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教育背景

2009.9-2015.6 天津大学 化工学院 工学博士

2005.9-2009.6 石河子大学 化学与化工学院 工学学士

工作经历

2020.11-至今 北京理工大学 化学与化工学院 助理教授

2017.10-2020.10 北京理工大学 材料学院 博士后

2015.9-2017.9 华南理工大学 化学与化工学院 博士后

研究方向: 能源小分子催化转化、光电催化 CO₂ 转化、团簇催化有机转化

承担项目

主持国家自然科学基金青年项目一项; 博士后科学基金特别资助项目一项; 博士后科学基金面上项目两项; 中央高校基本科研业务博士启动项目一项; 北京理工大学科研启动基金一项; 参与国家自然科学基金面上项目三项; 参与国家自然科学基金重点项目一项; 参与国家重点研发计划项目一项。

研究成果: 近年来, 在 *Angew. Chem. Int. Ed.*, *Adv. Funct. Mater.*, *Appl. Catal. B: Environ.*, *J. Mater. Chem. A*, *Nano Research*, *Small*, *Chem. Mater.* 等顶级期刊发表论文 24 篇。

代表性论文:

1. Junhao Zhang, Mo Zhang, **Yuanyuan Dong***, Congcong Bai, Yeqin Feng, Le Jiao, and Hongjin Lv*. CdTe/CdSe-sensitized photocathode coupling with Ni-substituted

- polyoxometalate catalyst for photoelectrochemical generation of hydrogen. *Nano Research*. **2021**. DOI: 10.1007 / s12274-021-3663-x. (IF=8.183)
2. **Yuanyuan Dong**, Kailin Li, Wenjia Luo, Cheng Zhu, Haoliang Guan, Hao Wang, Lanning Wang, Kailin Deng, Huanping Zhou, Haipeng Xie, Yang Bai, Yujing Li* and Qi Chen*. The Role of Surface Termination in Halide Perovskite for Efficient Photocatalytic Synthesis. *Angew. Chem. Int. Ed.* 2020, 59, 12931-12937. (IF=12.96)
 3. **Yuanyuan Dong**, Mengwei Zhou, Wenzhe Tu, Enbo Zhu, Ye Chen, Yizhou Zhao, Shijun Liao* Yu Huang, Qi Chen and Yujing Li*. Hollow Loofah-Like N, O-Co-Doped Carbon Tube for Electrocatalysis of Oxygen Reduction. *Adv. Funct. Mater.* **2019**, 1900015. (IF=16.84)
 4. **Yuanyuan Dong**#, Yizhou Zhao#, Siyu Zhang, Yi Dai, Lang Liu, Yujing Li* and Qi Chen*. Recent advances toward practical use of halide perovskite nanocrystals. *J. Mater. Chem. A*. **2018**, 6, 21729–21746. (IF=11.3)
 5. **Yuanyuan Dong**, Long Zheng, Yijie Deng, Lina Liu, Jianhuang Zeng, Xiuhua Li and Shijun Liao*. Enhancement of Oxygen Reduction Performance of Biomass-Derived Carbon through Co-Doping with Early Transition Metal. *J. Electrochem. Soc.* **2018**, 165(15), 3148-3156. (IF=3.7, TOP 期刊)
 6. **Yuanyuan Dong**, Yijie Deng, Jianhuang Zeng, Huiyu Song and Shijun Liao*. A high-performance Composite ORR Catalyst Based on the Synergy between Binary Transition Metal Nitride and Nitrogen-doped Reduced Graphene Oxide. *J. Mater. Chem. A*, **2017**, 5, 5829–5837. (IF=11.3)
 7. **Yuanyuan Dong**, Yongli Shen, Yujun Zhao Shengping Wang and Xinbin Ma*. Synergy between Pd and K Species for Efficient Activation of CO in the Synthesis of Dimethyl Carbonate. *ChemCatChem*. **2015**, 7, 2460–2466. (Front cover) (IF=4.85) 
 8. **Yuanyuan Dong**, Shengping Wang, Yujun Zhao and Xinbin Ma*. Alkaline-promoted Pd Species Catalyzed Vapor-phase Carbonylation of Methyl Nitrite to Dimethyl Carbonate. *Pap.-Am. Chem. Soc. Div. Energy Fuels*, **2014**. 3.16–3.20. (SCI 收录)
 9. **Yuanyuan Dong**, Shouying Huang, Shengping Wang, Yujun Zhao, Jinlong Gong and Xinbin Ma*. Synthesis of Dimethyl Carbonate through Vapor-phase Carbonylation Catalyzed by Pd-doped Zeolite: Interaction of Lewis Acidic Sites and Pd Species. *ChemCatChem*. **2013**, 5, 2174–2177. (IF=4.85)
 10. Le Jiao, **Yuanyuan Dong**, Xing Xin, Lin Qin, Hongjin Lv. Facile integration of Ni-substituted polyoxometalate catalysts into mesoporous light-responsive metal-organic framework for effective photogeneration of hydrogen. *Appl. Catal. B: Environ.*, **2021**, 291. (IF=16.683)
 11. Le Jiao, **Yuanyuan Dong**, Xing Xin, Ruijie Wang, Hongjin Lv*. Three-in-one: achieving a robust and effective hydrogen-evolving hybrid material by integrating polyoxometalate, a photo-responsive metal–organic framework, and in situ generated Pt nanoparticles. *J. Mater. Chem. A*, **2021**. DOI: 10.1039/D1TA02792A.