

## 师资队伍

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本科课程: 有色金属冶金学、高纯金属冶金方法、现代冶金工程设计与实践

研究生课程: 表面冶金工程技术与方法

科研方向: 重金属污染深度净化与修复  
稀贵金属二次资源清洁循环  
湿法冶金

## 简历

男, 工学博士, 副教授, 1974年生于四川眉山。1992年考入中南大学, 2003年获有色金属冶金专业博士学位; 2004年4月~2005年6月、2005年7月~2008年3月分别在粉末冶金国家重点实验室、日本佐贺大学从事博士后研究; 2008年4月至今任教于北京科技大学。主要从事有色金属冶金方面的研究与教学工作, 已发表学术论文60余篇, 授权中国专利6项及日本专利1项。

## 代表性论文论著

[1] Kai Huang, Yifan Xiu, Hongmin Zhu. Selective removal of Cr(VI) from aqueous solution by adsorption on mangosteen peel. Environment Science and Pollution Research, published online: 05 February 2013, DOI 10.1007/s11356-013-1497-0

[2] Kai Huang, Hongmin Zhu. Removal of Pb<sup>2+</sup> from aqueous solution by adsorption on chemically modified muskmelon peel. Environment Science and Pollution Research, published online: 05 December 2012, DOI 10.1007/s11356-012-1361-7

[3] Kai Huang, Katsutoshi Inoue, Hiroyuki Harada, Hidetaka Kawakita and Keisuke Ohto. Leaching of heavy metals by citric acid from fly ash generated in municipal waste incineration plants. Journal of Material Cycles and Waste Management, 13(2) 2011:118-126.

[4] Kai Huang, Katsutoshi Inoue, Hiroyuki Harada, Hidetaka Kawakita, Keisuke Ohto. Leaching behavior of heavy metals with hydrochloric acid from fly ash generated in municipal waste incineration plants. Transactions of Nonferrous Metals Society of China, 21(6) 2011:1422-1427.

[5] Kai Huang, Jiugang Shao, Hongmin Zhu, Katsutoshi Inoue. Removal of fluoride from aqueous solution onto Zr-loaded garlic peel (Zr-GP) particles. Journal of Central South University of Technology, 18(5) 2011:1448-1453.

[6] Kai Huang, Shuqiang Jiao, Hongmin Zhu. Selective recovery of precious metals by selective adsorption on garlic peel gels. TMS Annual Meeting, p 289-296,

2012, Orlando, FL, United states.

[7] Kai Huang, Gensheng Sun, Rui Su, Shuqiang Jiao, Hongmin Zhu. Biosorption of Pb(II) from aqueous solution using modified wheat straw. ICECE 2011, Yichang, Hubei, Proceedings, p 3856-3859, 2011.

[8] Lianyun Liu, Kai Huang, Jungang Hou, Hongmin Zhu. Structure refinement for tantalum nitrides nanocrystals with various morphologies. Materials Research Bulletin, 47(7) 2012:1630-1635.

[9] Bo Jiang, Kai Huang, Zhanmin Cao, Hongmin Zhu. Thermodynamic study of titanium oxycarbide. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 43(10) 2012: 3510-3514.

[10] Na Wang, Kai Huang, Jungang Hou, Hongmin Zhu. Preparation of niobium nanoparticles by sodiothermic reduction of Nb<sub>2</sub>O<sub>5</sub> in molten salts. Rare Metals, 31(6) 2012: 621-626.

#### 科研业绩

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