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## 赵曼

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赵曼, 山西临汾人, 理学博士。2015年6月毕业于中国科学院山西煤炭化学研究所。硕博连读期间, 曾获得中欧联合培养奖学金; 2012年10月至2014年10期间在德国弗劳恩霍夫研究所从事研究工作2年。承担本科《物理化学》、《催化原理》等课程的教学工作, 目前主要致力于高质量石墨烯等材料的制备及其在光催化、电催化应用方面的研究。目前承担多项省和校级科研、教学项目。

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#### 近期代表论文:

1. Xiao, H.; Bo, L.; **Zhao, M.\***; Li, Y.; Hu, T.; Jia, J.\*; Wu, H. Electrosynthesized CuO<sub>x</sub>/graphene by a facile four-electrode electrolysis system for efficient oxygen reduction reaction to hydrogen peroxide. *Chemical Communications*. 2021, 57, 4118–4121 (**Hot Article**)
2. Xiao, H.; Du, X.; **Zhao, M.\***; Li, Y.; Hu, T.; Wu, H.; Jia, J.\*; Yang, N. Structural dependence of electrosynthesized cobalt phosphide/black phosphorus heterojunctions for oxygen evolution in alkaline media. *Nanoscale*. 2021, 13, 7381–7388
3. He Xiao, Shoufeng Xue, Jingjuan Zhang, **Man Zhao\***, Jianchun Ma, Shuai Chen, Zhanfeng Zheng, Jianfeng Jia\*, Haishun Wu. Facile electrolytic synthesis of Pt and carbon quantum dots coloaded multiwall carbon nanotube as highly efficient electrocatalyst for hydrogen evolution and ethanol oxidation. *Chemical Engineering Journal* 408 (2021) 127271
4. **Man Zhao**, Xiaofang Ma, Siwei Yan, He Xiao\*, YaLi, Tianjun Hu, Zhanfeng Zheng, Jianfeng Jia\*, Haishun Wu, Solvothermal synthesis of oxygen-incorporated MoS<sub>2</sub>-x nanosheets with abundant undercoordinated Mo for efficient hydrogen evolution. *International Journal of Hydrogen Energy* 2020, 45, 19133-19143
5. He Xiao, Jingjuan Zhang, **Man Zhao\***, Jianchun Ma, Ya Li, Tianjun Hu, Zhanfeng Zheng, Jianfeng Jia\*\*, Haishun Wu. Electric field-assisted synthesis of Pt, carbon quantum dots-coloaded graphene hybrid for hydrogen evolution reaction. *Journal of Power Sources* 2020, 451, 227770
6. **Man Zhao**, Jingjuan Zhang, He Xiao\*, Tianjun Hu, Jianfeng Jia\*, Haishun Wu. Facile in situ synthesis of a carbon quantum dot/graphene heterostructure as an efficient metal-free electrocatalyst for overall water splitting. *Chemical Communications*, 2019, 55, 1635–1638.
7. He Xiao, Jingjuan Zhang, **Man Zhao\***, Tianjun Hu, Jianfeng Jia\*, Haishun Wu. Hydrogenated graphene as support of Pd nanoparticles with improved electrocatalytic activity for ethanol oxidation reaction in alkaline media. *Electrochimica Acta*, 2019, 297, 856–863
8. **Man Zhao\***, Xiaofang Ma, **He Xiao** Regulation of the degree of hydrogenation and electrochemical properties of graphene generated by electrochemical cathodic exfoliation by using different solvents. *Electrochemistry Communications*, 2019, 103, 77–82
9. He Xiao, **Man Zhao\***, Jingjuan Zhang, Xiaofang Ma, Jun Zhang, Tianjun Hu, Tao Tang, Jianfeng Jia\*, Haishun Wu. Electrochemical cathode exfoliation of bulky black phosphorus into few-layer phosphorene nanosheets. *Electrochemistry Communications*, 2018, 89, 10–13. (高被引)
10. **Man Zhao**, He Xiao\*, Shuai Chen, Tianjun Hu, Jianfeng Jia\* and Haishun Wu. Temperature-tuned ferromagnetism in hydrogenated multilayer graphene. *RSC Advances*, 2018, 8, 13148–13153.
11. **Man Zhao**, Xiang-Yun Guo\*, Oliver Ambacher, Christoph E. Nebel, René Hoffmann\*. Electrochemical generation of hydrogenated graphene flakes. *Carbon*, 2015, 83: 128-135.

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