翔龙鸣凤科学论坛
Long Feng Science Forum

The 5th International Symposium on Aggregation-Induced Emission (AIE5)
Long Feng Science Forum

Shenzhen, China | 2022.8.12-14

CONFERENCE HANDBOOK

Dear Colleagues:

Aggregation-Induced Emission (AIE) has emerged as an exciting research area in the world. The AIE research, as well as the Aggregate Science in a broader scope, may fundamentally change the research philosophy and create unlimited possibilities beyond the molecular level. Currently, more than 4,500 research groups from over 80 countries and regions have conducted AIE-related research and joined the AIE community. As the flagship platform in the AIE research field, the International Symposium on Aggregation-Induced Emission has been successfully held in Wuhan, Changsha, Singapore, and Adelaide since 2013.

It is a great pleasure and honor to welcome you to the 5th International Symposium on Aggregation-Induced Emission (AIE5) Long Feng Science Forum scheduled from August 12th to 14th, 2022 in Shenzhen, China. As a landmark in China, Shenzhen is an international city full of charm, dynamism, vitality, and innovation. The culture of Shenzhen matches perfectly with the revolutionary and creative spirit of AIE research.

In view of the COVID-19 pandemic and travel restrictions, AIE5 will be held in a hybrid event with the possibility of in-person and online participation. The latest developments in AIE-related research will be highlighted, including but not limited to the design and synthesis of AIEgens, understanding of AIE mechanisms, and exploration of advanced applications of AIE materials. This symposium will serve as the international platform to bring together researchers to share, discuss, and collaborate.

The Conference Chairs and the organizing committee would like to sincerely welcome researchers from all over the world to participate in this great event. Together we shine, united we soar!

Conference Chairs

Prof. Ben Zhong Tang	The Chinese University of Hong Kong , Shenzhen
Prof. Bin Liu	National University of Singapore
Prof. Andrea Pucci	University of Pisa
Prof. Anjun Qin	South China University of Technology

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Conference Information

Conference Chairs

Ben Zhong Tang
The Chinese University of Hong Kong , Shenzhen

Bin Liu
National University of Singapore

Andrea Pucci
University of Pisa

Anjun Qin
South China University of Technology

Essential information

1. Conference date:

- August 12th – 14th, 2022

2. Conference site:

- Online : Zoom meeting
- Offline : Crowne Plaza, No. 9009 Longxiang Avenue, Longgang District, Shenzhen

3. Presentation type:

- Plenary Lecture
- Invited Lecture
- Poster Session

Organizer

The Chinese University of Hong Kong, Shenzhen

Shenzhen Key Laboratory of Functional Aggregate Materials

Shenzhen Institute of Aggregate Science and Technology

AIE Institute

International Science and Technology Information Center

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Conference Team

Liangliang Zhang 13602638531

Plenary Speaker

Prof. Jeffrey S. Moore

Director
Beckman Institute for Advanced Science and Technology
Stanley O. Ikenberry Endowed Chair
Professor of Chemistry , HHMI Professor

Jeff was born near Joliet, IL, in 1962. He received his B.S. in chemistry in 1984 from the University of Illinois, and his Ph.D. in Materials Science and Engineering with Samuel Stupp in 1989. After a NSF postdoctoral position at Caltech with Robert Grubbs, he began his independent career at the University of Michigan in Ann Arbor. He returned in 1993 to the University of Illinois, where he is currently the Director of the Beckman Institute for Advanced Science and Technology, Ikenberry Endowed Chair, and Professor in the Departments of Chemistry and Materials Science and Engineering.

Plenary Speaker

TOMALIA, Donald A.

CEO/Founder NanoSynthons LLC
National Dendrimer & Nanotechnology Center

Dr. Tomalia is the CEO/Founder of NanoSynthons LLC and the National Dendrimer & Nanotechnology Center, Adjunct Professor (Chemistry) University of Pennsylvania, PA and Affiliate Professor (Physics) Virginia Commonwealth University, VA. He received his B.A. in Chemistry from the University of Michigan and Ph.D. in Physical-Organic Chemistry from Michigan State University while working at The Dow Chemical Company. He has founded three dendrimer-based nanotechnology companies; namely, NanoSynthons LLC (2010- present), Dendritic Nanotechnologies, Inc. (2001-2006) (acquired by Starpharma, Melbourne AU) and Dendritech, Inc. (1992-98) (acquired by Dow Chemical, Midland MI). Other positions currently held by Tomalia include: Advisory Board CLINAM, European Foundation for Clinical Nanomedicine; Faculty Member, Faculty Opinions, Biology; Associate Editor,Journal of Nanoparticle Research (Nature/Springer); Editorial Advisory Board, Nanomedicine (Elsevier), Biomolecules (MPDI) and Biomedicines (MDPI).

Tomalia is the pioneering scientist/inventor credited with the discovery of living cationic polymerizations of 2-oxazolines leading to poly(oxazolines) (Industrial Research-100 Awards in 1978 & 1986) and the first synthesis of dendrimers. His 1979 discovery of poly(amidoamine) (PAMAM) dendrimers (dendritic polymer architecture) led to a third R&D-100 Award in 1991 and the Leonardo da Vinci Award (Paris, France) in 1996. He received the International Award of The Society of Polymer Science Japan (SPSJ) (2003) which recognized his discovery of the fourth major macromolecular architectural class; namely, dendritic polymers. Tomalia has been granted >155 U.S. patents, authored over 275 peer-reviewed publications with more than >49,834 citations and an h-index=100 (Google Scholar, 6-29-21), he was inducted into the Thomson Reuters Hall of Citation Laureates in Chemistry (2011) (i.e., top 40 most highly cited scientists in the field of chemistry) and inducted as a Fellow (2016) in the AAAS (American Association for Advancement of Science).

Plenary Speaker

Lixiang Wang

Distinguished Professor
Humboldt Fellow

Lixiang Wang received his PhD degree from CIAC, CAS, in 1989. During 1994–1997, he was a postdoctoral researcher at Max Planck Institute for Polymer Research (Germany) and University of Massachusetts Amherst (USA). Since 1997, he has been a principal investigator at the State Key Laboratory of Polymer Physics and Chemistry in Changchun Institute of Applied Chemistry (CIAC), Chinese Academy of Sciences (CAS). He was selected to Hundred Talent Program in CAS (1996), National Science Fund for Distinguished Young Scholars (1997). He received Second Prize for the State Natural Science Award in China (2009). He was the author of more than320 papers, 2 US Patents and 35 Chinese Patents, more than 10,000 citations. He was selected as a Thomson Reuters Highly Cited Researchers in 2014 and 2015. He also served the associated editors of Chinese Journal of Polymer Science and Acta Chimica Sinica. His research interests focus on the electroluminescent dendrimers and polymers for solution-processed full color display and white OLED, the conjugated polymer for chemosensor.

Plenary Speaker

Bin LIU

Professor
Vice President (Research and Technology), NUS
Head of the Department of Chemical and Biomolecular Engineering, NUS

Bin Liu received her PhD degree in Chemistry from the National University of Singapore (NUS) in 2001. After postdoctoral training at the University of California Santa Barbara, she joined NUS where she is currently Chair Professor in the Department of Chemical and Biomolecular Engineering. Her research focuses on the design and synthesis of functional polymers and organic nanomaterials and exploration of their applications in sensing, imaging and optoelectronic devices.

