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一、主要研究方向

1. 功能化分离分析材料的制备及应用;
2. 光谱传感分析材料的制备及应用;
3. LC-MS、ICP-MS等分析方法的建立及应用。

联系方式

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二、部分代表性论文

(1) **Jiajia Yang**, Yun Li*, Tian Tian, Haitao Shi, Zia Ahmad, Ningbo Geng, Jing Jin, Yanqiang Huang, Haijun Zhang, Hongjun Fan, Jiping Chen*, Novel mesocellular silica foam supported poly(amidoxime-ethyleneimine) network for fast and highly efficient uranium extraction from seawater, *Chemical Engineering Journal* 2023, accept. (一区 top)

(2) Chengbin Zhang, Ningbo Geng, Yubing Dai, Zia Ahmad, Yun Li, Shuai Han, Haijun Zhang, Jiping Chen, **Jiajia Yang***, Accumulation and distribution characteristics of rare earth elements (REEs) in the naturally grown marigold (*Tagetes erecta* L.) from the soil, *Environmental Science and Pollution Research* 2023, <https://doi.org/10.1007/s11356-023-25508-5>.

(3) 于景娜, 谢丽, 陈志宇, 钟慧芳, 屠洁, 李芳, **杨甲甲***, 罗茜*, 苯并[a]芘和慢性压力应激暴露对小鼠肝脏代谢的影响, *环境化学*, 已接受 (2022) .

(4) **Jiajia Yang**, Qingye Sun, Chaonan Huang, Shenjun Qin, Shuai Han, Zhongchao Huo, Yun Li, Xiaoli Sun, Jiping Chen. 3-Aminophenylboronic acid-mediated aggregation of gold nanoparticles for colorimetric sensing of iohexol in environmental and biological samples. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 2021, 261: 120004.

(5) **Jiajia Yang**, Yun Li, Chaonan Huang, Yanna Jiao, Jiping Chen*, A phenolphthalein-dummy template molecularly imprinted polymer for highly selective extraction and clean-up of bisphenol A in complex biological, environmental and food samples, *Polymers* 2018, 10, 1150.

(6) **Jiajia Yang**, Yun Li, Jincheng Wang, Xiaoli Sun, Rong Cao, Hao Sun, Chaonan Huang, Jiping Chen*, Molecularly imprinted polymer microspheres prepared by Pickering emulsion polymerization for selective solid-phase extraction of eight bisphenols from human urine samples, *Analytica Chimica Acta* 2015, 872: 35-45.

(7) **Jiajia Yang**, Yun Li, Jincheng Wang, Xiaoli Sun, Syed Mazhar Shah, Rong Cao, Jiping Chen*, Novel sponge-like molecularly imprinted mesoporous silica material for selective isolation of bisphenol A and its analogues from sediment extracts, *Analytica Chimica Acta* 2015, 853: 311-319.

(8) Chaonan Huang, **Jiajia Yang**, Jiping Ma, et al., An efficient mixed-mode strong anion-exchange adsorbent based on functionalized polyethyleneimine for simultaneous solid phase extraction and purification of bisphenol analogues and monoalkyl phthalate esters in human urine, *Microchemical Journal* 2022, 180, 107536.

(9) Zia Ahmad, Yun Li*, **Jiajia Yang**, Ningbo Geng, Yun Fan, Xiaoyi Gou, Qingye Sun, Jiping Chen*. A membrane-supported bifunctional poly(amidoxime-ethyleneimine) network for enhanced uranium extraction from seawater and wastewater. *Journal of Hazardous Materials* 2022, 425, 127995.

(10) Yubing Dai, Shuai Sun, Yun Li, **Jiajia Yang**, Chengbin Zhang, Rong Cao, Haijun Zhang, Jiping Chen, Ningbo Geng*. Residual levels and health risk assessment of rare earth elements in Chinese resident diet: A market-based investigation. *Science of The Total Environment* 2022, 828, 154119.

三、承担项目及经费

1. 河北省自然科学基金青年基金项目, B2017402043, 环境激素分子印迹表面增强拉曼散射传感材料(器件)的制备及应用, 2017/01-2019/12, 4万元, 已完成, 主持;

2. 河北省高等学校科学技术研究项目, QN2017309, 新型分子印迹表面增强拉曼散射传感材料(器件)的研制及应用, 2017/01-2019/12, 2.5万元, 已结题, 主持;

3. 银杏内酯和农药残留等检测技术研究和开发, 横向项目(晨光生物科技集团), 2019/12-2020/11, 10万元, 已结题, 主持;

4. 质谱类相关危害物指标等检测技术研究和开发, 横向项目(晨光生物科技集团), 2020/12-2022/11, 10万元, 已结题, 主持;

5. 国家自然科学基金面上项目, 21475130, 双酚类污染物高选择性印迹材料的制备及应用, 2015/01-2018/12, 85万元, 已结题, 参加。