	
专题 6: VOCs 与温室气体协同控制技术 Session 6: Synergistic Control for VOCs and Greenhouse Gases	1F 红棉厅 A Kapok Grand A	08:30-11:45	
专题 7: VOCs 控制材料与技术 Session 7: VOCs Control Materials and Technologies	1F 红棉厅 B Kapok Grand B	08:30-12:05	
专题 8: 面向可持续能源的催化技术研究 Session 8: Research on Catalytic Technologies for Sustainable Energy	1F 红棉厅 C Kapok Grand C	08:30-12:00	
专题 9: 环境中的催化作用 Session 9: Catalysis in the Environment	2F 威武厅 Weiwu Room	08:30-11:40	
专题 10: 室内环境中 VOCs 的化学行为研究 Session 10: Study on the Chemical Behavior of VOCs in Indoor Environment	2F VIP8	08:30-11:25	
专题 11: 人工智能技术在 VOCs 研究中的应用 Session 11: Application of Artificial Intelligence Technology in VOCs Research	2F VIP9	08:30-11:45	
11月8日（周六）下午 November 8 th (Saturday)			
闭幕式暨大会报告 Closing Ceremony & Plenary Sessions	1F 红棉厅 AB Kapok Grand AB	15:00-16:30	
11月7日、8日 November 7 th ,8 th			
优秀环保技术推广展示 Excellent Environmental Protection Technology Promotion and Exhibition			
墙报展示 Poster Presentation			

开幕式暨大会报告

Opening Ceremony & Plenary Sessions

11月7日 09:00-11:40 一层红棉厅AB

November 7th 09:00-11:40 1F Kapok Grand AB Ballroom

开幕式 Opening Ceremony		
主持人：邵敏（暨南大学教授） Chair: Prof. Min Shao (Jinan University)		
09:00-09:05	介绍出席开幕式领导及嘉宾 Introduction to Distinguished Guests	
09:05-09:10	暨南大学校领导致欢迎词 Welcome Address by Jinan University President	
09:10-09:15	广东省生态环境厅领导致辞 Opening Remarks by Deputy Director-General of Department of Ecology and Environment of Guangdong Province	
09:15-09:25	“VOCs 学术创新奖”介绍 Introduction to “VOCs Innovation Awards”	
时 间 Time	发言题目 Speech Title	演讲嘉宾 Plenary speakers
主持人：叶代启（华南理工大学教授） Chair: Prof. Daiqi Ye (South China University of Technology)		
09:25-09:45	A Historical Overview of VOCs and the Modern Understanding of Their Identification and Concentration	Prof. Donald R. Blake (University of California, Irvine, USA)
09:45-10:05	Opportunities and Challenges of Green and Low-Carbon Utilization of Fossil Energy under the Carbon Neutrality Goal	包信和 (中国科学院院士/复旦大学/中国科学院大连化学物理研究所研究员) Prof. Xinhe Bao (Academician of the Chinese Academy of Sciences / Fudan University / Dalian Institute of Chemical Physics, CAS)
10:05-10:25	发言题目待定	刘文清 (中国工程院院士/中国科学院安徽光学精密机械研究所研究员) Prof. Wenqing LIU (Academician of the Chinese Academy of Engineering / Anhui Institute of Optics and Fine Mechanics, CAS)

10:25–10:40	集体合影/茶歇 Group photo & tea break	
主持人：王伯光（暨南大学教授） Chair: Prof. Boguang Wang (Jinan University)		
10:40–11:00	Toxicology and identification of new pollutants	江桂斌 （中国科学院院士/中国科学院生态环境研究中心研究员） Prof. Guibin Jiang (Academician of the Chinese Academy of Sciences/ Research Center for Eco–Environmental Sciences, CAS)
11:00–11:20	VOCs, from forest to sky	Prof. Jonathan Williams (Max Planck Institute for Chemistry, Germany)
11:20–11:40	发言题目待定	张远航 （中国工程院院士/北京大学教授） Prof. Yuanhang Zhang (Academician of Chinese Academy of Engineering / Peking University)

闭幕式暨大会报告

Closing Ceremony & Plenary Sessions

11月8日 15:00-16:30 一层红棉厅AB

November 8th 15:00-16:30 1F Kapok Grand AB Ballroom

时 间 Time	发言题目 Speech Title	演讲嘉宾 Plenary speakers
主持人：郭海（香港理工大学教授） Chair: Prof. Hai Guo (The Hong Kong Polytechnic University)		
15:00-15:20	Interannual variability of O ₃ in PRD	刘绍臣 (世界科学院院士/暨南大学教授) Prof. Shaw Chen Liu (Academician of The World Academy of Sciences / Jinan University)
15:20-15:40	Managing urban biogenic VOC emissions for nature-based air quality solutions	Prof. Alex Guenther (University of California, Irvine, USA)
主持人：陈运法（中国科学院过程工程研究所） Chair: Prof. Yunfa Chen (Institute of Process Engineering, CAS)		
15:40-16:00	The Health Effects of Ambient BTEX Exposure: Epidemiologic Evidence	阚海东 (复旦大学教授) Prof. Haidong Kan (Fudan University)
16:00-16:20	VOC Chemistry: From Complexity to Simplicity	Prof. Mathew Evans (University of York, UK)
闭幕式 Closing ceremony		
主持人：邵敏（暨南大学教授） Chair: Prof. Min Shao (Jinan University)		
16:20-16:25	优秀研究生报告颁奖 Outstanding Graduate Student Presentation Awards	
16:25-16:30	最佳墙报颁奖 Best Poster Awards	

专题 1: VOCs 的仪器分析、测量技术及数据质量控制

Session 1: Instrumental analysis, measurement techniques, and data quality control of VOCs

分会主席: 蒋靖坤 (清华大学 教授)

专题召集人: 袁斌 (暨南大学 教授)

王红丽 (上海市环境科学研究院 正高级工程师)

吕效谱 (香港浸会大学 助理教授)

顾达萨 (香港科技大学 副教授)

专职秘书: 李小兵 (暨南大学 副教授 15302252712)

Session Chair: Jingkun Jiang (Tsinghua University, Professor)

Session Convener: Bin Yuan (Jinan University, Professor)

Hongli Wang (Shanghai Academy of Environmental Sciences, Professor)

Xiaopu Lyu (Hong Kong Baptist University, Assistant Professor)

Dasa Gu (Hong Kong University of Science and Technology, Associate Professor)

Secretary: Xiaobing Li (Jinan University, Associate Professor, 15302252712)

11月7日 13:30-18:25 二层VIP2+4

November 7th 13:30-18:25 2F VIP2+4

主持人: 蒋靖坤 (清华大学 教授) 袁斌 (暨南大学 教授)

顾达萨 (香港科技大学 副教授) 李小兵 (暨南大学 副教授)

Chair: Prof. Jingkun Jiang (Tsinghua University), Prof. Bin Yuan (Jinan University), Prof. Dasa Gu (Hong Kong University of Science and Technology), Prof. Xiaobing Li (Jinan University)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
13:30-13:50	In situ gas chromatography increases the breadth and accuracy of VOC measurements by PTR-TOF-MS	Douglas Worsnop (University of Helsinki & Aerodyne Research Inc. Professor)
13:50-14:05	Analyzing atmospheric oxygenated organic molecules in urban Beijing using CI-Orbitrap	蒋靖坤 (清华大学 教授) Jingkun Jiang (Tsinghua University, Professor)
14:05-14:20	气相与颗粒相在线Orbitrap质谱的开发与外场应用 Measurements of gas- and particle-phase oxygenated organic molecules using NO ₃ -Orbitrap	彭剑飞 (南开大学 教授) Jianfei Peng (Nankai University, Professor)
14:20-14:35	飞行时间质谱仪研制及其在VOCs分析方面的应用 Development of time-of-flight mass spectrometer and its application in VOCs analysis	李磊 (暨南大学 副研究员) Lei Li (Jinan University, Associate Researcher)

14:35-14:50	典型行业VOCs排放通量监测技术及应用 Monitoring technology and application of VOCs emission flux in typical industries	杜天君 (上海环境科学研究院 高工) Tianjun Du (Shanghai Academy of Environmental Sciences, Senior Engineer)
14:50-15:05	大气VOCs组分站数智能化转型创新进展及业务应用 Digital & Intelligent transformation of atmospheric VOCs monitoring: innovations and applications	郑隆武 (无锡中科光电技术有限公司 华南区域总经理) Longwu Zheng (Wuxi CAS Photonics Co.,Ltd, General Manager of South China Region)
15:05-15:20	面向VOCs精细化识别的多维色谱技术研究进展与思考 Insights into multidimensional chromatography for advanced VOCs characterization	何潇 (深圳大学 助理教授) Xiao He (Shenzhen University, Assistant Professor)
15:20-15:30	休息 (Break)	
15:30-15:50	Linking eddy covariance observations to urban emission processes for air pollutants	Thomas Karl (University of Innsbruck, Professor)
15:50-16:10	质子转移反应飞行时间质谱仪 (PTR-TOFMS) 的研制及其在VOCs实时测量与数据质控中的应用 Studies on technique and instrument of prototransfer reaction time-of-flight mass spectrometry (PTR TOF MS) and its applications in VOCs detection	段忆翔 (四川大学 教授) Yixiang Duan (Sichuan University, Professor)
16:10-16:25	化学电离源在线质谱研制及其在VOCs分析中应用 Development of an online chemical ionization TOFMS and its application in VOCs analysis	侯可勇 (山东大学 教授) Keyong Hou (Shandong University, Professor)
16:25-16:40	Hazardous VOCs in Hong Kong: source and health risk assessment	顾达萨 (香港科技大学 副教授) Dasa Gu (Hong Kong University of Science and Technology, Associate Professor)
16:40-16:55	Recent developments in PTR-MS: From cutting edge research to long-term monitoring of VOCs	Tobias Reinecke (Ionicon Analytik, Doctor)
16:55-17:10	反应性有机物近全组分表征技术及其在城市大气溯源中的应用 Method development of the near-complete speciation of reactive organic compounds: Case study of source apportionment in urban atmosphere	楼晟荣 (上海理工大学 副教授) Shengrong Lou (University of Shanghai for Science and Technology, Associate Professor)
17:10-17:25	环境大气挥发性有机物监测数据异常值识别、处理和解释 Outlier detection and interpretation in ambient volatile organic compounds measurement data	王鸣 (南京信息工程大学 副教授) Ming Wang (Nanjing University of Information Science and Technology, Associate Professor)

17:25-17:40	Ambient volatile organic compounds (VOCs) measured online with a compact VUV photoionization mass spectrometer	温作赢 (中国科学院合肥物质科学研究院 副研究员) Zuoying Wen (Hefei Institutes of Physical Science, Chinese Academy of Sciences, Associate Researcher)
17:40-17:55	苏鲁豫皖交界区典型城市干湿热浪下臭氧污染驱动因子研究 Drivers of ozone pollution under dry-wet heatwaves in the Su-Lu-Yu-Wan Border Region	张宜升 (青岛理工大学 副教授) Yisheng Zhang (Qingdao University of Technology, Associate Professor)
17:55-18:10	High resolution, multi-pressure chemical ionization mass spectrometry to study VOC and their oxidation products	HJ Jost (KARSA Inc., Doctor)
18:10-18:25	高分辨率质子转移反应飞行时间质谱技术在VOCs通量测量领域的应用 Application of PTR-ToF-MS in measuring urban VOC fluxes	皇甫宜博 (暨南大学 副研究员) Yibo Huangfu (Jinan University, Associate Researcher)

11月8日 08:30-12:05 二层VIP2+4

November 8th 08:30-12:05 2F VIP2+4

主持人: 刘丹彤 (浙江大学 教授) 吕效谱 (香港浸会大学 助理教授)

黎永杰 (澳门大学 副教授) 莫梓伟 (中山大学 副教授)

Chair: Prof. Dantong Liu (Zhejiang University), Prof. Xiaopu Lyu (Hong Kong Baptist University), Prof. Yongjie Li (University of Macau), Prof. Ziwei Mo (Sun Yat-sen University)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
08:30-08:50	Absolute measurement of glyoxal and its potential	KyungEun Min (Gwangju Institute of Science and Technology, Associate Professor)
08:50-09:05	差分吸收光谱技术在双烯烃、活性醛研究中的应用 Application of DOAS technique in the study of dialkene and reactive aldehydes	王珊珊 (复旦大学 教授) Shanshan Wang (Fudan University, Professor)
09:05-09:20	Response of protonated, adduct, and fragmented ions in Vocus proton-transfer-reaction time-of-flight mass spectrometer (PTR-ToF-MS)	黎永杰 (澳门大学 副教授) Yongjie Li (University of Macau, Associate Professor)
09:20-09:35	大气VOCs的无人机质谱分析装置与方法 Drone-based mass spectrometry for remote detection of hazardous VOCs	胡斌 (暨南大学 副研究员) Bin Hu (Jinan University, Associate Researcher)
09:35-09:50	城市残留层氧化态有机分子测量及其影响评估 Oxygenated organic molecules over the boundary layer aloft in Beijing	王永宏 (中国科学院生态环境研究中心 副研究员) Yonghong Wang (Research Center for Eco-Environmental

		Sciences, Chinese Academy of Sciences, Associate Researcher)
09:50-10:05	颗粒相有机硝酸酯光解对氮氧化物循环的潜在影响 Photolysis of particle-phase atmospherically relevant organic nitrates and their potential impact on NO _x recycling	王羽琛 (湖南大学 副教授) Yuchen Wang (Hunan University, Associate Professor)
10:05-10:20	海南岛热带森林VOCs垂直排放特征及对臭氧生成的影响 Vertical emission characteristics of VOCs from tropical forests in Hainan Island and their impact on ozone formation	周茜 (海南师范大学 副教授) Xi Zhou (Hainan Normal University, Associate Professor)
10:20-10:30	休息 (Break)	
10:30-10:50	利用VOCs和颗粒物同时在线溯源解析臭氧成因和影响 Investigating ozone formation and impacts through simultaneous online source apportionment of VOCs and particulate matter	刘丹彤 (浙江大学 教授) Dantong Liu (Zhejiang University, Professor)
10:50-11:05	基于FTIR技术的VOCs监测仪器及应用 The VOCs monitoring instruments and applications based on FTIR technology	李相贤 (中科院合肥物质科学研究院 研究员) Xiangxian Li (Hefei Institutes of Physical Science, Chinese Academy of Sciences, Researcher)
11:05-11:20	二次有机气溶胶生成机制研究 Study on the formation mechanism of secondary organic aerosol from anthropogenic VOCs	陈天增 (中国科学院生态环境研究中心 副研究员) Tianzeng Chen (Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Associate Researcher)
11:20-11:35	城市污染物对下风向地区二次有机气溶胶挥发性的影响 Effects of urban plumes on the volatility of organic aerosol in downwind regions	蔡明甫 (生态环境部华南环境科学研究所 副研究员) Mingfu Cai (South China Institute of Environmental Sciences, Ministry of Ecology and Environment, Associate Researcher)
11:35-11:50	基于低空边界层观测的VOCs排放估算方法研究 Estimating the VOC emissions by boundary-layer theory and measurement	莫梓伟 (中山大学 副教授) Ziwei Mo (Sun Yat-sen University, Associate Professor)
11:50-12:05	典型区域光化学过程中OVOCs作用机制解析 Mechanism analysis of the role of OVOCs in photochemical processes in typical regions	张坤 (上海大学 讲师) Kun Zhang (Shanghai University, Lecturer)

