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教学职位：教授

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教育背景

吉林大学理学博士（2003）
辽宁师范大学理学硕士（2000）
辽宁师范大学理学学士（1993）

研究领域

原子分子与物质相互作用
固体发光与光电技术

代表性成果

论文类：

- (1) Effects of linkage between donors on photoinduced charge transfer in one-photon and two-photon absorption of Donor-p-Donor-p-Acceptor conjugates, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 2022 275: 121179
- (2) Photoinduced charge transfer in one-photon and two-photon absorption of C2N: Effects of edge-modified with oxygenated groups, *Chemical Physics Letters*, 2021, 778: 138810
- (3) Permeability of 3D Templates Plays a Considerable Role in Improving the Activity of 3D Composite Surface-Enhanced Raman Scattering Substrates, *The Journal of Physical Chemistry C*, 2021, 125: 8323
- (4) LSPR-excited obvious hydrogen yield enhancement for TiO₂:Er³⁺, Yb³⁺@W₁₈O₄₉ quasi-core/shell heterostructure, *Journal of Materials Science*, 2020, 55: 2958
- (5) Obvious effect of molybdenum supporting on morphology and upconversion luminescence of Er-Yb:TiO₂ and improvement of H₂ generation for W₁₈O₄₉, *Journal of Alloys Compounds*, 2019, 785: 610
- (6) LSPR-driven upconversion enhancement and photocatalytic H₂ evolution for Er-Yb:TiO₂/MoO_{3-x} nano-semiconductor

heterostructure, *Ceramics International*, 2019, 45: 16625

- (7) Molecular opacities of the transitions for the lowest four singlet states of BeH^+ , *Journal of Quantitative Spectroscopy & Radiative transfer*, 2018, 206: 172
- (8) Switchable optical nonlinear properties of W18O49 nanowires by Ag nanoparticles supported, *Science China-Physics Mechanics & Astronomy*, 2017, 60: 116831
- (9) Thermal-induced local phase transfer on $\text{Ln}(3+)$ -doped NaYF_4 nanoparticles in electrospun ZnO nanofibers: Enhanced upconversion luminescence for temperature sensing, *Ceramics International*, 2016, 42: 12525

代表性项目

- (1) 国家自然科学基金项目，11675031，液相微波等离子体高效制氢反应机理的研究，2017/01-2020/12，结题，参与。
- (2) 国家自然科学基金，11275034，霍尔推力器等离子体束流电磁控制机理研究，2013/01-2016/12，已结题，参与。

荣誉奖励

- (1) 2016-2017 年度大连海事大学优秀教学一等奖
- (2) 2011-2012 年度大连海事大学优秀教学二等奖
- (3) 2008-2009 年度大连海事大学优秀教学二等奖
- (4) 2008-2009 年度“泛洋”优秀教师奖

社会兼职

- (1)
- (2)

其他