

华南理工大学化学与化工学院老师简介

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16.602)
7). Tingting Hou , Nengchao Luo, Yitao Cui, Lei Li, Katherine E MacArthur, Marc Heggen, Ruotian Chen, Fengtao Fan, Wenming Tian, Shengye Jin, Feng Wang. Selective Reduction of CO ₂ to CO under Visible Light by Controlling Coordination Structures of CeO _x -S/ZnIn ₂ S ₄ Hybrid Catalysts. <i>Appl. Catal. B</i> , 2019 , 245, 262–270. (JCR: Q1, IF: 16.683)
8). Tingting Hou , Nengchao Luo, Hongji Li, Marc Heggen, Jianmin Lu, Yehong Wang, Feng Wang. Yin and Yang Dual Characters of CuO _x Clusters for C–C Bond Oxidation Driven by Visible Light. <i>ACS Catal.</i> , 2017 , 7(6), 3850–3859. (JCR: Q1, IF: 12.35)
9). Tingting Hou , Yehong Wang, Jian Zhang, Mingrun Li, Jianmin Lu, Marc Heggen, Carsten Sievers, Feng Wang. Peculiar hydrogenation reactivity of Ni-Ni ^{δ+} clusters stabilized by ceria in reducing nitrobenzene to azoxybenzene. <i>J. Catal.</i> 2017 , (353), 107-115. (JCR: Q1, IF: 7.888)
10). Tingting Hou , Chaofeng Zhang, Yehong Wang, Zhenting Liu, Zhixin. Zhang, Feng Wang. Metal-free protocol for the synthesis of N -arylpyrrolidines catalyzed by hydrogen iodine. <i>Catal. Commun.</i> , 2017 , 94(5), 56-59. (JCR: Q2, IF: 3.674)
11). Yida Zhang, Tingting Hou (co-first author), Quan Xu, Qingyu Wang, Yu Bai, Shaokang Yang, Dewei Rao, Lihui Wu, Haibin Pan, Jiafu Chen, Gongming Wang, Junfa Zhu, Tao Yao, Xusheng Zheng. Dual-Metal Sites boosting Polarization of Nitrogen Molecules for Efficient Nitrogen Photofixation. <i>Adv. Sci.</i> 2021 , Accepted. (JCR: Q1, IF: 15.84)
12). Nengchao Luo, Tingting Hou , Shiyang Liu, Bin Zeng, Jianmin Lu, Jian Zhang, Hongji Li, Feng Wang. Photocatalytic coproduction of deoxybenzoin and H ₂ through tandem redox reactions. <i>ACS Catal.</i> , 2020 , 10(1), 762-769. (JCR: Q1, IF: 12.35)
13). Nengchao Luo, Tiziano Montini , Jian Zhang, Paolo Fornasiero , Emiliano Fonda, Tingting Hou , Wei Nie, Jianmin Lu, Junxue Liu, Marc Heggen, Long Lin, Changtong Ma, Min Wang, Fengtao Fan, Shengye Jin and Feng Wang. Visible-Light-Driven Coproducing Hydrogen and Diesel Precursors. <i>Nat. Energy</i> , 2019 , 4, 575-584. (JCR: Q1, IF: 46.495)
14). Nengchao Luo, Min Wang, Hongji Li, Jian Zhang, Tingting Hou , Haijun Chen, Xiaochen Zhang, Jianmin Lu, Feng Wang. VisibleLight-Driven Self-Hydrogen Transfer Hydrogenolysis of Lignin Models and Extracts into Phenolic Products. <i>ACS Catal.</i> , 2017 , (7), 4571-4580. (JCR: Q1, IF: 12.35)
15). Yehong Wang, Jian Zhang, Zhixin Zhang, Tingting Hou , Chaofeng Zhang, Jinghua An, Feng Wang. The in situ transformation of co-product formaldehyde in the reversible hydrolysis of 1,3-dioxane to get 1,3-propanediol efficiently. <i>Green Chem.</i> , 2018 , doi: 10.1039/C7GC03692B. (JCR: Q1, IF: 9.48)
16). Lirong Wang, Tingting Hou , Yue Xin, Wenkun Zhu, Shuyi Yu, Zicheng Xie,

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	Shuquan Liang, and Liangbing Wang, Large-Scale Synthesis of Porous Bi ₂ O ₃ with Oxygen Vacancies for Efficient Photodegradation of Methylene Blue. <i>Chinese J. Chem. Phys.</i> 2020 , DOI: 10.1063/1674-0068/cjcp2001009. 17. Zicheng Xie, Jie Zhang, Yu Xiao, Yangcenzi Xie, Wenkun Zhu, Shuyi Yu, Tingting Hou , Shuquan Liang, Liangbing Wang. Regulation of Active Oxygen Species by Grain Boundaries to Optimize Reaction Paths toward Aerobic Oxidations. <i>Energy & Environmental Materials</i> , 2020 , DOI: 10.1002/eem2.12123.			
	2. 发明专利 1). 王梁炳, 郭瑞涵, 侯婷婷, 一种氯氧化钐纳米片及其制备方法和应用, 2019. 7. 30, 中国, 201910692659.0 2). 王峰, 侯婷婷, 张超锋, 一种亚胺的合成方法, 2015.10.22, 中国, ZL201510685329.0 3). 王峰, 侯婷婷, 王业红, 一种光催化氧化裂解 β -羟基化合物 C-C 键制备醛类化合物的方法, 2016.11.14, 中国, ZL201610998396.2 4). 王峰, 侯婷婷, 王业红, 一种光催化氧化乙二醇制备甲醛的方法, 2016.11.14, 中国, 201610998419.X 5). 王峰, 侯婷婷, 罗能超, 一种光催化烃类氧化的方法, 2017.06.21, 中国, 201710474117.7. 6). 王峰, 侯婷婷, 罗能超, 张健, 一种光催化 CO ₂ 还原的方法, 2018.07.23, 中国, 201810811631.X 7). 王峰, 罗能超, 侯婷婷, 王敏, 一种光催化一步法制备联苄类化合物的方法, 2017.12.11, 中国, 201711306019.			
招生计划	招生专业	拟招生名额	联系方式	13187035097 houtt@scut.edu.cn
	应用化学、物理化学	1-2		