专题 2：VOCs 的排放特征、迁移转化及数值模拟研究

Session 2: Variation, Emission and Modelling of VOCs

分会主席：王书肖（清华大学 教授）

专题召集人：刘欢（清华大学 教授）

傅宗玖（南方科技大学 教授）

薛丽坤（山东大学 教授）

王伯光（暨南大学 教授）

专职秘书：龚道程（暨南大学 15975578415）

Session Chair: Prof. Shuxiao WANG (Tsinghua University)

Session Convener: Prof. Huan LIU (Tsinghua University)

Prof. Tzung-May FU (Southern University of Science and Technology)

Prof. Likun XUE (Shandong University)

Prof. Boguang WANG (Jinan University)

Secretary: Dr. Daocheng GONG (Jinan University 15975578415)

11月7日 13:30-18:30 二层VIP3+5

November 7th 13:30-18:30 2F VIP3+5

主持人：刘欢（清华大学 教授）

Chairman: Prof. Huan LIU (Tsinghua University)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
13:30-13:45	Mapping urban emissions: point, line, and area sources	Ronald C. Cohen (University of California, Berkeley, Professor)
13:45-14:00	中国不同海湾地区臭氧的形成和累积：共性及个性 Ozone Formation and Accumulation in Different Chinese Bay Areas: Commonalities and Differences	郭海 (香港理工大学 教授) Hai GUO (The Hong Kong Polytechnic University, Professor)
14:00-14:15	Characterization, Reconstructed Inventory, and Air Quality Effects of VOC Emissions from On-road and Shipping Sectors	刘欢 (清华大学 教授) Huan LIU (Tsinghua University, Professor)
14:15-14:30	VOCs 亚类源谱的构建和组成研究 Establishment of sub-type source profiles for VOCs and chemical compositions	孔少飞 (中国地质大学（武汉） 教授) Shaofei Kong (China University of Geosciences, Professor)
14:30-14:45	中国东部人为源和生物源排放相互作用对单萜烯自氧化生成二次有机气溶胶的影响 Interactive Effects of Anthropogenic and	李婧祎 (南京信息工程大学 副教授) Jingyi LI

	Biogenic Emissions on Secondary Organic Aerosol Formation From Monoterpene-Derived HOMs in Eastern China	(Nanjing University of Information Science & Technology, Associate Professor)
14:45-15:00	地沟油-生物柴油的使用对农业机械尾气中 VOCs 与 I/SVOCs 排放的影响 Utilizing Waste Cooking Oil Biodiesel Increases Gaseous VOC Emissions and Reduces Particulate-phase I/SVOC Emissions from Agricultural Machinery Exhaust	张帆 (华东师范大学 副教授) Fan ZHANG (East China Normal University, Associate Professor)
15:00-15:15	休息 (Break)	

主持人：薛丽坤（山东大学 教授）

Chairman: Prof. Likun XUE (Shandong University)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
15:15-15:30	Impact of heatwaves on BVOC emissions	王新明 (中国科学院广州地球化学研究所 研究员) Xinming WANG (Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, Professor)
15:30-15:45	Revisiting the global budget of atmospheric glyoxal: updates on terrestrial and marine precursor emissions, chemistry, and impacts on atmospheric oxidation capacity	傅宗玫 (南方科技大学 教授) Tzung-May FU (Southern University of Science and Technology, Professor)
15:45-16:00	大气关键含卤物质的大气监测与排放溯源研究进展 Recent Advances in Atmospheric Monitoring and Emission Source Attribution of Key Halogenated Substances	方雪坤 (浙江大学 研究员) Xuekun FANG (Zhejiang University, Professor)
16:00-16:15	移动源全挥发性有机物长时序排放清单及 PM _{2.5} 污染影响研究 Multi-Year Full-Volatility Organic Compounds Emission Inventory from Mobile Sources and Its Impact on PM _{2.5} Pollution	赵军超 (中国环境科学研究院 助理研究员) Junchao ZHAO (Chinese Research Academy of Environmental Sciences, Assistant Researcher)
16:15-16:30	中国建筑涂料有机蒸气排放特征：基于功能类型与分散体系的考量 Emission Characteristics of Organic Vapors from Architectural Coatings in China: Considering Functional Types and Dispersion Systems	梁小明 (生态环境部华南环境科学研究所 高级工程师) Xiaoming LIANG (South China Institute of Environmental Science, MEE, Senior Engineer)
16:30-16:45	成都夏季不同人为源 VOCs 减排对臭氧的管控效果研究 Comprehensive evaluation of emission control strategies on anthropogenic VOCs and ozone reduction during Summer in Chengdu	饶芝茵 (四川省生态环境监测总站 高级工程师) Zhihan RAO (Sichuan Provincial Ecological Environment Monitoring Centre, Senior Engineer)
16:45-17:00	休息 (Break)	

主持人：傅宗玫（南方科技大学 教授）

Chairman: Prof. Tzung-May FU (Southern University of Science and Technology)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
17:00-17:15	Trends in emissions and ambient concentrations of VOCs in Japan	Satoru CHATANI (National Institute for Environmental Studies, Japan, Professor)
17:15-17:30	典型非故意排放源的臭氧消耗物排放：钢铁冶炼和生物质燃烧 Unintentional emission of ozone-depleting substances from typical sources: Steel industry and biomass burning	李庆 (复旦大学 教授) Qing LI (Fudan University, Professor)
17:30-17:45	VOCs pollution is concerning in Tibet owing to the plateau-specific atmosphere aggravating anthropogenic emissions	魏巍 (北京工业大学 研究员) Wei WEI (Beijing University of Technology, Professor)
17:45-18:00	机动车 I/SVOCs 排放特征及重要影响因素研究 Vehicular I/SVOC Emissions: Characteristics and Key Influencing Factors	郑轩 (深圳大学 副教授) Xuan ZHENG (Shenzhen University, Associate Professor)
18:00-18:15	Air Quality Penalty of Afforestation Prevented by Anthropogenic Emission Cuts under Carbon Neutrality	马铭晨 (清华大学 助理研究员) Mingchen MA (Tsinghua University, Assistant Researcher)
18:15-18:30	Origins of formaldehyde in a mountainous background atmosphere of southern China	李勤勤 (暨南大学 讲师) Qinqin LI (Jinan University, Lecturer)

11 月 8 日 08:30-11:45 二层 VIP3+5

November 8th 08:30-11:45 2F VIP3+5

主持人：王书肖（清华大学 教授）

Chairman: Prof. Shuxiao WANG (Tsinghua University)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
08:30-08:45	Full-Volatility Organic Emissions from Wildfire and their Air Quality and Health Impacts	王书肖 (清华大学 教授) Shuxiao WANG (Tsinghua University, Professor)
08:45-09:00	De Novo Terpenes emitted from Juvenile Leaves of Eucalyptus globulus Labill. subsp. globulus	Charles Hocart (The Australian National University, Professor)
09:00-09:15	植被异戊二烯排放对植被变化的响应 Biogenic Isoprene Emission response to Changes in Vegetation	王雪梅 (暨南大学 教授) Xuemei WANG (Jinan University, Professor)

09:15-09:30	全球城市绿地排放清单构建及其在高分辨率地球系统模式的应用 Construction of global urban green space emission inventories and their application in high-resolution earth system models	高阳 (中国海洋大学 教授) Yang GAO (Ocean University of China, Professor)
09:30-09:45	植被 BVOC 排放演变及其辐射效应 Evolution of BVOC Emissions from Vegetation and Their Radiative Effects	朱佳雷 (天津大学 教授) Jialei ZHU (Tianjin University, Professor)
09:45-10:00	植被源 VOCs 对我国臭氧影响的数值模拟研究 Exploring Ozone Impacts from biomass-related emissions (BVOCs and biomass burning) with numerical simulation	王楠 (四川大学 副研究员) Nan WANG (Sichuan University, Associate Professor)
10:00-10:15	休息 (Break)	

主持人：王伯光 (暨南大学 教授)

Chairman: Prof. Boguang WANG (Jinan University)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
10:15-10:30	Hyytiälä's Whispering Pines: The Scented Secrets of VOC Flux	Joni Kujansuu (University of Helsinki, Professor)
10:30-10:45	生物源和露天生物质燃烧排放的挥发性有机物对有机硝酸盐的贡献 Contributions of VOC emissions from biogenic and open biomass burning sources to organic nitrate aerosol	应琦 (香港科技大学 教授) Qi Ying (The Hong Kong University of Science and Technology, Professor)
10:45-11:00	黄海浒苔绿潮 VOC 排放特征及环境效应 Emissions of volatile organic compounds from the algal bloom in Yellow Sea and their impacts on air quality	薛丽坤 (山东大学 教授) Likun XUE (Shandong University, Professor)
11:00-11:15	Diurnal and seasonal variations of glyoxal in East Asia: GEMS satellite observations and GEOS-Chem model interpretation	朱雷 (南方科技大学 研究员) Lei ZHU (Southern University of Science and Technology, Professor)
11:15-11:30	四川省不同类型人造板 VOCs 排放特征及成分谱研究 Emission characteristics and composition spectrum of VOCs from different types of wood based panels in Sichuan Province	吕文婷 (四川省生态环境科学研究院 工程师) Wenting LV (Sichuan Academy of Environmental Sciences, Engineer)
11:30-11:45	家用挥发性化学品 (VCPs) 对街谷空气质量影响的数值模拟 Numerical Simulation of the Impact of Household Volatile Chemical Products (VCPs) on Air Quality in Street Canyons	范嘉乐 (中山大学 硕士研究生) Jiale FAN (Sun Yat-sen University, Master's Student)

专题3：VOCs的反应机理研究

Session 3: Study on the Reaction Mechanism of VOCs

分会主席：葛茂发（中国科学院化学研究所 研究员）

杜林（山东大学 教授）

专题召集人：陆克定（北京大学 教授）

王伟罡（中国科学院化学研究所 研究员）

王黎明（华南理工大学 教授）

Hartmut Hermann（德国莱布尼茨对流层研究所 教授）

姬越蒙（广东工业大学 教授）

专职秘书：李坤（山东大学 18660269560）

Session Chair: Maofa Ge (Institute of Chemistry, Chinese Academy of Sciences, Professor)

Lin Du (Shandong University, Professor)

Session Convener: Keding Lu (Peking University, Professor)

Weigang Wang (Institute of Chemistry, Chinese Academy of Sciences,)

Liming Wang (South China University of Technology, Professor)

Hartmut Hermann (Leibniz Institute for Tropospheric Research, Professor)

Yuemeng Ji (Guangdong University of Technology, Professor)

Secretary: Kun Li (Shandong University, 18660269560)

11月7日 13:30-15:40 二层VIP1

November 7th 13:30-15:40 2F VIP1

主持人：杜林（山东大学 教授）

Lin Du (Shandong University, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
13:30-13:50	VOC multiphase processing yielding SOA - hillcap cloud experiments and a new observatory at Mt Schmücke, Germany	Hartmut Herrmann (德国莱布尼茨对流层研究所 教授) (Leibniz Institute for Tropospheric Research, Professor)
13:50-14:05	Molecular Mechanism of Organic Nitrogen Formation from the Reaction of Criegee Intermediates with Ammonia	贾龙 (中国科学院大气物理研究所 研究员) Long Jia (Institute of Atmospheric Physics, Chinese Academy of Sciences, Professor)
14:05-14:20	Rapid formation of hydroxymethyl hydroperoxide and its vital role in methanesulfonic acid-methylamine nucleation: impacts of urban industrial and forested areas	张田雷 (陕西理工大学 教授) Tianlei Zhang (Shaanxi University of Technology, Professor)

14:20-14:35	The ozonation reaction of unsaturated oxygen-containing olefins in the atmosphere	张鹏 (中国科学院生态环境研究中心 副研究员) Peng Zhang (Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Associate Professor)
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主持人：姬越蒙（广东工业大学 教授）

Yuemeng Ji (Guangdong University of Technology, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
14:35-14:55	The nonlinear formation of highly oxygenated organic molecules	聂玮 (南京大学 教授) Wei Nie (Nanjing University, Professor)
14:55-15:10	Investigations of the Reaction Mechanisms of Criegee Intermediates in Atmospheric Chemistry	龙波 (贵州民族大学 教授) Bo Long (Guizhou Minzu University, Professor)
15:10-15:25	The effect of chemical substitution on the transformation of organosulfates	Narcisse Tsona (山东大学 副教授) (Shandong University, Associate Professor)
15:25-15:40	Effect of precursor concentration on secondary organic aerosol formation	陈天增 (中国科学院生态环境研究中心 副研究员) Tianzeng Chen (Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Associate Professor)

11月8日 08:30-11:50 二层VIP1

November 8th 08:30-11:50 2F VIP1

主持人：王黎明（华南理工大学 教授）

Liming Wang (South China University of Technology, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
08:30-08:50	待定	Jingsong Zhang (美国加州大学河滨分校 教授) (University of California, Riverside, Professor)
08:50-09:05	Acylperoxy radicals as key intermediates in the formation of highly oxygenated organic molecules in the atmosphere	赵岳 (上海交通大学 教授) Yue Zhao (Shanghai Jiao Tong University, Professor)
09:05-09:20	Ring-Opening Mechanism of Aromatic Hydrocarbon VOCs Mediated by Singlet Oxygen	杨丽霞 (南昌航空大学 教授) Lixia Yang (Nanchang Hangkong University, Professor)

09:20-09:35	Chemical Formation Mechanism of Organic Sulfate from Hydroxyl Acids in the Atmosphere	殷实 (华南师范大学 副研究员) Shi Yin (South China Normal University, Associate Professor)
09:35-09:50	Vertical distribution and formation mechanism of atmospheric organic aerosols in the urban boundary layer of the Pearl River Delta	周声圳 (中山大学 副教授) Shengzhen Zhou (Sun Yat-sen University, Associate Professor)
09:50-10:05	Potentially overlooked acceleration of free radical cycling and secondary pollutant formation by C4-C10 aldehydes: Insight from H-shift-driven chemical mechanisms	王瑜 (香港理工大学 Research Fellow) Yu Wang (The Hong Kong Polytechnic University, Research Fellow)
10:05-10:15	休息 (Break)	

主持人：赵岳（上海交通大学 教授）

Yue Zhao (Shanghai Jiao Tong University, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
10:15-10:35	Formation and gas-particle partitioning of nitro-phenolic compounds	王哲 (香港科技大学 副教授) Zhe Wang (The Hong Kong University of Science and Technology, Associate Professor)
10:35-10:50	Sulfate Promotes Amine Salt Ozonation in Atmospheric Aerosols	张维娜 (广东工业大学 副教授) Weina Zhang (Guangdong University of Technology, Associate Professor)
10:50-11:05	New Mechanism of Atmospheric Secondary Pollution from Volatile Organic Compounds	马芳芳 (贵州大学 教授) Fangfang Ma (Guizhou University, Professor)
11:05-11:20	Secondary organic aerosol formation from nitrate radical oxidation of styrene: aerosol yields, chemical composition, and hydrolysis of organic nitrates	王羽琛 (湖南大学 副教授) Yuchen Wang (Hunan University, Associate Professor)
11:20-11:35	The Influence of Gas/Particle Phase Distribution on the Nonlinear Relationship between NO _x and SOA Yield	刘仕杰 (山东建筑大学 副研究员) Shijie Liu (Shandong Jianzhu University, Associate Professor)
11:35-11:50	Nocturnal synergistic nitrate radical and ozone oxidation reduces the formation of low-volatility organic compounds from biogenic emissions	臧寒 (上海交通大学 博士后) Han Zang (Shanghai Jiao Tong University, Postdoctoral Fellow)

