

请输入关键字

首页 (../..) >> 中文 (../..) >> 人才库 (../..) >> 导师简介 (../..) >> 材料与物理研究所 (../..)

材料与物理研究所



姓名: 卢灿忠
性别: 男
职称: 研究员
职务:
学历:
电话:
传真:
电子邮件: czlu@fjirsm.ac.cn
所属部门:
通讯地址:

简 历:

卢灿忠, 研究员, 博士生导师。1986年毕业于厦门大学化学系, 获学士学位。1996年于英国埃塞克斯大学化学系获博士学位。随后于德国比勒费尔德大学从事博士后研究。1998年回国工作。长期从事光电转换功能材料和多酸化学领域研究工作。已在包括 Nat. Chem., J. Am. Chem. Soc., Angew. Chem. Int. Ed., Adv. Mater., Small 等国内外核心刊物上发表近三百篇学术论文, 申请39件发明专利, 其中国内授权15件, PCT国际专利授权5件。培养的博士、硕士生多人获得诸如中国科学院院长特别奖、中国科学院优秀博士论文奖等奖项。

研究方向:

1. 光电转换功能材料
2. 多酸化学

代表论著:

1. Ji-Hui Jia, Dong Liang, Rongmin Yu, Xu-Lin Chen, Lingyi Meng, Jian-Fei Chang, Jian-Zhen Liao, Mingxue Yang, Xiao-Ning Li, Can-Zhong Lu*, Coordination-induced thermally activated delayed fluorescence: from non-TADF donor? acceptor-type ligand to TADF-active Ag-based complexes. Chemistry of Materials, 2020, 32(1): 620-629.
2. Sa-Sa Wang, Wen-Bin Yang, Mingxue Yang, Xiao-Yuan Wu, Weiming Wu, Song-Xia Wang, Lang Lin, Can-Zhong Lu*, A bi-polyoxometalate-based host-guest metal-organic framework, Chemical Communications, 2020, 56(16): 2503-2506.

3. Xiao-Ning Li, Mingxue Yang, Xu-Lin Chen, Ji-Hui Jia, Wan-Wan Zhao, Xiao-Yuan Wu, Sa-Sa Wang, Lingyi Meng, Can-Zhong Lu*, Synergistic intra- and intermolecular noncovalent interactions for ultralong organic phosphorescence. *Small*, 2019, 15(45): 1903270.
4. Guan-Hua Zhang, Wen-Bin Yang, Wei-Ming Wu, Xiao-Yuan Wu, Lei Zhang, Xiao-Fei Kuang, Sa-Sa Wang, Can-Zhong Lu*, A sandwich-type polyoxometalate for efficient noble-metal-free hydrogen evolution upon visible light irradiation, *Journal of Catalysis*, 2019, 369: 54–59.
5. Weiming Wu, Xiao-Yuan Wu, Sa-Sa Wang, Can-Zhong Lu*, Catalytic hydrogen evolution and semihydrogenation of organic compounds using silicotungstic acid as an electron-coupled-proton buffer in water-organic solvent mixtures; *Journal of Catalysis*, 2019, 378: 376-381.
6. Xiu-Lin Chen, Ji-Hui Jia, Rongmin Yu, Jian-Zhen Liao, Ming-Xue Yang, Can-Zhong Lu*; Combining charge transfer pathways to achieve unique thermally activated delayed fluorescence emitters for high-performance solution-processed, non-doped blue OLEDs, *Angewandte Chemie International Edition*, 2017, 56(47): 15006-15009.
7. Jian-Zhen Liao, Chen Wu, Xiao-Yuan Wu, Shui-Quan Deng, Can-Zhong Lu*; Exceptional photosensitivity of a polyoxometalatebased charge-transfer hybrid material; *Chemical Communications*, 2016, 52(46): 7394-7397.
8. Lei Zhang, Jinjie Qian, Wenbin Yang, Xiao-Fei Kuang, Jun Zhang, Yixin Cui, Weiming Wu, Xiao-Yuan Wu, Can-Zhong Lu*, Wen-Zhe Chen*, A (3,8)-connected metal-organic framework with a unique binuclear $[\text{Ni}_2(\mu_2\text{-OH})(\text{COO})_2]$ node for high H_2 and CO_2 adsorption capacities, *Journal of Materials Chemistry A*, 2015, 3(30): 15399-15402.
9. Xu-Lin Chen, Rongmin Yu, Qi-Kai Zhang, Liu-Jiang Zhou, Xiao-Yuan Wu, Qing Zhang, Can-Zhong Lu*, Rational Design of Strongly Blue-Emitting Cuprous Complexes with Thermally Activated Delayed Fluorescence and Application in Solution-Processed OLEDs, *Chemistry Materials*, 2013, 25(19): 3910-3920.
10. Xiao-Fei Kuang, Xiao-Yuan Wu, Rongmin Yu, James P. Donahue, Jinshun Huang, Can-Zhong Lu*, Assembly of a metal-organic framework by sextuple intercatenation of discrete adamantane-like cages, *Nature Chemistry*, 2010, 2(6): 461-465.

获奖及荣誉:

2004年 中国科学院优秀研究生指导教师奖

2005年 福建省自然科学成果一等奖

2009年 福建省第二届杰出科技奖

2012年 中国科学院“朱李月华优秀教师”

2016年 第六届中国侨界贡献（创新成果）奖



中国科学院赣江创新研究院 ©2021 版权所有
京ICP备0500285号 京公网安备110402500047号
地址：江西省赣州市赣县区科学院路1号
编辑部邮箱：ireweb@ire.ac.cn