Plenary Speaker

Juyoung Yoon

Distinguished Professor

Juyoung Yoon is a member of Korean Academy of Science and Technology, Fellow of Royal Society of Chemistry and currently a Distinguished Professor of Ewha. He is serving as an Associate Editor of Coordination Chemical Reviews and as an Executive Editor of Dyes and Pigments. He is also serving as an Advisory Editorial Board Member of Chemical Society Reviews (Royal Society of Chemistry, UK), Chem (Cell Press), ACS Applied Materials & Interfaces (ACS), ACS Sensors (ACS), Sensors and Actuators B (Elsevier), ACS Omega (ACS), ACS Applied Bio Materials (ACS), Materials Chemistry Frontiers (RSC), Chinese Chemical Letters (Elsevier), Aggregate (Wiley) and ACS Measurement Science Au (ACS). His research interests include investigations of fluorescent probes, activatable photosensitizers, phototherapy, new organic functional materials and theranostics. He published 430 SCI research papers (h-index: 119, >53000 citations).

His scientific awards include “Shim Sang Chul Award” from Organic Division of Korean Chemical Society (2008), “Monthly Best Scientist Award” by Ministry of Science and Technology of Korea, “Knowledge Creation Grand Prize” by Ministry of Science and Technology of Korea (2012), Korean Chemical Society Award (2016), Ewha Academic Award (2016), 2nd Korea Toray Science Award (2019) and 13th Kyung-Ahm Academic Award (2020).

He was listed as highly cited researcher in chemistry of 2014-2021.

Plenary Speaker

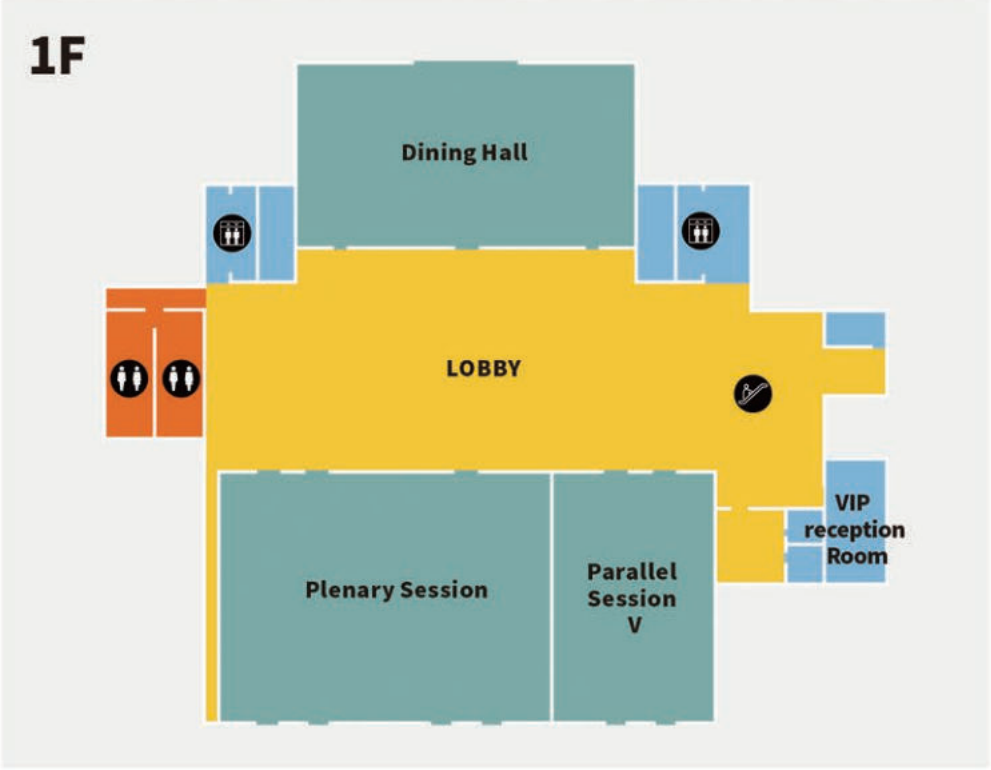
Dongge Ma

Distinguished Professor

Dongge Ma received his B. S. degree from Liaoning University in 1989, and M.S. and Ph.D. degree from Jilin University in 1992 and 1995, respectively. From 1995-1998, he worked as a postdoct/associate professor at Changchun Institute of Applied Chemistry, Chinese Academy of Science. During 1998-2001, he became a visiting professor at Universidade Federal do Parana, Brazil, and a senior research fellow at Durham University and St Andrews University, UK. He joined State Key Lab of Polymer Physics and Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Science as a full professor in 2001. Since 2016, he has been a full professor at State Key Laboratory of Luminescence Materials and Devices in South China University of Technology. He was highly cited scientist of Thomson Reuters (Clarivate) from 2014 to 2018. His research interests are on organic optoelectronic devices and physics, including organic light-emitting diodes (OLEDs) and its applications in lighting, organic photodetectors (OPDs), organic spintronics, organic lasers and exciton dynamics and electronic processes in organic semiconductors.