专题4：VOCs的毒理学和健康效应研究

Session 4: Toxicology and Health Impacts of VOCs

分会主席：徐顺清（海南大学 教授）

阚海东（复旦大学 教授）

专题召集人：李湉湉（中国疾控中心环境所 研究员）

何建辉（香港中文大学 教授）

彭喆（暨南大学 教授）

李庆（复旦大学 教授）

专职秘书：刘亚非（中国疾控中心环境所 15011119717）

Session Chair: Shunqing Xu (Hainan University, Professor)

Haidong Kan (Fudan University, Professor)

Session Convener: Tiantian Li (National Institute of Environmental Health, China CDC, Researcher)

Zhe Peng (Jinan University, Professor)

Ho Kin Fai (The Chinese University of Hong Kong, Professor)

Qing Li, (Fudan University, Professor)

Secretary: Yafei Liu, (National Institute of Environmental Health, China CDC,)

11月7日 13:30-18:00 二层行政翼会议室

November 7th 13:30-18:00 2F Executive Conference room

主持人：李庆 复旦大学 教授 Qing Li (Fudan University, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
13:30-13:50	产前 VOCs 暴露与儿童神经发育/Prenatal exposure to VOCs and children neurodevelopment	徐顺清 Shunqing Xu (海南大学 教授, Hainan University, Professor)
13:50-14:10	典型燃烧源挥发性有机组分的指纹识别与毒性效应 /Fingerprinting and Toxic Effects of Volatile Organic Components from Typical Combustion Sources	李庆 Qing Li, (复旦大学 教授, Fudan University, Professor)
14:10-14:25	Unveiling the impact of volatile chemical products: emissions, environmental Impacts, and health risks	何建辉 Ho Kin Fai (香港中文大学 教授, The Chinese University of Hong Kong, Professor)
14:25-14:40	Health benefits vs. harms from indoor air cleaners	彭喆 Zhe Peng (暨南大学 教授, Jinan University, Professor)

主持人：何建辉（香港中文大学 教授）Ho Kin Fai (The Chinese University of Hong Kong, Professor)

14:40-14:55	2000-2019 年不同区域的人为源排放特征影响全球臭氧总量/Impacts of regional anthropogenic emission changes on global tropospheric ozone burden from 2000 to 2019	张玉强 Yuqiang Zhang (山东大学 教授, Shandong University, Professor)
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14:55-15:10	大气甲醛超光谱卫星遥感与人工智能解析 /Hyperspectral Satellite Remote Sensing and Artificial Intelligence Analysis of Atmospheric Formaldehyde	胡启后 Qihou Hu (中国科学院合肥物质科学研究院 研究员, Hefei Institutes of Physical Science, Chinese Academy of Sciences, Researcher)
15:10-15:25	大气颗粒污染物健康效应及其生物的机制/The association between ambient particular matter pollution and human health and the underlying mechanisms.	林华亮 Hualiang Lin (中山大学 教授, Sun Yat-sen University, Professor)
15:25-15:40	挥发性有机物对儿童青少年精神健康影响/The impact of volatile organic compounds on the mental health of children and adolescents	李晶 Jing Li (北京大学 研究员, Peking University, Professor)
15:40-15:55	休息 (Break)	

主持人：彭喆（暨南大学 教授）Zhe Peng (Jinan University, Professor)

15:55-16:10	居室典型 VOCs 污染的儿童健康危害效应评估 /Characterization of typical VOCs pollution in China residential environment and their impact on children health	王先良 Xianliang Wang (中国疾控中心环境所 研究员, National Institute of Environmental Health, China CDC, Researcher)
16:10-16:25	珠三角地区 PM 2.5 中典型 POPs 浓度和潜在人体暴露风险/Typical POPs in PM2.5 in the Pearl River Delta: Levels, Distribution and Health Implications	曾晓雯 Xiaowen Zeng (中山大学 教授, Sun Yat-sen University, Professor)
16:25-16:40	融合观测与模型解析大气 VOCs 的致癌风险与归因负担/Integrating observation and modeling tools for health risk assessment of VOCs in a global context	熊鹰 Ying Xiong (暨南大学 副教授, Jinan University, Associate Professor)
16:40-17:00	Understanding of the bioactivity and toxicity of secondary organic aerosols formed from the oxidation of biomass burning VOCs under day- and night-time conditions	Alexandre Albinet (INERIS 研究主任, Director of Research)

主持人：熊鹰（暨南大学 副教授）Ying Xiong (Jinan University, Associate Professor)

17:00-17:15	Gas-Phase Reactive Oxygen Species (ROS): An Overlooked Health Risk?	王好 Hao Wang (暨南大学 教授, Jinan University, Professor)
17:15-17:30	臭氧长期暴露的人群疾病谱研究/ Health risks from a spectrum of causes associated with long-term exposure to ozone	杨军 Jun Yang (广州医科大学 教授, Guangzhou Medical University, Professor)
17:30-17:45	空气颗粒物与呼吸健康：流行病学证据及干预研究 /Particulate Matter and Respiratory Health: Insights from Epidemiological and Intervention Studies	雷剑 Jian Lei (西安交通大学 助理教授, Xi'an Jiaotong University, Assistant Professor)
17:45-18:00	青藏高原固体燃料燃烧排放 S/IVOC 与 ATP 竞争结合诱导细胞自噬失衡/ATP competition drives autophagy dysregulation by organic extracts of PM2.5 from solid fuel combustion on Tibetan Plateau	孙健 Jian Sun (西安交通大学 副教授, Xi'an Jiaotong University, Associate Professor)

专题5：VOCs在大气污染与气候变化中的作用

Session 5: The Role of VOCs in Air Pollution and Climate Change

分会主席：邵敏（暨南大学 教授）

专题召集人：胡京南（中国环境科学研究院大气环境研究所 研究员）

郭海（香港理工大学 教授）

李顺诚（香港科技大学（广州） 教授）

雷宇（生态环境部环境规划院大气环境规划研究所 研究员）

专职秘书：王瑜（香港理工大学 852-62049654）

陈伟华（暨南大学 18826084725）

Session Chair:

Min Shao (Professor, Jinan University)

Session Conveners:

Jingnan Hu (Professor, Chinese Research Academy of Environmental Sciences)

Hai Guo (Professor, The Hong Kong Polytechnic University)

Shuncheng Lee (Professor, The Hong Kong University of Science and Technology (Guangzhou))

Yu Lei (Professor, Chinese Academy of Environmental Planning)

Secretariat:

Yu Wang (The Hong Kong Polytechnic University, 852-62049654)

Weihua Chen (Jinan University, 18826084725)

11月7日 13:30-17:35 二层VIP6+7

November 7th 13:30-17:35 2F VIP6+7

主持人：邵敏（暨南大学 教授） 胡建林（南京信息工程大学 教授）

Chair: Prof. Min Shao, Prof. Jianlin Hu

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
13:30-13:45	Odour Pollution: Sources, Measurement, and Innovative Monitoring Approaches	Shuncheng Lee, Professor (The Hong Kong University of Science and Technology (Guangzhou)) 李顺诚 (香港科技大学（广州） 教授)
13:45-14:00	Photolysis Mechanisms of Biogenic Organic Nitrates (RONO ₂) and Their Impacts on Ozone: Evidence from Smog-Chamber Simulations 生物源有机硝酸酯光解机制及其对臭氧影响的烟雾箱模拟	Gehui Wang, Professor (East China Normal University) 王格慧 (华东师范大学 教授)
14:00-14:15	Influence of VOCs on Ozone Formation during Heatwave Conditions in the Sichuan Basin 四川盆地热浪条件下 VOCs 对	Fumo Yang, Professor (Sichuan University) 杨复沫

	臭氧的影响研究	(四川大学 教授)
14:15-14:30	Methods for Assessing VOCs Contributions to Atmospheric SOA Formation: Progress and Prospects 大气中 VOCs 对 SOA 生成贡献评估 方法研究：进展与展望	Hong Li, Professor (Chinese Research Academy of Environmental Sciences) 李红 (中国环境科学研究院 研究员)
14:30-14:45	Long-term Temporal Variations of VOCs, and Their Photochemistry in Wuhan, Central China	Hairong Cheng, Professor (Wuhan University) 成海容 (武汉大学 教授)
14:45-15:00	Photochemical O ₃ Formation in the Pearl River Delta: How Missing OVOCs Drive Model Underestimation Revealed by Direct Measurements	Jun Zhou, Associate Professor (Jinan University) 周俊 (暨南大学 副教授)
15:00-15:15	Atmospheric Oxygenated Volatile Organic Compounds (OVOCs) and Their Photochemical Roles 大气含氧挥发性有机物及其光化学作用	Zhe Wang, Associate Professor (The Hong Kong University of Science and Technology) 王哲 (香港科技大学 副教授)
15:30-15:50	休息 (Break)	

主持人：李顺诚（香港科技大学（广州）教授） 王格慧（华东师范大学 教授）

Chair: Prof. Shuncheng Lee, Prof. Gehui Wang

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
15:50-16:05	Influence of VOCs on the Formation of Near-Surface Ozone over the Tibetan Plateau VOCs在青藏高原近地面臭氧污染形成中的作用	Boguang Wang, Professor (Jinan University) 王伯光 (暨南大学 教授)
16:05-16:20	Heatwave-Induced Enhancements in Anthropogenic VOCs Emissions and Their Impacts on Ozone Pollution 热浪事件中人为源VOCs排放增加及其对臭氧污染的影响	Jingnan Hu, Professor (Nanjing University of Information Science & Technology) 胡建林 (南京信息工程大学 教授)
16:20-16:35	Critical Issues in VOCs Mitigation and Air Pollution Improvement VOCs减排与大气污染改善的关键问题研究	Xinmin Zhang, Professor (Chinese Research Academy of Environmental Sciences) 张新民 (中国环境科学研究院 研究员)
16:35-16:50	Long-Term Trends and Temperature Sensitivity of Ozone in Hong Kong 香港臭氧长期趋势及温度敏感性	Xiaopu Lyu, Assistant Professor (Hong Kong Baptist University) 吕效谱 (香港浸会大学 助理教授)
16:50-17:05	Characteristics and Control Practices of VOCs Pollution in Jiangsu Chemical Industrial Parks 江苏省化工园区 VOCs 污染特征与治理实践	Qiuyue Zhao, Professor (Jiangsu Provincial Academy of Environmental Sciences) 赵秋月 (江苏省环境科学研究院 正高级工程师)

17:05-17:20	Spatiotemporal Distribution Characteristics, Sources, and Environmental Impacts of Volatile Organic Compounds in the Sichuan Basin 四川盆地挥发性有机物时空分布特征、来源及环境影响	Li Han, Associate Professor (Sichuan Academy of Eco-Environmental Sciences) 韩丽 (四川省生态环境科学研究院 副高级工程师)
17:20-17:35	The Impact of VOCs Emission Reduction on the Atmospheric Oxidation Capacity in Urban China	Jianing Dai, Assistant Professor (National University of Defense Technology) 戴佳宁 (国防科技大学 讲师)

11月8日 08:30-12:30 二层VIP6+7

November 8th 08:30-12:30 2F VIP6+7

主持人：郭海（香港理工大学 教授）、赵斌（清华大学 副教授）

Chair: Prof. Hai Guo, Prof. Bin Zhao

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
08:30-08:45	Progress in Volatile Organic Compounds Reactivity Closure Studies in the Atmosphere 大气挥发性有机物活性闭合的研究进展	Min Shao, Professor (Jinan University) 邵敏 (暨南大学 教授)
08:45-09:00	Impacts of Afforestation in Southern China on Ozone pollution 我国南部森林化对臭氧空气质量的影响	Lin Zhang, Research Professor (Peking University) 张霖 (北京大学 研究员)
09:00-09:15	Non-linear Aerosol Formation from Multi-VOC mixtures: Combined Impacts of Volatility and Cross Interactions	Jianhui Ye, Associate Professor (Southern University of Science and Technology) 叶建淮 (南方科技大学 副教授)
09:15-09:30	Emission Inventory and Simulation Application of Anthropogenic Volatile Organic Compounds in Central Plains of China 中原地区人为源挥发性有机物排放清单及模拟应用	Shasha Yin, Associate Professor (Zhengzhou University) 尹沙沙 (郑州大学 副教授)
09:30-09:45	Gas-Particle Partitioning of Carbonyl Compounds in the Ambient Atmosphere 羰基化合物在环境大气中的气粒分配	Hengqing Shen, Research Fellow (The Hong Kong Polytechnic University) 申恒青 (香港理工大学 Research Fellow)
09:45-10:00	Trends in Carbonaceous Aerosols and VOC Pollution Characteristics and Sources in Zhengzhou 郑州市碳质气溶胶演变趋势及挥发性有机物的污染特征、来源	Xiao Li, Assistant Professor (Zhengzhou University) 李晓 (郑州大学 讲师)
10:00-10:15	Development and Application of In-Situ Online Measurement Methods for Terpenes 萜烯类化合物的原位在线测量方法开发与应用研究	Daocheng Gong, Assistant Professor (Jinan University) 龚道程 (暨南大学 助理研究员)

10:15-10:30

休息 (Break)

主持人：胡京南（中国环境科学研究院大气环境研究所 研究员）、张霖（北京大学 研究员）

Chair: Prof. Jingnan Hu, Prof. Lin Zhang

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
10:30-10:45	Ozone Source Apportionment Methods and Applications Based on Observational Data and Chemical Reaction Mechanisms 基于观测数据与化学反应机制的臭氧来源解析方法与应用研究	Lin Peng, Professor (Beijing Jiaotong University) 彭林 (北京交通大学 教授)
10:45-11:00	Impacts of Fully Speciated Organic Compounds Emissions on Ambient Air Quality 全谱有机物排放的空气质量影响	Bin Zhao, Associate Professor (Tsinghua University) 赵斌 (清华大学 副教授)
11:00-11:15	Tropospheric Ozone Trends and Attributions over East and Southeast Asia from 1995-2019: Report from TOAR II East Asia Focus Working Group	Xiao Lu, Associate Professor (Sun Yat-sen University) 卢晓 (中山大学 副教授)
11:15-11:30	Sources of Atmospheric VOCs and Their Environmental Effects 大气挥发性有机物的来源及其环境效应研究	Ying Xiong, Associate Professor (Jinan University) 熊鹰 (暨南大学 副教授)
11:30-11:45	Source Apportionment of Urban VOCs at the Sichuan-Chongqing Border: Accounting for Photochemistry and Regional Transport 川渝交界城区大气VOCs来源解析——以考虑光化学反应和区域传输的影响视角	Fengwen Wang, Associate Professor (Chongqing University) 王锋文 (重庆大学 副教授)
11:45-12:00	Ambient Volatile Organic Compounds and Chamber Study of Ozone Formation from Typical reactive Aromatic in a Industrial City in the Pearl River Delta Region 珠三角工业城市挥发性有机物特征及典型活性芳烃臭氧生成模拟研究	Weiqiang Yang, Associate Professor (Guangdong Provincial Academy of Environmental Sciences) 杨威强 (广东省环境科学研究院 副高级工程师)
12:00-12:15	Ozone Responses to Vegetation-Atmosphere Feedback during Compound Heatwave-Drought Events 热浪-干旱复合极端天气下植被-大气反馈对臭氧污染的影响	Mengmeng Li, Associate Professor (Nanjing University) 李蒙蒙 (南京大学 副教授)
12:15-12:30	Interannual Variability of Atmospheric OVOCs and Comprehensive Source Apportionment in Beijing 北京市大气含氧VOCs年际变化及综合来源识别	Xin Zhang, Assistant Research Fellow (Chinese Academy of Environmental Planning) 张鑫 (生态环境部环境规划院 助理研究员)

