

Handbook of Aggregation-Induced Emission, 3 Volumes Set

Edited by *Youhong Tang and Ben Zhong Tang*

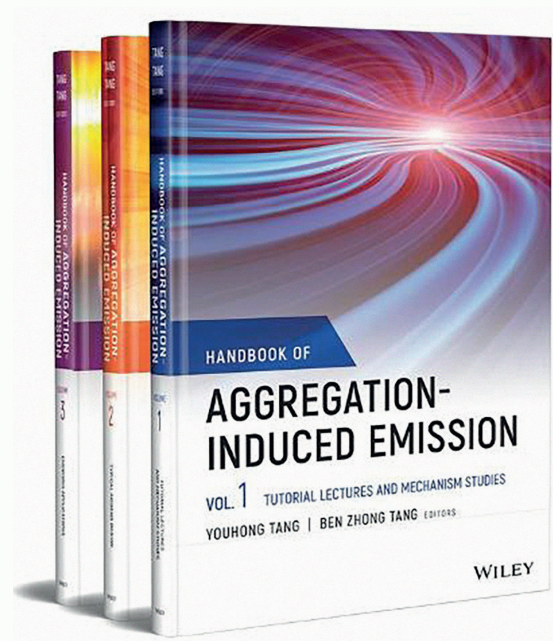
Chemistry | Physical Chemistry | Photochemistry

The ultimate reference on the science, developments and applications of aggregation induced emission celebrates twenty years of progress and achievement in the field

Handbook of Aggregation-Induced Emission explores foundational and advanced topics in aggregation-induced emission, as well as cutting-edge developments in the field, celebrating twenty years of progress and achievement in this important and interdisciplinary field. The three volumes combine to offer readers a comprehensive and insightful interpretation accessible to both new and experienced researchers working on aggregation-induced emission.

- Volume One presents tutorials on various aspects of AIE research, exploring AIE mechanisms and discussing the history, progress and future directions of AIE research
- Volume Two addresses the design and synthesis of typical AIEgens which have made significant contributions to AIE research
- Volume Three focuses on applications of AIEgens in a variety of fields including bio-imaging, fluorescent molecular switches, electrochromic materials, regenerative medicine and detection of organic volatile contaminants

Perfect for academic researchers working on aggregation-induced emission, this set of reference is also ideal for professionals and students in the fields of photophysics, photochemistry, materials science, optoelectronic materials, synthetic organic chemistry, macromolecular chemistry, polymer science, and biological sciences.



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The Editors



Youhong Tang is Associate Professor at Flinders University, Australia, and an active researcher in the aggregation-induced emission research community. He was guest editor for a commemorative issue on Aggregation-Induced Emission (MDPI Molecules, 2016-2017) and chair of the 4th International Symposium on Aggregation Induced Emission: Materials, Mechanisms and Applications in 2019.



Ben Zhong Tang is a Chair Professor in the Department of Chemistry at The Hong Kong University of Science & Technology. He is known as the pioneer of aggregation-induced emission, an unusual photophysical phenomenon that has found applications in many fields.



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List of Contributors

Nagappanpillai Adarsh

Université de Strasbourg, CNRS, Laboratoire de Bioimagerie et Pathologies UMR 7021, Strasbourg, France

Ilya O. Aparin

Université de Strasbourg, CNRS, Laboratoire de Bioimagerie et Pathologies UMR 7021, Strasbourg, France

Jan Balszuweit

Institute of Organic Chemistry, University of Duisburg-Essen, Essen, Germany

Vandana Bhalla

Department of Chemistry, UGC Sponsored Centre for Advanced Studies-II, Guru Nanak Dev University, Amritsar, PB, India

Sheshanath V. Bhosale

School of Chemical Sciences, Goa University, Taleigao Plateau, Goa, India

Lukas Biesen

Institut für Organische Chemie und Makromolekulare Chemie, Heinrich-Heine-Universität Düsseldorf, Düsseldorf, Germany

Lluís Blancafort

Institut de Química Computacional i Catàlisi and Departament de Química, Facultat de Ciències, Universitat de Girona, Spain

Zhengxu Cai

Beijing Key Laboratory of Construction Tailorable Advanced Functional Materials and Green Applications, Beijing Institute of Technology, Beijing, China

