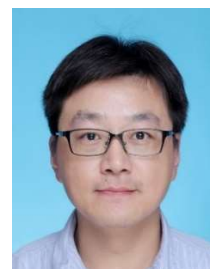


## Professor TANG, JIANXIN

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### Academic Qualification

Ph.D. in Physics and Materials Science, City University of Hong Kong  
B.S. in Physics, Zhejiang University

### Teaching Area

Semiconductor Device Physics and Technology  
Solid-State Physics  
Information Display and Lighting

### Research Area

OLEDs and OPVs  
Flexible Electronics  
Perovskite-based Optoelectronics  
Surface Science of Organic Semiconductors

### Working Experience

2006-2007, Senior Research Assistant, City University of Hong Kong, Hong Kong, China  
2007-2008, Chip Design Engineer on Power Electronics, Mitsubishi Electric Corporation, Fukuoka,  
2008-present, Professor, Institute of Functional Nano & Soft Materials (FUNSOM), Soochow  
University, Suzhou, China  
2021-present, Professor, Department of Materials Science and Engineering, Faculty of Innovation  
Engineering, Macau University of Science and Technology, Macao, China

### Academic Publication (selected)

Feng-Ming Xie, Hao-Ze Li, Kai Zhang, Yang Shen, Xin Zhao, Yan-Qing Li,\* **Jian-Xin Tang,\*** A Dislocated Twin-Locking Acceptor-Donor-Acceptor Configuration for Efficient Delayed Fluorescence with Multiple Through-Space Charge Transfer, **Angew. Chem. Int. Ed.** **2022**, 61, e202213823.

Hanwen Zhu, Guoqing Tong,\* Junchun Li, Enze Xu, Xuyong Tao, Yuanyuan Sheng, **Jianxin Tang,\*** Yang Jiang,\* Enriched-bromine surface state for stable sky-blue spectrum perovskite QLEDs with an EQE of 14.6%, **Advanced Materials** **2022**, 34, 2205092.

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Hao Ren, Yunlong Ma, Hui-Min Liu, Jing-De Chen,\* Ye-Fan Zhang, Hong-Yi Hou, Yan-Qing Li, Qingdong Zheng,\* **Jian-Xin Tang,\*** Absorption Spectrum-Compensating Configuration Reduces the Energy Loss of Nonfullerene Organic Solar Cells, **Advanced Functional Materials** **2022**, 32, 2109735.

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Xiaoyan Qian, Yang Shen, Liu-Jiang Zhang, Minglei Guo, Xiao-Yi Cai, Yu Lu, Huimin Liu, Ye-Fan Zhang, Yanqing Tang, Li Chen, Yingyi Tang, Jingkun Wang, Wei Zhou, Xingyu Gao, Hongying Mao, Yanqing Li,\* **Jian-Xin Tang,\*** Shuit-Tong Lee,\* Bio-Inspired Pangolin Design for Self-Healable Flexible Perovskite Light-Emitting Diodes, **ACS Nano** **2022**, 16 (11), 17973-17981.

Kai Zhang, Long-Xue Cao, Yingyi Tang, Yi Yu, Yang Shen, Bingfeng Wang, Wen-Jun Wang,\* Yan-Qing Li,\* **Jian-Xin Tang,\*** Blue Halide Perovskite Materials: Preparation, Progress, and Challenges, **Laser Photonics Reviews** **2022**, 2200689

Yi Yu, Yingyi Tang, Bingfeng Wang, Kai Zhang, **Jian-Xin Tang,\*** Yan-Qing Li,\* Red Perovskite Light-Emitting Diodes: Recent Advances and Perspectives, **Laser Photonics Reviews** **2022**, 2200608.

## Books

Ruipeng Xu, Yanqing Li, **Jianxin Tang**, “Chapter 13: Nanostructures for Plasmonic Effects in Solar Cells and LEDs (page 477-526)” in *Advanced Nanomaterials for Solar Cells and Light-Emitting Diodes*, (2019) edited by Feng Gao, Publisher: Elsevier.

Qinye Bao, Yanqing Li, **Jianxin Tang**, “Chapter 4: Application of Transition Metal Oxides in Tandem Organic Optoelectronics: Energetics and Device Physics” in *New Developments in Metal Oxides Research*, (2013) edited by Istvan Nagy and Adam Balogh, Publisher: NOVA Publishers.

**J. X. Tang**, C. S. Lee, and S. T. Lee, “Application of Transition Metal Oxides in Tandem Organic Optoelectronics: Energetics and Device Physics” in *Proceedings of the International Symposium on Super-Functionality Organic Devices: October 25-28, 2004, Chiba University, Chiba, Japan*, (2005) edited by Nobuo Ueno, Publisher: Institute of Pure and Applied Physics.

## Patents

20 Patents have been authorized by China National Intellectual Property Administration.

## Professional Certification and Awards

2018 First Class Prize of Science and Technology Award of Jiangsu Province, China  
2018 Young Science & Technology Award of Jiangsu Province, China  
2017 Second Class Prize of Natural Sciences Award of Ministry of Education, China  
2015 Excellent Young Scholars from National Natural Science Foundation of China

## **Professional Society Membership**

Editor, IEEE Electron Device Letters

Member, Institute of Electrical and Electronics Engineers (IEEE)

Member, American Chemistry Society

Member, Society of Information Display

Senior Member, Chinese Optical Society

Editorial Board, Chinese Journal of Liquid Crystals and Displays