专题6：VOCs与温室气体协同控制技术

Session 6: Synergistic Control for VOCs and Greenhouse Gases

分会主席：李俊华（清华大学 教授）

召 集 人：张登松（上海大学 研究员）

董 帆（电子科技大学 教授）

王 强（北京林业大学 教授）

宁 淼（生态环境部环境规划院 研究员）

陈 燕（华南理工大学 教授）

专职秘书：陈培榕（华南理工大学）

Session Chair: Junhua Li (Tsinghua University)

Session Convener: Dengsong Zhang (Shanghai University)

Fan Dong (University of Electronic Science and Technology of China)

Qiang Wang (Beijing Forestry University)

Miao Ning (Chinese Academy of Environmental Planning)

Yan Chen (South China University of Technology)

Secretary: Peirong Chen (South China University of Technology)

11月7日 14:00-17:45 一层红棉厅A

November 7th 13:30-17:45 1F Kapok Grand A Ballroom

主持人：彭 悦（清华大学） 司文哲（吉林大学）

Chair: Yue Peng (Tsinghua University) Wenzhe Si (Jilin University)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
14:00-14:20	Reaction Mechanism Studies for Simultaneous Removal of NO _x and N ₂ O by SCR Using Fe-Zeolite Catalysts	Masaru Ogura (日本东京大学 教授) (University of Tokyo)
14:20-14:40	Mechanism of MSWI Flue Gas Conversion with Fischer-Tropsch Synthesis for SAF	孙轶斐 (海南大学/北京航空航天大学 教授) Yifei Sun (Hainan University / Beihang University)
14:40-15:00	VOCs Pollution Prevention and Control in China's 15 th Five-Year Plan: Future Directions and Key Pathways “十五五”我国挥发性有机物污染防治展望与基本思路	宁淼 (生态环境部环境规划院 研究员) Miao Ning (Chinese Academy of Environmental Planning)
15:00-15:15	AI-Driven Technologies for Leak Detection and Repair in the Synergistic Control of VOCs and Greenhouse Gases VOCs 与温室气体协同控制关键技术—AI 驱动的泄漏检测与修复技术	沙莎 (生态环境部环境工程评估中心) Sha Sha (Appraisal Center for Environment and Engineering)
15:15-15:30	Research on Technological Pathways for Synergistic Control of Pollution and Carbon Emissions in the Petrochemical Industry 石化行业减污降碳协同控制技术路径研究	何少林 (中国石油规划总院 教授) Shaolin He (PetroChina Planning and Engineering Institute)

15:30-15:45	Towards Integrated Strategies for Carbon and Pollutant Reduction in Industrial Coating 工业涂装碳污协同减排探讨	邵霞 (北京市生态环境保护科学研究院) Xia Shao (Beijing Municipal Research Institute of Ecological Environment)
15:45-16:00	休息 (Break)	

主持人 (chair): 刘晓 (华中师范大学) 宁淼 (生态环境部环境规划院)

Chair: Xiao Liu (Central China Normal University) Miao Ning (Chinese Academy of Environmental Planning)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
16:00-16:20	Catalytic Control Technology of N ₂ O Emission from Ammonia-fuel Engine Exhaust	彭悦 (清华大学 副研究员) Yue Peng (Tsinghua University)
16:20-16:40	Defect-Engineered Catalysts for Efficient Volatile Organic Compounds Degradation	司文哲 (吉林大学 教授) Wenzhe Si (Jilin University)
16:40-17:00	Research on Synergistic Reduction of VOCs and Greenhouse Gases Using Economical Solid Waste-Based Environmental Functional Materials	王栋 (山东大学 教授) Dong Wang (Shandong University)
17:00-17:15	High-throughput Screening of Ternary Oxide Catalysts for the Oxidation of Phenol VOCs from EV Parts Production 新能源车关键部件制造酚类 VOCs 氧化用三元金属氧化物催化剂的高通量筛选	肖海麟 (华南理工大学 博士后) Hailin Xiao (South China University of Technology)
17:15-17:30	Low-Frequency Impedance Spectroscopy for New Insights into Elementary Dynamic Processes in the NH ₃ -SCR of NO _x over Cu-Loaded Zeolite Catalysts 低频阻抗谱揭示 Cu 分子筛催化 NH ₃ -SCR 反应的微观动力学	郭安琪 (德国亚琛工业大学 博士生) Anqi Guo (RWTH Aachen University)
17:30-17:45	Rational Design of Confined Cu Dimers in Zeolites for Selective Methane-to-Methanol Oxidation: Mechanistic Insights 分子筛限域 Cu 二聚体的定向构筑及选择性催化氧化甲烷制甲醇机理研究	雷华荣 (华南理工大学 博士后) Huarong Lei (South China University of Technology)

11 月 8 日 08:30-11:45 一层红棉厅 A

November 8th 08:30-11:45 1F Kapok Grand A Ballroom

主持人: 王栋 (山东大学) 高艳珊 (北京林业大学)

Chair: Dong Wang (Shandong University) Yanshan Gao (Beijing Forestry University)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
08:30-08:50	Synergistic Catalytic Control of NO _x and VOCs in Flue Gas 烟气氮氧化物与挥发性有机物协同催化净化	张登松 (上海大学 教授) Dengsong Zhang (Shanghai University)
08:50-09:10	Electrode Design Strategies for Greenhouse Gas Conversion in Protonic Ceramic Electrochemical Cells	Wonyoung Lee (韩国成均馆大学 副教授) (Sungkyunkwan University)
09:10-09:30	Novel Zeolite-confined Catalysts for VOCs Abatement: Performance and Mechanisms 分子筛封装型 VOCs 催化净化新材料：性能和机理研究	彭洪根 (南昌大学 教授) Honggen Peng (Nanchang University)
09:30-09:45	Active Supports for the Direct Synthesis of H ₂ O ₂	Paolo Centomo (意大利帕多瓦大学 副教授) (University of Padua)
09:45-10:00	Interface/surface Chemistry of Manganese Oxide for Catalytic VOCs Oxidation	刘晓 (华中师范大学 教授) Xiao Liu (Central China Normal University)
10:00-10:15	Engineering Core-Shell Architectures for Moisture and Sulfur-Resistant Three-Way Catalysts in Natural Gas Vehicles	何俊 (宁波诺丁汉大学 教授) Jun He (University of Nottingham Ningbo)
10:15-10:30	休息 (Break)	

主持人：陈燕（华南理工大学）彭洪根（南昌大学）

Chair: Yan Chen (South China University of Technology)/ Honggen Peng (Nanchang University)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
10:30-10:45	<i>Ab initio</i> Kinetics-based Investigation of the Factors Affecting HCN Emission during NH ₃ -SCR on Cu-SSZ-13 Zeolites	Abhishek Khetan (德国亚琛工业大学 副教授) (RWTH Aachen University)
10:45-11:00	CO ₂ Chemical Valorization Using Manganese(III) and Copper(II) Complexes with N-heterocyclic Carbene and Phenolate Ligands	Cristina Tubaro (意大利帕多瓦大学 副教授) (University of Padua)
11:00-11:15	CO ₂ /NO _x Storage and Reduction (CNSR) Technology — a New Concept for Flue Gas Treatment	高艳珊 (北京林业大学 教授) Yanshan Gao (Beijing Forestry University)
11:15-11:30	Research on Plasma-Catalyzed Synergistic Resource Utilization of CO ₂ and Hydrocarbons 等离子体催化 CO ₂ 与碳氢化合物协同资源化研究	孙玉海 (浙江工商大学 讲师) Yuhai Sun (Zhejiang Gongshang University)
11:30-11:45	H ₂ O-enabled Switch of CO Oxidation Pathway on Zeolite-confined Cationic Pd Catalysts 水分子对分子筛限域 Pd 催化 CO 氧化的增强效应与微观机制	熊梧琬 (肇庆学院 讲师) Wuwang Xiong (Zhaoqing University)

专题7：VOCs控制材料与技术

Session 7: VOCs Control Materials and Technologies

分会主席：黄海保（新疆大学/中山大学 教授）

专题召集人：叶代启（华南理工大学 教授）

郝郑平（中国科学院大学 教授）

邓积光（北京工业大学 教授）

专职秘书：刘璧源（新疆大学/香港大学 13824476076）

杨婧玲（暨南大学 13432079684）

Session Chair: Huang Haibao (Xinjiang University/Sun Yat-sen University, Professor)

Session Convener: Ye Daiqi (South China University of Technology, Professor)

Hao Zhengping (University of Chinese Academy of Sciences, Professor)

Deng Jiguang (Beijing University of Technology, Professor)

Secretary: Liu Biyuan (Xinjiang University/The University of Hong Kong, 13824476076)

Yang Jingling (Jinan University, 13432079684)

11月7日 13:30-18:30 一层红棉厅B

November 7th 13:30-18:30 1F Kapok Grand B Ballroom

主持人：叶代启（华南理工大学 教授）

Ye Daiqi (South China University of Technology, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
13:30-13:50	VOCs 污染控制及资源化研究 Research on VOCs Pollution Control and Resource Utilization	邓积光 (北京工业大学 教授) Deng Jiguang (Beijing University of Technology, Professor)
13:50-14:10	“热量-动量-质量”三传耦合协同 VOCs 脱附 机制研究 Functional Unit Construction of Porous Materials for Boosting VOCs Adsorption-Desorption Efficiency Under High-Humidity Conditions	赵祯霞 (广西大学 教授) Zhao Zhenxia (Guangxi University, Professor)
14:10-14:30	高抗性包裹型 VOCs 氧化催化剂设计及应用 Design and Application of High-Resistant Encapsulated VOCs Oxidation Catalysts	翁小乐 (浙江大学 教授) Weng Xiaole (Zhejiang University, Professor)
14:30-14:45	单线态氧介导的芳香烃 VOCs 苯环开环机制 研究 Ring-Opening Mechanism of Aromatic Hydrocarbon VOCs Mediated by Singlet Oxygen	杨丽霞 (南昌航空大学 教授) Yang Lixia (Nanchang Hangkong University, Professor)

14:45-15:00	MOFs 基催化剂降解 VOCs 性能及残留物种迁移转化机制研究 Study on the Degradation Performance of VOCs by MOFs-Based Catalysts and the Mechanism of Residual Species Migration and Transformation	张晓东 (上海理工大学 教授) Zhang Xiaodong (University of Shanghai for Science and Technology, Professor)
15:00-15:15	电流辅助丙烷燃烧 Pt 基催化剂的设计与合成 Design and Synthesis of Pt-Based Catalysts for Electrically-Assisted Propane Combustion	张一波 (中国科学院赣江创新研究院 研究员) Zhang Yibo (Ganjiang Innovation Academy, Chinese Academy of Sciences, Researcher)
15:15-15:30	Brønsted Acid Sites in Zeolite for Low-Temperature CO Oxidation over Generated Reactive Oxygen Species on Ozone	李伶俐 (沈阳师范大学 教授) Li Lingcong (Shenyang Normal University, Professor)
15:30-15:45	焦炉煤气含硫 VOCs 定向转化及硫-碳协同资源化利用 Directional Catalysis of Sulfur-VOCs in Coke Oven Gas for Synergistic Sulfur-Carbon Resource Recovery	陆继长 (昆明理工大学 副教授) Lu Jichang (Kunming University of Science and Technology, Associate Professor)
15:45-16:00	基于同步辐射的含硫 VOC 深度净化技术及机理研究 Research on the Deep Purification Technology and Mechanism of Sulfur-containing VOCs Based on Synchrotron Radiation	赵顺征 (北京科技大学 副教授) Zhao Shunzheng (University of Science and Technology Beijing, Associate Professor)
16:00-16:10	休息 (Break)	

主持人：罗永明（昆明理工大学 教授）

Luo Yongming (Kunming University of Science and Technology, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
16:10-16:30	孔材料与 VOCs 控制技术应用 Functional Porous Materials and Technologies for VOCs Control and Applications	郝郑平 (中国科学院大学 教授) Hao Zhengping (University of Chinese Academy of Sciences, Professor)
16:30-16:50	大气光化学与环境催化界面过程及其 AI 融合探索 Interfacial Processes in Atmospheric Photochemistry/Environmental Catalysis and their Integration with AI	董帆 (电子科技大学 教授) Dong Fan (University of Electronic Science and Technology of China, Professor)
16:50-17:10	VOCs 杂原子 VOCs 污染控制材料与过程 Pollution Control Materials and Processes for Heteroatomic	何 焱 (西安交通大学 教授) He Chi (Xi'an Jiaotong University, Professor)
17:10-17:30	挥发性有机物低温催化氧化与转化 Low Temperature Catalytic Oxidation and Conversion of Volatile Organic Compounds	刘雨溪 (北京工业大学 教授) Liu Yuxi (Beijing University of Technology, Professor)

17:30-17:45	硅分子筛中不同 Fe 位点协同氧化 VOCs 作用机制研究 Study on the Synergistic Oxidation Mechanism of VOCs by Different Fe Sites in Silicalite Zeolite	于庆君 (北京科技大学 副教授) Yu Qingjun (University of Science and Technology Beijing, Associate Professor)
17:45-18:00	臭氧催化分解机制研究 Mechanistic Insights into the Catalytic Ozone Decomposition	杨婧玲 (暨南大学 副教授) Yang Jingling (Jinan University, Associate Professor)
18:00-18:15	碱金属修饰 Pt/CeO ₂ 催化剂的制备与甲苯氧化机理研究 Preparation and Toluene Oxidation Mechanism of Alkali Metal-Modified Pt/CeO ₂ Catalysts	任泉明 (广州市职业病防治院 副研究员) Ren Quanming (Guangzhou Occupational Disease Prevention and Treatment Hospital, Associate Researcher)
18:15-18:30	界面工程设计的内建电场驱动 ROS 持续产生实现 VOC 可持续降解 Interface-Engineered Internal Electric Field Drives Continuous ROS Generation for Long-Lasting VOC Degradation	谢晓纹 (中山大学 博士后) Xie Xiaowen (Sun Yat-sen University, Postdoctoral Fellow)

11月8日 08:30-12:05 一层红棉厅B

November 8th 08:30-12:05 1F Kapok Grand B Ballroom

主持人：郝郑平（中国科学院大学 教授）

Chair: Hao Zhengping（University of Chinese Academy of Sciences, Professor）

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
08:30-08:50	多污染物协同深度氧化 Synergistic Advanced Oxidation of Multiple Pollutants	黄海保 (新疆大学/中山大学 教授) Huang Haibao (Xinjiang University/Sun Yat-sen University, Professor)
08:50-09:10	气态碳氟污染物控制 Research on Degradation of Gaseous PFAS Pollutants	刘敏 (中南大学 教授) Liu Min (Central South University, Professor)
09:10-09:30	基于电流强化的高效 VOCs 催化氧化技术 Efficient VOCs Catalytic Oxidation Technology Based on Current Enhancement	刘庆岭 (天津大学 教授) Liu Qingling (Tianjin University, Professor)
09:30-9:45	非贵金属氧化物界面强化催化氧化活性与抗烧结性能 Non-precious Metal Oxide interface in Driving Oxidation Activity and Sintering Resistance	唐文翔 (四川大学 教授) Tang Wenxiang (Sichuan University, Professor)
09:45-10:00	多组分污染物的协同催化降解及其相互作用影响机制 Synergistic Catalytic Degradation of Multi-	曾译葵 (嘉应学院 讲师) Zeng Yikui

