师资队伍

- 院士
- 教师名录
- 教学团队
- 科研团队
- 行政机关
- 光荣退休

教师登陆
用户名
密 码
登陆 重置

教师信息 | FUZHOU UNIVERSITY

姓　名：	李朝晖
性　别：	女
职　称：	教授（博导）
学　历：	博士研究生
职　务：	
电　话：	0591—83779260
专　业：	无机化学、物理化学、环境化学
电子邮件：	zhaohuili@fzu.edu.cn
研究方向：	纳米催化/光催化材料

教育工作经历

教育经历：
1986,9--1990,6 复旦大学应用化学专业 本科
1993,9--1996,6 中国科学院福建物质结构研究所 硕士
1997,10--2000,9 新加坡国立大学化学系 博士

工作经历：
1990,7--1993,8 福建医科大学卫生系 助教
1996,8--1997,9 中国科学院福建物质结构研究所
2000,12--2002,11 美国圣母大学化学生化系（University of Notre Dame）博士后
2002,12--至今 福州大学化学化工学院光催化研究所

教学简介

硕士生课程《固体无机化学及实验》
本科生实验《无机化合物性质及鉴定》

科研简介

福州大学博士生导师，福建省“闽江学者”特聘教授，教育部“光催化基础与应用”创新团队带头人。目前主要从事新型纳米催化及光催化材料的开发研究。2005年得到教育部新世纪优秀人才支持计划的资助。作为项目负责人已顺利完成国家自然科学基金，“973计划前期专项”、福建省自然科学基金、福建省青年科技创新人才基金、福建省科技专项基金和教育部留学回国人员启动基金等多项基金。目前主持国家自然科学基金和福建省杰出青年基金。作为主要技术骨干还参加了国家自然科学基金重点项目、“973计划”、国家重大基础研究前期研究专项和福建省基础研究重大项目等多个项目。已在Angew. Chem. Int. Ed., J. Am. Chem. Soc.,Chem. Commun.,Chem-Eur. J., Appl. Catal. B: Environ.,J. Phys. Chem. C, Cryst. Growth. Des.,Inorg. Chem. 等权威刊物上发表论文八十余篇。

社会兼职

《材料研究学报》编委

科研项目

1、国家自然科学基金“钛基金属框架材料（MOF）光催化还原CO2的研究”

2、国家自然科学基金“宽带隙p区金属氧化物/氢氧化物对苯系污染物的光催化降解及其机理研究”。

3、国家自然科学基金“后主族金属氧化物固溶体及其可见光光催化降解有机污染物的作用本质研究”。

4、福建省杰出青年基金“新型固溶体型可见光催化材料的设计合成及机理研究”。

代表性论文

2013年

1.Rusheng Yuan,* Zhaohui Li,* et al. “Chlorine- Radical-Mediated Photocatalytic Activation of C H Bonds with Visible Light”, Angew. Chem. Int. Ed., 2013, 52, DOI: 10.1002/anie.201207904.

2.Zhaohui Li* et al. “Facile one-pot preparation of a-SnWO4/reduced graphene oxide (RGO) nanocomposite with improved visibl light photocatalytic activity and anode performance for Li-ion batteries”, RSC Adv., 2013, 3, 1235 – 1242.

3.Zhaohui Li,* Xianzhi Fu* et. al “Reduction degree of reduced graphene oxide (RGO) dependence of photocatalytic hydrogen evolution performance over RGO/ZnIn2S4 nanocomposites, Catal. Sci. Technol., 2013, DOI: 10.1039/c2cy20710a.

2012年

1.Zhaohui Li* et al. “An Amine-Functionalized Titanium MOF Photocatalyst with Visible-Light-Induced Activity for CO2 Reduction”, Angew. Chem. Int. Ed., 2012,51,3364.

2.Zhaohui Li* et al. "Cu(II)- and Co(II)-Containing Metal-Organic Frameworks (MOFs) as Catalysts for Cyclohexene Oxidation with Oxygen under Solvent-Free Condition”, RSC Adv., 2012,2,3309.

