



张伯宇 2023 届硕士毕业生，考取日本電気通信大学博士

导师: 梁桂杰 **研究方向:** 基于超快光谱探测技术的分子反应动力学

在学交流情况: 2021.9-2023.9) 中科院大连化学物理研究所-分子反应动力学国家重点实验室

简介: 擅长高质量量子点的合成; 在学期间发表高水平论文 6 篇, 其中第一或共同一作 SCI 论文 2 篇。

成果列表

1. **Boyu Zhang**[#], Xian Wu[#], **Guijie Liang**, et al. Self-trapped exciton emission in inorganic copper(I) metal halides. *Frontiers of Optoelectronics*. 2021, 14(4): 14, 459-472.
2. Lei Wang[#], **Boyu Zhang**[#], **Xin Zhang**^{*}, **Guijie Liang** et al. Spectral analysis on the acceptor concentration-dependent fluorescence resonance energy transfer process in CuInS₂@ZnS-SQ complexes. *Optics Express* 2022, 30: (13), 23695-23703.
3. Yuxuan Li, Yaoyao Han, Wenfei Liang, **Boyu Zhang**, Yulu Li, Yuan Liu, Yupeng Yang, Kaifeng Wu^{*}, Jingyi Zhu^{*}, Excitonic Bloch–Siegert shift in CsPbI₃ perovskite quantum dots. *Nature Communications* 2022, 13: (1), 5559.
4. Shan He[#], Jun Du^{*}, Wenfei Liang, **Boyu Zhang**, **Guijie Liang**, Kaifeng Wu^{*}, Thermally Activated Delayed Near-Infrared Photoluminescence from Functionalized Lead-Free Nanocrystals. *Angewandte Chemie International Edition* 2023, 135(6): e202217287.
5. Li, Xueyang, Jun Du, Guohui Zhao, **Boyu Zhang**, Clément Livache, Namyoung Ahn, Yuxi Jia et al. Two-Color Amplified Spontaneous Emission from Auger-Suppressed Quantum Dots in Liquids. *Advanced Materials* 36, no. 7 (2024): 2308979.
6. Gao, Kaimin, Yuxuan Li, Yupeng Yang, Yuan Liu, Meng Liu, Wenfei Liang, **Boyu Zhang**, Lifeng Wang, Jingyi Zhu, and Kaifeng Wu. Manipulating Coherent Exciton Dynamics in CsPbI₃ Perovskite Quantum Dots Using Magnetic Field. *Advanced Materials* 36, no. 6 (2024): 2309420.