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乜广弟

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基本资料: 乜广弟, 女, 1989年生, 河北衡水人。理学博士, 副教授, 硕士生导师, 入选青岛大学特聘教授(第四层次)。

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工作经历(教育背景):

2008年9月-2012年6月, 吉林大学化学学院, 高分子材料与工程, 本科

2012年9月-2017年6月, 吉林大学化学学院, 高分子化学与物理, 博士

2017年9月-至今, 青岛大学纺织服装学院轻化工程系, 副教授

2017年11月-至今, 青岛大学材料科学与工程学院, 博士后

科研项目:

主持吉林大学研究生创新计划项目1项, 主持中国博士后科学基金面上资助一等资助项目1项, 参与国家自然科学基金面上项目4项。

研究方向(研究兴趣):

主要从事静电纺纳米纤维材料在能源存储与催化领域的应用研究, 围绕碳纳米纤维、过渡金属氧化物、导电聚合物等展开, 涉及低维纳米结构的可控构筑与超级电容器及类酶催化性能表征。

近5年代表性成果:

目前, 已发表SCI学术论文40余篇, 其中, 第一作者论文14篇; 申请并授权发明专利2项; 合著英文书籍1部。

学术专著:

[1]Guangdi Nie, Xiaofeng Lu*, Ce Wang*, Advanced Nanofibrous Materials Manufacture Technology based on Electrospinning (Chapter 1. Introduction to electrospinning technology), CRC Press-Taylor & Francis Group,2019.

学术论文:

[1]Guangdi Nie*, Yun Zhu, Di Tian, Ce Wang*, Research progress in the electrospun nanofiber-based supercapacitor electrode materials, Chemical Journal of Chinese Universities-Chinese,2018, 39(7): 1349-1363.(IF=0.695)

[2]Guangdi Nie, Xiaofeng Lu*, Maoqiang Chi, Mu Gao, Ce Wang*, General synthesis of hierarchical C/MO_x@MnO₂ (M = Mn, Cu, Co) composite nanofibers for high-performance supercapacitor electrodes, Journal of Colloid and Interface Science,2018, 509: 235-244. (IF=5.091)

- [3]**Guangdi Nie**, Xiaofeng Lu*, Maoqiang Chi, Yun Zhu, Zezhou Yang, Na Song, Ce Wang*, Hierarchical α -Fe₂O₃@MnO₂ core-shell nanotubes as electrode materials for high-performance supercapacitors, *Electrochimica Acta*, **2017**, 231: 36-43. **(IF=5.116)**
- [4]**Guangdi Nie**, Xiaofeng Lu*, Yun Zhu, Maoqiang Chi, Mu Gao, Sihui Chen, Ce Wang*, Reactive template synthesis of inorganic/organic VO₂@polyaniline coaxial nanobelts for high-performance supercapacitors, *ChemElectroChem*, **2017**, 4(5): 1095-1100. **(IF=4.446)**
- [5]**Guangdi Nie**, Xiaofeng Lu*, Wei Wang, Maoqiang Chi, Yanzhou Jiang, Ce Wang*, One-dimensional polyaniline thorn/BiOCl chip heterostructures: self-sacrificial template-induced synthesis and electrochemical performance, *Materials Chemistry Frontiers*, **2017**, 1(5): 859-866.
- [6]**Guangdi Nie**, Xiaofeng Lu*, Maoqiang Chi, Yanzhou Jiang, Ce Wang*, CoO_x nanoparticles embedded in porous graphite carbon nanofibers derived from electrospun polyacrylonitrile@polypyrrole core-shell nanostructures for high-performance supercapacitors, *RSC Advances*, **2016**, 6(60): 54693-54701. **(IF=2.936)**
- [7]**Guangdi Nie**, Xiaofeng Lu*, Junyu Lei, Liu Yang, Ce Wang*, Facile and controlled synthesis of bismuth sulfide nanorods-reduced graphene oxide composites with enhanced supercapacitor performance, *Electrochimica Acta*, **2015**, 154: 24-30. **(IF=5.116)**
- [8]**Guangdi Nie**, Xiaofeng Lu*, Junyu Lei, Ce Wang*, Seed-assisted synthesis of hierarchical manganese dioxide/carbonaceous sphere composites with enhanced supercapacitor performance, *Electrochimica Acta*, **2015**, 180: 1033-1040. **(IF=5.116)**
- [9]**Guangdi Nie**, Xiaofeng Lu*, Junyu Lei, Ziqiao Jiang, Ce Wang*, Electrospun V₂O₅-doped α -Fe₂O₃ composite nanotubes with tunable ferromagnetism for high-performance supercapacitor electrodes, *Journal of Materials Chemistry A*, **2014**, 2(37): 15495-15501. **(IF=9.931)**
- [10]**Guangdi Nie**, Liang Zhang, Junyu Lei, Liu Yang, Zhen Zhang, Xiaofeng Lu*, Ce Wang*, Monocrystalline VO₂ (B) nanobelts: large-scale synthesis, intrinsic peroxidase-like activity and application in biosensing, *Journal of Materials Chemistry A*, **2014**, 2(9): 2910-2914. **(IF=9.931)**
- [11]**Guangdi Nie**, Xiaofeng Lu*, Junyu Lei, Liu Yang, Xiujie Bian, Yan Tong, Ce Wang*, Sacrificial template-assisted fabrication of palladium hollow nanocubes and their application in electrochemical detection toward hydrogen peroxide, *Electrochimica Acta*, **2013**, 99: 145-151. **(IF=5.116)**
- [12]**Guangdi Nie**, Liang Zhang, Xiaofeng Lu*, Xiujie Bian, Weining Sun, Ce Wang*, A one-pot and in situ synthesis of CuS-graphene nanosheet composites with enhanced peroxidase-like catalytic activity, *Dalton Transactions*, **2013**, 42(38): 14006-14013. **(IF=4.099)**
- [13]**Guangdi Nie**, Zhicheng Li, Xiaofeng Lu*, Junyu Lei, Chengcheng Zhang, Ce Wang*, Fabrication of polyacrylonitrile/CuS composite nanofibers and their recycled application in catalysis for dye degradation, *Applied Surface Science*, **2013**, 284: 595-600. **(IF=4.439)**
- [14]**Guangdi Nie**, Shangkun Li, Xiaofeng Lu*, Ce Wang*, Progress on applications of inorganic nanofibers synthesized by electrospinning technique, *Chemical Journal of Chinese Universities-Chinese*, **2013**, 34(1): 15-29. **(IF=0.695)**

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