

Journal of Environment Science、Applied Organometallic Chemistry、Korean Journal of Chemical Engineering 等审稿人

奖励与荣誉

1. 2017/12, 获湖北省科技进步奖一等奖(排4)
2. 2017/3, 获湖北省第五批博士服务团“工作先进个人”
3. 2019/10, 主编教材获中国冶金教育学会冶金类优秀教材三等奖
4. 2020/9, 获武汉大学教书育人先进职工

主持或参加科研项目

1. 湖北自然科学基金创新群体项目,聚合物陶瓷界面态密度调控及高温服役性能(2020CFA038),2020.9-2023.12,子项负责人
2. 煤基生态精细化工河南省工程实验室,新型煤基炭水处理剂的制备及其再生处理焦化废水的研究(C202006),2020.10-2022.3,主持
3. 湖北自然科学基金,纳米 Fe_3O_4 /膨润土仿酶体系的构筑及其处理难降解有机物机理研究(2014CFB810),2014.1-2015.12,主持
4. 国家自然科学基金面上项目,煤气流与表面活性剂交互解析脱废氨水中氨氮的机理研究(20976141),2010.1~2010.12,参加科技部重点专项,干燥煤绿色化高效炼焦技术及应用示范—焦炉烟气外循环源头控制的分散燃烧方法技术研究(2017YFB0304303),2017.9-2021.9,参加
5. 湖北教育厅,煤基炭耦合 Fe_3O_4 仿酶体系的构筑及其催化降解有机物的机理研究(B2017001),2017.1-2019.12,主持
6. 湖北教育厅,纳米磁改性膨润土的吸附—协同催化降解有机物的机制(D20131107),2013.1-2015.12,主持
7. 江西省科技厅,高效回收焦化脱硫废液、硫泥综合利用装置制酸的研究(20152ACG70003),2015.1-2018.12,参加

代表性论文

- [1] Zheng Zhang, Guanghua Wang , **Wenbing Li,*** , Lidong Zhang, Benwei Guo, Ling Ding , Xiangcheng Li. Photocatalytic activity of magnetic nano-FeOOH/Fe₃O₄/ biochar composites for the enhanced degradation of methyl orange under visible light. *Nanomaterials*, 2021,11:526DOI: 10.3390/nano11020526
- [2] Zheng Zhang, Guanghua Wang, **Wenbing Li***, et al. Degradation of methyl orange through hydroxyl radical generated by optically excited biochar: Performance and mechanism. *Colloids and Surfaces A*,2020, 601:125034
- [3] Ding Ling, He Huan, Zhou Jin, Wang Dini, Nian Qiong, Li Shiqian; Qian Shihui, **Li Wenbing**, Liu Cu, Liang Zhengyong. Preparation of high-quality graphene oxide-carbon quantum dots composites and their application for electrochemical sensing of uric acid and ascorbic acid. *Nanotechnology*, 2021,32:135501, DOI:10.1088/1361-6528/abd12a
- [4] Yaoyao Yang, **Wenbing Li***, Deng-guang Yu, et al. Tunable drug release from nanofibers coated with blank cellulose acetate layers fabricated using tri-axial electrospinning. *Carbohydrate Polymers*, 2019, 203:228-237(*Co-first author, ESI 高被引)
- [5] Zhu Zhang, **Wenbing Li***, Guanghua Wang, et al. Electrospun 4th-generation solid dispersions of poorly water-soluble drug utilizing two different processes. *Journal of Nanomaterials*, DOI:10.1155/2018/2012140
- [6] Dong Wan, **Wenbing Li***, Guanghua Wang, Lulu Lu, Xiaobi Wei. Degradation of p-Nitrophenol using magnetic Fe₀/Fe₃O₄/Coke composite as a heterogeneous Fenton-like catalyst. *Science of The Total Environment*,2017, 574:1326-1334
- [7] Wan Dong, Wang Guanghua*, **Li Wenbing**, Wei Xiaobi. Investigation into the morphology and structure of magnetic bentonite nanocomposites with their catalytic activity. *Applied Surface Science*, 2017,413:398-407
- [8] **Wenbing Li**, Dong Wan, Guanghua Wang, Lulu Lu, Xiaobi Wei. Visible light

induced photocatalytic degradation of rhodamine B by magnetic bentonite. *Water Science and Technology*, 2016, 73(10): 2345-2352