Program Overview

August 12,2022 (Friday)		
Time	**Event**	**Venue**
09:00-21:00	Registration	Lobby
18:00-21;00	Buffet	Dining Hall
August 13, 2022 (Saturday)		
Time	**Event**	**Venue**
08:30-09:00	Opening Ceremony	Julong Hall
09:00-12:00	Plenary Lecture	Julong Hall
12:30-13:30	Lunch	Dining Hall
14:00-17:45	Parallel Session I	Lotus Hall
14:00-17:45	Parallel Session II	Yulan Hall
14:00-17:45	Parallel Session III	Peony Hall
14:00-17:45	Parallel Session IV	Orchid Hall
14:00-17:45	Parallel Session V	Julong Hall B
17:30-18:30	Poster Session	Lobby
19:00-21:00	Banquet	Dining Hall
August 14, 2022 (Sunday)		
Time	**Event**	**Venue**
08:30-12:30	Parallel Session I	Lotus Hall
08:30-12:30	Parallel Session II	Yulan Hall
08:30-12:30	Parallel Session III	Peony Hall
08:30-12:30	Parallel Session IV	Orchid Hall
08:30-12:10	Parallel Session V Aggregate X Angewandte Forum	Julong Hall B
08:30-12:30	Lunch	Dining Hall
14:00-15:20	Plenary Lecture	Julong Hall
15:20-16:00	Closing Ceremony	Julong Hall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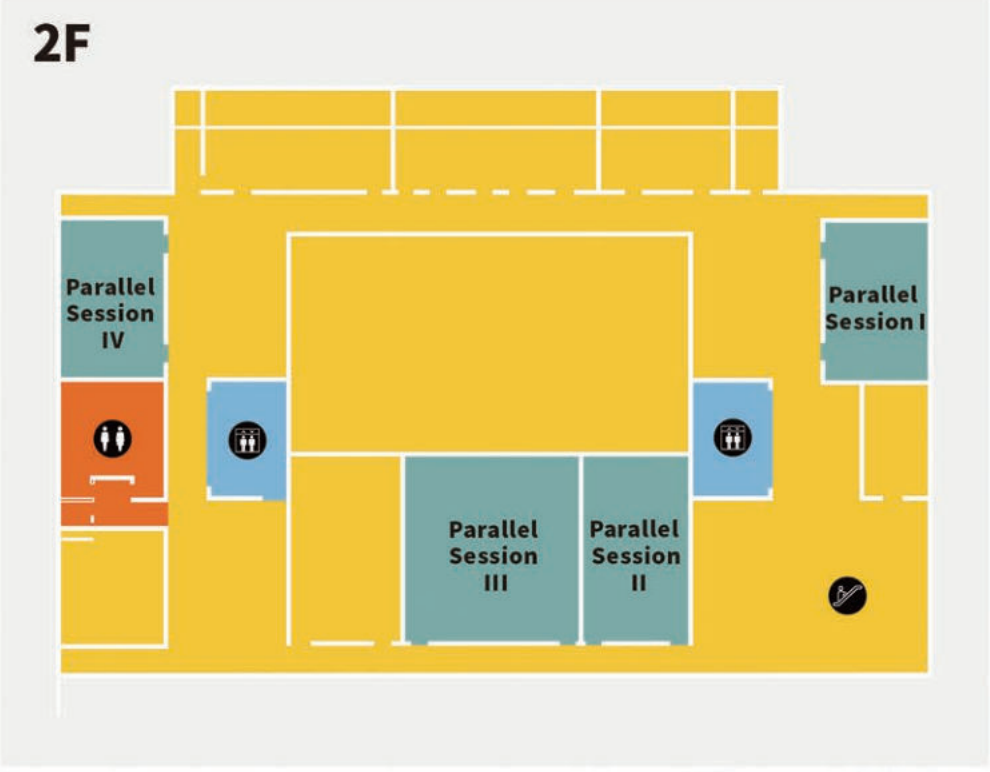
Dining Hall
LOBBY
VIP reception Room
Plenary Session
Parallel Session V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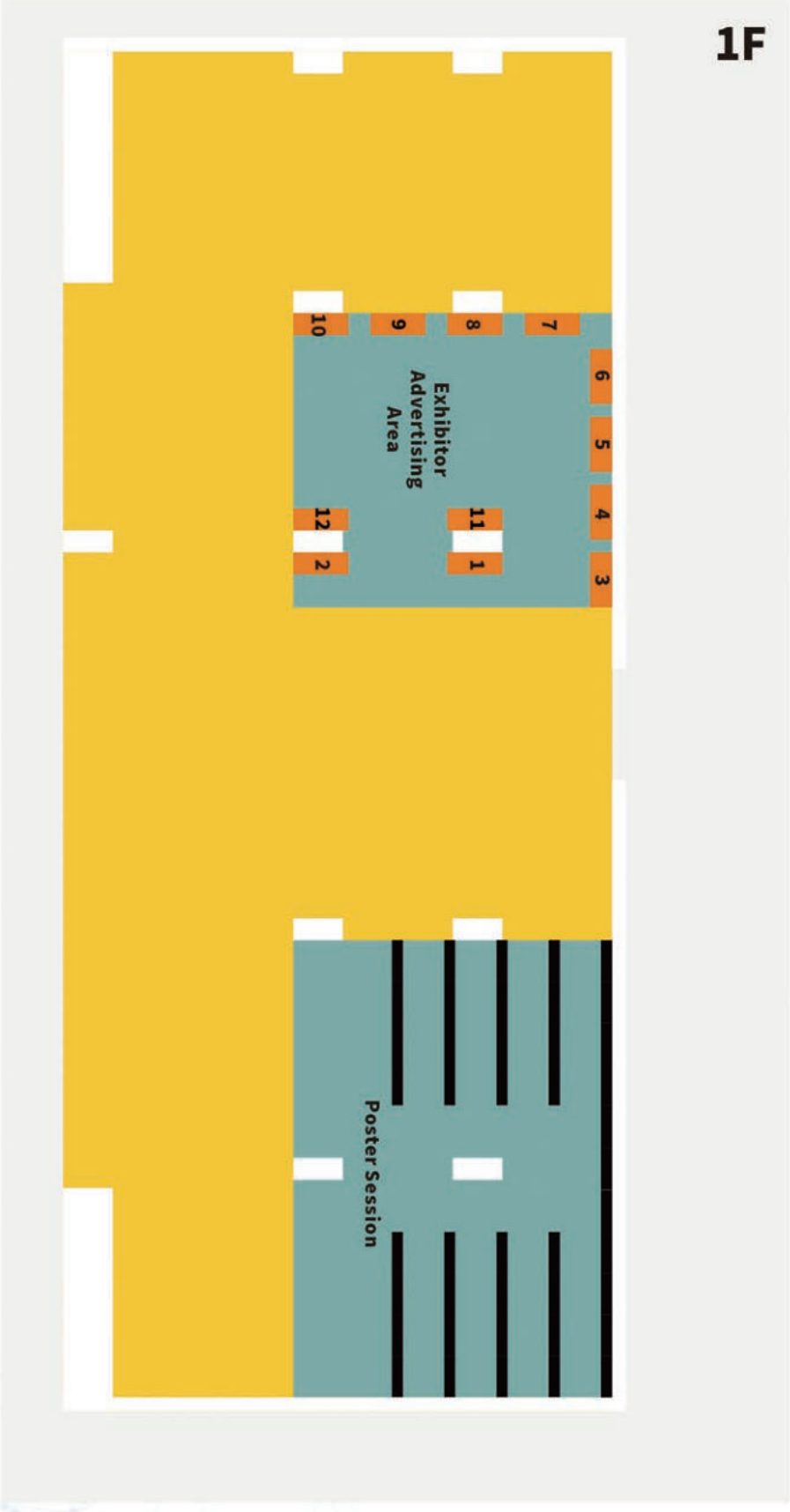
Parallel Session IV
Parallel Session I
Parallel Session III
Parallel Session II

Exhibitor Advertising Area



August 12,2022 (Friday)			
Time	**Event**		**Venue**
09:00-21:00	Registration		Lobby
18:00-21:00	Buffet		Dining Hall
Plenary Session	**August 13, 2022 (Saturday)**		**Venue:Julong Hall**
Time	**Speaker**	**Title**	**Chair**
08:30-09:00		Opening Ceremony	Anjun Qin
		Aggregate Journal & Aggregate Award	
		ASBase X International Science and Technology Information Center	
	Christiane Barranguet (Elsevier)	Track AIE development via evidence-based analysis	
09:00-09:40	Jeffrey Moore University of Illinois at Urbana-Champaign	Mechanotriggered Aggregation-Induced Emission	Bin Liu
09:40-10:20	Donald A. Tomalia University of Pennsylvania	Non-Traditional Intrinsic Luminescence (NTIL): Inexplicable Blue Fluorescence Observed for Dendrimers, Macromolecules and Small Molecules Lacking Conventional Luminophores	
10:20-10:40	coffee break (photo shooting)		
10:40-11:20	Lixiang Wang Changchun Institute of Applied Chemistry Chinese Academy of Sciences	Through-Space Charge Transfer Polymers for Solution-processed OLEDs	Ben Zhong Tang
11:20-12:00	Bin Liu National University of Singapore	Aggregation-Induced Emission: Materials and Biomedical Applications	
Plenary Session	**August 14, 2022 (Sunday)**		**Venue:Julong Hall**
Time	**Speaker**	**Title**	**Chair**
14:00-14:40	Juyoung Yoon Ewha Womans University	AIE based Imaging Probes and Photosensitizers	Andrea Pucci
14:40-15:20	Dongge Ma South China University of Technology	Application of AIE materials as emitter in OLEDs	
15:20-16:00		Closing Ceremony	Ben Zhong Tang
	José Oliveira Senior Editorial Director of Wiley	Closing Remark	
		Young Scientist Award Best Poster Award	
		Remark by Ben Zhong Tang	