3.Zhaohui Li* et al. “A Templated Method to Bi2WO6 Hollow Microspheres and Their Conversion to Double-Shell Bi2O3/Bi2WO6 Hollow Microspheres with Improved Photocatalytic Performance”, Inorg. Chem. 2012, 51, 6245?6250.

4.Zhaohui Li* et al. “Nanocrystalline pyrochlore AgSbO3: Hydrothermal synthesis, photocatalytic activity and self-stable mechanism study”, Appl. Catal. B: Environ., 2012, 123-124, 78 – 83.

5. Yongfan Zhang,* Zhaohui Li,* et al. “Nanocrystalline CaSb2O5(OH)2 and Ca2Sb2O7: Controlled syntheses, electronic structures and photocatalytic activity”, Appl. Catal. B: Environ., 2012, 127, 205-211.

6. Zhaohui Li* et al. “Exploring the Different Photocatalytic Performance for Dye Degradations over Hexagonal ZnIn2S4 Microspheres and Cubic ZnIn2S4 Nanoparticles”, ACS Appl. Mater. Interfaces 2012, 4, 2273?2279.

7.Zhaohui Li* et al. “Nanocrystalline GaSbO4 with high surface area prepared via a facile hydrothermal method and its photocatalytic activity study”, J. Alloys Comp., 2012, 522, 144 – 148.

8. Haiqing Liu,* Zhaohui Li* et al. “Fabrication and characterization of electrospun CdS-OH/polyacrylonitrile hybrid nanofibers”, Composites: Part A, 2012, 43, 1869 – 1876.

9. Jian-Ke Sun, Peng Wang, Qing-Xia Yao, Yong-Juan Chen, Zhaohui Li, Yong-Fan Zhang, Li-Ming Wu, Jie Zhang,* “Solvent- and anion-controlled photochromism of viologen-based metal – organic hybrid materials”, J. Mater. Chem., 2012, 22, 12212-12219.

2011年

1. Rusheng Yuan,* Zhaohui Li* et al. “A General Templated Method to Homogeneous and Composition-Tunable Hybrid TiO2 Nanocomposite Fibers”, Chem. Commun., 2011, 47, 2538.

2.Yongfan Zhang,*Zhaohui Li* et al. “Effect of Fluorination on Photocatalytic Degradation of Rhodamine B over In(OH)ySz: Promotion or Suppression?”, J. Phys. Chem. C, 2011, 115, 460.

3.Zhaohui Li* et al. “Controlled Syntheses of Cubic and Hexagonal ZnIn2S4 Nanostructures with Different Visible-Light Photocatalytic Performance”, Dalton Trans., 2011, 40, 2607.

4.Zhaohui Li* et al. “A facile hydrothermal method to BiSbO4 nanoplates with superior photocatalytic performance for benzene and 4-chlorophenol degradations”, Dalton Trans., 2011, 40, 5774.

5.Zhaohui Li,* Ying Zheng* et al. “Size-dependent oriented attachment in the growth of pure and defect-free hexagonal boron nitride nanocrystals”, Nanotechnology, 2011, 22, 215603.

6.Zhaohui Li* et al. “Nanocrystalline ZnSb2O6: Hydrothermal synthesis, electronic structure and photocatalytic activity”, J. Mol. Catal. A: Chem., 2011, 349, 80.

7.Zhaohui Li,* et al. “A Polymeric Complex Method to Nanocrystalline BiCu2VO6 with Visible Light Photocatalytic Activity”, Mater. Lett., 2011, 65, 460.

8.Ying Zheng,* Zhaohui Li et al. “Synthesis of highly dispersed ceria – zirconia supported on ordered mesoporous alumina”, Chem. Commun., 2011, 47, 5247.

9.Jianke Sun, Lixuan Cai, Yongjuan Chen, Zhaohui Li, Jie Zhang,* Zhaohui Li, J. Zhang*, “Reversible luminescence switch in a

photochromic metal－organic framework”, Chem. Commun., 2011, 47, 6870.