- [9] **Wenbing Li**, Dong Wan, Guanghua Wang, Kun Chen, Lulu Lu. Heterogeneous Fenton degradation of Orange II by immobilization of Fe₃O₄ nanoparticles onto Al-Fe pillared bentonite. *Korean Journal of Chemical Engineering*, 2016, 33(5): 1557-1564
- [10] Dong Wan, **Wenbing Li***, Guanghua Wang, Xiaobi Wei. Size-controllable synthesis of Fe₃O₄ nanoparticles through oxidation-precipitation method as heterogeneous Fenton catalyst. *Journal of Materials Research*, 2016, 31(17): 2608-2616
- [11] Dong Wan, **Wenbing Li***, Guanghua Wang, Xiaobi Wei. Shape-Controllable Synthesis of Peroxidase-Like Fe₃O₄ Nanoparticles for Catalytic Removal of Organic Pollutants. *J Mat Eng Perform*, 2016,25(10):4333-4340
- [12] Lu Lulu, **Li Wenbing***, Wang Guanghua, Zhang Zheng, Wan Dong, Lü Lijun. Synthesis and Characterization of Biomimetic Fe₃O₄/Coke Magnetic Nanoparticles Composite Material. *Journal of Wuhan University of Technology-Materials Science Edition*, 2016, 31: 254-259
- [13] Dong Wan, **Wenbing Li***, Guanghua Wang, Kun Chen, Lulu Lu, Qin Hu. Adsorption and heterogeneous degradation of rhodamine B on the surface of magnetic bentonite material. *Applied Surface Science*, 2015, 349: 988-996
- [14] Qing-dong Wang, Guang-hua Wang*, **Wen-bing Li**, and Biao Chen, Production of Hydrogen-Rich Syngas from Lignite using Different Pyrolysis Methods, *Energy Technology*, 2016, 4(6): 751-757
- [15] **Wenbing Li**, Pengpeng Zhou, Longjiang Yu*. Statistical optimization of the medium composition by response surface methodology to enhance schizophyllan production by *Schizophyllum commune*. *Z. Naturforsch*, 2011, 66C(3/4): 173-181

- [16] Wei Li, Liping Liu, Weishan Chen, Longjiang Yu, **Wenbing Li**, Haizhen Yu. Calcium carbonate precipitation and crystal morphology induced by microbial carbonic anhydrase and other biological factors. *Process Biochemistry*, 2010, 45(6): 1017-1021
- [17] **Wenbing Li**, Longjiang Yu*, Pengpeng zhou, Min Zhu. Isolation of magnetotactic bacterium WM-1 from freshwater sediment and phylogenetic characterization. *Arch Microbiol*, 2007, 188(1):97-102
- [18] **Wenbing Li**, Longjiang Yu*, Pengpeng zhou, Min Zhu. A Magnetospirillum strain WM-1 from a freshwater sediment with intercellular magnetosomes. *World J Microbiol Biotech*, 2007, 23(10):1489-1492

已授权的发明专利

- [1] 王光华, 邵秋桐, 黄慧, **李文兵**, 魏晓币等.一株产生生物表面活性剂菌及其应用.发明专利, ZL201710139246.0
- [2] 王光华, **李文兵**, 卢露露, 万栋, 王晴东, 魏晓币, 胡琴.降解 POPs 的 Fe_3O_4/FeO /焦炭仿酶催化剂及其制备方法.发明专利, ZL201510479889.0
- [3] 王光华, **李文兵**, 刘贝, 田晶, 王晴东.一种煤基炭的微波脱 NO_x 催化剂及其制备方法.发明专利: ZL201510529465.0
- [4] 王光华, **李文兵**, 吕立君, 李进, 王晴东, 邵秋桐.一株长链烷烃降解菌及其应用.发明专利, 专利号: ZL201510492080.5
- [5] 王光华, **李文兵**, 王登富, 陈坤, 万栋, 胡琴, 梁玉河, 鲁露露.一种彩用仿酶型磁性催化剂再生处理有机废水的方法. 发明专利, 专利号: ZL201510126790.2
- [6] 王光华, **李文兵**, 陈坤, 刘文敏, 刘向勇, 常红兵, 鲁云洲.降解多/杂环芳烃的仿酶型水处理剂及其制备方法. 发明专利, 专利号: ZL201110266958.1