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Parallel Session I	August 13, 2022 (Saturday)		Venue:Lotus Hall
Time	**Speaker**	**Title**	**Chair**
14:00-14:20	Zujin Zhao South China University of Technology	Aggregation-Induced Delayed Fluorescence Luminogens and High-Performance OLEDs	Hong Yang
14:20-14:40	Carlo Adamo Pairs University	Modeling structure/property relationship in Aggregation-Induced Emission Phenomena	
14:40-15:00	Lluis Blancafort University of Girona	Understanding AIE with theory and computations	
15:00-15:20	Zhijun Chen Northeast Forestry University	Exploring novel photo physicochemical properties of waste forestry biomass sources and their low-carbon utilization	
15:20-15:35	Haoke Zhang Zhejiang University	Through-Space Interactions in Clusteroluminescence	
15:35-15:50	coffee break		
15:50-16:10	David Lee Phillips Hong Kong University	Ultrafast Time-Resolved Spectroscopic Studies On The AIE Mechanisms Of Selected AIE System	Zujin Zhao
16:10-16:30	Paul R. McGonigal Durham University	Excited-state aromatic interactions and photocyclizations in the aggregation-induced emission of molecular rotors	
16:30-16:50	Xiaogang Liu Singapore University of Technology&Design	Computation Aided Molecular Design via Modulating Twisted Intramolecular Charge Transfer (TICT): From Bright Fluorophores to Environmentally Sensitive AIEgens	
16:50-17:10	Hong Yang Southeast University	AIE-Active Liquid Crystal Elastomers	
17:10-17:30	Liangliang Zhu Fudan University	Combined luminescent regulation on single luminophore	
17:30-17:45	Zijie Qiu The Chinese University of Hong Kong, Shenzhen	Rising From the Flatland: A Strategy to Achieve Solid-State Emission	
17:30-18:30	Poster Session		

Parallel Session II	August 13, 2022 (Saturday)	Venue:Yulan Hall	
Time	**Speaker**	**Title**	**Chair**
14:00-14:20	Jian Ji Zhejiang University	NIR-II emissive AIE nanodots with photothermal effects for theranostic applications	Shuizhu Wu
14:20-14:40	Jong Seung Kim Korea University	Aggregation induces emission theranostics: from imaging agent to therapeutic agent	
14:40-15:00	Dan Ding Nankai University	AIE Probes for Biomedical Applications	
15:00-15:20	Yuning Hong La Tribe university	Optimising molecular rotors to AIE fluorophores and their biological applications	
15:20-15:35	Xinggui Gu Beijing University of Chemical Technology	Development of stable diradical-featured organic small molecule photothermal materials	
15:35-15:50	coffee break		
15:50-16:10	Shuizhu Wu South China University of Technology	Activatable systems based on AIE chromophores for biomarker detection and therapy	Dan Ding
16:10-16:30	Tony D. James University of Bath	Fluorescent Chemosensors and Imaging Agents	
16:30-16:50	Jens Voskuhl Universität duisburg-essen	Shining Light on Transfection	
16:50-17:10	Jun Qian Zhejiang University	AIE nanoprobes for high-contrast "NIR-IIx + NIR-IIb" fluorescence imaging and ultra-deep three-photon microscopy	
17:10-17:30	Mingqiang Zhu Huazhong University of Science and Technology	Water-Soluble AIEgen Enable Automatic 3D Mapping of β-Amyloid Plaques in Whole-Brain of Tg Mice	
17:30-17:45	Wei Wang East China Normal University	AIE-active Chiral Mechanically Interlocked Molecules with Switchable Circularly Polarized Luminescence	
17:30-18:30	Poster Session		

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Parallel Session III	August 13, 2022 (Saturday)	Venue:Peony Hall	
Time	**Speaker**	**Title**	**Chair**
14:00-14:20	Pengfei Duan National Center for Nanoscience and Technology, China	Towards Highly Efficient Circularly Polarized Luminescent Materials from Exclusively Achiral Building Blocks	Zhenguo Chi
14:20-14:40	Andrea Pucci University of Pisa	Red-emitting tetraphenylethylene derivative with aggregation- nduced enhanced emission for luminescent solar concentrators	
14:40-15:00	Bai Yang Jilin University	Carbonized Polymer Dots: A New Optical Building Blocks	
15:00-15:20	Zhiming Wang South China University of Technology	Efficient Ultraviolet OLED Emitters Based on Crossed Long-short Axis Strategy	
15:20-15:35	Wenbo Wu Tianjin University	The Development of Conjugated Polymer Photosensitizers with Aggregation-Induced Emission Characteristics	
15:35-15:50	coffee break		
15:50-16:10	Zhenguo Chi Sun Yat-Sen University	Research Progress in Stimuli-responsive Organic Luminescent Materials	Pengfei Duan
16:10-16:30	Yanli Zhao Nanyang Technological University	Polymer-Enhanced Room Temperature Phosphorescence	
16:30-16:50	Zhongfu An Nanjing Tech University	Organic Room-temperature Phosphorescence Materials and Applications	
16:50-17:10	Wangzhang Yuan Shanghai Jiao Tong University	Clustering-Triggered Emission of Nonconventional Luminophores	
17:10-17:30	Shimei Jiang Jilin University	Programmable photoresponsive materials via distinct topochemical reactions	
17:30-17:45	Guohua Xie Wuhan University	Solution-processed organic light-emitting devices with aggregation-induced emission materials	
17:30-18:30	Poster Session		

Parallel Session IV	August 13, 2022 (Saturday)	Venue:Orchid Hall	
Time	**Speaker**	**Title**	**Chair**
14:00-14:20	Zhen Li Wuhan University/Tianjin University	From single molecule to molecular aggregates	Hai-Bo Yang
14:20-14:40	Thomas J. J. Müller Heinrich-Heine-Universität Düsseldorf	S,N-Ketene Acetal Merocyanines as Emission Switchable AIEgens	
14:40-15:00	Matthew Langton University of Oxford	Halogen bonding tetraphenylethene anion receptors: anion-induced emissive aggregates and photoswitchable recognition	
15:00-15:20	Rongrong Hu South China University of Technology	Regioselective Synthesis of Poly(1,4-diselenin)s or Polyselenophenes from Elemental Selenium	
15:20-15:35	Zikai He Harbin Institute of Technology, Shenzhen	Facile construction and multiplicity investigation of novel chiral luminescent architectures	
15:35-15:50	coffee break		
15:50-16:10	Hai-Bo Yang East China Normal University	High-order Mechanically Interlocked Molecules with Aggregation-Induced Emission Behavior	Zhen Li
16:10-16:30	Min-Hui Li Chimie ParisTech - Université PSL	Far-red/NIR AIE polymer micelles and vesicles as photosensitizers and photocatalysts	
16:30-16:50	Yingwei Yang Jilin University	Supramolecular Assembly-Induced Emission Enhancement in Pillararene Chemistry	
16:50-17:10	Yulan Chen Jilin University	Mechano-responsive Diselenide Containing Polymers for Stress Self-reporting and Self-strengthening	
17:10-17:30	Vandana Bhalla Guru Nanak Dev University	'Light up' Multifunctional Supramolecular Assemblies	
17:30-17:45	Wenming Wan Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences	Polymerization-induced emission as a versatile strategy for the molecular design of nonconjugated AIE polymers	
17:30-18:30	Poster Session		

