

李湛 (研究员)

2021-05-21 核学院



一、基本情况

李湛，男，1984年04月出生于甘肃礼县，现为国家核产业研究院研究员。

二、主要学习工作经历

2001.09--2005.06 天津农学院 学士

2005.09--2008.06 兰州大学 硕士

2008.09--2011.06 兰州大学 博士

2011.07-2014.01 中国科学院近代物理研究所 嬗变化学室 助理研究员

2014.02-2020.09 中国科学院兰州化学物理研究所 中科院西北特色植物资源化学重点实验室 助理研究员 副研究员

2020.09-至今 兰州大学 国家核产业研究院 研究员

三、研究领域

- 1.新型同位素分离材料的设计与合成。
- 2.石墨烯表面原子尺度器件的设计构筑及其在分离分析中的应用。

四、主要成果

围绕石墨烯表面纳米器件的构筑，发展出单层石墨烯纳孔和纳米泡的制备新技术，同时基于燃烧合成策略，提出一种多重限域诱导一步合成非金属元素掺杂的纳孔石墨烯材料的合成新方法，并将该类材料成功用于水溶液中稀土离子、同位素及对映体分子的高选择性膜分离。在以上基础上，在*iScience*, *Advanced Functional Materials*, *Analytical Chemistry*, *ACS Applied Materials & Interfaces*, *Advanced Healthcare Materials*等国际著名期刊发表论文80余篇。目前，已结题国家自然科学基金-青年项目1项，主持国家自然科学基金-面上项目2项，甘肃自然科学基金1项，中科院兰州化学物理研究所联合创新项目1项。以科研骨干参与中国科学院“一三五”重点培育项目，并参与科技部重点研发项目“固废专项”。入选中科院西部青年学者A类人才项目、中科院青年创新促进会、“西部之光”博士项目以及甘肃省陇原创新人才。申请专利3项，授权1项。

五、十篇代表性论文

1. Hongxin Tan, Xin Zhang, **Zhan Li***, Qing Liang, Yanli Yuan, Jinsheng Wu, Shiwei Cao, Jia Chen, Juewen Liu, Hongdeng Qiu*, Nitrogen-doped Nanoporous Graphene Induced by Multiple Confinement Strategy for Membrane Separation of Rare Earth, 2021, iScience (Cell子刊), In Press
2. **Zhan Li**, Xin Zhang, Hongxin Tan, Wei Qi, Li Wang, Ali M. C., Haijuan Zhang, Jia Chen, Peizhuo Hu, Chunhai Fan, Hongdeng Qiu. Combustion Fabrication of Nanoporous Graphene for Ionic Separation Membranes. *Advanced Functional Materials*, 2018, 28(43), 1805026. (IF=16.8, 一区)
3. **Zhan Li**, Yanqi Liu, Yang Zhao, Xin Zhang, Lijuan Qian, Longlong Tian, Jing Bai, Wei Qi, Hui-Jun Yao, Bin Gao, Jie Liu, Wangsuo Wu, Hongdeng Qiu: Selective Separation of Metal Ions via Monolayer Nanoporous Graphene with Carboxyl Groups. *Analytical Chemistry*, 2016; 88(20). (IF=6.8, 一区)
4. Hongxin Liu, Tianqi Liu, Xin Zhang, Qiang Shan, Jia Chen, **Zhan Li***, Hirotaka Ihara, Hongdeng Liu*, Preparation of Vortex Porous Graphene Chiral Membrane for Enantioselective Separation, *Analytical Chemistry*, 2020, 92, 20, 13630–13633. (IF=6.8, 一区, 封面)
5. Jinsheng Wu, **Zhan Li***, Hongxin Tan, Shaobo Du, Tianqi Liu, Yanli Yuan, Xiuhui Liu*, Qiu, Hongdeng*, Highly Selective Separation of Rare Earth Elements by Zn-BTC-MOF/Nanoporous Graphene via In-situ Green Synthesis, *Analytical Chemistry*, 2021, In press (IF=6.8, 一区)
6. Xin Zhang, Haojie Zhang, Shiwei Cao, Ning Zhang, Bo Jin, Zewen Zong, **Zhan Li***, Ximeng Chen*. Construction of Position-Controllable Graphene Bubbles in Liquid Nitrogen with Assistance of Low-Power Laser. *ACS Applied Materials & Interfaces*. 2021, DOI: 10.1021/acsami.0c14857. (IF=8.76, 一区)
7. **Zhan Li**, Longlong Tian, Jianli Liu, Wei Qi, Qiang Wu, Haijing Wang, Mohammad Chand Ali, Wangsuo Wu, Hongdeng Qiu*: Graphene Oxide/Ag Nanoparticles Cooperated with Simvastatin as a High Sensitive X-Ray Computed Tomography Imaging Agent for Diagnosis of Renal Dysfunctions. *Advanced Healthcare Materials*, 2017, 6, 1700413. (IF=7.36, 一区)

8. Houmei Liu, **Zhan Li***, Makoto Takafuji, Hirotaka Ihara, Hongdeng Qiu*, Octadecylimidazolium Ionic Liquid-Modified Magnetic Materials: Preparation, Adsorption Evaluation and Their Excellent Application for Honey and Cinnamon. Food Chemistry, 2017, 229, 208-214. (IF=6.4, 一区)
9. Xiaofei Han, Jia Chen, **Zhan Li***, Kaijun Quan, Hongdeng Qiu*, Magnetic solid-phase extraction of triazole fungicides based on magnetic porous carbon prepared by combustion combined with solvothermal method, Analytica Chimica Acta, 2020, 1129, 8, 2020, 85-97. (IF=5.99, 二区)
10. Xiaofei Han, Jia Chen, **Zhan Li***, Hongdeng Qiu*, Combustion fabrication of magnetic porous carbon as a novel magnetic solid-phase extraction adsorbent for the determination of non-steroidal anti-inflammatory drugs, Analytica Chimica Acta, 2019, 1078. 78-89. (IF=5.99, 二区)

六、联系方式

通讯地址: 甘肃省兰州市城关区天水南路222号

E-mail: liz@lzu.edu.cn (mailto:liz@lzu.edu.cn)

上一篇: [李玉红 \(/shiziduiwu/jiaoshou/2021/0331/173128.html\)](/shiziduiwu/jiaoshou/2021/0331/173128.html)

下一篇: [刘志毅 \(/shiziduiwu/jiaoshou/2018/1018/173120.html\)](/shiziduiwu/jiaoshou/2018/1018/173120.html)

院长邮箱

书记邮箱

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地址: 兰州市天水南路222号 邮编: 730000 Email: snst@lzu.edu.cn