



所属学院 化工学院

学科领域 化学工程与技术

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个人简介

2003年毕业于中国科学院山西煤炭化学研究所，获博士学位；

2003年~至今，任职于华东理工大学；2011-2012年：到美国 Rice University 做访问学者。同时担任“江南石墨烯研究院”学会委员会委员、“上海浦东新区科技发展基金”专家。主要从事碳质功能材料的结构控制及其在新能源、环境、医药、电子、军工等领域中的应用基础研究。共承担国家自然科学基金2项、国家863重点项目子课题1项、校企合作项目10项；参与国家自然科学基金重点项目2项、上海市重大基础项目2项、国家科技计划支撑项目2项。目前，在 Advanced materials 等国内外核心期刊发表学术论文65篇，其中SCI论文46篇

研究方向

碳质功能材料的结构控制及其在新能源、环境、医药、电子、军工等领域中的应用基础研究。

研究成果及主要发表文章

- [1] Shubin Yang, Liang Zhan*, Xiaoyue Xu, Yanli Wang, Licheng Ling and Xinliang Feng. Graphene-based porous silica sheets impregnated with polyethyleneimine for superior CO₂ capture. Advanced materials, 2013, 25(15), 2130-2134.
- [2] Liang Zhan*, Shubin Yang, Yun Wang, Yanli Wang, Licheng Ling, Xinliang Feng. Fabrication of fully fluorinated graphene nanosheets towards high performance lithium storage. Advanced materials interface. 2014, DOI: 10.1002/admi.201300149.
- [3] Shubin Yang, Yongji Gong, Zheng Liu, Liang Zhan, Daniel P. Hashim, Lulu Ma, Robert Vajtai, and Pulickel M. Ajayan. Bottom-up approach toward single-crystalline VO₂-graphene ribbons as cathodes for ultrafast lithium storage. Nano Letters. 2013, 13, 1596-1601.
- [4] Yongji Gong, Shubin Yang, Liang Zhan, Lulu Ma, Robert Vajtai, Pulickel M. Ajayan. A Bottom-up approach to build 3D architectures from nanosheets for superior lithium storage. Advanced Functional Materials. 2014, 24, 125-130.
- [5] Shubin Yang, Yongji Gong, Jinshui Zhang, Liang Zhan, Lulu Ma, Zheyu Fang, Robert Vajtai, Xinchun Wang, Pulickel M. Ajayan. Exfoliated graphitic carbon nitride nanosheets as efficient catalysts for hydrogen evolution under visible light. Advanced materials. 2013, 25, 2452-2456.
- [6] Honggui Deng, Shuangling Jin, Liang Zhan*, Yanli Wang, Wenming Qiao, Licheng Ling. Synthesis of cage-like LiFePO₄/C microspheres for high performance lithium ion batteries. Journal of power sources. 2012, 220: 342-347.
- [7] Liang Zhan*, Yanli Wang, Wenming Qiao, Licheng Ling, Shubin Yang. Hollow carbon spheres with encapsulation of Co₃O₄ nanoparticles as anode material for lithium ion batteries. Electrochimica Acta. 2012, 78: 440-445.
- [8] Honggui Deng, Shuangling Jin, Liang Zhan*, Wenming Qiao, Licheng Ling. Nest-like LiFePO₄/C Architectures for High Performance Lithium Ion Batteries. Electrochimica Acta. 2012, 78: 633-637.
- [9] Song Gyun Ri, Liang Zhan*, Yun Wang, Lihui Zhou, Jun Hu, Honglai Liu. Li₄Ti₅O₁₂/graphene nanostructure for lithium storage with high-rate performance. Electrochimica Acta. 2013, 109: 389-394.
- [10] Ximiao Liu, Li Juan, Liang Zhan*, Li Tang, Yanli Wang, Wenming Qiao, Xiaoyi Liang, Licheng Ling. Effect of conductive filler on the impedance behaviors of activated carbon based electric double layer capacitors. Journal of Electroanalytical Chemistry. 2010, 642(1): 75-81.
- [11] Juan Li, Can Wang, Liang Zhan*, Wenming Qiao, Xiaoyi Liang, Licheng Ling. Carbon foams prepared by supercritical foaming method. Carbon. 2009, 47(4): 1204-1206.
- [12] Zhinan Wang, Liang Zhan*, Ming Ge, Fei Xie, Yanli Wang*, Wenming Qiao, Xiaoyi Liang, Licheng Ling. Pith based spherical activated carbon for CO₂ removal from flue gases. Chemical Engineering Science. 2011, 66(22): 5504-5511.
- [13] Yanli Wang*, Chuan Zhang Ge, Liang Zhan*, Cui Li, Wenming Qiao and Licheng Ling. MnO_x-CeO₂/Activated Carbon Honeycomb Catalyst for Selective Catalytic Reduction of NO with NH₃ at Low Temperatures. Industry & engineering chemical research. 2012, 51 (36), 11667-11673.