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Parallel Session V	August 13, 2022 (Saturday)	Venue:Julong Hall B	
Time	**Speaker**	**Title**	**Chair**
14:00-14:15	Mingfeng Wang The Chinese University of Hong Kong, Shenzhen	Polymer-Tuned Aggregation of Organic Chromophores	Ying Li
14:15-14:30	Zhiyong Yang Sun Yat-Sen University	Energy Transfer in Mechano-responsive Luminescence and Persistent Room-Temperature Phosphorescence	
14:30-14:45	Xiaolin Huang Nanchang University	AIEgens/AIE nanoparticles for immunosensing analysis	
14:45-15:00	Baohua Zhang Guangzhou University	Aggregation-induced delayed fluorescence luminogens: the innovation of purely organic emitters for aqueous electrochemiluminescence	
15:00-15:15	Jianbing Shi Beijing Institute of Technology	Multiarylpyrroles (MAPs): Novel photosensitizers for cancer theranostics	
15:15-15:30	Kuan-Guan Liu Ningxia University	Examples of Silver Polymers and Clusters with Aggregation-Induced Emission	
15:30-15:45	Qing Wan Nanchang Hangkong University	Regulating Excited State Property to Design Guide Functional Deep/Near Infrared Red AIEgens	
15:45-16:00	coffee break		
16:00-16:15	Mingyu Wu Southwest Jiaotong University	Plasma Membrane Targeted AIE Fluorescent Probe for Bioimaging	Rong Hu
16:00-16:15	Shusheng Chen Hanshan Normal University	Visualization and monitoring of dynamic damaging–healing processes of polymers by using AIEgen-loaded multifunctional microcapsules	
16:30-16:45	Qikun Sun Qingdao University Of Science & Technology	Room Temperature Phosphorescent Thermoplastic Elastomers (RTP-TPEs)	
16:45-17:00	Wei He The Chinese University of Hong Kong, Shenzhen	Functional Aggregate Materials For Microorganism-Related Bioapplications	
17:00-17:15	Bo Song The Hong Kong University of Science and Technology	Room Temperature One-Step Conversion from Water to Nonaromatic Clusteroluminogens	
17:15-17:30	Jianyu Zhang The Hong Kong University 1of Science and Technology	Dynamic Behaviors of AIE Materials at Single-Molecule and Aggregate States	
17:30-17:45	Jinnan Huo Shanxi University	A rational design strategy for red aggregation-induced emission - thermally activated delay fluorescence emitter employing 2,1,3-benzothiadiazole skeleton with asymmetric structure	
17:30-18:30	Poster Session		

Parallel Session I	August 14, 2022 (Sunday)		Venue:Lotus Hall
Time	**Speaker**	**Title**	**Chair**
08:30-08:50	Chun-Sing Lee City University of Hong Kong	Small Molecules with AIE Features for Fluorescence Imaging, Anticancer and Antibacterial Applications	Zhigang Shuai
08:50-09:10	Xin Zhang Westlake university	Rational Control of Excited Rotational Barriers of AIEgens and Molecular Rotor-Based Fluorophores	
09:10-09:30	Qichun Zhang The City Universty of Hong Kong	Tuning optical properties through hetero-aggregation	
09:30-09:50	Todd Sutherland University of Calgary	Can polymorphs teach us about aggregates?	
09:50-10:05	Rong Hu Univeristy of South China	Smart AIEgens for imaging and therapeutic applications	
10:05-10:20	Fang Hu Southern Medical University	Anthracene-Based AIE Photosensitizers	
10:20-10:40	coffee break		
10:40-11:00	Zhigang Shuai The Chinese University of Hong Kong, Shenzhen	Tuning Aggregate Luminescence from ACQ, AEE to AIE Through Substituents – A Theoretical Study	Xin Zhang
11:00-11:20	Gen-ichi Konishi Tokyo Institute of Technology	New AIEgens based on bridged-stilbene	
11:20-11:40	Youxuan Zheng Nanjing University	Circularly Polarized Photoluminescence and Electroluminescence of Some Chiral Materials	
11:40-12:00	Wallace W. H. WONG The University of Melbourne	Making Naphthalene Diimide Emissive	
12:00-12:15	Kai Wang Jilin University	Pressure Induced Emission Enhancement	
12:15-12:30	Haitao Feng Baoji University of Arts and Sciences	Enantioselective Recognition and Resolution by Chiral AIEgens	

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Parallel Session II	August 14, 2022 (Sunday)	Venue:Yulan Hall	
Time	**Speaker**	**Title**	**Chair**
08:30-08:50	Wenxiong Wang City University of Hong Kong	AIEs application in environmental toxicological studies	Dong Wang
08:50-09:10	Yu Shrike Zhang Harvard Medical School	Aggregates in Biofabrication of Human Tissue Models	
09:10-09:30	Jie Zheng The University of Akron	Exploration of Aggregation-Induced Emission Molecules for Amyloid Protein Aggregation	
09:30-09:50	Na Zhao Shaanxi Normal University	AIE probe for long-term plasma membrane imaging and membrane-targeted photodynamic therapy	
09:50-10:05	Ji Qi Nankai University	Near-Infrared AIE Probes for In Vivo Biomedical Applications	
10:05-10:20	Guangxue Feng South China University of Technology	Photodynamic Therapy with AIE photosensitizers	
10:20-10:40	coffee break		
10:40-11:00	Deqing Zhang Institute of Chemistry Chinese Academy of Sciences	Tuning Proapoptotic Activity of a Phosphoric-Acid-Tethered Tetraphenylethene by Visible-Light-Triggered Isomerization and Switchable Protein Interaction for Cancer Therapy	Dan Ding
11:00-11:20	Sijie Chen Karolinska Institutet	Subcellular structure-specific AIE probes for biomedical studies	
11:20-11:40	Dong Wang Shenzhen University	Construction of Novel NIR AIEgens for Phototheranostics	
11:40-12:00	Youhong Tang Flinders University	Aggregation induced emission luminogens boost microalgae growth and lipid accumulation towards functional sea foods	
12:00-12:15	Xuewen He Soochow University	Phage-guided targeting, discriminative imaging and synergistic killing of bacteria by AIE bioconjugates	
12:15-12:30	Liang Luo Huazhong University of Science and Technology	Aggregation-Induced Enhancement in X-Ray Computed Tomography Contrast	

Parallel Session III	August 14, 2022 (Sunday)	Venue:Peony Hall	
Time	**Speaker**	**Title**	**Chair**
08:30-08:50	Weihong Zhu East China University of Science and Technology	Reconstructed COF and Dynamic Photocages	Wangzhang Yuan
08:50-09:10	Xiaodong Chen Nanyang Technological University	Artificial Sense Technology	
09:10-09:30	Zuo-Quan Jiang Soochow Univeristy	OLED materials with spiro structure	
09:30-09:50	Vinich Promarak Vidyasirimedhi Institute of Science and Technology	Emitting Materials with AIE Feature as Efficient Emitters for Organic Light-Emitting Diodes	
09:50-10:05	Shaohui Huang Key Laboratory of Interdisciplinary Research, IBP	Principles of Fluorescence Correlation Spectroscopy Applicable to Research of Aggregation Induced Emission	
10:05-10:20	Kai Li Southern University of Science and Technology	Exploration of AIEgens for Disease Diagnosis and Treatment	
10:20-10:40	coffee break		
10:40-11:00	Lei Zheng Nanfang Hospital, Southern Medical University	AIE Bioprobes for Clinical Laboratory Analysis	Weihong Zhu
11:00-11:20	Xiaoyuan Chen National University of Singapore		
11:20-11:40	Osamu Tsutsumi Ritsumeikan University	AIE Behavior of Mesogenic Gold(I) Complexes in Crystalline and Liquid-Crystalline Phases	
11:40-12:00	Dongfeng Dang Xi'an Jiaotong University	Seeing the unseen: AIE luminogens for super-resolution imaging	
12:00-12:15	Xing Feng Guangdong Univerisity of Technology	Aggregation Behavior of Pyrene-based Luminescence Materials	
12:15-12:30	Meng Gao South China University of Technology	In Situ Generation of Water-Stable and Red-Emissive Radical Cation for Mutp53 Cancer Therapy	

