



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

教育背景:

1998.3 – 2001.1 德国卡尔斯鲁厄大学高分子研究所，博士；

1989.9 – 1992.7 四川大学高分子材料系，硕士；

1984.9 – 1989.7 清华大学化工系，本科。

工作经历:

2006.8 – 至今华东理工大学化工学院教授；

2014.1 – 至今兼任石河子大学化学与化工学院教授，新疆维吾尔自治区材料化工重点实验室主任，新疆生产建设兵团材料化工工程中心主任；

2005.12 – 2006.8 美国普林斯顿大学化工系，专职研究人员 (Research Staff Member)；

2002.12 – 2005.11 美国普林斯顿大学化工系，博士后；

2001.8 – 2002.11 美国普度大学（印第安纳波利斯校园）化学系，博士后；

2001.2 – 2002.7 德国卡尔斯鲁厄大学化学系，博士后；

1994.12 – 1998.3 四川大学高分子材料系，讲师；

1992.7 – 1994.11 四川大学高分子材料系，助教。

研究方向

功能高分子材料、能源化工、材料化工。

研究成果及主要发表文章

1. Weina Wang, Yisheng Xu, Sebastian Backes, Ang Li, Samantha Micciulla, A. Basak Kayitmazer, Li Li, Xuhong Guo and Regine von Klitzing. Construction of compact polyelectrolyte multilayers inspired by marin mussel: Effects of salt concentration and pH as observed by QCM-D and AFM. *Langmuir* 2016, 32(14), 3365-3374.
2. Jun Xu, Hejian Jiang, Tao Li, Xiaoming Wei, Tongshuai Wang, Jing Huang, Wein Wang, Anthony L. Smith, Jie Wang, Rui Zhang, Yisheng Xu, Li Li, Robert K. Prud'homme, Xuhong Guo, Effect of Comb-type Copolymers with Various Pendants on Flow Ability of Heavy Crude Oil, *Ind Eng Chem Res* 2015, 54(19), 5204-5212.
3. Yu Cang, Rui Zhang, Guixin Shi, Jianchao Zhang, Lixiao Liu, Xiaoyan Hou, Zhenchuan Yu, Dingye Fang, Xuhong Guo, Immobilized CdS quantum dots in spherical polyelectrolyte brushes: fabrication, characterization and optical properties, *J Mater Chem C* 2015, 3(15), 3745-3751.
4. Mi Wang, Yanfeng Gao, Chuanxiang Cao, Kaimin Chen, Yicun Wen, Dingye Fang, Li Li, Xuhong Guo, Binary solvent colloids of thermosensitive poly(N-isopropylacrylamide) microgel for smart window, *Ind Eng Chem Res* 2014, 53(48), 18462-18472.
5. Jianjia Liu, Jie Wang, Zhongming Zhu, Li Li, Xuhong Guo, Stephen F. Lincoln, Robert K. Prud'homme, Cooperative catalytic activity of alpha-cyclodextrin and Ag nanoparticles immobilized on spherical polyelectrolyte brushes, *AIChE J* 2014, 60(6), 1977-1982.
6. Siyi Wang, Kaimin Chen, Yisheng Xu, Xuanjie Yu, Weihua Wang, Li Li, and Xuhong Guo, Protein immobilization and separation by anionic/cationic spherical polyelectrolyte brushes based on charge anisotropy. *Soft Matter* 2013, 9(47), 11276-11287.
7. Shuang Wu, Joachim Dzubiella, Julian Kaiser, Markus Drechsler, Xuhong Guo, Matthias Ballauff, Yan Lu, Thermosensitive Au-PNIPAA yolk-shell nanoparticles with tunable selectivity for catalysis. *Angew Chem Int Edit* 2012, 51(9), 2229-2233.
8. Li Li, Jun Xu, Jack Tinsley, Douglas H. Adamson, Brian A. Pethica, John S. Huang, Robert K. Prud'homme and Xuhong Guo, Improvement of oil flowability by assembly of comb-type copolymers with paraffin and asphaltene. *AIChE J* 2012 58(7), 2254-2261.
9. Kaimin Chen, Yan Zhu, Yifei Zhang, Li Li, Yan Lu, and Xuhong Guo, Synthesis of Magnetic Spherical Polyelectrolyte Brushes. *Macromolecules* 2011, 44(3), 632-639.
10. Xuhong Guo, Jie Wang, Li Li, Duc-Truc Pham, Stephen F. Lincoln*, Bruce L. May, Qingchuan Chen, Li Zheng, Robert K. Prud'homme and Christopher J. Easton, Tunable polymeric hydrogels assembled by competitive complexation between cyclodextrin dimers and adamantyl substituted poly (acrylic acid). *AIChE J* 2010, 56(11), 3021-3024.