



徐加廷

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基本信息:

徐加廷, 男, 博士, 1990年3月生, 教授, 博士生导师。2014年6月毕业于东北林业大学理学院化学化工系应用化学专业, 获理学学士学位; 2015年9月至2019年6月于哈尔滨工程大学材料科学与化学工程学院材料科学与工程专业硕博连读, 获工学博士学位; 曾担任澳门大学健康科学学院研究助理; 2019年9月, 人才引进到东北林业大学化学化工与资源利用学院化学学科从事教学科研工作。

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研究方向: 主要从事稀土发光纳米功能材料和纳米生物医药领域的研究。目前在ACS Nano, Chemical Science, Advanced Functional Material, Biomaterials, Chemistry of Materials 和 Small 等国际著名期刊发表SCI论文40余篇, Google总引用次数达900余次。以第一/共同第一作者发表SCI论文16篇, ESI高被引论文1篇, 所做的研究工作曾被RSC Publishing和Materials Views等权威网络媒体报道。博士毕业论文获2019年度中国化工学会“化工与材料京博博士论文奖”提名奖。博士期间曾获得哈尔滨工程大学博士研究生科研创新基金项目 (HEUGIP201713) 资助, 进入东北林业大学工作获杰出青年学者科研启动资金资助。

代表性学术论文:

1. **Jiating Xu**, Piaoping Yang*, Mingdi Sun, Huiting Bi, Bin Liu, Dan Yang, Shili Gai, Fei He, and Jun Lin*, Highly Emissive Dye-Sensitized Upconversion Nanostructure for Dual-Photosensitizer Photodynamic Therapy and Bioimaging. *ACS Nano*, 2017, 11, 4133-4144.

2. **Jiating Xu**, Wei Han, Ziyong Cheng, Piaoping Yang*, Huiting Bi, Dan Yang, Na Niu, Fei He, Shili Gai and Jun Lin*, Bioresponsive and near infrared photon co-enhanced cancer theranostic based on upconversion nanocapsules. *Chemical Science*, 2018, 9, 3233-3247.

3. **Jiating Xu**, Wei Han, Piaoping Yang*, Tao Jia, Shuming Dong, Huiting Bi, Arif Gulzar, Dan Yang, Shili Gai, Chunxia Li, Fei He*, and Jun Lin*, Tumor Microenvironment-Responsive Mesoporous MnO₂-Coated Upconversion Nanoplatfor for Self-Enhanced Tumor Theranostic. *Advanced Functional Materials*, 2018, 28, 1803804.

4. **Jiating Xu**, Arif Gulzar, Piaoping Yang*, Huiting Bi, Dan Yang, Shili Gai*, Fei He, Jun Lin*, Bengang Xing and Dayong Jin*, Recent advances in near-infrared emitting lanthanide-doped nanoconstructs: mechanism, design, and application for bioimaging. *Coordination Chemistry Reviews*, 2019, 381, 104-134.

5. **Jiating Xu**, Arif Gulzar, Yuhui Liu, Huiting Bi, Shili Gai*, Bin Liu, Dan Yang, Fei He*, and Piaoping Yang*, Integration of IR-808 Sensitized Upconversion Nanostructure and MoS₂ Nanosheet for 808 nm NIR Light Triggered Phototherapy and Bioimaging. **Small**, 2017, 13, 1701841.
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7. **Jiating Xu**, Fei He*, Ziyong Cheng, RuichanLv, Yunlu Dai, Arif Gulzar, Bin Liu, Huiting Bi, Dan Yang, Shili Gai, Piaoping Yang*, and Jun Lin*, Yolk-Structured Upconversion Nanoparticles with Biodegradable Silica Shell for FRET Sensing of Drug Release and Imaging-Guided Chemotherapy. **Chemistry of Materials**, 2017, 29, 7615-7628.
8. **Jiating Xu**, Wei Han, Tao Jia, Shuming Dong, Huiting Bi, Dan Yang, Fei He, Yunlu Dai, Shili Gai, Piaoping Yang*, Bioresponsive upconversion nanostructure for combinatorial bioimaging and chemo-photothermal synergistic therapy. **Chemical Engineering Journal**, 2018, 342, 446-457.
9. **Jiating Xu**, Arif Gulzar, Dan Yang, Shili Gai*, Fei He, and Piaoping Yang*, Tumor self-responsive upconversion nanomedicines for theranostic applications. **Nanoscale**, 2019, 11, 17535-17556.
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15. Tao Jia, **Jiating Xu**, Shuming Dong, Fei He*, Chongna Zhong, Guixin Yang, Huiting Bi, Mengshu Xu, Yingkui Hu, Dan Yang, Piaoping Yang*, and Jun Lin*, Mesoporous cerium oxide-coated upconversion nanoparticles for tumor-responsive chemo-photodynamic therapy and bioimaging. **Chemical Science**, 2019, 10, 8618-8633. (共同一作)
16. Arif Gulzar*, **Jiating Xu**, Dan Yang, Liangge Xu, Fei He, Shili Gai and Piaoping Yang*, Nano-graphene oxide-UCNP-Ce6 covalently constructed nanocomposites for NIR-mediated bioimaging and PTT/PDT combinatorial therapy. **Dalton Transactions**, 2018, 47, 3931-3939. (共同一作)
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24. Qi Cai, **Jiating Xu**, Dan Yang, Yunlu Dai, Guixin Yang, Chongna Zhong, Shili Gai*, Fei He, and Piaoping Yang*, Polypyrrole coated UCNPs@mSiO₂@ZnO nanocomposite for combined photodynamic and photothermal therapy, **Journal of Materials Chemistry B**, 2018, 6, 8148-8162.
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授权发明专利:

- 1.杨飘萍, **徐加廷**, 吕锐婵, 杨丹, 贺飞, 盖世丽。红光增强的核壳上转换发光纳米载体及制备方法, 中国发明专利授权, 2017年7月。发明授权专利号: ZL201510689587.6。
- 2.杨飘萍, **徐加廷**, 吕锐婵, 杨丹, 贺飞, 盖世丽。一种红色上转换发光纳米载体及制备方法, 中国发明专利授权, 2017年10月。发明授权专利号: ZL201610003579.6。
- 3.杨飘萍, 吕锐婵, **徐加廷**, 杨丹, 贺飞, 盖世丽。介孔核壳荧光粉及液相制备方法, 中国发明专利授权, 2017年8月。发明授权专利号: ZL201510623105.7。
- 4.杨飘萍, 杨丹, 盖世丽, 杨桂欣, 毕惠婷, **徐加廷**, 冯莉莉。核壳结构的Gd-Si-Ce₆多功能介孔纳米复合材料的制备方法, 中国发明专利授权, 2017年9月。发明授权专利号: ZL201510689590.8。
- 5.杨飘萍, 杨丹, 盖世丽, 杨桂欣, 毕惠婷, **徐加廷**, 冯莉莉。金属有机框架介孔结构的多功能纳米材料及制备方法, 中国发明专利授权, 2017年11月。发明授权专利号: ZL201510689586.1。

学术会议:

- 1.第九届全国稀土发光材料学术研讨会暨国际论坛 (The 9th National Rare Earth Luminescent Materials Symposium & International Forum) (中国, 广州) (2017, 参会)
- 2.2018第二届纳米科学与技术国际会议 (2018 2nd International Conference on Nano Science and Technology) (日本, 札幌) (2018, 参会并作报告)