2010年

1. Zhaohui Li*, Ling Wu* et al.“Sr0.4H1.2Nb2O6 nanopolyhedra: An ef?cient photocatalyst”, Nanoscale, 2010, 2, 2262.

2009年

1.Zhaohui Li*, Xianzhi Fu* et al. “Visible-Light Induced Photocatalytic Activity of Delafossite AgMO2 (M=Al, Ga, In) Prepared via a Hydrothermal Method”, Appl. Catal. B: Environ., 2009, 89, 551.

2.Zhaohui Li*, Xianzhi Fu* et al.“Nanoplates of SnWO4 and SnW3O9 prepared via a facile hydrothermal method and their gas-sensing property”, Sensors and Actuators B 2009, 140, 623.

3. Ying Zheng,* Zhaohui Li* et al. “Preparations of C/SiC composites and their use as supports for Ru catalyst in ammonia synthesis”, J. Mol. Catal. A: Chem. 2009, 301, 79.

2008年

1.Zhaohui Li*, Xianzhi Fu* et al.“Ternary Wide Band Gap p-Block Metal Semiconductor ZnGa2O4 for Photocatalytic Benzene Degradation”, J. Phys. Chem. C, 2008,.112, 20393.

2.Zhaohui Li*, Xianzhi Fu* et al. “Nanocrystalline Ternary Wide Band Gap p-Block Metal Semiconductor Sr2Sb2O7: Hydrothermal Syntheses and Photocatalytic Benzene Degradation”, J. Phys. Chem. C, 2008, 112, 5850.

3.Zhaohui Li*, Xianzhi Fu* et al. “Effect of M2+ (M = Zn and Cu) Dopants on the Electronic Structure and Photocatalytic Activity of In(OH)ySz Solid Solution”, J. Phys. Chem. C, 2008, 112, 16046.

4.Zhaohui Li*, Xianzhi Fu* et al. “3D Hierarchical Architectures of Sr2Sb2O7: Hydrothermal Syntheses, Formation Mechanisms, and Application in Aqueous-Phase Photocatalysis”, Cryst. Growth & Des., 2008, 8, 4469.

5.Zhaohui Li*, Xianzhi Fu* et al.“Hollow Rods of Nanocrystalline NiGa2O4: Hydrothermal Synthesis, Formation Mechanism, and Application in Photocatalysis”, Cryst. Growth & Des., 2008, 8, 4511.

6. Zhaohui Li*, Xianzhi Fu* et al. “Characterizations and properties of Eu3+-doped ZnWO4 preparedvia a facile self-propagating combustion method”, Mater. Res. Bull. 2008, 43, 1694.

7.Ying Zheng,* Zhaohui Li* et al. "Synthesis of novel acetabuliform boron nitride nanoparticles with high surface area", Scripta Materialia, 2008, 59, 1151.

2007年

1. Zhaohui Li, Xianzhi Fu* et al.“Wide Band Gap p-Block Metal Oxyhydroxide InOOH: a New Durable Photocatalyst for Benzene Degradation” J. Phys. Chem. C, 2007, 111, 18348.

2.Z. Li, T. Dong, Y. Zhang, L. Wu, J. Li, X. Wang, X. Fu* “Studies on In(OH)ySz Solid Solutions: Syntheses, Characterizations, Electronic Structure and Visible-Light-Driven Photocatalytic Activities”, J. Phys. Chem. C 2007, 111, 4727.

2007年之前部分文章

1. Z. Li, W. Zheng, H. Liu, K. F. Mok and T. S. A. Hor,* “Interpolymetallic Assembly of d8-d10 sulfide aggregates from [Pt2(PPh3)4(μ-S)2] and Group 12 Metals”, Inorg. Chem., 2003, 42, 8481-8488.

2. Z. Li, A. Beatty and T. P. Fehlner,* “Molecular QCA Cells. 1. Structure and Functionalization of an Unsymmetrical Dinuclear Mixed-Valence Complex for Surface Binding”, Inorg. Chem., 2003, 42, 5707-5714.

3. Z. Li and T. P. Fehlner, “Molecular QCA Cells. 2. Electrochemical Characterization of an Unsymmetrical Dinuclear Mixed-Valence Complex Bound to a Au Surface by an Organic Linker” Inorg. Chem., 2003, 42, 5715-5721.