	Component Pollutants and Their Interaction Mechanisms	(Jiaying University, Lecturer)
10:00-10:15	双金属节点协同调控 MOF 不饱和位点实现长效稳定氨吸附 Metal Node Control of Coordinatively Unsaturated Sites in Heterobimetallic MOFs for Stable and High Ammonia Adsorption	舒亚婕 (武汉纺织大学 讲师) Shu Yajie (Wuhan Textile University, Lecturer)
10:15-10:25	休息 (Break)	

主持人：程杰（中国科学院大学 教授）

Cheng Jie (University of Chinese Academy of Sciences, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
10:25-10:45	臭氧室温催化分解过程中水中毒的研究 Study on Water Poisoning in the Catalytic Decomposition Process of Ozone at Room Temperature	王卫超 (南开大学 教授) Wang Weichao (Nankai University, Professor)
10:45-11:05	电磁强化 VOCs 催化氧化的研究与应用 Study and Application of Electromagnetic Enhanced Catalytic Oxidation of VOCs	贾宏鹏 (中国科学院城市环境研究所 研究员) Jia Hongpeng (Institute of Urban Environment, Chinese Academy of Sciences, Researcher)
11:05-11:20	CVOCs 热催化降解中催化剂的抗毒化性能研究 Enhancing Catalyst Poisoning Resistance for Thermal Catalytic Degradation of CVOCs	孙钰琨 (长安大学 副教授) Sun Yukun (Chang'an University, Associate Professor)
11:20-11:35	羟基介导催化臭氧氧化活性位点设计 Study on the Performance Enhancement of Room Temperature Ozone Catalytic Oxidation of VOCs by Hydroxyl-Regulated Carriers	张博格 (广西大学 助理教授) Zhang Boge (Guangxi University, Assistant Professor)
11:35-11:50	光催化深度氧化多组分 VOCs Photocatalytic Advanced Oxidation of Multicomponent VOCs	刘璧源 (新疆大学/香港大学 助理教授) Liu Biyuan (Xinjiang University/The University of Hong Kong, Assistant Professor)
11:50-12:05	锰基催化剂表面氧空位调控及甲苯催化氧化研究 Study on Surface Oxygen Vacancy Regulation of Manganese-Based Catalysts and Catalytic Oxidation of Toluene	郭娜 (河南工业大学 讲师) Guo Na (Henan University of Technology, Lecturer)

专题8：面向可持续能源的催化技术研究

Session 8: Research on Catalytic Technologies for Sustainable Energy

分会主席：李永丹（鄂尔多斯实验室 教授）

专题召集人：马丁（北京大学 教授）

严克友（华南理工大学 教授）

陈礼敏（华南理工大学 教授）

陈鸿（天津大学 副教授）

张翠娟（天津大学 副教授）

专职秘书：赵宜成（天津大学 13612125034）

Session Chair: Yongdan Li (Ordos Laboratory, Professor)

Session Convener: Ding Ma(Peking University, Professor)

Keyou Yan (South China University of Technology, Professor)

Limin Chen (South China University of Technology, Professor)

Hong Chen (Tianjin University, Associate Professor)

Cuijuan Zhang (Tianjin University, Associate Professor)

Secretary: Yicheng Zhao (Tianjin University 13612125034)

11月7日 13:30-18:00 一层红棉厅C

November 7th 13:30-18:00 1F Kapok Grand C Ballroom

主持人：郭新闻（大连理工大学，教授）；芮泽宝（中山大学，教授）

Chairpersons: Xinwen Guo (Dalian University of Technology, Professor); Zebao Rui (Sun Yat-sen University, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
13:30-13:55	Catalytic biomass valorization and process intensification	李雪辉 教授 华南理工大学 Xuehui Li, Professor South China University of Technology
13:55-14:20	A new synthetic route for substances using carbon dioxide, nitrogen and water as raw materials	刘明凯 教授 安徽工业大学 Mingkai Liu, Professor Anhui University of Technology
14:20-14:45	Renewable energy-driven electrocatalytic conversion of carbon dioxide to ethylene	张士汉 教授 浙江工业大学 Shihan Zhang, Professor Zhejiang University of Technology
14:45-15:00	负载单原子催化模型原子尺度构建与动态表征 Atomic-Level Structure Dynamics of Supported Single-Atom Model Catalysts	刘云 研究员 中科院城市环境研究所 Yun Liu, Professor Institute of Urban Environment, CAS
15:00-15:15	浅析低碳化合物催化转化中水的影响 A preliminary analysis of the impact of water	张洪波 教授 南开大学

	in the catalytic transformation of light hydrocarbons	Hongbo Zhang, Professor Nankai University
15:15-15:30	ZSM-5 分子筛精确骨架 Al 分布及其主客体关系研究 Atomic locations and adsorbate interactions of Al single and pair sites in H-ZSM-5 zeolite	李光超 副教授 香港理工大学 Guangchao Li, Associate Professor The Hong Kong Polytechnic University
15:30-15:45	VOCs 治理新策略：“存储-原位氧化”循环脱除与电解水制氢耦合催化甲醛氧化 New Strategies for VOCs Elimination: “Storage-In Situ Oxidation”and Electrochemical Oxidation	陈冰冰 副教授 大连理工大学 Bingbing Chen, Associate Professor Dalian University of Technology
15:45-16:10	休息 (Break)	

主持人：张士汉（浙江工业大学，教授）；刘明凯（安徽工业大学，教授）

Chairpersons: Shihan Zhang (Zhejiang University of Technology, Professor); Mingkai Liu (Anhui University of Technology, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
16:10-16:35	二氧化碳催化转化制高附加值化学品 The Catalytic Conversion of CO ₂ into Value-added Chemicals	郭新闻 教授 大连理工大学 Xinwen Guo, Professor Dalian University of Technology
16:35-17:00	光驱动光热协同催化固氮体系的构建 Construction of Light-driven Photothermal Synergetic Catalytic Nitrogen Fixation System	芮泽宝 教授 中山大学 Zebao Rui, Professor Sun Yat-sen University
17:00-17:15	乙烷氧化脱氢层状分子筛双功能催化剂的研究 Construction of Bifunctional MWW Zeolite Catalyst for Ethane Oxidative Dehydrogenation	金放 教授 武汉工程大学 Fang Jin, Professor Wuhan Institute of Technology
17:15-17:30	CO ₂ 电催化还原制备甲酸催化剂设计与微环境调控 Catalyst Design and Microenvironment Regulation for CO ₂ Electrocatalytic Reduction to Formic Acid	赵化望 副教授 华侨大学 Huawang Zhao, Associate Professor Huaqiao University
17:30-17:45	Oriented Electron Transfer via C-N-Ni Channel for Superior Photo-thermal Methane Dry Reforming	潘婷婷 博士后 宁波东方理工大学 Tingting Pan, Postdoctor Eastern Institute of Technology, Ningbo
17:45-18:00	碳化钨基催化剂光热/磁热催化 CO ₂ 逆水煤气变换反应的研究 Study on the Photothermal/magnetothermal Catalysis of CO ₂ Hydrogenation via Reverse Water-Gas Shift Reaction	郭晓琳 讲师 中国计量大学 Xiaolin Guo, Assistant Professor China Jiliang University

11月8日 08:30-12:00 一层红棉厅C

November 8th 08:30-12:00 1F Kapok Grand C Ballroom

主持人：李永丹（鄂尔多斯实验室，教授）；严克友（华南理工大学，教授）

Chairpersons: Yongdan Li (Ordos Laboratory, Professor); Keyou Yan (South China University of Technology, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
08:30-08:55	甲烷直接选择催化转化研究 Study on the Direct Selective Catalytic Conversion of Methane	赵震 教授 沈阳师范大学/中国石油大学（北京） Zhen Zhao, Professor Shenyang Normal University/China University of Petroleum -Beijing
08:55-09:20	Unravelling energy conversion mechanisms in photocatalysts and biohybrids by operando functional imaging	毛献文 校长青年教授 新加坡国立大学 Xianwen Mao, Presidential Young Professor National University of Singapore
09:20-09:35	固废回收过渡金属氧化物催化剂实现高效电 化学合成 Upcycling of solid waste into metal oxide catalysts for electrosynthesis	陈燕 教授 华南理工大学 Yan Chen, Professor South China University of Technology
09:35-09:50	中空纤维电极透散效应促进高效 CO ₂ 电催 化 Highly efficient ampere-level CO ₂ electroreduction via hollow-fiber penetration electrodes	董笑 副研究员 中科院上海高等研究院 Xiao Dong, Associate Professor Shanghai Advanced Research Institute, CAS
10:00-10:25	休息 (Break)	

主持人：赵震（沈阳师范大学/中国石油大学（北京），教授）；金放（武汉工程大学，教授）

Chairpersons: Zhen Zhao (Shenyang Normal University/China University of Petroleum -Beijing, Professor); Fang Jin (Wuhan Institute of Technology, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
10:25-10:50	Recent progress on electrode materials for solid oxide fuel cells	李永丹 教授 鄂尔多斯实验室 Yongdan Li, Professor Ordos Laboratory
10:50-11:15	Metal Halide Modulation for Sustainable Energy and Environment	严克友 教授 华南理工大学 Keyou Yan, Professor South China University of Technology
11:15-11:30	镍基催化剂催化还原酶解木质素为高品质烃类燃料 The conversion of enzymatic hydrolysis lignin into high-quality hydrocarbon fuels over a Nickel-based catalyst	陈鸿 副教授 天津大学 Hong Chen, Associate Professor Tianjin University
11:30-11:45	Construction and Performance of Catalysts for CO ₂ Hydrogenation to Synthesize Oxygen-Containing Chemicals	王宁 教授 北京工业大学 Ning Wang, Professor Beijing University of Technology

专题9：环境中的催化作用

Session 9: Catalysis in the Environment

分会主席：马金珠（中国科学院城市环境研究所 研究员）

专题召集人：屠昕（英国利物浦大学 教授）

胡芸（华南理工大学 教授）

刘福东（美国加州大学河滨分校 副教授）

专职秘书：李佳琪（华南理工大学 13126727056）

Session Chair: Jinzhu Ma (Institute of Urban Environment, CAS, Professor)

Session Convener: Xin Tu (University of Liverpool, Professor)

Yun Hu (South China University of Technology, Professor)

Fudong Liu (University of California Riverside, Associate Professor)

Secretary: Jiaqi Li (South China University of Technology, 13126727056)

11月7日 13:30-17:45 二层威武厅

November 7th 13:30-17:45 2F Weiwu Room

主持人：楚碧武（中国科学院生态环境研究中心 研究员）

王征（中国科学院生态环境研究中心 研究员）

Chair: Biwu Chu (Research Center for Eco-Environmental Sciences, CAS, Professor)

Zheng Wang (Research Center for Eco-Environmental Sciences, CAS, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
13:30-13:50	Machine-Learning-Guided Discovery of CH ₄ Combustion Catalysts	Takashi Toyao (Hokkaido University, Associate Professor) (北海道大学 副教授)
13:50-14:10	Study On Typical VOCs Removal Catalysts from Purified Terephthalic Acid Industrial Tail Gas	Zan Qu (Shanghai Jiao Tong University/Xinjiang University, Professor) 瞿赞 (上海交通大学/新疆大学 教授)
14:10-14:30	Plasma Catalysis for Power-to-X: Bridging Renewable Energy and e-Fuel Production	Xin Tu (University of Liverpool, Professor) 屠昕 (利物浦大学 教授)
14:30-14:45	Development of MeOH-SCR deNO _x Process : From Laboratory Insights to Pilot-Scale Validation	Haijun Chen (Nankai University, Professor) 陈海军 (南开大学 教授)
14:45-15:00	Interface Reactions on Urban Buildings and Their Impact on the Atmospheric Environment	Biwu Chu (Research Center for Eco-Environmental Sciences, CAS, Professor) 楚碧武

		(中国科学院生态环境研究中心 研究员)
15:00–15:15	Exhaust Gas Control Technology for Gasoline Vehicles Complying with Future Emission Standard 7 of China	Ningqiang Zhang (Northeastern University, Professor) 张宁强 (东北大学 教授)
15:15–15:30	Research on Ag–based Catalysts for Selective Catalytic Oxidation of Ammonia (NH ₃ –SCO)	Fei Wang (Kunming University of Science and Technology, Professor) 王飞 (昆明理工大学 教授)
15:30–15:50	Break (休息)	

主持人：于晓琳（北京科技大学 教授）

何广智（中国科学院生态环境研究中心 研究员）

Chair: Xiaolin Yu (University of Science and Technology Beijing, Professor)

Guangzhi He (Research Center for Eco–Environmental Sciences, CAS, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
15:50–16:10	Low–Temperature Catalytic Purification of Short–Chain Hydrocarbons	Yanbing Guo (Central China Normal University, Professor) 郭彦炳 (华中师范大学 教授)
16:10–16:30	Design of NH ₃ –SCR Catalyst and Regulation of Reaction Pathway	Guangzhi He (Research Center for Eco–Environmental Sciences, CAS, Professor) 何广智 (中国科学院生态环境研究中心 研究员)
16:30–16:45	Carbon Dioxide Conversion and Water Splitting based on Particulate Photocatalysts	Zheng Wang (Research Center for Eco–Environmental Sciences, CAS, Professor) 王征 (中国科学院生态环境研究中心 研究员)
16:45–17:00	Typical VOCs and Odor Abatement via Transition Metal Oxide Catalysts Mediated by Oxygen and Metal Vacancies	Mingli Fu (South China University of Technology, Professor) 付名利 (华南理工大学 教授)
17:00–17:15	Study of Highly Efficient Catalysts for Elimination of VOCs And SO ₂ –Tolerance Mechanism	Xiaolin Yu (University of Science and Technology Beijing, Professor) 于晓琳 (北京科技大学 教授)

17:15–17:30	Site-Specific Spin State Modulation in Spinel Oxides for Enhanced Catalytic Oxidation	Ting Wang (Xiamen University, Associate Professor) 汪婷 (厦门大学 副教授)
17:30–17:45	Photothermal Catalytic CO ₂ Reduction via Regulating Interfacial Electron Transfer	Qiang Li (Institute of Urban Environment, CAS, Assistant Research Fellow) 李强 (中国科学院城市环境研究所 助理研究员)

11 月 8 日 08:30–11:40 二层威武厅

November 8th 08:30-11:40 2F Weiwu Room

主持人：胡芸（华南理工大学 教授）

陈海军（南开大学 教授）

Chair: Yun Hu (South China University of Technology, Professor)

Haijun Chen (Nankai University, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
08:30-08:50	High-Entropy Alloy Nanoparticle Catalyst for Energy and Environmental Application	Kohsuke Mori Osaka University, Professor (大阪大学 教授)
08:50-09:10	Nanometric Bimetal Overlayer Catalysts for Selective NH ₃ Oxidation	Masato Machida Kumamoto University, Professor (熊本大学 教授)
09:10-09:25	Research on Low-Temperature Catalytic Oxidation of VOCs and Catalytic Reduction of Urban Ozone	Yafei Wang (Beijing Institute of Petrochemical Technology, Professor) 王亚飞 (北京石油化工学院 教授)
09:25-09:40	The Relationship Between Structure and Ozone Degradation Properties of Transition Metal Oxides	Ning Han (Institute of Process Engineering, CAS, Professor) 韩宁 (中国科学院过程工程研究所 研究员)
09:40-09:55	Photocatalytic Oxidation of Low Concentration Isoprene in the Atmosphere	Yongchun Liu (Beijing University of Chemical Technology, Professor) 刘永春 (北京化工大学 教授)
09:55-10:15	Break (休息)	

主持人：刘永春（北京化工大学 教授）
Chair: Yongchun Liu（Beijing University of Chemical Technology, Professor）