Elena Cariati

Department of Chemistry, Università degli Studi di Milano, Milano, Italy

Serena Carrara

La Trobe Institute for Molecular Science, La Trobe University, Melbourne, VIC, Australia
Aix Marseille Université, CNRS, CINAM, Marseille, France

Hao Chen

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou, China

Hui Chen

Chimie ParisTech, PSL University Paris, CNRS, Institut de Recherche de Chimie Paris, Paris, France

Ming Chen

College of Chemistry and Materials Science, Jinan University, Guangzhou, China

Sijie Chen

Ming Wai Lau Centre for Reparative Medicine, Karolinska Institutet, Hong Kong, China

Zhenguo Chi

State Key Laboratory of OEMT, School of Chemistry, Sun Yat-sen University, Guangzhou, China

Yoshiki Chujo

Department of Polymer Chemistry, Graduate School of Engineering, Kyoto University, Katsura, Kyoto, Japan

Rachel Crespo-Otero

Department of Chemistry, Queen Mary University of London, London, United Kingdom

Dan Ding

State Key Laboratory of Medicinal Chemical Biology, Key Laboratory of Bioactive Materials, Ministry of Education, and College of Life Sciences, Nankai University, Tianjin, China

Harnimarta Deol

Department of Chemistry, UGC Sponsored Centre for Advanced Studies-II, Guru Nanak Dev University, Amritsar, PB, India

Yong Qiang Dong

Beijing Key Laboratory of Energy Conversion and Storage Materials, College of Chemistry, Beijing Normal University, Beijing, China

Yuping Dong

Beijing Key Laboratory of Construction Tailorable Advanced Functional Materials and Green Applications, Beijing Institute of Technology, Beijing, China

Cheng Fan

Wuhan National Laboratory for Optoelectronics, School of Optics and Electronic Information, Huazhong University of Science and Technology, Wuhan, China

Zhe Feng

State Key Laboratory of Modern Optical Instrumentations, Zhejiang University, Hangzhou, China

Alessandra Forni

Institute of Sciences and Chemical Technologies "Giulio Natta" (SCITEC) of CNR, Milan, Italy

Yan Fu

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou, China

Fuwei Gan

Frontiers Science Center for Transformative Molecules, State Key Laboratory of Metal Matrix Composites, Shanghai Jiao Tong University, Shanghai, China

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Heqi Gao

State Key Laboratory of Medicinal Chemical Biology, Key Laboratory of Bioactive Materials, Ministry of Education, and College of Life Sciences, Nankai University, Tianjin, China

Meng Gao

National Engineering Research Center for Tissue Restoration and Reconstruction, South China University of Technology, Guangzhou, China

Zhiyuan Gao

State Key Laboratory of Medicinal Chemical Biology, Key Laboratory of Bioactive Materials, Ministry of Education, and College of Life Sciences, Nankai University, Tianjin, China

Ziyi Ge

Ningbo Institute of Materials Technology & Engineering, Chinese Academy Sciences, Ningbo, China

Center of Materials Science and Optoelectronics Engineering, University of Chinese Academy of Sciences, Beijing, China

Masayuki Gon

Department of Polymer Chemistry, Graduate School of Engineering, Kyoto University, Katsura, Kyoto, Japan

Kaizhi Gu

School of Chemistry and Molecular Engineering, East China University of Science & Technology, Shanghai, China

Xingguo Gu

Beijing Advanced Innovation Center for Soft Matter Science and Engineering, Beijing University of Chemical Technology, Beijing, China

Zhiqian Guo

School of Chemistry and Molecular Engineering, East China University of Science & Technology, Shanghai, China

Ting Han

Hong Kong Branch of Chinese National Engineering Research Center for Tissue Restoration & Reconstruction, and Institute for Advanced Study, The Hong Kong University of Science and Technology, Kowloon, China

Zikai He

School of Science, Harbin Institute of Technology, Shenzhen, HIT Campus of University Town, Shenzhen, China

Kyohei Hisano

Department of Applied Chemistry, College of Life Sciences, Ritsumeikan University, Kusatsu, Japan

Yuning Hong

Department of Chemistry and Physics, La Trobe Institute for Molecular Science, La Trobe University, Melbourne, Victoria, Australia

Fang Hu

Guangdong Provincial Key Laboratory of Construction and Detection in Tissue Engineering, School of Biomedical Engineering, Southern Medical University, Guangzhou, China

Ming Hu

Key Laboratory of Material Chemistry for Energy Conversion and Storage, Ministry of Education, Huazhong University of Science and Technology, Wuhan, China

