

Professor WANG Xiaozhi

College	College of Environmental Science & Engineering
Current Position	Professor
Types of Tutor	Doctoral Tutor
Language	Chinese/English
Education	09/2002-07/2005: Ph.D. in Soil Science, Institute of Soil Science, Chinese Academy of Science
Research Interests	<ol style="list-style-type: none"> 1. Environmental functional materials, restoration of water and soil 2. Treatment and resource of organic solid waste
Selected Publications	<ol style="list-style-type: none"> 1. Wang, S., M. Zhao, M. Zhou, Y. Zhao, Y.C. Li, B. Gao, K. Feng, W. Yin, Y.S. Ok, X. Wang*. Biomass facilitated phase transformation of natural hematite at high temperatures and sorption of Cd²⁺ and Cu²⁺, Environment International 2019,124: 473-481. 2. Weiqin Yin, Dian Dai, Jianhua Hou * , Shengsen Wang, Xiaoge Wu, Xiaozhi Wang* , Hierarchical porous biochar-based functional materials derived from biowaste for Pb(II) removal. Applied Surface Science, 2019, 465: 297–302. 3. Zhao Haitao, β–cyclodextrin functionalized biochars as novel sorbents for high-performance of Pb²⁺ removal, Journal of Hazardous Materials, 2019, DOI: 10.1016/j.jhazmat.2018.09.027 4. Yanxia Zhou, Yiting Zhao, Xiaoge Wu, Weiqin Yin, Jianhua Hou, Shengsen Wang, Ke Feng, Xiaozhi Wang*. Adsorption and reduction of hexavalent chromium on magnetic greigite (Fe₃S₄)-CTAB: leading role of Fe(ii) and S(-ii). RSC advance, 2018, 8, 31568–31574. DOI: 10.1039/C8RA06534A 5. Hong Zhu, Yucheng Zhou, Shengsen Wang, Xiaoge Wu, Jianhua Hou, Weiqin Yin, Ke Feng, Xiaozhi Wang*. Preparation and application synthesis of magnetic

	<p>nanocomposite using waste toner for the removal of Cr(vi). RSC Advances, 2018, 8, 27654–27660. DOI: 10.1039/C8RA05291C</p> <p>6. Jianhua Hou, Rui Wei, Xiaoge Wu, Muhammad Tahir, Xiaozhi Wang, Faheem K. Buttc and Chuanbao Cao. Lantern-like bismuth oxyiodide embedded typha-based carbon via in situ self-template and ion exchange–recrystallization for high-performance photocatalysis. Dalton Transactions. 2018, 47, 6692-6701, DOI: 10.1039/C8DT00570B</p> <p>7. Shengsen Wang, Yanxia Zhou, Shuwen Han, Nong Wang, Weiqin Yin, Xianqiang Yin, Bin Gao, Xiaozhi Wang, Jun Wang. Carboxymethyl cellulose stabilized ZnO/biochar nanocomposites: Enhanced adsorption and inhibited photocatalytic degradation of methylene blue. Chemosphere, 2018, 197: 20-25.</p> <p>8. Shengsen Wang, Yanxia Zhou, Bin Gao, Xiaozhi Wang, Xianqiang Yin, Ke Feng, JunWang. The sorptive and reductive capacities of biochar supported nanoscaled zero-valent iron (nZVI) in relation to its crystallite size, Chemosphere, 2017, 186: 495-500.</p> <p>9. Tingting Yang, Lirong Meng, Shuwen Han, Jianhua Hou, Shengsen Wang and Xiaozhi Wang*. Simultaneous reductive and sorptive removal of Cr(VI) by activated carbon supported b-FeOOH. RSC Advances, 2017, 7, 34687–34693. DOI: 10.1039/c7ra06440c (他引 1 次, 20180422)</p> <p>10. Shuwen Han, Hemin Yu, Tingting Yang, Shengsen Wang & Xiaozhi Wang*. Magnetic Activated-ATP@Fe₃O₄ Nanocomposite as an Efficient Fenton-Like Heterogeneous Catalyst for Degradation of Ethidium Bromide. Scientific Reports, 2017, 7, 6070; DOI: 10.1038/s41598-017-06398-3 (他引 2 次, 20180422)</p> <p>11. Yang, Wenlan; He, Chengda; Wang, Xiaozhi ; Zhang, Ya ; Cheng, Zhipeng; Dai, Benlin; Zhang, Lili. Dissolved organic matter (DOM) removal from bio-treated coking wastewater using a new polymeric adsorbent</p>
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	<p>modified with dimethylamino groups. BIORESOURCE TECHNOLOGY, 2017, 241: 82-87.</p> <p>12. Wang, SS ; Zhou, YX ; Gao, B ; Wang, XZ ; Yin, XQ ; Feng, K ; Wang, J. The sorptive and reductive capacities of biochar supported nanoscaled zero-valent iron (nZVI) in relation to its crystallite size. CHEMOSPHERE, 2017, 186: 495-500.</p>
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