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2003.09-2007.07，辽宁大学生命科学系生物科学专业，本科；

2009.09-2012.06，云南师范大学物理与电子信息学院凝聚态物理专业，获硕士；

2014.09-2018.12，天津工业大学材料科学与工程学院材料学专业，博士；

2019.06-2023.05，深圳大学-韩山师范学院（广东省博士后创新实践基地），博士后。

学术成果：

【获奖】

无

【代表性学术著作、论文】

1. **Boxu Xu**, Chao Song, Jie Song, Rui Huang, Shaomin Lin, Zhenxu Lin, Yi Zhang, Dejian Hou, Jun Song; Effect of Y:Zn ratio on the microstructure and emission of Er^{3+}/Yb^{3+} codoped Y_2O_3-ZnO ceramic phosphors; ***Journal of Rare Earths***, Available online 20 January 2023, https://doi.org/10.1016/j.jre.2023.01.014
2. **Boxu Xu**, Chao Song, Rui Huang, Jie Song, Yi Zhang, Zhenxu Lin, Yanqing Guo, Shaomin Lin, Jun Song, Juncheng Liu; The effect of ion radius on luminescence for alkali ions doping in Y_2O_3: Yb^{3+}/Ho^{3+} thin film; ***Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy***, (2023), 286, 121934.

3. **Boxu Xu**, Chao Song, Jie Song, Rui Huang, Zhenxu Lin, Yi Zhang, Shaomin Lin, Jun Song; White emission of stable $Yb^{3+}/Er^{3+}/Tm^{3+}$-tridoped Y_2O_3–ZnO ceramic phosphor tuned by altering Tm^{3+} concentration and excitation laser pump power; ***Journal of Luminescence***, (2022), 252, 119416.
4. **Boxu Xu**, Chao Song, Jie Song, Rui Huang, Zhenxu Lin, Yi Zhang, Shaomin Lin, Yanqing Guo, Guangxu Chen, Jun Song; Tunable emission and color temperature of $Yb^{3+}/Er^{3+}/Tm^{3+}$-tridoped Y_2O_3-ZnO ceramic nano-phosphors using Er^{3+} concentration and excitation pump power, ***Nanomaterials***, (2022), 12(12), 2107.
5. **Boxu Xu**, Chao Song, Rui Huang, Jie Song, Zhenxu Lin, Jun Song, Juncheng Liu; Luminescence properties related to energy transfer process and cross relaxation process of Y_2O_3: Yb^{3+}/Er^{3+} thin films doped with K^+ ion, ***Optical Materials***, (2021), 118, 111290.
6. **Boxu Xu**, Chao Song, Jun Song, Rui Huang, Juncheng Liu, Zhenxu Lin, Yi Zhang, Jie Song, Hongliang Li; Effect of Rb^+ doping on tunable luminescence in Yb^{3+}/Er^{3+}–Y_2O_3 film, ***Coatings***, (2020), 10(11), 1137.
7. **Boxu Xu**, Juncheng Liu, Kaishun Zou, The photo-switch effect and the energy-level population change of Li^+ doping in Yb^{3+}/Er^{3+} co-doped Y_2O_3 upconversion films, ***Applied Physics A Materials Science & Processing***, (2019), 125, 100. (SCI 四区 IF: 2.983）
8. **Boxu Xu**, Guangzong Dong, Juncheng Liu, Kaishun Zou, Danping Wang; The luminescence regulation effect of Na^+ on the Yb^{3+}/Er^{3+} co-doped Y_2O_3 up-conversion films, ***Journal of Luminescence***, (2018), 203, 16-25.（SCI 二区 IF: 4.171）
9. **Boxu Xu**, Pei Wang, Xiaoqi Meng, Kaishun Zou, Juncheng Liu; Effects of the Ho^{3+}/Yb^{3+} concentration ratio on the structure and photoluminescence of ZnO films, ***Journal of Luminescence***, (2016), 175, 78-81.（SCI 二区 IF: 4.171）

【专利】

无

【主要科研项目】

Y_2O_3基金属复合基质稀土发光材料的量子聚集增强调控及稳定性研究；广东省教育厅项目，(2020KTXCX077) ，主持。