

<u>基本信息</u>	
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职务	
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<u>教育背景</u>	
2004.09-2008.06	北京航空航天大学，微纳米材料与技术专业，工学博士
2001.09-2004.03	北京理工大学，物理化学专业，理学硕士
1995.09-1999.07	北京理工大学，化学工程与工艺专业，工学学士
<u>工作经历</u>	
2017.06-至今	北京理工大学化学与化工学院，副教授
2008.07-2017.06	北京理工大学化工与环境学院，讲师
2012.12-2013.06	美国劳伦斯伯克利国家实验室，访问学者
2012.01-2012.11	美国加州大学戴维斯分校，访问学者
1999.09-2001.07	中青集团,行政助理
<u>研究方向</u>	
1.	纳米材料与应用
2.	新能源材料与应用
<u>承担项目</u>	
1.	基于大电流电解水制氢双功能催化剂的微纳结构设计及界面调控工程 国家自然科学基金资助项目（52072034），2021.01- 2024.12，58 万元， 主持
2.	科贝源（北京）生物科技有限公司，企业横向项目（201921041015），

	基于无模板法制备金属框架材料封装生物酶检测伴刀豆球蛋白 A 的技术开发, 2019.11-2022.10, 20 万元, 主持
3.	科贝源(北京)生物科技有限公司, 企业横向项目(201821041015), 基于葡萄糖功能化的 NiCo ₂ S ₄ 为信号探针构建的超灵敏电致化学发光生物传感器检测伴刀豆球蛋白 A 的技术开发, 2018.07-2021.09, 20 万元, 主持
4.	科贝源(北京)生物科技有限公司, 企业横向项目(20161041017), 无酶葡萄糖电化学传感器材料纳米 CuO 的技术开发, 2016.06-2018.09, 20 万元, 主持
5.	科贝源(北京)生物科技有限公司, 企业横向项目, (20151041018), 纳米 CuS 光热治疗剂新材料的技术开发项目, 2015.05-2016.05, 20 万元, 主持
6.	国家自然科学基金委员会, 面上项目, (21376029,) 原位催化制备碳纳米管/介孔中空铁氧体复合电磁屏蔽材料, 2014.01-2017.12, 80 万元, 参加

研究成果

主持国家自然科学基金项目 1 项、承担企业合作项目 4 项; 参与国家自然科学基金项目 1 项。迄今在国内外学术刊物及会议上发表学术论文 30 余篇, 其中 SCI 收录 30 余篇, 获授权专利 1 项。

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| 1. | 冯彩虹, 冯雪廷, 矫庆泽, 赵芸. 一种亚微米级 NiCo ₂ S ₄ 空心球的制备方法, 中国, 2020-08-14, CN201810028796.X (专利) |
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代表性论文

1.	Dan Zhao, Mengmeng Yin, Caihong Feng ,* Kun Zhan, Qingze Jiao, Hansheng Li, and Yun Zhao, Rational Design of N-Doped CuS@C Nanowires toward High Performance Half/Full Sodium-Ion Batteries, ACS Sustainable Chem. Eng. 2020, 8: 11317–11327
2.	Qun Li, Qingze Jiao, Hansheng Li, Wei Zhou, Xueting Feng, Bao Qiu, Quan Shi, Yang Zheng, Yun Zhao, Caihong Feng ,* In-situ preparation of multi-layered sandwich-like CuCo ₂ S ₄ /rGO architectures as anode material for high-performance lithium and sodium ion batteries, J Alloys and Compounds, 2020, 845: 156183
3.	Mengmeng Yin, Dan Zhao, Caihong Feng *, Wei Zhou, Qingze Jiao*,

	Xueting Feng, Shanshan Wang, Yun Zhao, Hansheng Li, and Tongying Feng. Construction of Porous Co ₉ S ₈ Hollow Boxes with Double Open Ends toward High-Performance Half/Full Sodium-Ion Batteries. ACS Sustainable Chem. Eng. 2020, 8, 6305-6314
4.	Kun Zhan, Caihong Feng ,* Xueting Feng, Dan Zhao, Song Yue, Yongjian Li, Qingze Jiao, Hansheng Li, and Yun Zhao. Iron-Doped Nickel Cobalt Phosphide Nanoarrays with Urchin-like Structures as High-Performance Electrocatalysts for Oxygen Evolution Reaction. ACS Sustainable Chem. Eng. 2020, 8, 6273-6281
5.	Xueting Feng, Qingze Jiao, Qun Li, Quan Shi, Zheng Dai, Yun Zhao, Hansheng Li, Caihong Feng *, Wei Zhou*, Tongying Feng, NiCo ₂ S ₄ spheres grown on N,S co-doped rGO with high sulfur vacancies as superior oxygen bifunctional electrocatalysts, Electrochimica Acta 2020, 331: 135356
6.	Mengmeng Yin, Xueting Feng, Dan Zhao, Yun Zhao, Hansheng Li, Wei Zhou, Hongbo Liu, Xiaoping Bai, Hongxia Wang, Caihong Feng *, Qingze Jiao,* Hierarchical Co ₉ S ₈ @carbon hollow microspheres as an anode for sodium ion batteries with ultra long cycling stability, ACS Sustainable Chemistry & Engineering, 2019, 7: 6122-6130
7.	Qun Li, Qingze Jiao, Xueting Feng, Yun Zhao, Hansheng Li, Caihong Feng *, Daxin Shi,* Hongbo Liu, Hongxia Wang, Xiaoping Bai, One-pot Synthesis of CuCo ₂ S ₄ Sub-microspheres for High performance Lithium/Sodium Ion Batteries, ChemElectroChem, 2019, 6(5): 1558-1566
8.	Xueting Feng, Qingze Jiao, Tong Liu, Qun Li, Mengmeng Yin, Yun Zhao, Hansheng Li, Caihong Feng *, Wei Zhou*, Facile Synthesis of Co ₉ S ₈ Hollow Spheres as a High-Performance Electrocatalyst for the Oxygen

