

PERSONAL:

Name: **Hongmei Jiang**
Department: Department of Chemistry, College of Sciences
Gender: Female
Degree: Ph.D.
Title: Professor
Major: Environmental Analytical Chemistry
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RESEARCH INTERESTS:

1. The preparation of magnetic functional composites
2. Trace analysis and the speciation analysis
3. The removal of environmental pollutants

PROFESSIONAL EXPERIENCE:

2018-now Full professor, College of Sciences, Nanjing Agricultural University
2011-2018 Associated professor, College of Sciences, Nanjing Agricultural University
2017-now Deputy director of Chemistry department
2016-2017 Deputy director of Chemistry Teaching Experiment Center
2015-2016 Visiting scholar, College of Chemical Engineering, University of Queensland
2010-2012 Post-doctor, School of Chemistry and Chemical Engineering, Nanjing University
2007-2011 Lecturer, College of Sciences, Nanjing Agricultural University
2002- 2007 Doctor of science, College of Chemistry and Molecular Sciences, Wuhan University

HONORS AND AWARDS:

None

TEACHING:

- 《Instrument Analysis》
- 《Separation Science》
- Edited Books: 《Instrument Analysis》
- Take responsibility for several SRT projects, have supervised about 20 undergraduate students to complete their graduation dissertations.

RESEARCH PROJECTS:

1. The application study of new extraction technology based on magnetic mesoporous carbon for the speciation of mercury. (Supported by the National Science Foundation for Young Scientists of China, 21607075, 2017.01~2019.12, in process.);
2. The application study of new extraction technology based on magnetic mesoporous carbon for the speciation of mercury. (Special project of the Fundamental Research Funds for the Central Universities, KJQN201721, 2016.01~2018.12, in process.);
3. The preparation of magnetic carbon aerogel and their application for trace analysis and the

- speciation analysis. (Special project of the Fundamental Research Funds for the Central Universities, KYZ201600163, 2016.01~2018.12, in process.);
4. Magnetic solid phase extraction for trace element and their speciation analysis. (supported by the National Science Foundation for Young Scientists of China, BK20140677, 2014.7~2017.7, done.) ;
 5. The preparation of ion imprinted magnetic nanoparticles and their application for trace element and speciation. (Special project of the Fundamental Research Funds for the Central Universities, KYZ201220, 2012.01~2015.01, done.).

PUBLICATIONS:

1. B. Zhu, L. Zhou, Q. Zhang, X. Wang, **H. M. Jiang***, A. Lu, The preparation of Pb(II)-imprinted polymers by the combination of surface-imprinted method with sol-gel method for the removal of Pb(II), *Desalination and Water Treatment*, **2017**, 86: 231-239.
2. **H. M. Jiang***, Y. Zhang, R. Chen, M. Sun, H. Tong, J. Xu, Preparation of ion imprinted magnetic Fe₃O₄ nanoparticles for selective remediation of Pb(II), *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 80: 184-91.
3. Z. Xu, **H. M. Jiang**, Y. Yu, J. Xua, J. Liang, L. Zhou, F. 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*, 2017, 135: 547–553.
4. **H. M. Jiang***, M. L. Sun, J. Y. Xu, A. M. Lu, Y. Shi, Magnetic Fe₃O₄ nanoparticles modified with polyethyleneimine for the removal of Pb(II), *CLEAN-Soil, Air, Water*, **2016**, 44(9): 1146-1153.
5. L. J. Zhong, Q. Zhang, M. L. Sun, Y. L. Zhang, **H. M. Jiang***, H. Z. Lian: Fabrication and characterization of polyethyleneimine immobilized on chloropropyl and silica-coated magnetic nanoparticles for Pb²⁺ removal from aqueous solution, *Desalination and Water Treatment*, **2016**, 57(29): 13701-13710
6. W. Liu, Y.F. Liu, Y. Q. Tao, Y. J. Yu, **H. M. Jiang***, H. Z. Lian, Comparative study of adsorption of Pb(II) on native garlic peel and mercerized garlic peel, *Environ. Sci. Pollut. Res.*, **2014**, 21:2054
7. **H. M. Jiang**, T. Yang, X. Hu, L. Mao, H. Z. Lian*, Magnetic solid-phase extraction combined with graphite furnace atomic absorption spectrometry for speciation of Cr(III) and Cr(VI) in environmental waters, *Talanta*, **2013**, 116: 361.
8. A. Lu, Y. Zhang, W. Liu, Y. Lan, **H. M. Jiang***, Adsorption of Pb²⁺ on amino-functionalized magnetic nanoparticles Fe₃O₄, *Journal Nanjing Agricultural University*, **2013**, 36(1): 142
9. **H. M. Jiang***, Z. P. Yan, Y. Zhao, X. Hu, H. Z. Lian, Zincon-immobilized silica-coated magnetic Fe₃O₄ nanoparticles for solid-phase extraction and determination of trace lead in natural and drinking waters by graphite furnace atomic absorption spectrometry, *Talanta*, **2012**, 94: 251
10. **H. M. Jiang***, Y. Zhang, B. C. Qiu, W. H. Li, Ultrasound-assisted emulsification–

microextraction (USAEME) combined with graphite furnace atomic absorption spectrometry (GFAAS) for the determination of trace lead in water samples, *CLEAN-Soil, Air, Water*, **2012**, 40 (4): 438