钟俊波

[化学与环境工程学院] [手机版本] [扫描分享] 发布时间：2018年5月11日 查看:1223 来源:

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简　介

美国化学会和中国化学会会员。2007年四川大学物理化学理学博士毕业。2013年以国家公派访问学者身份赴美国凯斯西储大学化学系开展一年光催化研究。中国科学院化学研究所赵进才院士课题组高级访问学者，开展光催化研究。《Nanoscale》、《Environ Sci Technol》、《Journal of Hazardous Material》、《Desalination 》、《Environmental Progress》、《Applied Surface Science》、《Chemical Engineering & Technology》、《Chemical Engineering Journal》、《Journal of Chemical Technology and Biotechnolog

y》、《Environmental Engineering Science》、《Colloids and Surfaces A: Physicochemical and Engineering Aspects 》和《Catalysis Today》等20 余个国际杂志邀请评审人。主要从事《物理化学》、《物理化学实验》和《催化基础原理》等课程教学。

主 要 荣 誉

2011年 获自贡市第四届自然科学优秀学术论文奖三等奖

2014年 获化学与制药工程学院教师课堂竞赛甲组一等奖

2014年 获四川理工学院教师课堂竞赛甲组二等奖

2014年 获自贡市科学技术进步奖三等奖

2014年 获四川理工学院“教学十佳”

学 术 研 究

围绕光催化降解有毒难降解环境污染物，开展了系统研究，初步形成了以下特色：(1) 利用储氧材料、发光材料为载体制备了光催化剂，研究了VOCs光催化降解规律，揭示了光催化降解VOCs机理; (2) 构筑了高效光催化降解体系，有效实现了对染料、全氟辛酸、三氯乙酸、苯酚等有毒有机物的降解，为光催化剂在有机污染物的降解、消除等奠定了应用基础; (3) 制备了TiO_2、g-C_3N_4、Bi_2O_3、ZnO、Fe_2O_3等光催化新材料，研究了光催化反应中光生电荷行为，揭示了光催化降解有机物构效关系，为理解表面光催化反应本质提供了有益的参考; (4) 研究了环境水体中某些阴离子(IO_4^-、BrO_3^-、IO_3^-、NO_3^-等)的光化学反应和过程规律，为实现水体自净提供了理论指导和应用前景。

以上研究成果发表在J. Hazard. Mater; J. Mol. Catal. A; Mater. Res. Bull.; Appl. Catal. A; New J. Chem.; Molecules; Mater. Lett.; Appl. Surf. Sci.; J. Alloy. Compd.; J. Sol-gel. Sci. Technol.; J. Adv. Oxid. Technol.; Mat. Sci. Semicon. Proces和Appl. Phys. A等国内外学术刊物上，目前发表与光催化相关论文70余篇。市级鉴定成果1项，鉴定结论为“国际先进”。在审专利2件。

承 担 项 目

1. 四川省科技厅应用基础项目（主持，10万，结题）
2. 四川省教育厅重点项目（主持，结题）
3. 自贡市科技局项目2项（主持，在研1项、结题1项）

4. 绿色催化四川省高校重点实验室开放基金3项（主持，在研1项、结题2项）

代表性学术论文

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人 生 信 条

志在高峰的人不在半坡留恋；

要有坚定不移的人生目标，并为之做坚持不懈努力！

（微信扫描分享）

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