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简介: 裴晓燕, 女, 1988 年 9 月生, 博士, 讲师, 硕士生导师, 入选南湖学者奖励计划 B 类人才。

个人经历

教育经历:

2008.9-2012.6	学士	河南师范大学	化学化工学院	化学
2012.9-2018.6	博士	河南师范大学	化学化工学院	物理化学 导师: 王键吉教授

工作简历:

2018.7-至今	信阳师范学院	化学化工学院	讲师
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研究领域与兴趣

1. 功能溶液化学
2. 刺激响应性材料

主讲课程

本科生: 《结构化学》、《统计热力学》、《物理化学实验》等

主持科研项目

纵向项目:

1. 国家自然科学基金: 离子液体功能化 MOF 稳定的 CO₂ 响应 Pickering 乳液的微结构和相行为调控, 22003055, 24 万, 2021.1-2023.12, 主持
2. 河南省科技攻关项目: 基于离子液体的微流反应连续制备 MOFs 材料及结构调控研究, 232102230076, 2023.1-2024.12, 主持

代表性研究成果

期刊论文:

1. **Xiaoyan Pei***, Wangyue Song, Yunlei Shi, Chao Xu, Zhe Wang, Xiantao Ma, Dong-Li Xu, and Zhiyong Li*, CO₂ Switchable Emulsification and Demulsification of Pickering Emulsion Stabilized by Zirconium-Based Metal-Organic Frameworks, ACS Sustainable Chemistry & Engineering, **2023**, 11, 796-803.
2. **Xiaoyan Pei*** and Wangyue Song, CO₂ Triggered Hierarchical-Pore UiO-66-Based Pickering Emulsions for Efficient and Recyclable Suzuki-Miyaura Cross-Coupling in Biphasic Systems,

- Langmuir, **2023**, 39, 15046-15054.
3. **Xiaoyan Pei***, Wangyue Song, Zongwen Zhang, Yang Zhao, and Zhiyong Li*, CO₂ Responsive CuI-Ionic Liquid/Zeolitic Imidazolate Frameworks Stabilized Pickering Emulsions for Azide-Alkyne Click Reaction, ACS Applied Nano Materials, **2023**, 6, 19972-19980.
 4. **Xiaoyan Pei***, Wangyue Song, Dong-Li Xu, Qiuju Zhou, Yang Zhao, and Zhiyong Li*, CO₂ Induced Phase Transfer of Amino-Modified ZIF-90 between Immiscible Liquid Phases for Recyclable Efficient Synergistic Catalysis, ACS Applied Nano Materials, **2023**, 6, 11291-11298.
 5. **Xiaoyan Pei***, Jiang Liu, Wangyue Song, Dongli Xu, Zhe Wang, and Yanping Xie, CO₂-Switchable Hierarchically Porous Zirconium-Based MOF-Stabilized Pickering Emulsions for Recyclable Efficient Interfacial Catalysis, Materials, **2023**, 16, 1675-1686.
 6. **Xiaoyan Pei**, Zhiyong Li,* Huiyong Wang, Qiuju Zhou, Zuodong Liu, and Jianji Wang*, CO₂-Switchable Phase Separation of Nonaqueous Surfactant-Free Ionic Liquid-Based Microemulsions, ACS Sustainable Chemistry & Engineering, **2022**, 10, 1777-1785.
 7. **Xiaoyan Pei***, Chunyu Tian, Yanning Wang, Zhenzhen Li, Zhiyan Xiong, Huiyong Wang, Xiantao Ma, Xinhua Cao, and Zhiyong Li, CO₂-Driven Reversible Transfer of Amine-Functionalized ZIF-90 between Organic and Aqueous Phases, Chemical Communication, **2022**, 58, 10372-10375.
 8. **Xiaoyan Pei,*** Jiang Liu, Weihao Rao, Xiantao Ma, and Zhiyong Li,* CO₂- Switchable Reversible Phase Transfer of Carbon Dots, Industrial & Engineering Chemistry Research, **2021**, 60, 25, 9296-9303.
 9. **Xiaoyan Pei**, Dazhen Xiong, Huiyong Wang, Shuaiqi Gao, Xinying Zhang, Suojiang Zhang, and Jianji Wang,* Reversible Phase Transfer of Carbon Dots between an Organic Phase and Aqueous Solution Triggered by CO₂, Angewandte Chemie International Edition, **2018**, 57, 14, 3687-3691.
 10. **Xiaoyan Pei**, Dazhen Xiong, Yuanchao Pei, Huiyong Wang, and Jianji Wang,* Switchable oil-water phase separation of ionic liquid-based microemulsions by CO₂, Green Chemistry, **2018**, 20, 18, 4236-4244.
 11. **Xiaoyan Pei**, Dazhen Xiong, Jing Fan, Zhiyong Li, Huiyong Wang, and Jianji Wang,* Highly efficient fluorescence switching of carbon nanodots by CO₂, Carbon, **2017**, 117, 147-153.
 12. Jie Yang, Huiyong Wang Jianji Wang Xiaojia Guo, and **Xiaoyan Pei**, Structural Transition of Cinnamate-Based Light-Responsive Ionic Liquids in Aqueous Solutions and Their Light-Tunable Rheological Properties, Langmuir, **2016**, 32, 66-72.

奖励及荣誉

入选南湖学者奖励计划 B 类人才，主持国家自然科学基金和河南省科技攻关项目各 1 项。近年来已在 Angewandte Chemie International Edition、ACS Sustainable Chemistry & Engineering、Green Chemistry 等国际知名分析化学期刊杂志上发表学术论文数十篇。

个人主页

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