Schedule

Parallel Session IV	August 14, 2022 (Sunday)		Venue:Orchid Hall
Time	**Speaker**	**Title**	**Chair**
08:30-08:50	Jianping Xie The National University of Singapore	Total Synthesis of Metallic Molecules	Xiaolin Xie
08:50-09:10	Shuangquan Zang Zhengzhou University	Luminescent coinage metal clusters and assembled materials	
09:10-09:30	Chuluo Yang Shenzhen University	Multi-Resonance TADF Emitters and Electroluminescence	
09:30-09:50	Shohei Saito Kyoto University	Flapping Molecular Probe (FLAP) for Monitoring Polymer Mechanochemistry before Covalent Bond Scission	
09:50-10:05	Peifa Wei Anhui University	Controllable Supramolecular Optical Functional Materials	
10:05-10:20	Ting Han Shenzhen University	Synthesis of multifunctional AIE polymers with fused (hetero)cycles by C–H-activated polyannulations of alkynes	
10:20-10:40	coffee break		
10:40-11:00	Xiaolin Xie Huazhong University of Scinece and Technology	AIEgen Functionalized Holographic Polymer Nanocomposites	Rongrong Hu
11:00-11:20	Kazuo Tanaka Kyoto University	Development of Solid-state Near-infrared Luminescent Materials by Selective Lowering of LUMO Levels in AIE-active Molecules	
11:20-11:40	Manzhou Zhu Anhui University	Tailoring the Photoluminescence of Atomically Precise Ligand Protected Metal Nanoclusters	
11:40-12:00	Zheng Zhao The Chinese University of Hong Kong, Shenzhen	The Aggregation Plus Effect within Aggregate Science Research	
12:00-12:15	Hongxia Yan Northwestern Polytechnical University	Organic-inorganic hybrid non-traditional AIE polymers containing silicon and boron	
12:15-12:30	Chaolong Yang Chongqing University of Technology	Long-Lived Organic Room-Temperature Phosphorescence from Amorphous Polymer Systems	

Parallel Session V	August 14, 2022 (Sunday)	Venue:Julong Hall B	
Time	**Speaker**	**Title**	**Chair**
08:30-08:45	Ben Zhong Tang Editor-in-Chief, Aggregate	Opening Remark	Juan Jin
08:45-09:15	Zhiyong Tang National Center for Nanoscience and Technology	Biomimetic chiral photonic crystals	
09:15-09:45	Zongwan Mao Sun Yat-Sen University	Chemical biology of organic AIEgens and their metal complexes	
09:45-10:15	Xingyu Jiang Southern University of Science & Technology	Biological and biochemical advances of AIEgen nanomaterials	
10:15-10:30	coffee break		
10:30-11:00	Yang Tian East China Normal University	Mechanism and Applications of Multicolor Carbon Dots with Improved Fluorescence Quantum Yield	Ying Yu
11:00-11:30	Da Han Shanghai Jiao Tong University	DNA-based Computation for Molecular Diagnostics	
11:30-12:00	Guangqin Li Sun Yat-Sen University	MOF-Based Materials for Hydrogen Production and Conversion	
12:00-12:10	Xin Su Executive Editor, Angewandte Chemie	Closing Remark	

Poster

Poster			
ID	Presenter	Affiliation	Title
1	Yihang Jiang	Shenzhen University	A mitochondrion-targeting two-photon photosensitizer with aggregation-induced emission characteristics for hypoxia-tolerant photodynamic therapy
2	Kang Wang	Northwest Normal University	Nonconjugated Fluorescent Polymer Nanoparticles by Self-assembly of PIMA-g-β-CD for Live-Cell Long-Term Tracking
3	Benzhao He	Beijing Normal University at Zhuhai	Novel Quinolizine AIE System: Visualization of Molecular Motion and Elaborate Tailoring for Biological Application
4	Xue Yang	The Chinese University of HongKong	Site-Specific Displacement-Driven Activation of Supramolecular Photosensitizing Nanoassemblies for Antitumoral Photodynamic Therapy
5	Yunhe Yan	Northwestern Polytechnical University	Multicolor emission of nonaromatic linear polysiloxane based on local conjugation chains
6	Li-jun Ma	Beijing University of Chemical Technology	Benzothiazolium Derivative-Capped Silica Nanocomposites for β-Amyloid Imaging In Vivo
7	Yujie Geng	Beijing University of Chemical Technology	The Si-Rhodamine Derivatives for Brain Fluorescence Imaging and monitor of H2S in the brain of Schizophrenic Mice Before and After treatment
8	Xiancheng Nie	University of Science and Technology of China	Kinetic and thermodynamic control of tetraphenylethene aggregation-induced emission behaviors
9	Nannan Ding	Shaanxi Normal University	Methamphetamine Detection Enabled by A Fluorescent Carborane Derivative of Perylene Monoimide in Film State
10	Xinzhe Yang	South China University of Technology	Near-infrared luminescent materials for tumor cell HSP90α protein regulation and photothermal therapy
11	Rui-hua Dong	The Chinese University of Hong Kong, Shenzhen	In Situ Electrospinning of Aggregation-Induced Emission Nanofibrous Dressing for Wound Healing
12	Rongrong Huang	Shaanxi Normal University	A Fluorescent Film Sensor for High-Performance Detection of Listeria Monocytogenes via Vapor Sampling
13	Chaolong Wang	School of Chemistry and Chemical Engineering, Shaanxi Normal University	Through-Space Charge Transfer: A New Way to Develop a High-Performance Fluorescence Sensing Film towards Opto-Electronically Inert Alkanes
14	Dan Liu	The Chinese University of Hong Kong, Shenzhen	Solution-processed AIEgen NIR OLEDs with EQE Approaching 15%
15	Chunxia Hua	University of Science and Technology of China	Halogen Enhanced Organic Room-Temperature Phosphorescence of Small Molecular Host-Guest Systems
16	Zhiyao Hou	South China University of Technology	Near-infrared luminescent materials for tumor cell HSP90α protein regulation and photothermal therapy
17	Wenjin Wang	The Chinese Unversity of Hong Kong, Shenzhen	Ferroptosis-Enhanced Cancer Immunity by a Ferrocene-Appended Iridium(III) Diphosphine Complex
18	Bingnan Wang	South China University of Technology	The Commercial Antibiotics with Inherent Aggregation-Induced Emission Characteristics