Rong Hu

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou, China

Xianglong Hu

Ministry of Education Key Laboratory of Laser Life Science and Guangdong Provincial Key Laboratory of Laser Life Science, South China Normal University, Guangzhou, China

Jianbin Huang

Beijing National Laboratory for Molecular Sciences (BNLMS), College of Chemistry and Molecular Engineering, Peking University, Beijing, China

Wenbin Huang

School of Science, Harbin Institute of Technology, Shenzhen, HIT Campus of University Town, Shenzhen, China

Yanyan Huang

Beijing National Laboratory for Molecular Sciences, CAS Key Laboratories of Organic Solids and Analytical Chemistry for Living Biosystems, Chinese Academy of Sciences, Beijing, China

Yinjuan Huang

School of Materials Science and Engineering, Nanyang Technological University, Singapore, Singapore

Yuzhang Huang

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou, China

Yohei Ishida

Division of Material Science and Engineering, Faculty of Engineering, Hokkaido University, Sapporo, Hokkaido, Japan

Fuyuki Ito

Department of Chemistry, Institute of Education, Shinshu University, Nagano, Japan

Shunichiro Ito

Department of Polymer Chemistry, Graduate School of Engineering, Kyoto University, Katsura, Kyoto, Japan

Parameswar Krishnan Iyer

Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati, Assam, India
Centre for Nanotechnology, Indian Institute of Technology Guwahati, Guwahati, Assam, India

Ratan W. Jadhav

School of Chemical Sciences, Goa University, Taleigao Plateau, Goa, India

Guoyu Jiang

Inner Mongolia Key Laboratory of Fine Organic Synthesis, College of Chemistry and Chemical Engineering, Inner Mongolia University, Hohhot, China

Lathe A. Jones

CAMIC, School of Science, RMIT University, Melbourne, VIC, Australia

Chuen Kam

Ming Wai Lau Centre for Reparative Medicine, Karolinska Institutet, Hong Kong, China

Sriram Kanvah

Department of Chemistry, Indian Institute of Technology Gandhinagar, Palaj Gandhinagar, India

Jagadish Katla

Department of Chemistry, Indian Institute of Technology Gandhinagar, Palaj Gandhinagar, India

Andrey S. Klymchenko

Université de Strasbourg, CNRS, Laboratoire de Bioimagerie et Pathologies UMR 7021, Strasbourg, France

Mohammad Al Kobaisi

School of Science, Faculty of Science, Engineering and Technology, Swinburne University of Technology, Hawthorn, Australia

Kenta Kokado

Research Institute for Electronic Science, Hokkaido University, Sapporo, Hokkaido, Japan

Graduate School of Environmental Science, Hokkaido University, Sapporo, Hokkaido, Japan

PRESTO, JST, Chiyodaku, Tokyo, Japan

Manoj Kumar

Department of Chemistry, UGC Sponsored Centre for Advanced Studies-II, Guru Nanak Dev University, Amritsar, PB, India

Beena Kumari

Department of Chemistry, Indian Institute of Technology Gandhinagar, Palaj Gandhinagar, India

Jacky W. Y. Lam

Hong Kong Branch of Chinese National Engineering Research Center for Tissue Restoration & Reconstruction, and Institute for Advanced Study, The Hong Kong University of Science and Technology, Kowloon, China

Yunxiang Lei

Beijing Key Laboratory of Construction Tailorable Advanced Functional Materials and Green Applications, Beijing Institute of Technology, Beijing, China

Chong Li

Wuhan National Laboratory for Optoelectronics, School of Optics and Electronic Information, Huazhong University of Science and Technology, Wuhan, China

Kai Li

Department of Biomedical Engineering, Southern University of Science and Technology, Shenzhen, Guangdong, China

Kai Li

Henan Key Laboratory of Crystalline Molecular Functional Materials, Zhengzhou University, Zhengzhou, China

Min-Hui Li

Chimie ParisTech, PSL University Paris, CNRS, Institut de Recherche de Chimie Paris, Paris, France

Beijing Advanced Innovation Center for Soft Matter Science and Engineering, Beijing University of Chemical Technology, Beijing, China

Qianqian Li

Department of Chemistry, Wuhan University, Wuhan, China

Yufeng Li

Beijing Advanced Innovation Center for Soft Matter Science and Engineering, Beijing University of Chemical Technology, Beijing, China



