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个人简介

教学信息

无机及分析化学
实验化学 I
桥牌

科研项目

参与多项国家基金项目

所获奖项

发表文章

- (1) Zhihui Xu, Jianru Liang, Lixiang Zhou*, Photo-Fenton-like degradation of azo dye methyl orange using synthetic ammonium and hydronium jarosite, *Journal of Alloys and Compounds*, 2013(546): 112-118.
- (2) Zhihui Xu, Shuangyou Bai, Jianru Liang, Lixiang Zhou*, Yeqing Lan, Photocatalytic reduction of Cr(VI) by citric and oxalic acids over biogenetic jarosite, *Materials Science and Engineering: C* 2013(33): 2192–2196.
- (3) Zhihui Xu, Bo Lu, Jingyu Wu, Lixiang Zhou*, Yeqing Lan, Reduction of Cr(VI) facilitated by biogenetic jarosite and analysis of its influencing factors with response surface methodology, *Materials Science and Engineering: C*, 2013(33): 3723–3729.
- (4) Zhihui Xu, Ming Zhang, Jingyu Wu, Jianru Liang, Lixiang Zhou*, Bo Lǚ, Visible light-degradation of azo dye methyl orange using TiO₂/β-FeOOH as a heterogeneous photo-Fenton-like catalyst, *Water Science & Technology*, 2013 68(10): 2178-2185.
- (5) 徐峙晖, 吴静雨, 梁剑茹, 周立祥*, β-FeOOH 的无模板水热合成及其光催化降解偶氮染料甲基橙, *南京农业大学学报*, 2013 36(2): 132-136.
- (6) Ming Zhang, Zhihui Xu*, Jianru Liang, Lixiang Zhou, Chunyong Zhang, Potential application of novel TiO₂/β-FeOOH composites for photocatalytic reduction of Cr(VI) with an analysis of statistical approach, *International Journal of Environmental Science and Technology*.2015(12): 1669-1676.

- (7) Junjun Xu, Zhihui Xu*, Ming Zhang, Jiangyan Xu, Di Fang, Wei Ran, Impregnation synthesis of TiO₂/hydroniumjarosite composite with enhanced property in photocatalytic reduction of Cr(VI), *Materials Chemistry and Physics* 2015(152): 4-8.
- (8) 汪快兵,方迪,徐峙暉*,施瑛,郑冠宇,周立祥, 生物合成施氏矿物作为类芬顿反应催化剂降解甲基橙的研究, *环境科学*, 2015 36(3): 995-999.
- (9) Zhihui Xu*, Di Fang, Weicong Shi, Jiangyan Xu, Aimin Lu, Kuaibing Wang*, Lixiang Zhou, Enhancement in photo-Fenton-like degradation of azo dye methyl orange using TiO₂/hydroniumjarosite composite catalyst, *Environmental Engineering Science*, 2015 32(6): 497-504.
- (10) 张鸣, 徐峙暉, 崔春红, 周立祥*, 生物制备 β -FeOOH 光催化酒石酸还原 Cr(VI)的研究, *环境科学学报*, 2015 36(3): 995-999.
- (11) 吕波, 张鸣, 卢爱民, 徐江艳, 梁剑茹, 周立祥, 徐峙暉*, 响应曲面法优化生物法制备黄钾铁矾/草酸体系光催化降解甲基橙, *南京农业大学学报*, 2015 38(4): 676-681.
- (12) Zhihui Xu*, Yaqun Yu, Di Fang, Jiangyan Xu, Jianru Liang, Lixiang Zhou, Microwave-ultrasound assisted synthesis of β -FeOOH and its catalytic property in a photo-Fenton-like process, *Ultrasonics Sonochemistry*, 2015(27): 287-295.
- (13) Zhihui Xu, Bo Lv, Xiaobo Shi, Lixian Chen, Kuaibing Wang*, Chemical transformation of hollow coordination polymer particles to Co₃O₄ nanostructures and their pseudo-capacitive behaviors, *Inorganica Chimica Acta*, 2015 (427): 266-272.
- (14) Zhihui Xu, Yaqun Yu, Di Fang, Jianru Liang, Lixiang Zhou*, Simulated solarlight catalytic reduction of Cr(VI) on microwaveultrasonication synthesized flower-like CuO in the presence of tartaric acid, *Materials Chemistry and Physics* 2016 (171): 386-393.
- (15) Di Fang, Yaqun Yu, Zhihui Xu*, Jiangru Liang, Lixiang Zhou, Enhanced catalytic performance of β -FeOOH by coupling with single-walled carbon nanotubes in a visible-light-Fenton-like process, *Science and Engineering of Composite Materials* 2016 (DOI 10.1515/secm-2015-0212)
- (16) Zhihui Xu*, Hongmei Jiang, Yaqun Yu, Jiangyan Xu, Jianru Liang, Lixiang Zhou, Feng Hu*, Activation and β -FeOOH modification of sepiolite in one-step hydrothermal reaction and its simulated solar light catalytic reduction of Cr(VI), *Applied Clay Science* 2016 (DOI 10.1016/j.clay.2016.10.035)