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
10:15-10:35	Construction and Mechanistic Investigation of Photocatalytic Systems Based on Metal-Organic Frameworks	Zhenfeng Bian (Shanghai Normal University, Professor) 卞振锋 (上海师范大学 教授)
10:35-10:55	Advancing Pd and Pt Catalysts for the Selective Catalytic Reduction of NO _x with Hydrogen	Fudong Liu (University of California Riverside, Associate Professor) 刘福东 (加州大学河滨分校 副教授)
10:55-11:10	Research on the Mechanism of Catalyst Surface Microstructure's Influence on Its Catalytic Degradation Activity of VOCs	Meicheng Wen (Guangdong University of Technology, Professor) 温美成 (广东工业大学 教授)
11:10-11:25	Design and Catalytic Role of Active Oxygen in VOCs Oxidation	Qian Zhao (Tianjin University, Associate Professor) 赵倩 (天津大学 副研究员)
11:25-11:40	Preparation and Application of Clay Mineral Based VOC Oxidation Catalyst	Dongdong Li (Xiangnan University, Lecturer) 李冬冬 (湘南学院 讲师)

专题10：室内环境中VOCs的化学行为研究

Session 10: Study on the Chemical Behavior of VOCs in Indoor Environment

分会主席：许瑛（清华大学 副教授）

专题召集人：刘颖君（北京大学 副教授）

莫金汉（深圳大学 教授）

王辰（南方科技大学 副教授）

王好（暨南大学 研究员）

专职秘书：李勤勤（暨南大学 18588400214）

Session Chair: Xu Ying (Tsinghua University, Associate Professor)

Session Convener: Liu Yingjun (Peking University, Associate Professor)

Mo Jinhan (Shenzhen University, Professor)

Wang Chen (Southern University of Science and Technology, Associate Professor)

Wang Hao (Jinan University, Professor)

Secretary: Li Qinqin (Jinan University 18588400214)

11月7日 13:30-17:10 二层VIP8

November 7th 13:30-17:10 2F VIP8

主持人：许瑛（清华大学 副教授）

Host: Assoc. Prof. Xu Ying (Tsinghua University)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
13:30-13:50	The Impact of Climate Change on Dynamics and Reactions of Indoor Pollutants	Tunga Salthammer (Fraunhofer Institute for Wood Research 德国 弗朗霍夫木材研究所 教授)
13:50-14:10	Unveiling the Hidden Chemistry of Indoor Combustion	Sasho Gligorovski (Guangdong Technion-Israel Institute of Technology 广东以色列理工学院 教授)
14:10-14:25	Indoor chemistry in the kitchen environment	Erik Uhde (Fraunhofer Institute for Wood Research 德国 弗朗霍夫木材研究所 教授)
14:25-14:40	Secondary emissions from indoor ozone chemistry: Unrecognized risk to emotional well-being	刘颖君 Liu Yingjun (Peking University 北京大学 副教授)
14:40-14:55	Emissions of Methane and Carbonyl pollutants from Residential Gas Stoves and the Environmental Impact	顾建伟 Gu Jianwei (Guangdong University of Technology 广东工业大学 教授)
14:55-15:10	Research on Long-term Emission Characteristics of VOCs in the Vehicle Cabin	黄少丹 Huang Shaodan (Peking University 北京大学 研究员)

15:10-15:25	Understanding the Chemical Characteristics and Gas-Liquid Microinterface Pathways for Efficient Indoor VOC Degradation	谢锐杰 Xie Ruijie (Shenzhen University 深圳大学 副教授)
15:25-15:35	休息 break	

主持人：莫金汉（深圳大学 教授）

Host: Prof. Mo Jinhan (Shenzhen University)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
15:35-15:55	Real-Time Molecular Characterization of Indoor Air Pollutants in a Hong Kong Residence: Insights into Indoor Chemistry and Health Risks	郭海 Guo Hai (The Hong Kong Polytechnic University 香港理工大学 教授)
15:55-16:10	Estimates of fuel combustion-related volatile toxic organics in indoor space	沈国锋 Shen Guofeng (Peking University 北京大学 研究员)
16:10-16:25	Effect of climate change on health exposure to indoor phthalate esters	王新轲 Wang Xinke (Xi'an Jiaotong University 西安交通大学 教授)
16:25-16:40	Emission characteristics of chemical pollutants in indoor environments	熊建银 Xiong Jianyin (Beijing Institute of Technology 北京理工大学 研究员)
16:40-16:55	The Impact of Indoor Sourced VOCs on Indoor and Outdoor Atmospheric Environments	王辰 Wang Chen (Southern University of Science and Technology 南方科技大学 副教授)
16:55-17:10	Modulation of Catalyst Surface Sites Boosts High-Efficiency Purification of Indoor Formaldehyde	董韬 Dong Tao (Sun Yat-sen University 中山大学 博士后)

11月8日 08:30-11:25 二层VIP8

November 8th 08:30-11:25 2F VIP8

主持人：刘颖君（北京大学 副教授）

Host: Assoc. Prof. Liu Yingjun (Peking University)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
08:30-08:50	报告题目待定	刘俊杰 Liu Junjie (Tianjin University 天津大学 教授)

08:50-09:10	Indoor Plasticizer Pollution: Distribution Characteristics and Composite Gas-Solid Interfacial Adsorption Mechanisms	莫金汉 Mo Jinhan (Shenzhen University 深圳大学 教授)
09:10-09:25	Indoor VOC Exposure and Health Effects: From Pollution Monitoring to Impact Assessment in Human Populations	向建帮 Xiang Jianbang (Sun Yat-sen University Shenzhen Campus 中山大学深圳 副教授)
09:25-09:40	Characteristics, sources, and risk assessment of volatile organic compounds in a subway environment - A case study in Xi'an, China	修蒙 Xiu Meng (Chengdu University of Information Technology 成都信息工程大学 讲师)
09:40-09:55	Skin Absorption and Toxicokinetics of VOCs from Personal Care Product	林楠 Lin Nan (Tsinghua Shenzhen International Graduate School 清华大学深圳国际研究生院 助理教授)
09:55-10:10	Ozone Chemistry on Kitchen Surfaces Leading to Volatile Organic Compound Formation in Indoor Air	邓惠帆 Deng Huifan (Southern University of Science and Technology 南方科技大学 博后)
10:10-10:20	休息 break	

主持人：王辰（南方科技大学 副教授）

Host: Assoc. Prof. Wang Chen (Southern University of Science and Technology)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
10:20-10:40	Indoor Persistence of SVOCs: High-Throughput Surface Sorption Experiments and Modeling	许瑛 Xu Ying (Tsinghua University 清华大学 副教授)
10:40-10:55	Predictive Modeling of VOC Mass Transfer in Multi-Media Coupled Indoor Environments	周晓骏 Zhou Xiaojun (Xi'an Jiaotong University 西安交通大学 副教授)
10:55-11:10	Investigation on the Contribution of Human Presence to Indoor Chemistry Using Direct High Resolution Mass Spectrometry	曾嘉发 Zeng Jiafa (Jinan University 暨南大学 博士后)
11:10-11:25	Real-World Performance of Commercial Passive Formaldehyde Removal Products: Ineffectiveness and Unintended VOCs Emissions	姚寅熙 Yao Yinxi (The Hong Kong University of Science and Technology (Guangzhou) 香港科技大学广州 博士生)

专题11：人工智能技术在VOCs研究中的应用

Session 11: Application of Artificial Intelligence Technology in VOCs Research

分会主席：袁自冰（华南理工大学 教授）

专题召集人：袁自冰（华南理工大学 教授）

李柯（南京信息工程大学 教授）

王楠（四川大学 副教授）

高松（上海大学 副研究员）

专职秘书：泽仁央宗（香港理工大学 18420153665）

Session Chair: Zibing Yuan (South China University of Technology Professor)

Session Convener: Zibing Yuan (South China University of Technology Professor)

Ke Li (Nanjing University of Information Science & Technology Professor)

Nan Wang (Sichuan University Associate Professor)

Song Gao (Shanghai University Associate Professor)

Secretary: Yangzong Zeren (The Hong Kong Polytechnic University 18420153665)

11月7日 13:30-17:30 二层VIP9

November 7th 13:30-17:30 2F VIP9

主持人：王楠（四川大学 副教授） Chair: Prof. Nan Wang

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
13:30-13:50	Introduction to the Emission GPT and its potentials in emission retrieval and analysis	Junyu Zheng, Professor (The Hong Kong University of Science and Technology (Guangzhou)) 郑君瑜 (香港科技大学（广州）教授)
13:50-14:10	Advances in Digitalization and Intellectualization of Ambient Air Quality Forecasting 环境空气质量预报数智化进展	Yuanyuan Zhu, Professor (China National Environmental Monitoring Center) 朱媛媛 (中国环境监测总站 正高级工程师)
14:10-14:25	An Initial Exploration of Data-Driven VOC Emissions and Their Implication for Ozone Sensitivity in the Yangtze River Delta 数据驱动的 VOCs 排放对长三角臭氧敏感性初探	Zhen Cheng, Professor (Shanghai Jiao Tong University) 程真 (上海交通大学 研究员)
14:25-14:40	Cascade-Machine-learning quantifies hourly wildfire smoke exposure and acute health risks in California	Shunpeng Zhu, Professor (Zhejiang University) 朱曙鹏 (浙江大学 研究员)

14:40-14:55	Exploring Ozone Impacts from biomass-related emissions (BVOCs and biomass burning) with machine learning 利用机器学习探索植被源自然与燃烧排放对臭氧的影响	Nan Wang, Associate Professor (Sichuan University) 王楠 (四川大学 副教授)
14:55-15:10	Application of Artificial Intelligence in the Simulation and Diagnosis of Ozone Pollution 人工智能在臭氧污染模拟诊断中的应用	Zhijiong Huang, Associate Professor (Jinan University) 黄志炯 (暨南大学 副研究员)
15:10-15:25	Contributions of typhoons to ozone pollution in the Pearl River Delta from 1998 to 2023: A machine learning study 1998-2023 期间台风对珠三角臭氧影响的机器学习研究	Xiaopu Lyu, Assistant Professor (Hong Kong Baptist University) 吕效谱 (香港浸会大学 助理教授)
15:25-15:40	Influence of Changing Anthropogenic Emissions and Their Interaction with Biogenic Sources on Ozone Air Quality in China 人为排放变化及其与生物源相互作用对我国臭氧空气质量的影响	Lei Chen, Associate Professor (Nanjing University of Information Science & Technology) 陈磊 (南京信息工程大学 副教授)
15:40-15:55	Optimizing OVOCs Source Apportionment with Machine Learning-Enhanced Photochemical Age-based Parameterization Model	Yu Zou, Associate Professor The Guangzhou Institute of Tropical and Marine Meteorology, China Meteorological Administration) 邹宇 (中国气象局广州热带海洋气象研究所 副研究员)

主持人：高松（上海大学 副研究员）Chair: Prof. Song Gao

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
16:10-16:30	Hyperspectral Remote Sensing Technology and Instrumentation Development for Monitoring VOC Emissions 超光谱遥感溯源 vocs 排放技术与仪器研发	Cheng Liu, Professor (University of Science and Technology of China) 刘诚 (中国科学技术大学 教授)
16:30-16:45	Application exploration of Mobile Air Quality Observation Method Based on Vehicle-Road-Environment-Cloud Integration 车-路-环-云一体化移动空气质量观测方法研究及应用	Yonghong Liu, Professor (Sun Yat-sen University) 刘永红 (中山大学 教授)
16:45-17:00	Infrared Identification and Emission Quantification of VOC Leaks Based on Machine Vision 基于机器视觉的 VOCs 泄漏红外识别及排放量化	Song Gao, Associate Professor (Shanghai University) 高松 (上海大学 副研究员)
17:00-17:15	Advances in Machine Learning for Air Pollution Source Apportionment 基于机器学习的空气污染溯源技术进展	Qili Dai, Professor (Nankai University) 戴启立 (南开大学 副教授)

17:15-17:30	A Novel Framework Integrating Non-targeted Screening and Residual Neural Networks for Emerging Contaminant Quantification 基于非靶向筛查与残差神经网络融合框架新兴污染物浓度定量研究	Leifeng Yang, Associate Professor (South China Institute of Environmental Sciences, Ministry of Ecology and Environment) 杨雷峰 (生态环境部华南环境科学研究所 副研究员)
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11月8日 08:30-11:45 二层VIP9

November 8th 08:30-11:45 2F VIP9

主持人：袁自冰（华南理工大学 教授）Chair: Prof. Zibing Yuan

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
08:30-08:50	Advancing Atmospheric Pollution Research through Artificial Intelligence 人工智能促进大气污染研究探索	Hongliang Zhang, Professor (University of Shanghai for Science and Technology) 张宏亮 (上海理工大学 教授)
08:50-09:10	Improved modelling of biogenic emissions in human-disturbed forest edges and urban areas	Yanli Zhang, Professor (Guangzhou Institute of Geochemistry, Chinese Academy of Sciences) 张艳利 (中国科学院广州地球化学研究所 研究员)
09:10-09:25	Household Volatile Chemical Product Emissions and Modeled Air Quality Impacts in Shanghai, China 民用 VCP 排放及其对空气质量影响的模拟研究：以上海为例	Jianlin Hu, Professor (Nanjing University of Information Science & Technology) 胡建林 (南京信息工程大学 教授)
09:25-09:40	Uncovering large discrepancies between chemical mechanisms in WRF-Chem through machine learning approach	Xiao Lu, Associate Professor (Sun Yat-sen University) 卢骁 (中山大学 副教授)
09:40-09:55	Explainable ensemble machine learning revealing the effect of meteorology and sources on ozone formation in Chinese megacities	Lili Wang, Professor (Institute of Atmospheric Physics Chinese Academy of Sciences) 王莉莉 (中国科学院大气物理研究所 研究员)
09:55-10:10	Study on the Impact of Anthropogenic and Soil NO_x Emissions on Ozone Pollution Trends in China Based on Numerical Modeling and Machine Learning 基于数值模式和机器学习方法的人为和土壤 NO_x排放对中国臭氧污染演变趋势的影响研究	Tong Sha, Associate Professor (Shaanxi University of Science & Technology) 沙桐 (陕西科技大学 副教授)

主持人：李柯（南京信息工程大学 教授）Chair: Prof. Ke Li

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
10:25-10:45	Systematic Optimization of Thermal Oxidation for Chlorinated VOCs Abatement: From Computational Simulation to Engineering Validation 含氯 VOCs 燃烧工艺系统性优化:从数字仿真到工程验证	Zhaoyang Lu, Professor (Academy of Environmental Planning and Design, Nanjing University) 陆朝阳 (南京大学环境规划设计研究院 正高级工程师)
10:45-11:00	A Study on the Contribution Mechanisms of OVOCs to Atmospheric Oxidative Capacity in the Northern Zhejiang Region 浙江省北部区域含氧挥发性有机物对大气氧化性的贡献机制研究	Zhengning Xu, Assistant Professor (Zhejiang University) 徐正宁 (浙江大学 助理教授)
11:00-11:15	A Study on an Ozone Forecasting Model Using Graph Neural Networks with Learnable Edge Weights 基于图神经网络和可学习边权重的臭氧预报模型研究	Kaihui Zhao, Associate Professor (Yunnan University) 赵恺辉 (云南大学 副教授)
11:15-11:30	Advancing Temporal Resolution in Atmospheric VOCs Monitoring from Hours to Minutes with AI 基于 AI 提升大气 VOCs 监测时间分辨率：从小时级到分钟级	Yong Chen, Postdoctoral Fellow (Peking University Shenzhen Graduate School) 程勇 (北京大学深圳研究生院 博士后)
11:30-11:45	Early Warning of Algal Blooms Using Algal Volatile Organic Compounds and Machine Learning 基于藻类 VOCs 特征与机器学习的水华早期预警研究	Jia Guo, PhD student (Tsinghua University) 郭佳 (清华大学 博士研究生)

