

汪快兵/副教授

院 系	化学系	性 别	男
出 生 年 月	1986.03	学 位	理学博士
学 历	博士研究生	毕 业 院 校	南京大学
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个人简介

汪快兵, 1986年03月生于安徽芜湖。主要从事微/纳米配合物粒子、配合物单晶材料(MOFs)、无机碳材料与氧化物材料及其复合材料的可控制备与生物性能研究及其在超级电容器、锂离子电池、电催化方面的应用研究, 目前课题组重点关注平面型配合物单晶材料与软模板合成的无机纳米材料及复合材料的能量存储性能。现主持中央高校科研业务费1项, 参加国家自然科学基金2项。迄今以第一作者及通讯作者在*ACS Applied Materials & Interfaces*, *Journal of Power Sources*, *Chemistry-A European Journal*, *Crystal Growth & Design*, *CrystEngComm*, *Chemical Engineering Journal*, *Dalton Transactions* 等在内的化学类期刊上发表SCI 论文22篇, 参与发表SCI论文20余篇, 期间担任*Nanoscale*、*CrystEngComm*、*ACS Sustainable Chemistry & Engineering* 等国际期刊的审稿人。

教学信息

主要承担《无机及分析化学》、《无机合成》与《实验化学 I》等课程

科研项目

1. 南京大学配位化学国家重点实验室开放基金, 3 万元, 时间 2015.2–2017.1, 主持
2. 中央高校科研业务费 (KYZ201540), 14 万元, 时间 2015.1–2017.12, 主持
3. 江苏省大学生创业实践计划项目, 5 万元, 时间 2018.5–2019.5, 主持

所获奖项

南京农业大学教师教学质量综合评价优秀 (2014)
理学院青年教师授课比赛二等奖 (2015)
指导本科生毕业论文获2015届校级优秀毕业论文二等奖 (2015)

发表文章

- [1] **Kuailing Wang**, Zikai Wang, Saier Wang, Yang Chu, Rui Xi, Xiaoyu Zhang, and Hua Wu*. Layered Cu^I-MOFs containing [Mo₈O₂₆]⁴⁻ clusters as supercapacitor electrode materials. *Chem. Eng. J.*, 2019, 367, 239-248. (IF₂₀₁₈ = 6.735)

- [2] **Kuaibing Wang**, Zikai Wang, Xin Wang, Xueqin Zhou, Yuehong Tao, and Hua Wu*. Flexible long-chain-linker constructed Ni-based metal-organic frameworks with 1D helical channel and their pseudo-capacitor behavior studies. *J. Power Sources*, 2018, 377, 44-51. (IF₂₀₁₈ = 6.945)
- [3] **Kuaibing Wang**, Xiaoran Cao, Saier Wang, Wenjia Zhao, Jiangyan Xu, Zikai Wang, and Hua Wu*. Interpenetrated and polythreaded CoII-organic framework as a supercapacitor electrode material with ultrahigh capacity and excellent energy delivery efficiency. *ACS Appl. Mater. Interfaces*, 2018, 10, 9104-9115. (IF₂₀₁₈ = 8.097)
- [4] **Kuaibing Wang**, Lei Guo, Qianqian Wei, Huijian Wang, Aimin Lu, Mingbo Zheng, and Bo Lv*. Cu²⁺-Induced length change of Ni-based coordination polymer nanorods and research on NiO-based hybrid pseudocapacitor electrodes. *New J. Chem.*, 2018, 42, 9876-9885. (IF₂₀₁₈ = 3.201)
- [5] **Kuaibing Wang***, Xurong Yi, Xufei Luo, Ying Shi, and Jiangyan Xu. Fabrication of Co₃O₄ pseudocapacitor electrodes from nanoscale cobalt-organic frameworks. *Polyhedron*, 2016, 109, 26-32. (IF₂₀₁₆ = 2.106)
- [6] **Kuaibing Wang***, Bing Jin, Aimin Lu, Xuefei Luo, and Ying Shi. Porous nickel oxide pseudo-capacitive materials fabricated by Ni-Schiff base nanostructures template. *Polyhedron*, 2016, 117, 117-125. (IF₂₀₁₆ = 2.106)
- [7] **Kuaibing Wang***, Jiangyan Xu, Aimin Lu, Ying Shi and Zixia Lin. Coordination polymer template synthesis of hierarchical MnCo₂O_{4.5} and MnNi₆O₈ nanoparticles for electrochemical capacitors electrode. *Solid State Sci.*, 2016, 58, 70-79. (IF₂₀₁₆ = 2.041)
- [8] **Kuaibing Wang***, Zhiyang Zhang, Xiaobo Shi, Hongju Wang, Yanan Lu, and Xiaoyan Ma. Soft-template-synthesis of hollow CuO/Co₃O₄ composites for pseudo-capacitive electrode: A synergetic effect on electrochemical performance. *J. Solid State Chem.*, 2016, 244, 75-83. (IF₂₀₁₆ = 2.265)
- [9] **Kuaibing Wang***, Zhiyang Zhang, Xiaobo Shi, Hongju Wang, Yanan Lu, and Xiaoyan Ma. Temperature-dependent self-assembly of NiO/Co₃O₄ composites for supercapacitor electrodes with good cycling performance: from nanoparticles to nanorod arrays. *RSC Adv.*, 2015, 5(3), 1943–1948. (IF₂₀₁₅ = 3.84)