	Evolution Reaction, ACS Sustainable Chemistry Engineering, 2018, 6(2): 1863-1871
9.	Feng Xueting, Jiao Qingze, Cui Huiru, Yin Mengmeng, Li Qun, Zhao Yun, Li Hansheng, Zhou Wei, Caihong Feng ,* One-Pot Synthesis of NiCo ₂ S ₄ Hollow Spheres via Sequential Ion Exchange as an Enhanced Oxygen Bifunctional Electrocatalyst in Alkaline Solution, ACS Applied Materials & Interfaces, 2018, 10(35): 29521-29531
10.	Caihong Feng , Le Zhang, Zhihui Wang, Xiangyun Song, Kening Sun, Feng Wu, Gao Liu,* Synthesis of copper sulfide nanowire bundles in a mixed solvent as a cathode material for lithium-ion batteries, Journal of power source, 2014, 269: 550-555
11.	Caihong Feng , Le Zhang, Menghuan Yang, Xiangyun Song, Zhe Ji, Kening Sun*, Gao Liu*, One-Pot Synthesis of Copper Sulfide Nanowires/Reduced Graphene Oxide Nanocomposites with Excellent Lithium-Storage Properties as Anode Materials for Lithium-Ion Batteries, ACS Applied Materials & Interfaces, 2015, 7:15726-15734
12.	Caihong Feng , Xianpu Meng, Xiaolu Song, Xueting Feng, Yun Zhao*, Gao Liu*, Controllable synthesis of hierarchical CuS/ZnS hetero-nanowires as high-performance visible-light photocatalysts, RSC Advance, 2016, 6: 110266-110273
13.	Song Yue, Shanshan Wang, Qingze Jiao, Xueting Feng, Kun Zhan, Yiqing Dai, Caihong Feng , Hansheng Li, Tongying Feng, and Yun Zhao*, Preparation of Yolk–Shell-Structured Co _x Fe _{1-x} P with Enhanced OER Performance, ChemSusChem 2019, 12, 4461–4470.
14.	Xiang Ni, Zhuangzhang He, Xi Liu, Qingze Jiao, Hansheng Li, Caihong

	Feng, Yun Zhao,* Ionic liquid-assisted solvothermal synthesis of hollow CoFe ₂ O ₄ microspheres and their absorbing performances, <i>Materials Letters</i> , 2017, 193: 232-235
15.	Yuanpei Li, Tzu-yin Lin, Yan Luo, Qiangqiang Liu, Wenwu Xiao, Wenchang Guo, Diana Lac, Hongyong Zhang, Caihong Feng , Sebastian Wachsmann-Hogiu, Jeffrey H. Walton, Simon R. Cherry, Douglas J. Rowland, David Kukis, Chongxian Pan, Kit S. Lam, A smart and versatile theranostic nanomedicine platform based on nanoporphyrin, <i>Nature Communications</i> , 2014, 5: 4712
16.	Caihong Feng , Lin Guo, Shihe Yang, Direct Solution Synthesis of Pd Nanowire Networks and their application in surface-Enhanced Raman Scattering(SERS), <i>Nanotechnology</i> , 2008, 19(30): 305601.
17.	Caihong Feng , Lin Guo, Synthesis of Short Ordered Palladium Nanoparticles Chain and Its Application in Catalysis, <i>Solid State Sciences</i> , 2008, 10(10):1327-1332
18.	Caihong Feng , Qingze Jiao, Qianshu Li, Preparation of PES-SiO ₂ Hybrids through Sol-gel Method, <i>Chemical Journal of Chinese Universities</i> , 2004, 25(9): 1743-1746
19.	Meimei Gao, Yun Zhao*, Shanshan Wang, Yingchun Xu, Caihong Feng , Daxin Shi and Qingze Jiao*. Preparation of pod-like 3D Ni _{0.33} Co _{0.67} Fe ₂ O ₄ @rGO composites and their microwave absorbing properties, <i>Ceramics International</i> , 2019, 45: 7188-7195
20.	Shanshan Wang, Yun Zhao,* Meimei Gao, Haoliang Xue, Yingchun Xu, Caihong Feng , Daxin Shi, Kaihui Liu, and Qingze Jiao*. Green Synthesis of Porous Cocoon-like rGO for Enhanced Microwave-Absorbing Performances, <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42865-42874

21.	Haoliang Xue, Jie Wang, Shanshan Wang, Sohail Muhammad, Caihong Feng , Qin Wu, Hansheng Li, Daxin Shi, Qingze Jiao* and Yun Zhao*. Core-shell MoS ₂ @graphene composite microspheres as stable anodes for Li-ion batteries, New Journal of Chemistry, 2018, 42, 15340-15345
22.	Shanshan Wang, Yun Zhao*, Haoliang Xue, Junrui Xie, Caihong Feng , Hansheng Li, Daxin Shi, Sohail Muhammad, Qingze Jiao*. Preparation of flower-like CoFe ₂ O ₄ @graphene composites and their microwave absorbing properties, Materials Letters, 2018, 223: 186-189
23.	Muhammad Sohail, Haoliang Xue, Qingze Jiao, Hansheng Li, Khakemin Khanc, Shanshan Wang, Caihong Feng , Yun Zhao*. Synthesis of well-dispersed TiO ₂ /CNTs@CoFe ₂ O ₄ nanocomposites and their photocatalytic properties. Materials Research Bulletin, 2018, 101:83-89