专题12：研究生专场

Session 12: Graduate Special Session

分会主席: Ning Wang (Beijing University of Technology, Professor)
专题召集人: Ning Wang (Beijing University of Technology, Professor)
Jian Hang (Sun Yat-sen University, Professor)
Mei Li (Jinan University, Professor)
Haomin Huang (South China University of Technology, Senior Engineer)
Shanshan Shang (South China University of Technology, Associate Professor)
专职秘书: Haomin Huang (South China University of Technology, Senior Engineer)

研究生专场 I Graduate Session I

11月7日 19:00-20:50 2F VIP2+4

November 7th 19:00-20:50 2F VIP2+4

主持人: Ning Wang (Beijing University of Technology, Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
19:00-19:05	Transfer learning reveals the drivers of urban isoprene variation under climate warming	Song Liu (Sichuan University) (Supervisor : Nan Wang)
19:05-19:10	Reconciling Emission Inventory and Receptor Model for VOCs Source Apportionment: A Study Incorporating Quantified Meteorological-Emission Contributions	Jiaxin Cao (South China University of Technology) (Supervisor : Zibing Yuan)
19:10-19:15	Synergistic Brønsted/Lewis Acid Catalysis in Selective Conversion and Valorization of Isopropanol	Honghong Zhang (Beijing University of Technology) (Supervisor : Jiguang Deng)
19:15-19:20	Encapsulating CoO Sites in Hollow Silicalite-1 for Highly Efficient and Stable Propane Dehydrogenation	Limin Zhang (Dalian University of Technology) (Supervisor : Xinwen Guo)
19:20-19:25	Promoting the NH3-SCO by modulating Cu redox via nitrogen doping	Bolin Xia (South China University of Technology) (Supervisor : Peirong Chen)
19:25-19:30	Promoting C–F Bond Activation for Perfluorinated Compounds Decomposition	Wenjie Luo (Central South University) (Supervisor : Min Liu)
19:30-19:35	Joule heating-driven efficient catalytic oxidation of chlorobenzene over MnCe-nickel foam: A flexible and energy-efficient strategy	Fanxiang Meng (Zhejiang University) (Supervisor : Tong Chen)
19:35-19:40	Regulation of the Pt-Fe Interface Electronic Structure Enables SO ₂ to Promote the Catalytic Oxidation of Propane	Jinhang Yang (South China University of Technology) (Supervisor : Yun Hu)

19:40-19:45	Rh-Based Bimetallic Alloys: Unraveling the Synergistic Catalysis in CO ₂ Hydrogenation to Ethanol	Yang Chen (Fuzhou University) (Supervisor : Li Tan)
19:45-19:50	Ceria Crystallite Size-Dependent Pt Single-Atom Satellite Structures with Enhanced Long-Range Interactions for CO Oxidation	Juntai Tian (South China University of Technology) (Supervisor : Daiqi Ye)
19:50-19:55	Design and Mechanism Study of Efficient Ammonia Oxidation Catalysts for Multi-Scenario Applications	Yan Zhang (Tianjin University) (Supervisor : Qingling Liu)
19:55-20:00	Preparation of NiFeS/NiFe LDH Heterojunction Materials and Study on Their Alkaline Water Electrolysis Performance	Lishuang Wei (Beijing University of Technology) (Supervisor : Ning Wang)
20:00-20:05	Orbital hybridization-mediated selective photothermal CO ₂ hydrogenation over single-atom Ru ¹ / CeO ₂ catalysts	Xin Zhao (South China University of Technology) (Supervisor : Daiqi Ye)
20:05-20:10	An efficient, stable hierarchical SAPO-34 for CO ₂ hydrogenation to light olefins	Dong Fang (Shanghai Advanced Research Institute, Chinese Academy of Sciences) (Supervisor : Peng Gao)
20:10-20:15	Mn-O covalency modulation by Si incorporation: reinforcing molecular oxygen activation for catalytic oxidation reactions	Gan Li (Nanchang University) (Supervisor : Honggen Peng)
20:15-20:20	Stabilizing Highly Dispersed Zn Species via Surface-Dispersed ZrO ₂ on Cu for Methanol Synthesis	Liang Ge (Xiamen University) (Supervisor : Kang Cheng)
20:20-20:25	Study on the impact of Northward typhoon on YRD O ₃ formation	Shijie He (Sichuan University) (Supervisor : Nan Wang)
20:25-20:30	Oxygen Activation over Mn-Based Spinel for Low-Temperature Xylene Catalytic Oxidation	Xueyun Zhong (South China University of Technology) (Supervisor : Mingli Fu)
20:30-20:35	Adsorption-Guided Construction of Pt Single-Atom Catalysts on Porphyrinic MOFs for Catalytic Oxidation of Toluene	Fengying Ma (South China University of Technology) (Supervisor : Shanshan Shang)
20:35-20:40	Selective Dealuminated Pd-SSZ-13 Zeolite Catalyst for Promoting Short-Chain Alkane Oxidation	Huibo Liu (South China University of Technology) (Supervisor : Peirong Chen)
20:40-20:45	Cascade Confining Pt-O-Ce Interfaces on Beta Zeolite Enables Low-Temperature Catalytic Degradation of Acetone	Ruochen Zhou (Nanchang University) (Supervisor : Honggen Peng)
20:45-20:50	Study on Process-Level VOC Emissions Characteristics in Typical Industrial Sectors Based on Field Measurements	Tingting Wang (China University of Geosciences (Wuhan))

研究生专场 II Graduate Session II

11月7日 19:00-20:45 2F VIP3+5

November 7th 19:00-20:45 2F VIP3+5

主持人: Mei Li (Jinan University Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
19:00-19:05	Low-temperature catalytic degradation of short-chain alkanes: The enhancing effect of acid sites on the water and sulfur resistance of the catalyst	Ling Wang (Zhejiang University) (Supervisor : Minghui Tang)
19:05-19:10	Performance and Stability of Ni-based Small-pore Zeolites in Dry Reforming of Methane	Yating Li (South China University of Technology) (Supervisor : Peirong Chen)
19:10-19:15	Ultrathin CoAl-LDO nanosheets encapsulating zeolite for propane catalytic combustion	Qianqian Chen (Nanchang University) (Supervisor : Honggen Peng)
19:15-19:20	Modulating the Strong Metal-Support Interaction by Support Pre-treatment: A Case Study of Ni/TiO ₂ Catalyzed CO ₂ Hydrogenation	Lianghong Yue (Dalian Institute of Chemical Physics, Chinese Academy of Sciences) (Supervisor : Yuefeng Liu)
19:20-19:25	Theoretical Insights into Potential-Dependent Reaction Selectivity on Single-Atom Catalysts	Yao Tan (Central South University) Min Liu
19:25-19:30	Atomically dispersed Pd-Mn dual-metal doped CeO ₂ nanorods for efficient methane oxychlorination	Fangwei Wu (Xiamen University) (Supervisor : Ye Wang)
19:30-19:35	Unraveling the Mechanism and Performance of Hierarchical Pd-SSZ-13 for Low-Temperature Synergistic Elimination of NO _x , HC, and CO	Qiaoyi Qi (South China University of Technology) (Supervisor : Peirong Chen)
19:35-19:40	液相/冰冻层空气-水界面促进 HOCl + HOCl 自反应生成 Cl ₂ O 的机制研究	Jiale Lao (Guangdong University of Technology)
19:40-19:45	Unraveling the Mechanism of Fe Doping in Enhancing the Ethane Oxidation Activity of Pt/CeO ₂ Catalysts	Jiali Tang (South China University of Technology) (Supervisor : Yun Hu)
19:45-19:50	Design of an Efficient Catalyst for CO ₂ Hydrogenation to Higher Alcohols	Qian Zhang (Institute of Coal Chemistry, Chinese Academy of Sciences) (Supervisor : Sen Wang)
19:50-19:55	典型高碳行业烟气中的 CO ₂ 加氢制甲醇研究	Ziyang Chen (South China University of Technology) (Supervisor : Limin Chen)
19:55-20:00	郑州市高新区大气典型中等/半挥发性有机物污染特征、气粒分配及来源研究	Mengdi Kong (Zhengzhou University) (Supervisor : Ruiqin Zhang)
20:00-20:05	Nitrogen boped biomass derived porous carbon from waste holly for enhanced toluene adsorption under humid conditions: Experimental, GCMC and DFT studies	Xiaoliang Qu (Henan University)

20:05-20:10	Interfacial Charge Polarization Regulates Cu ⁺ -Cu ₂ O Pairs for Synergistic Promotion of Highly Selective Hydrogenation of CO ₂ to Methanol	Xuehui Jia (Guangxi University) (Supervisor : Zhenxia Zhao)
20:10-20:15	Design strategies of spinel catalysts and study on their VOC catalytic oxidation performance	Cangpeng Shan (Tianjin University) (Supervisor : Qingling Liu)
20:15-20:20	Research on Updated China's VOCs Emission Inventory and Environmental Impacts	Jinling He (Southern University of Science and Technology)
20:20-20:25	机场源排放 VOCs 特征及对臭氧生成的影响研究	Mubai Chen (Jinan University)
20:25-20:30	Explicit modelling of seasonal isoprene chemical processing in Wuhan: formation of ozone and formaldehyde	Chunmian Yang (Wuhan University)
20:30-20:35	机加工车间 VOCs 散发特征与基于物理信息神经网络的散发率预测模型研究	Mengdan Qiao (Xi'an University of Architecture and Technology)
20:35-20:40	The impact of Heatwave and Biological VOCs on O ₃ pollution in Yangtze River Delta, China	Yancheng Zhu (Zhejiang University)
20:40-20:45	Complex impacts of oxygenated volatile organic compounds on radical photochemistry in the background air of Southern China	Enyu Xiong (The Hong Kong Polytechnic University)

研究生专场III Graduate Session III

11月7日 19:00-20:40 2F VIP6+7

November 7th 19:00-20:40 2F VIP6+7

主持人: Shanshan Shang (South China University of Technology Associate Professor)

Jian Hang (Sun Yat-sen University Professor)

时 间 Time	发言题目 Speech Title	演讲嘉宾 Speakers
19:00-19:05	Peroxyacetyl nitrate at Central China's highest mountain (Mt. Shennongjia): unexpected net production and implications for ozone formation	Haibin Huang (Hong Kong Baptist university)
19:05-19:10	异戊二烯-甲苯混合体系中 SOA 生成机制研究	Shijie Han (Jinan University) (Supervisor : Boguang Wang)
19:10-19:15	城市 VOCs 通量测量与排放量化	Xianjun He (Jinan University)
19:15-19:20	粤港澳大湾区地面与卫星甲醛的对比研究	Yiming Zhao (Jinan University) (Supervisor : Boguang Wang)

19:20-19:25	温拌沥青 VOCs 减排与环境效益的“排放-影响”耦合评估框架研究	Xiaoyi Liu (Tianjin University)
19:25-19:30	玉米秸秆衍生石墨相氮化碳材料的在 5-羟甲基糠醛选择性氧化中的应用	Yao Wang (Tianjin University)
19:30-19:35	Abundance and sources of particulate polycyclicaromatic hydrocarbons and aromatic acids at anurban site in central China	Luqi Shang (Zhengzhou University) (Supervisor : Ruiqin Zhang)
19:35-19:40	Vacuum Ball Milling Induces Defect-Rich Structures for Synergistic Catalysis of Multiple Pollutants	Fan Yao (Zhejiang University)
19:40-19:45	Elucidating Key Factors in Regulating Budgets of Ozone and Its Precursors in Atmospheric Boundary Layer	Xin Song (Jinan University)
19:45-19:50	Single-atom Ru coupled with Lewis acid to promote asymmetric C-C coupling between CH ₄ and CO ₂	Ning Cao (Zhejiang University) (Supervisor : Pengfei Xie)
19:50-19:55	野火源呋喃化合物对臭氧污染的数值模拟	Yuelin Liu (Sichuan University) (Supervisor : Nan Wang)
19:55-20:00	Design of Rh/Pt@CrMnFeCoNiO in enhancing hydrogen evolution reaction driven by hydrogen spillover	Tianhan Shen (Osaka University) (Supervisor : Kohsuke Mori)
20:00-20:05	机器学习定量归因：前体物排放加剧区域臭氧污染	Siyu Yang (Shaanxi University of Science and Technology) (Supervisor : Tong Sha)
20:05-20:10	基于机器学习方法的中国北方沙尘气溶胶数值模拟改进研究	Liangqing Li (Shaanxi University of Science and Technology) (Supervisor : Tong Sha)
20:10-20:15	Vacancy-Orbital Synergy in Dual-Engineered Mn-Co Catalyst Enables Humidity-Resistant Ozone Decomposition	Lei Liu (South China University of Technology) (Supervisor : Mingli Fu)
20:15-20:20	无人机载质谱系统高时空分辨实时在线监测高空环境复杂 VOCs	Jianfeng Zhang (Jinan University)
20:20-20:25	机器人质谱分析系统定位复杂 VOCs 污染源	Yang Yang (Jinan University)
20:25-20:30	A dynamic high-resolution inventory reveals the overlooked role of landscape fires in terpenoid emissions and ozone formation	Jiangyong Li (Jinan University) (Supervisor : Boguang Wang)
20:30-20:35	The Changing Trend of Disparity of PM _{2.5} in China during 2000 to 2023	Lin Yao (Hong Kong Baptist University)
20:35-20:40	What drove the recent rapid ozone reduction at a coastal background site in South China?	Runjing Zhou (Hong Kong Baptist University)

墙报专场

Poster Session

张贴时间: 11月6号16:00-20:00 张贴地点: 一层墙报展示区

Posting time: 16:00-20:00 on November 6

posting place: 1F Poster display area

序号 No.	姓名 Name	学校 Institution	题目 Poster title
1	吕自然	北京工业大学	The Synergistic Effect of Cu/ZrO ₂ Catalysts for the Selective of CO ₂ Hydrogenation to Methanol
2	陆宇琴	嘉兴大学	Pt-TiO ₂ 界面电子调控诱导混合 VOCs 协同催化氧化
3	杨 瑾	The Hong Kong Polytechnic University	Atmospheric formaldehyde, acetaldehyde, and acetone in five major Chinese cities: photochemical characteristics, sources, and joint ozone-carbonyl control strategies
4	陈翰灏	华南理工大学	RRKM-ME for Unimolecular Reactions Involving Intermediates with Multiple Configurations. Application to Ozonolysis of Cycloalkenes
5	衣俊翰	大连理工大学	CuCoS _x nanosheet in-situ grown on GO surface for efficient Hg ⁰ removal from flue gas
6	吴小东	四川大学	Impact of Chemical Mechanism Selection on Ozone Simulation under Heatwave Conditions: Based on the CMAQ Model
7	楚培齐	北京工业大学	协同催化消除典型VOCs和NO _x 分离体系构筑研究
8	张 龙	北京工业大学	氧化物间强相互作用促进低碳烷烃催化燃烧
9	HUO Yunxi	The Hong Kong Polytechnic University	Exploring the Formation of High Levels of Hydroxyl Dicarboxylic Acids at an Urban Background Site in South China
10	周贝宁	香港理工大学	Summer Ozone Pollution Episodes in South China and Transport Impacts from Southeast Asia
11	鲜耀涵	四川大学碳中和未来技术学院	高温驱动的人为与自然排放对盆地臭氧污染的影响研究
12	洪子莹	南开大学	Bifunctional mechanism for low-temperature Methanol-SCR on H-FER zeolite doped by trace amount of cobalt