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Yuanyuan Li

Hong Kong Branch of Chinese National Engineering Research Center for Tissue Restoration & Reconstruction, and Institute for Advanced Study, The Hong Kong University of Science and Technology, Kowloon, China

Zhen Li

Department of Chemistry, Wuhan University, Wuhan, China

Institute of Molecular Aggregation Science, Tianjin University, Tianjin, China

Qiuyan Liao

Department of Chemistry, Wuhan University, Wuhan, China

Xia Ling

National Engineering Research Center for Tissue Restoration and Reconstruction, South China University of Technology, Guangzhou, China

Junkai Liu

Hong Kong Branch of Chinese National Engineering Research Center for Tissue Restoration and Reconstruction and Institute for Advanced Study, The Hong Kong University of Science and Technology, Hong Kong, China

Leijing Liu

State Key Laboratory for Supramolecular Structure and Materials, Jilin University, Changchun, Jilin Province, China

Mengyang Liu

Beijing Key Laboratory of Energy Conversion and Storage Materials, College of Chemistry, Beijing Normal University, Beijing, China

Shunjie Liu

Hong Kong Branch of Chinese National Engineering Research Center for Tissue Restoration & Reconstruction, and Institute for Advanced Study, The Hong Kong University of Science and Technology, Kowloon, China

Yali Liu

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou, China

Yingying Liu

Beijing Key Laboratory of Energy Conversion and Storage Materials, College of Chemistry, Beijing Normal University, Beijing, China

Elena Lucenti

Institute of Sciences and Chemical Technologies "Giulio Natta" (SCITEC) of CNR, Milan, Italy

Tracey Luu

Department of Chemistry and Physics, La Trobe Institute for Molecular Science, La Trobe University, Melbourne, Victoria, Australia

Xiang Ma

Key Laboratory for Advanced Materials and Institute of Fine Chemicals, East China University of Science & Technology, Shanghai, China

Yongjie Ma

Beijing Advanced Innovation Center for Soft Matter Science and Engineering, Beijing University of Chemical Technology, Beijing, China

Niranjan Meher

Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati, Assam, India

Thomas J. J. Müller

Institut für Organische Chemie und Makromolekulare Chemie, Heinrich-Heine-Universität Düsseldorf, Düsseldorf, Germany

Andrea Nitti

Department of Chemistry, University of Pavia and INSTM Research Unit, Pavia, Italy

Supattra Panthai

Department of Applied Chemistry, College of Life Sciences, Ritsumeikan University, Kusatsu, Japan

Dario Pasini

Department of Chemistry, University of Pavia and INSTM Research Unit, Pavia, Italy

Qian Peng

School of Chemical Sciences, University of Chinese Academy of Sciences, Beijing, China

Andrea Previtali

Department of Chemistry, Università degli Studi di Milan, Milan, Italy

Andrea Pucci

Dipartimento di Chimica e Chimica Industriale, Università di Pisa, Pisa, Italy
INSTM, UdR Pisa, Pisa, Italy

Jinwan Qi

Beijing National Laboratory for Molecular Sciences (BNLMS), College of Chemistry and Molecular Engineering, Peking University, Beijing, China

Li Qi

Beijing National Laboratory for Molecular Sciences, Key Laboratory of Analytical Chemistry for Living Biosystems, Chinese Academy of Sciences, Beijing, China
School of Chemical Sciences, University of Chinese Academy of Sciences, Beijing, China

Jun Qian

State Key Laboratory of Modern Optical Instrumentations, Zhejiang University, Hangzhou, China

Juan Qiao

Beijing National Laboratory for Molecular Sciences, Key Laboratory of Analytical Chemistry for Living Biosystems, Chinese Academy of Sciences, Beijing, China
School of Chemical Sciences, University of Chinese Academy of Sciences, Beijing, China

Anjun Qin

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou, China

Huibin Qiu

Frontiers Science Center for Transformative Molecules, State Key Laboratory of Metal Matrix Composites, Shanghai Jiao Tong University, Shanghai, China

T. P. Radhakrishnan

School of Chemistry, University of Hyderabad, Hyderabad, India

Andreas Reisch

Université de Strasbourg, CNRS, Laboratoire de Bioimagerie et Pathologies UMR 7021, Strasbourg, France

