

合肥学院研究生校内导师简介

姓名	张舰	性别	男	
学历	博研	学位	博士	
院系	皖西学院	专业技术职务 及专家称谓	副教授	
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主要研究领域 及方向	(1) 环境污染物的检测及处理； (2) 催化材料的制备及性能研究			
个人简历	<p>张舰，1979年10月生，安徽六安人，东华大学材料学博士毕业，皖西学院副教授。主要从事环境污染物的检测处理、催化材料和新型环保材料研究工作，特别是在纳米合金、光催化用半导体材料的设计、合成与催化性能等方面开展了研究工作。近三年来，在 JOURNAL OF ALLOYS AND COMPOUNDS、JOURNAL OF NANOPARTICLE RESEARCH、CHEMICAL PHYSICS LETTERS 等杂志发表 SCI 期刊上发表研究论文 9 篇，申请相关发明专利多项。</p>			
近五年主要科研项目	<p>(1) 安徽省教育厅项目，省高校优秀青年人才支持计划（gxyq2018062），主持</p> <p>(2) 皖西学院自然科学重点项目，半导体光催化材料表面缺陷的调控及其对光催化性能的影响（WXZR201713），主持</p> <p>(3) 皖西学院高层次人才项目，半导体光催化材料的结构调控及性能研究（WGKQ201702022），主持</p>			

<p>主要成果 (论文、著作、专利等)</p>	<p>论文:</p> <p>(9) Jian Zhang, Chenchen Qin, Luying Liu, Hanfeng Dong, Yujuan Wang, Lei Bao, Wei Gan, Xucheng Fu, Hequn Hao. Synthesis of an Ag@AgCl catalyst with morphous copper as the support and its catalytic performance in the reduction of 4-nitrophenol, Journal of Chemical Research, 2020, doi/10.1177/1747519820942018</p> <p>(8) Jian Zhang, Ke Zhu, Yongkun Zhu, Chenchen Qin, Luying Liu, Dong Liu, Yujuan Wang, Wei Gan, Xucheng Fu, Hequn Hao. Enhanced photocatalytic degradation of tetracycline hydrochloride by Aldoped BiOCl microspheres under simulated sunlight irradiation, Chemical Physics Letters, 2020, 750: 137483</p> <p>(7) Jian Zhang, Ke Zhu, Hequn Hao, Guangming Huang, Wei Gan, Keyue Wu, Zhengzhu Zhang, Xucheng Fu*, A novel chitosan modified Au@Ag core-shell nanoparticles sensor for naked-eye detection of Hg²⁺, Materials Research Express, 2019, 125045</p> <p>(6) Wei Gan, Xin Shang, Xuan-Hua Li, Jian Zhang*, Xucheng Fu*, Achieving high adsorption capacity and ultrafast removal of methylene blue and Pb²⁺ by graphene-like TiO₂@C, Colloids and Surfaces A, 2019, 218-225</p> <p>(5) Jian Zhang, Xucheng Fu, Hequn Hao, Wei Gan*, Facile synthesis 3D flower-like Ag@WO₃ nanostructures and applications in solar-light photocatalysis, Journal of Alloys and Compounds 2018, 757:134-141</p> <p>(4) Jian Zhang, Xuanhua Li, Meiling Peng, Yuanyuan Tang, Anqi Ke, Wei Gan, Xucheng Fu, Hequn Hao* Ag-doped TiO₂ hollow microspheres with visible light response by template-free route for removal of tetracycline hydrochloride from aqueous solution Hequn Hao, Materials Research Express, 2018, 05:065008</p> <p>(3) Jian Zhang, Junbin Wang, Jinping Fu, Xucheng Fu, Wei Gan, Hequn Hao*, Rapid synthesis of N, S co-doped carbon dots and their application for Fe³⁺ ion detection, J. Nanopart. Res., 2018, 20:41</p> <p>(2) Wei Gan, Xucheng Fu, Jian Zhang*. Ag@AgCl decorated graphene-like TiO₂ nanosheets with nearly 100% exposed (0 0 1) facets for efficient solar light photocatalysis, Materials Science & Engineering B, 2018, 229:44-52.</p> <p>(1) Jian Zhang, Wei Gan, Xucheng Fu, Hequn Hao*, A microwave assisted one-pot route synthesis of bimetallic PtPd alloy cubic nanocomposites and their catalytic reduction for 4-nitrophenol, Mater. Res. Express, 2017, 4:105022</p>
<p>获奖情况</p>	<p>皖西学院教学质量考核优秀 (2016, 2018, 2019)</p>