Poster			
ID	Presenter	Affiliation	Title
19	Zicong Zhang	The Chinese University of Hong Kong,Shenzhen	A clickable AIEgen for visualization of macrophage-microbe interaction
20	Haoran Wang	HKUST	Visualization and Manipulation of Solid-State Molecular Motions in Cocrystallization Processes
21	Simin Lin	Shaanxi Normal University	High-Performance NMHCs Detection Enabled by a Perylene Bisimide-Cored Metallacycle Complex-Based Fluorescent Film Sensor
22	Zhan Yang	The Chinese University of Hong Kong, Shenzhen	From para to ortho: Incarnating conventional TADF molecules into AIE-TADF molecules for highly-efficient non-doped OLEDs
23	Yu Xiong	Shenzhen University	Unveiling the Crucial Contributions of Electrostatic and Dispersion Interactions to the Ultralong Room-Temperature Phosphorescence of H-bond Crosslinked Poly(vinyl alcohol) Films
24	Jianmiao Zhu	South China University of Technology	AIE albumin nanocarrier synergistically enhance the visualization and treatment of paclitaxel
25	Longjie Wang	Yunnan university	Intermolecular Hydrogen Bond induce Restriction of Access to Dark State for Triggering Aggregation-Induced Emission
26	Wenwen Fan	School of Chemical Science and Technology, Yunnan University	A turn-on NIR fluorescence sensors for gossypol detection
27	Yuqian Guo	Nanchang University	“One to more” quenched and DNA-enhanced AIEgen fluorescence for amplified CRIPSR-Cas12 nucleic acid diagnostics
28	Shiping Yang	The Hong Kong University of Science and Technology	Design of Multifunctional NIR AIEgen and Development of Theranostic System with Tumor-specific Targeting, Retention and Inhibition
29	Heping Shi	Shanxi University	Effective Design Strategy for Diphenylsulfone-Based Emitters with Aggregation-Induced Emission and Thermally Activated Delayed Fluorescence Characteristics Achieving Efficient Electroluminescence
30	Han Wang	South China University of Technology	Tetraphenylnaphthosiline (TPNS): A Potential Building Block Based on “Benzo-silole” Strategy for Deep-Blue Emitter Featured Aggregation Induced Blue-shifted Emission
31	Yin Li	South China University of Technology	Exploring New Fluorescent Bioconjugation Precursor by Novel Light Induced Ring Enlargement Strategy based on 1,2-Squaric Acid Derivatives
32	Xin He	South China University of Technology	A Novel Ultraviolet Fluorophore with Narrowed Emission via Coplanar Molecular Strategy
33	Yi Cheng	School of Chemical Science and Technology, Yunnan University	Fast photostimulus-responsive ultralong room-temperature phosphorescence behaviour of benzoic acid derivatives@boric acid
34	Lirong Wang	South China University of Technology	Aggregation and De-aggregation of AIEgens in Nanomicelles toward Magnetic Resonance/NIR Fluorescence Imaging-Guided Photodynamic Therapy
35	Qi Sun	Xi'an Jiaotong University	Cationic Telluroviologen Derivatives as Type-I Photosensitizers for Tumor Photodynamic Theranostics
36	Lifeng Xu	The Chinese University of Hong Kong, Shenzhen	Natural silk fibroin based on aggregation induced emission with clustering-triggered mechanism and its multiple application

Poster

Poster			
ID	Presenter	Affiliation	Title
37	Yipeng Zhang	Chinese University of Hongkong (Shenzhen)	Bioinspired Surface Coating and Functionalization of Supramolecular J-Aggregate Nanotubes Composed of Amphiphilic Cyanine Dyes
38	Mingyang Han	Inner Mongolia University	An easily available ratiometric AIE probe for nitroxyl visualization in vitro and in vivo
39	LiJun Mei	Huazhong University of Science and Technology	AIE-Based Super-Resolution Imaging
40	Qiyun Deng	South China University of Technology	Referential Modification Strategy based on Phenolic Hydroxyl-containing KSA Luminogens for ER-targeting Probe Construction
41	Xirui Chen	Nanchang University	Construction of a universal strategy for gold-AIE nano-assembles with tunable plasmonic-fluorescent activities
42	Rui Tian	Huazhong University of Science and Technology	Green Fluorescence Turn-on Imaging of Latent Fingerprints Based on Aggregation-Induced Emission
43	Qianying Li	Nanchang University	Mechanism of Berberine-mediated photodynamic inactivation against Listeria monocytogenes
44	Ping Li	Nanchang university	Photosensitizer-Engineered Salmonella Bacteria Potentiate Photodynamic Tumor Ablation and Protein Delivery
45	Panpan Lv	Baoji University of Arts and Sciences	Chiral aggregation induced emission (AIE) synthesis of cyclic compounds and its molecular recognition
46	Pu Chen	Baoji University of Arts and Sciences	Multifunctional quinolinium based AIEgens: Imaging of dual organelles and generation of type I ROS
47	Shuo Li	Beijing University of Chemical Technology	Aggregation-induced emission (AIE) photosensitizer combined polydopamine nanomaterials for organelle-targeting photodynamic and photothermal therapy by the recognition of sialic acid
48	Shuaijun Sun	Inner Mongolia University	Constructional Isomerization：Manipulating Molecular Packing for Achieving Near-Infrared Cancer Theranostics
49	Xin Wang	Inner Mongolia University	Acceptor Planarization and Donor Rotation: A General Strategy for Realizing Synergistic Cancer Phototherapy via Type I PDT and PTT
50	Guiquan Zhang	South China University of Technology	"1+1+1>3": Integrated Cancer Treatment with Photothermal Therapy, Chemotherapy and Immunotherapy
51	Xiaohui Wang	Guangdong University of Technology	Y-shaped pyrene-based aggregation-induced emission blue emitters for high-performance OLED devices

Transportation

Crowne Plaza Pearl River

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1. Shenzhen Bao 'an Airport - Crowne Plaza Shenzhen Longgang Pearl River Hote

Route 1, take Shenzhen Airport bus:

Take Line A4 (3 stops) from West Platform of Airport Ground Traffic Center to Shenzhen Longgang City Terminal Building. Shenzhen Airport bus runs from 07:00 to 02:00 every 30 minutes.

Route 2, take a taxi:

Take a taxi from Shenzhen Airport to the hotel (about 250 yuan)

Route 3, take the Shenzhen Metro:

A: Take the subway (Line 1) to Laojie Subway station and then take the subway (Line 3) to Longcheng Square subway Station and get off at Exit D.

B: From Airport North Subway Station/Airport Subway station, take subway line 11 to Futian Subway station and transfer to Line 3. Then get off at Exit D of Longcheng Square Subway Station.

2. Shenzhen North High-speed Railway Station -- Crowne Plaza Shenzhen Longgang Pearl River

Route 1. Take the subway

Shenzhen North Station take the subway (line 5) to Buji subway station transfer (line 3) to Longcheng Square subway station exit D.

Route 2 Take a taxi:

Take a taxi from Shenzhen North Railway Station (about 120 yuan)

3. Luohu Railway Station - Crowne Plaza Shenzhen Longgang Pearl River

Route 1. Take the subway

Luohu SUBWAY STATION take the subway (Line 1) to LAOjie subway station transfer (Line 3) to Longcheng Square subway station exit D.

Route 2, take a taxi:

Take a taxi from Luohu Railway Station to the hotel (about 120 yuan)

Organizer

About Long Feng Science Forum (翔龙鸣凤科学论坛)

Long Feng Science Forum (翔龙鸣凤科学论坛), formerly known as the CUHK-Shenzhen Wutong Forum (梧桐论坛), were hosted by SSE in August 2018 and August 2021. The 2018 Wutong Forum selected 48 outstanding young scholars from hundreds of applications around the globe to attend the conference on our beautiful Shenzhen campus. Due to the COVID-19 pandemic, the 2021 Wutong Forum was held online, which brought together 114 world-renowned scholars and highly-cited scientists from 15 countries and regions. Invited speakers presented their cutting-edge research work to an audience of approximately 1,000 domestic and international professors, students, scholars and industry professionals.