- [10] **Kuaibing Wang***, Xiaobo Shi, Aiming Lu, Xiaoyan Ma, Zhiyang Zhang, Yanan Lu, and Hongju Wang. High nitrogen-doped carbon/Mn₃O₄ hybrids synthesized from nitrogen-rich coordination polymer particles as supercapacitor electrodes. *Dalton. Trans.*, 2015, 44(1), 151–157. (IF₂₀₁₅ = 4.197)
- [11] **Kuaibing Wang***, Mingbo Zheng, Xiaobo Shi, Zixia Lin, Hongju Wang, and Yanan Lu, Glucose-ethanol-assisted synthesis of amorphous CoO@C core-shell composites for electrochemical capacitors electrode. *Chem. Eng. J.* 2015, 266, 141–147. (IF₂₀₁₅ = 4.321)
- [12] Zihui Xu, Bo Lv, Xiaobo Shi, Lixian Chen, and **Kuaibing Wang***, Chemical transformation of hollow coordination polymer particles to Co₃O₄ nanostructures and their pseudo-capacitive behaviors. *Inorg. Chim. Acta*, 2015, 427, 266–272. (IF₂₀₁₅ = 2.046)
- [13] **Kuaibing Wang***, Xiaobo Shi, Zhiyang Zhang, Xiaoyan Ma, Yanan Lu, and Hongju Wang. Size-dependent capacitance of NiO nanoparticles synthesized from Ni-based coordination polymer precursors with different crystallinity. *J. Alloy. Compd.*, 2015, 632, 361–367. (IF₂₀₁₅ = 3.014)
- [14] Bo Lv, Xiaobo Shi, Xiaoyan Ma, Zhiyang Zhang, and **Kuaibing Wang***. Controllable fabrication of multifunctional 1D Ag-based coordination polymer@PVP nanowires. *New. J. Chem.*, 2015, 39 (1), 349–354. (IF₂₀₁₅ = 3.086)
- [15] **Kuaibing Wang**, Xiaoyan Ma, Zhiyang Zhang, Mingbo Zheng, Zhirong Geng, and Zhilin Wang*. Indirect transformation of coordination-polymer particles into magnetic carbon-coated Mn₃O₄ (Mn₃O₄@C) nanowires for supercapacitor electrodes with good cycling performance. *Chem. Eur. J.*, 2013, 19(22), 7084–7089. (IF₂₀₁₃ = 5.831)
- [16] **Kuaibing Wang**, Zhirong Geng, Mingbo Zheng, Luyao, Ma, Xiaoyan Ma, and Zhilin Wang*. Controllable fabrication of coordination polymer particles (CPPs): a bridge between versatile organic building blocks and porous copper-based inorganic materials. *Cryst. Growth Des.*, 2012, 12(11), 5606–5414.
- [17] **Kuaibing Wang**, Xiaoyan Ma, Dalin Shao, Zhirong Geng, Zhiyang Zhang, and Zhilin Wang*. Coordination-induced assembly of coordination polymer submicrospheres: promising antibacterial and in vitro anticancer activities. *Cryst. Growth Des.*, 2012, 12(7), 3786–3791.

- [18] **Kuaibing Wang**, Yuxin Yin, Chengying Li, Zhirong Geng, and Zhilin Wang*. Facile synthesis of zinc(II)-carboxylate coordination polymer particles and their luminescent, biocompatible and antibacterial properties. *CrystEngComm*, 2011, 13(20), 6231–6236.
- [19] **Kuaibing Wang**, Zhirong Geng, Yuxin Yin, Xiaoyan Ma, and Zhilin Wang*. Morphology effect on the luminescent property and antibacterial activity of coordination polymer particles with identical crystal structures. *CrystEngComm*, 2011, 13(16), 5100–5104.