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简历:

崔浩杰, 男, 博士, 副研究员。2002年获安徽农业技术师范学院学士学位, 2008年获华中农业大学农学博士学位(土壤化学专业)。2008年9月进入中科院城市环境研究所工作。2009年6月至2009年9月在台湾大学进行合作研究。先后主持和参加国家自然科学基金重大项目、青年基金项目、福建省自然科学基金项目和厦门市科技计划项目等多项课题。在Journal of Materials Chemistry, Crystal Growth & Design, Catalysis Communications, Microporous and Mesoporous Materials, Journal of Soils Sediments, Journal of Hazardous Materials, Clays and Clay Minerals, 中国科学(D辑)等国内外重要期刊发表论文近30篇, 其中SCI刊源论文20篇, 申请发明专利3项。

研究领域:

高效环境材料制备、纳米粒子环境行为与生态效应, 土壤环境化学等。

社会任职:

获奖及荣誉:

代表论著:

1. Hao-Jie Cui, Jian-Wen Shi, Fan Liu and Ming-Lai Fu. Large-scale preparation of hierarchical manganese oxide octahedral molecular sieves (OMS-1) nanoplate microspheres via a facile one-pot reflux method. Journal of Materials Chemistry, 2011, 21, 18527-18529.
2. Hao-Jie Cui, Hai-Zhen Huang, Ming-Lai Fu, Bao-Ling Yuan and William Pearl. Facile synthesis and catalytic properties of single crystalline β -MnO₂ nanorods. Catalysis Communications, 2011, 12, 1339-1343.
3. Hao-Jie Cui, Ming-Lai Fu, Shen Yu and Ming-Kuang Wang. Reduction and removal of Cr(VI) from aqueous solutions using modified byproducts of beer production. Journal of Hazardous Materials, 2011, 186, 1625-1631.
4. Hao-Jie Cui, Ming Kuang Wang, Ming-Lai Fu and En Ci. Enhancing phosphorus availability in phosphorus-fertilized zones by reducing phosphate adsorbed on ferrihydrite using rice-straw derived biochar. Journal of Soils Sediments, 2011, 11, 1135-1141.
5. Qiang Zhou, Ming-Lai Fu, Bao-Ling Yuan, Hao-Jie Cui and Jian-Wen Shi. Assembly, characterization, and photocatalytic activities of TiO₂ nanotubes/CdS quantum dots nanocomposites. Journal of Nanoparticle Research, 2011, 13, 6661-6672.
6. Mao-Zhong Zheng, Chao Cai, Ying Hu, Guo-Xin Sun, Paul N. Williams, Hao-Jie Cui, Gang Li, Fang-Jie Zhao and Yong-Guan Zhu. Spatial distribution and temporal variation of arsenic in rice. New Phytologist, 2011, 189, 200-209.
7. Haojie Cui, Xionghan Feng, Wenfeng Tan, Wei Zhao, Ming Kuang Wang, Tou Ming Tsao and Fan Liu. Synthesis of a nanofibrous manganese oxide octahedral molecular sieve with Co(NH₃)₆³⁺ complex ions as template via a reflux method. Crystal Growth & Design, 2010, 10, 3355-3362.
8. Haojie Cui, Fan Liu, Xionghan Feng, Wenfeng Tan and Ming Kuang Wang. Aging promotes todorokite formation from layered

manganese oxide at near-surface conditions. *Journal of Soils Sediments*, 2010, 10, 1540-1547.

9. Xiaofang Li, Yizong Huang, Yibing Ma, Jinwei Sun, Haojie Cui. Leaching impacts Ni toxicity differently among soils but increases its predictability according to nitrification assay. *Journal of Soils Sediments*, 2010, 10, 579-589.

10. Haojie Cui, Xionghan Feng, Wenfeng Tan, Jizheng He, Ronggui Hu and Fan Liu. Synthesis of todorokite-type manganese oxide from Cu-buserite by controlling the pH at atmospheric pressure. *Microporous and Mesoporous Materials*, 2009, 117, 41-47.

11. Haojie Cui, Guohong Qiu, Xionghan Feng, Wenfeng Tan and Fan Liu. Birnessites with different average manganese oxidation states synthesized, characterization, and transformed to todorokite at atmospheric pressure. *Clays and Clay Minerals*, 2009, 57, 715-724.

12. Haojie Cui, Lei You, Xionghan Feng, Wenfeng Tan Guohong Qiu and Fan Liu. Factors governing the formation of lithiophorite at atmospheric pressure. *Clays and Clay Minerals*, 2009, 57, 353-360.

13. Wei Zhao, Haojie Cui, Xionghan Feng, Wenfeng Tan and Fan Liu. Relationship between Pb²⁺ adsorption and average Mn oxidation state in synthetic birnessites. *Clays and Clay Minerals*, 2009, 57, 338-345.

14. Haojie Cui, Xiangwen Liu, Wenfeng Tan, Xionghan Feng, Fan Liu and Huada Daniel Ruan. Influence of Mn(III) availability on the phase transformation from layered buserite to tunnel-structured todorokite. *Clays and Clay Minerals*, 2008, 56, 397-403.