Bibhisan Roy

Institute of Organic Chemistry, University of Duisburg-Essen, Essen, Germany

Kazuki Sada

Faculty of Science, Hokkaido University, Sapporo, Hokkaido, Japan

Graduate School of Chemical Sciences and Engineering, Hokkaido University, Sapporo, Hokkaido, Japan

Chengshuo Shen

Frontiers Science Center for Transformative Molecules, State Key Laboratory of Metal Matrix Composites, Shanghai Jiao Tong University, Shanghai, China

Xueliang Shi

Shanghai Key Laboratory of Green Chemistry and Chemical Processes, School of Chemistry and Molecular Engineering, East China Normal University, Shanghai, China

N. Senthilnathan

School of Chemistry, University of Hyderabad, Hyderabad, India

Gurpreet Singh

Department of Chemistry, UGC Sponsored Centre for Advanced Studies-II, Guru Nanak Dev University, Amritsar, PB, India

Jiangman Sun

Beijing Advanced Innovation Center for Soft Matter Science and Engineering, Beijing University of Chemical Technology, Beijing, China

Siyu Sun

Key Laboratory for Advanced Materials and Institute of Fine Chemicals, East China University of Science & Technology, Shanghai, China

Shinsuke Takagi

Department of Applied Chemistry, Graduate Course of Urban Environmental Sciences, Tokyo Metropolitan University, Minami-Oshawa, Hachiohji, Tokyo, Japan

Kazuo Tanaka

Department of Polymer Chemistry, Graduate School of Engineering, Kyoto University, Katsura, Kyoto, Japan

Ben Zhong Tang

Hong Kong Branch of Chinese National Engineering Research Centre for Tissue Restoration and Reconstruction, and Institute for Advanced Study, The Hong Kong University of Science & Technology, Hong Kong, China

Center for Aggregation-Induced Emission, SCUT-HKUST Joint Research Laboratory, State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou, China

Shenzhen Institute of Aggregate Science and Technology, School of Science and Engineering, The Chinese University of Hong Kong, Shenzhen, Guangdong, China

Youhong Tang

Institute for NanoScale Science and Technology, College of Science and Engineering, Flinders University, Bedford Park, SA, Australia

Javad Tavakoli

Centre for Health Technologies, School of Biomedical Engineering, Faculty of Engineering and Information Technology, University of Technology Sydney, NSW, Australia.

Institute for NanoScale Science and Technology, College of Science and Engineering, Flinders University, Bedford Park, SA, Australia

Wenjing Tian

State Key Laboratory for Supramolecular Structure and Materials, Jilin University, Changchun, Jilin Province, China

Osamu Tsutsumi

Department of Applied Chemistry, College of Life Sciences, Ritsumeikan University, Kusatsu, Japan

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Aijun Tong

Department of Chemistry, Tsinghua University, Beijing, China

Eethamukkala Ubba

State Key Laboratory of OEMT, School of Chemistry, Sun Yat-sen University, Guangzhou, China

Jens Voskuhl

Institute of Organic Chemistry, University of Duisburg-Essen, Essen, Germany

Guan Wang

Beijing Advanced Innovation Center for Soft Matter Science and Engineering, Beijing University of Chemical Technology, Beijing, China

Jianguo Wang

Inner Mongolia Key Laboratory of Fine Organic Synthesis, College of Chemistry and Chemical Engineering, Inner Mongolia University, Hohhot, China

Kang Wang

Beijing Key Laboratory of Energy Conversion and Storage Materials, College of Chemistry, Beijing Normal University, Beijing, China

Qian Wang

Beijing Key Laboratory of Energy Conversion and Storage Materials, College of Chemistry, Beijing Normal University, Beijing, China

Qiang Wei

Ningbo Institute of Materials Technology & Engineering, Chinese Academy Sciences, Ningbo, China

Center of Materials Science and Optoelectronics Engineering, University of Chinese Academy of Sciences, Beijing, China

Alex Y. H. Wong

Ming Wai Lau Centre for Reparative Medicine, Karolinska Institutet, Hong Kong, China

Zhennan Wu

Department of Chemical and Biomolecular Engineering, National University of Singapore, Singapore, Singapore

Jianping Xie

Department of Chemical and Biomolecular Engineering, National University of Singapore, Singapore, Singapore

Sheng Xie

Ming Wai Lau Centre for Reparative Medicine, Karolinska Institutet, Hong Kong, China