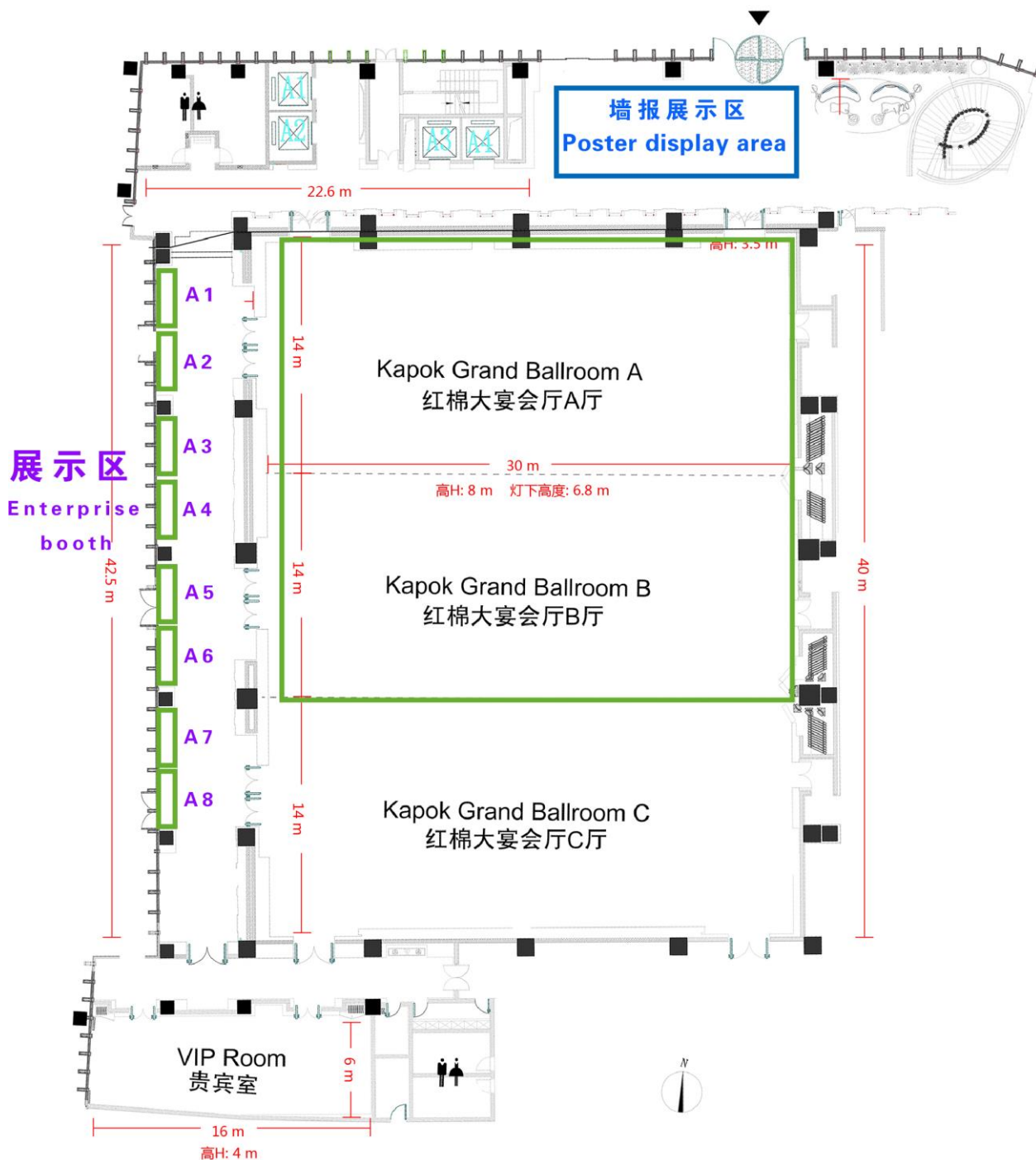
13	范嘉乐	中山大学	家用挥发性化学品 (VCPs) 对街谷空气质量影响的数值模拟
14	GUO Peiwen	The Hong Kong Polytechnic University	Noticeable increasing ozone production rate in a mountainous area of Hong Kong
15	Zhang Haonan	香港理工大学	Unravel the formation and accumulation of photochemical ozone in the three bays of China through field observations and model simulations
16	丁晨宇	北京工业大学	Suppressing oxygen deep activation and mitigating acetic acid surface poisoning in catalysts for hydrogenation production via auto-thermal reforming of acetic acid
17	刘 香	北京工业大学	氧桥连接 Cu-Ag 双金属高效电催化 CO 还原生成多碳产物研究
18	于 波	香港理工大学	The Adsorptive Interaction between Typical VOCs and Various Topological Zeolites: Mixture Effect and Mechanism
19	梁宇鑫	南方科技大学	一种低成本甲烷传感器系统：融合环境因素与多污染物校准
20	Fanxiang Meng	浙江大学	Joule heating-driven efficient catalytic oxidation of chlorobenzene over MnCe-nickel foam: A flexible and energy-efficient strategy
21	Ling Wang	浙江大学	Low-temperature catalytic degradation of short-chain alkanes: The enhancing effect of acid sites on the water and sulfur resistance of the catalyst
22	李亚婷	华南理工大学	Performance and Stability of Ni-based Small-pore Zeolites in Dry Reforming of Methane
23	夏柏林	华南理工大学环境与能源学院	Promoting the NH_3 -SCO by modulating Cu redox via nitrogen doping
24	刘慧彬	华南理工大学	Selective Dealuminated Pd-SSZ-13 Zeolite Catalyst for Promoting Short-Chain Alkane Oxidation
25	齐瞧一	华南理工大学环境与能源学院	Unraveling the Mechanism and Performance of Hierarchical Pd-SSZ-13 for Low-Temperature Synergistic Elimination of NO_x , HC, and CO
26	罗文杰	中南大学	高效催化水解强温室气体 CF_4
27	孔蒙迪	郑州大学	郑州市高新区大气典型中等和半挥发性有机物污染特征、气粒分配及来源研究
28	赵一鸣	暨南大学	A Comparative Study of Ground-Gridded and Satellite-Derived Formaldehyde during Ozone Episodes in the Chinese Greater Bay Area

29	乔梦丹	西安建筑科技大学	融合物理机理与实验数据的机加工车间 VOCs 散发率预测模型研究
30	黄嘉成	佛山大学	Cerium-Driven Electronic Modulation in CoMn_2O_4 Spinel: Uniting Lattice and Gaseous Oxygen Pathways for Accelerated Toluene Destruction
31	张晶晶	北京工业大学	Tailoring Synergistic Pt Single-Atom and Cluster Sites on Modified Perovskite for Enhanced Water-Gas Shift Reaction
32	韩士杰	暨南大学环境与气候研究院	异戊二烯-甲苯混合体系中 SOA 的生成机制研究
33	黄 龙	佛山大学	Coordination Number Modulation for Total Oxidation of Methane over Co_3O_4 Catalysts
34	屈晓亮	河南大学	Nitrogen Doped Biomass Derived Porous Carbon from Waste holly for Enhanced Toluene Adsorption under Humid Conditions: Experimental, GCMC and DFT Studies
35	李将永	暨南大学	Rapid adaptive Optimization Model for Atmospheric Chemistry
36	林尤静	海南省生态环境监测中心	海口冬季典型光化学污染过程分析
37	张 倩	中国科学院山西煤炭化学研究所	Cr 助剂改性 CuFe 催化剂用于 CO_2 加氢制备低碳醇
38	邵天琦	天津大学	Electrochemical non-oxidative coupling of methane in a protonic ceramic electrolysis cell
39	牛子凡	天津大学化工学院	Highly efficient photocatalytic N-formylation reaction of benzylamine involving CO_2 using PtNi/ZnO_x
40	郭新梅	暨南大学	Non-negligible health risks from atmospheric carbonyls in Tibetan Plateau's anthropogenic hotspots: Evidence from a summertime case study in Lhasa
41	张金鹏	天津大学	$\text{Pr}_6\text{O}_{11}\text{-BaCe}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ composite cathode for protonic ceramic fuel cells with promising oxygen reduction activity and hydration ability
42	王 甲	河南科技大学	Synergistic Catalytic Oxidation of Toluene over a Mesoporous Pt-Mn-CeO ₂ Catalyst
43	林靖岚	暨南大学	2005-2023 年中国臭氧生成敏感性的时空演变及驱动因子定量解析 Spatiotemporal Evolution and Quantitative Drivers of Ozone Formation Sensitivity in China during 2005–2023

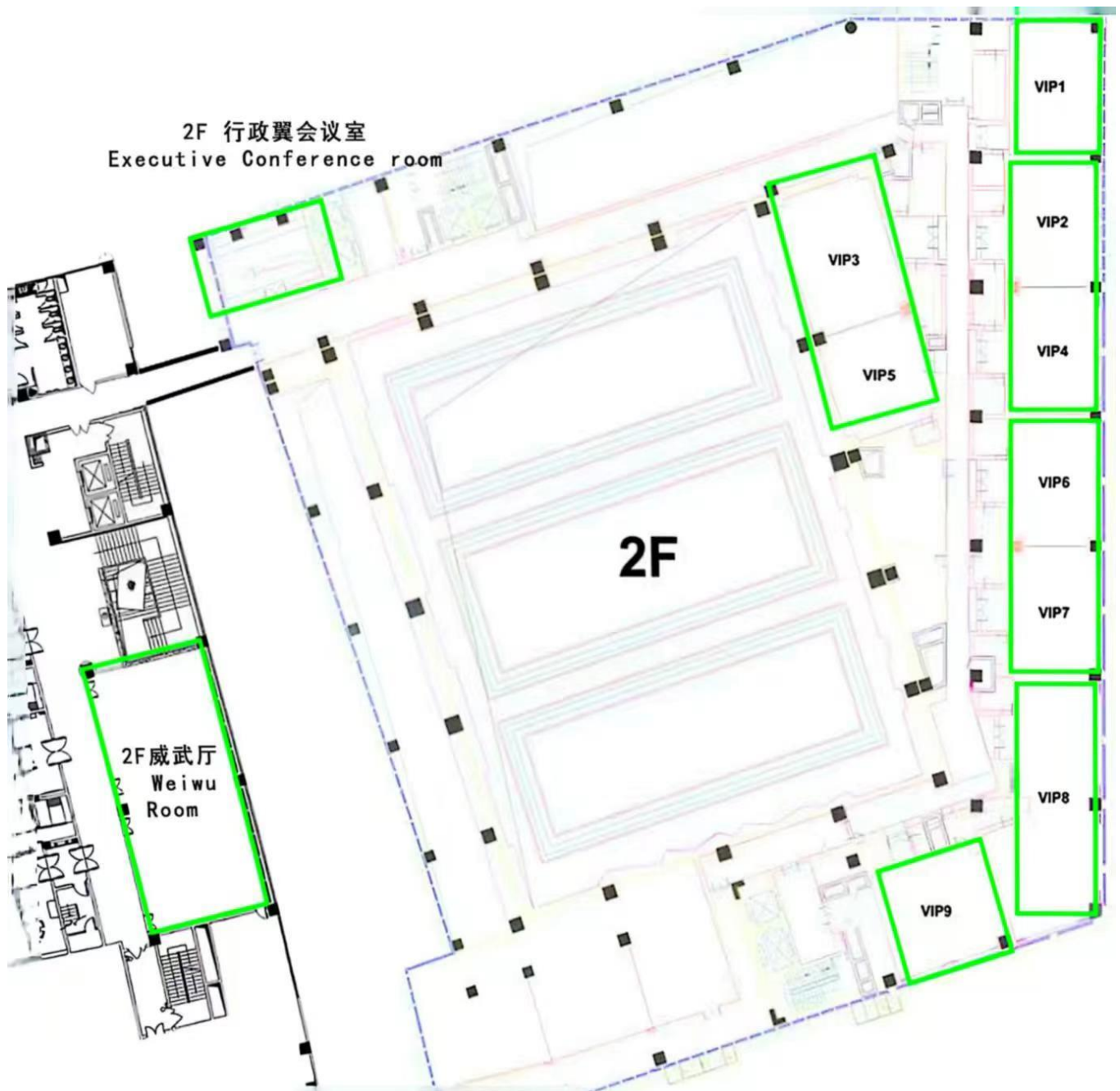
44	YAO Lin	Hong Kong Baptist University	Changing Trend of Disparity of PM _{2.5} in China during 2000 to 2023: Analysis of County-level Contribution
45	谢芊芊	暨南大学	Rethinking the Role of Monoterpenes in Urban Ozone Formation
46	朱一凡	暨南大学	北京颗粒物通量特征及源解析
47	孙麦琪	香港浸会大学	Effects of rising temperatures on ozone pollution in Hong Kong
48	张逢阳	Hong Kong baptist university	Slowing growth of transboundary ozone export from Mainland China
49	陈天嘉 Tianjia Chen	Inner Mongolia University of Technology	用于 CO ₂ 高温分离的陶瓷-碳酸盐中空纤维膜的改性研究
50	薛天纬 Tianwei Xue	South China University of Technology	Zn 取代 Co ₃ O ₄ 四面体磁性 Co ₂ +位点调控 Co ₂ + -O-Co ₃ 界面电子结构实现乙烷的低温高效催化氧化

会场平面图

Venue floor plan



1F Kapok Grand Ballroom Floor Plan
一层 红棉大宴会厅平面图



2F Conference Room Floor Plan
 二层 会场平面图

会议笔记

Notes

This image shows a full page of primary-ruled paper. It features multiple sets of horizontal lines designed to help young learners write neatly. Each set consists of three lines: a solid top line, a dashed middle line, and a solid bottom line. These sets are repeated down the entire page, providing ample space for handwriting practice. The paper is otherwise blank, with no text or other markings.



Handwriting practice lines consisting of multiple sets of three horizontal lines (top, middle, and bottom lines) for letter formation. Each set is separated by a larger gap. The lines are evenly spaced and cover the majority of the page area.

Handwriting practice lines consisting of multiple sets of three horizontal lines (top solid, middle dashed, bottom solid) for letter formation.



会议信息
Conference Information



照片直播
Photo livestream

主办单位 Organizer:

暨南大学

Jinan University

华南理工大学

South China University of Technology

中国环境科学学会挥发性有机物污染防治专业委员会

Technical Committee on Emission Control of Volatile Organic Compounds

承办单位 Co-organizer:

粤港澳大湾区空气质量科学与管理学科创新引智基地

Innovation Base for Air Quality Science and Management for Guangdong, Hong Kong and Macao Greater Bay Area

暨南大学环境与气候学院

College of Environment and Climate, Jinan University

华南理工大学环境与能源学院

School of Environment and Energy, South China University of Technology

香港理工大学土木及环境工程学系

Department of Civil and Environmental Engineering, the Hong Kong Polytechnic University

香港理工大学土地及空间研究院

Research Institute for Land and Space, the Hong Kong Polytechnic University

粤港澳环境质量协同创新联合实验室

Guangdong-Hongkong-Macao Joint Laboratory of Collaborative Innovation for Environmental Quality

广东省南岭森林大气环境与碳中和野外科学观测研究站

Guangdong Provincial Observation and Research Station for Atmospheric Environment and Carbon Neutrality in Nanling Forests