Building on these successful and prolific events, SSE is refining the "Long Feng Science Forum" brand to enhance academic exchange, attract top scientists and rising stars to join or cooperate with us, and promote mutual development. We now have three diversified academic activity modes: Main Forum, Seminar Series and Workshop Series.

The Main Forum this year will be held online on August 19 - 21, which aims at welcoming young talents and rising stars in various disciplines from all over the world to share research results and experiences through academic talks. Over 100 young scholars have been shortlisted to participate. Opening ceremony will be livestreamed on multiple CUHK-Shenzhen social media platforms starting at 8:30 am on August 19. We sincerely invite all viewers to tune in.

In Seminar Series, bi-weekly seminars are held online and usually last for one hour including Q&A. By invitation from SSE faculty members, scholars of different seniorities from worldwide universities will talk about their recent findings and share academic life stories with our students and faculty. Two very interesting and interactive seminars have been livestreamed in the past month.

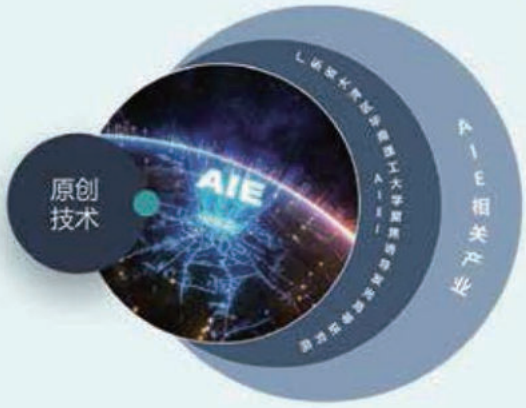
Workshop Series will present aperiodic workshops of different disciplines. These academic banquets will enable SSE faculty members to form clusters with their fellow scholars in the same research field to discuss advanced topics, share research results, improve communication and promote cooperation among universities, institutions and industries.

To quote one founding member of CUHK-Shenzhen, "where Wutong trees (phoenix trees) have been planted, phoenix will fly over." Eagerly yet patiently, we wait for talents like soaring dragons and singing phoenixes to gather around CUHK-Shenzhen and to prosper together.

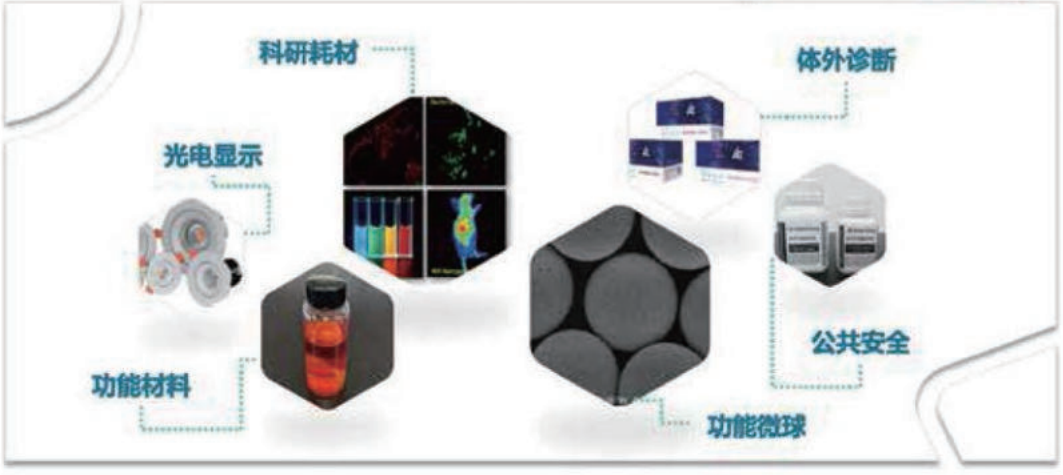
聚集诱导发光高等研究院
AIE Institute

单位简介

广东省大湾区华南理工大学聚集诱导发光高等研究院，简称AIE高等研究院，由AIE概念提出者——唐本忠院士领导组建，是一家围绕聚集诱导发光（AIE）技术进行科技成果转化的省级新型研发机构，致力于打造AIE创新前沿科学转化中心和工程技术平台，推动区域产业升级和高校产学研用一体化。



应用方向



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国际科技信息中心

About us

中心介绍

国际科技信息中心是深圳市科技创新委员会携手清华大学深圳国际研 究生院、市科技图书馆、深圳清华大学研究院及国家超级计算深圳中 心联合建设的新型产学研组织。

中心立足深圳、面向世界，通过打造涵盖基础设施、科技文献、科技 数据、科技情报、高端科技智库、智能知识服务的“AMiner·深圳·科 技超脑”平台，助力深圳成为具有国际影响力的科技信息交流及汇聚 中心、科技信息原创和研究中心。

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愿景 有国际影响力的科技信息汇聚中心、交流中心、创新中心

优势 高价值互联数据、强分析深刻洞察

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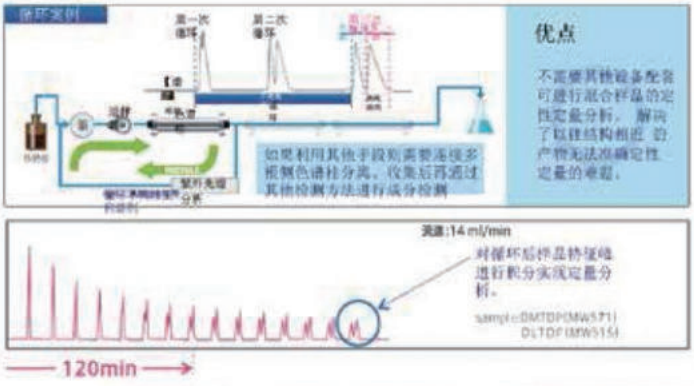

应用案例

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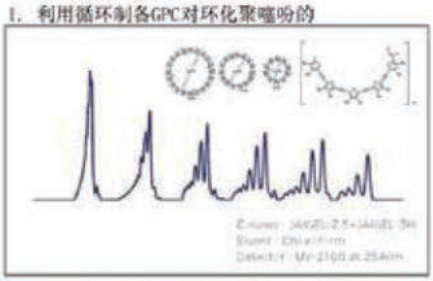
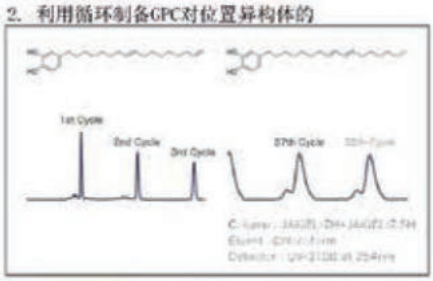
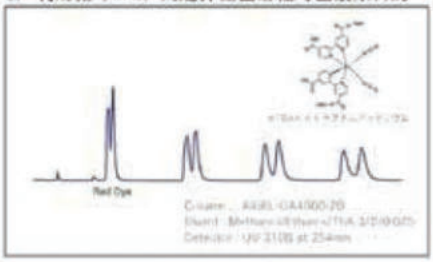


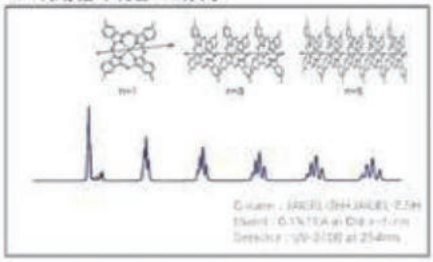
2. 利用循环制备GPC对位置异构体的



3. 利用循环HPLC+高选择性色谱柱对色素原料的



4. 利用循环制备GPC分离



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