Bin Xu

State Key Laboratory for Supramolecular Structure and Materials, Jilin University, Changchun, Jilin Province, China

Chenxu Yan

School of Chemistry and Molecular Engineering, East China University of Science & Technology, Shanghai, China

Xuzhou Yan

Frontiers Science Center for Transformative Molecules, Shanghai Jiao Tong University, Shanghai, China

Yun Yan

Beijing National Laboratory for Molecular Sciences (BNLMS), College of Chemistry and Molecular Engineering, Peking University, Beijing, China

Hai-Bo Yang

Shanghai Key Laboratory of Green Chemistry and Chemical Processes, School of Chemistry and Molecular Engineering, East China Normal University, Shanghai, China

Tianjia Yang

School of Chemistry and Chemical Engineering, Shanghai Jiao Tong University, Shanghai, China

Zhan Yang

State Key Laboratory of OEMT, School of Chemistry, Sun Yat-sen University, Guangzhou, China

Zhiyong Yang

State Key Laboratory of OEMT, School of Chemistry, Sun Yat-sen University, Guangzhou, China

Bicheng Yao

Department of Chemistry and Physics, La Trobe Institute for Molecular Science, La Trobe University, Melbourne, Victoria, Australia

Qiaofeng Yao

Department of Chemical and Biomolecular Engineering, National University of Singapore, Singapore, Singapore

Xiaoming Yu

Key Laboratory of Reproductive Genetics (Ministry of Education), Women's Hospital, Zhejiang University School of Medicine, Hangzhou, China

Ying Yu

Shenzhen Institute of Molecular Aggregate Science and Engineering, School of Science and Engineering, The Chinese University of Hong Kong, Shenzhen, Guangdong, China

Wang Zhang Yuan

School of Chemistry and Chemical Engineering, Shanghai Jiao Tong University, Shanghai, China

Shuang-Quan Zang

Henan Key Laboratory of Crystalline Molecular Functional Materials, Zhengzhou University, Zhengzhou, China

Chen Zhang

Department of Biomedical Engineering, Southern University of Science and Technology, Shenzhen, Guangdong, China

Deqing Zhang

Beijing National Laboratory for Molecular Sciences, CAS Key Laboratories of Organic Solids and Analytical Chemistry for Living Biosystems, Chinese Academy of Sciences, Beijing, China

Haoke Zhang

Department of Chemistry, The Hong Kong University of Science and Technology, Hong Kong, China

Jiasen Zhang

Ningbo Institute of Materials Technology & Engineering, Chinese Academy Sciences, Ningbo, China

Center of Materials Science and Optoelectronics Engineering, University of Chinese Academy of Sciences, Beijing, China

Key Laboratory of Advanced Textile Materials and Manufacturing Technology, Ministry of Education, Zhejiang Sci-Tech University, Hangzhou, China

Qichun Zhang

School of Materials Science and Engineering, Nanyang Technological University, Singapore

Yi Zhang

State Key Laboratory of OEMT, School of Chemistry, Sun Yat-sen University, Guangzhou, China

Juan Zhao

School of Materials Science & Engineering, Sun Yat-sen University, Guangzhou, China

Zheng Zhao

Shenzhen Institute of Molecular Aggregate Science and Engineering, School of Science and Engineering, The Chinese University of Hong Kong, Shenzhen, Guangdong, China

Zihao Zhao

School of Chemistry and Chemical Engineering, Shanghai Jiao Tong University, Shanghai, China

Zujin Zhao

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou, China

Xiaoyan Zheng

Beijing Key Laboratory of Photoelectronic/Electrophotonic Conversion Materials, Key Laboratory of Cluster Science of Ministry of Education, Beijing Institute of Technology, Beijing, China

Yan-Song Zheng

Key Laboratory of Material Chemistry for Energy Conversion and Storage, Ministry of Education, Huazhong University of Science and Technology, Wuhan, China

Yue Zheng

Department of Chemistry, Tsinghua University, Beijing, China

Ming-Qiang Zhu

Wuhan National Laboratory for Optoelectronics, School of Optics and Electronic Information, Huazhong University of Science and Technology, Wuhan, China

Tianwen Zhu

School of Chemistry and Chemical Engineering, Shanghai Jiao Tong University, Shanghai, China

Wei-Hong Zhu

School of Chemistry and Molecular Engineering, East China University of Science & Technology, Shanghai, China