基本信息

姓　　名	李 昕
职　　称	副教授
学术兼职	担任 Journal of Membrane Science、Journal of power sources、Journal of colloid and interface science、Applied Surface Science 等国际期刊审稿人
联系电话	18611769399
电子邮件	klkxlx@163.com
系/研究所	化学工程系/化学电源与绿色催化研究所

教育背景

2001.03-2004.03	天津大学，化学工程专业，工学博士
2004.04-2005.12	清华大学，化学工程系，博士后
2013.10-2014.10	哈佛大学，访问学者

工作履历

2016.09-至今	北京理工大学化学与化工学院，副教授
2005.12-2016.9	北京理工大学化工与环境学院，副教授

研究方向

1.	能源与环境材料
2.	新能源材料与器件
3.	高性能纳米复合材料
4.	分子与材料模拟

荣誉奖励

1.	北京理工大学化工与环境学院青年教师教学基本功比赛 一等奖
2.	京理工大学第七届青年教师教学基本功比赛 二等奖
3.	

承担项目	
1.	二维过渡金属碳化物复合材料的抗氧化制备及性能研究，（北京市基金面上项目，项目负责人）
2.	3D 石墨烯/MXene 复合材料的抗氧化制备及其储能性能研究，（中白合作项目，项目负责人）
3.	超级电容器用高性能石墨烯-金属氧化物复合电极材料制备与性能优化，（中台校际合作项目，项目负责人）
4.	石墨烯基超级电容器双电层特性分析，（校际合作项目，项目负责人）
5.	改性石墨烯量子电容计算与分析，（校际合作项目，项目负责人）
6.	全钒液流电池膜电极过程及电化学界面的研究，（科研基地科技支撑计划，项目负责人）
7.	膜蒸馏过程传热传质强化的场协同研究，（国家自然科学基金项目，项目负责人）
8.	膜分离过程中孔内现象的数学模拟，（国家自然科学基金中俄基金项目，项目负责人）
9.	用于水处理的新型旋转膜组件技术的研究，（北京理工大学优青资助计划项目，项目负责人）
10.	基于 C5-C12 高性能燃料技术的合作研究，（科技部国际合作项目，项目参与人）
代表性论文	
1.	Xu, Lingrui , Xiangyang Li , and Xin Li* .Large-sized and ultrathin biomass-derived hierarchically porous carbon nanosheets prepared by a facile way for high-performance supercapacitors. Applied Surface Science, 2020，526：146770
2.	Xiangyang Li, Jiangqi Zhou, Lingrui Xu, Min Wang, Xin Li*. One step synthesis of ultrathin 2D carbon nanosheets for high-performance supercapacitors. Applied Surface Science, 2019,490: 604–610.
3.	Xiangyang Li, Jiangqi Zhou, Xin Li*. Collapse-Resistant Large-Sized 2D Metal-Organic-Framework-Derived Nitrogen-Doped Porous Ultrathin Carbon Nanosheets for High-Performance Supercapacitors. ChemElectroChem, 2019, 6: 4653-4659.
4.	Liangliang Chen, Xin Li*, Chengwei Ma, Min Wang, and Jiangqi zhou. Interaction and Quantum Capacitance of Nitrogen/Sulfur Co-Doped Graphene: A Theoretical Calculation. J. Phys. Chem. C, 2017, 121(34): 18344–18350.
5.	Min Wang#, Jianjun Du#, Jiangqi Zhou, Chengwei Ma, Lixia Bao, Xiangyang Li, Xin Li*. Numerical evaluation of the effect of mesopore

	microstructure for carbon electrode in flowbattery. Journal of Power Sources. 2019, 424: 27–34.
6.	Lu-Yin Lin[#]*, Xin Li[#], Ying-Yu Huang, Hsin-Yen Sun. Synthesizing Ni-based ternary metalcompounds for battery-supercapacitor hybrid devices with and without using nickel precursors. Materials Science in Semiconductor Processing, 2019, 98: 81-89.
7.	Jiangqi Zhou, Lingrui Xu, Lijie Li, Xin Li*. Polytetrafluoroethylene-assisted N/F co-doped hierarchically porous carbon as a high performance electrode for supercapacitors. Journal of colloid and interface science, 2019, 545: 25–34.
8.	Jiangqi Zhou, Min Wang, Xin Li*. Promising biomass-derived nitrogen-doped porous carbon for high performance supercapacitor. Journal of Porous Materials, 2019, 26(1): 99-108.
9.	Jiangqi Zhou, Min Wang, Xin Li*. Facile preparation of nitrogen-doped high-surface-area porous carbon derived from sucrose for high performance supercapacitors. Applied Surface Science, 2018, 462: 444-452.
10.	Jia-Yo Hong#, Lu-Yin Lin#*, Xin Li#. Electrodeposition of Sb2S3 light absorbers on TiO2nanorod array as photocatalyst for water oxidation [J]. Thin Solid Films, 2018, 651: 124-130.
11.	Sheng-Sian Yang, Lu-Yin Lin*, Xin Li*, Cheng-Wei Ma, He-Xin Lai, Lu-Ying Lin. Methodology for synthesizing the nickel cobalt hydroxide/oxide and reduced graphene oxidecomplex for energy storage electrodes. Journal of Energy Storage, 2017, 14: 112–124.
12.	Lingrui Xu, Liangliang Chen, Lijie Li, Xin Li*. Effects of the N/S codoping configuration and ternary doping on the quantum capacitance of graphene. Journal of materials science,2019, 54: 8995-9003.
13.	Min Wang , Liangliang Chen , Jiangqi Zhou , Lingrui Xu , Xiangyang Li , Lijie Li , Xin Li*.First-principles calculation of quantum capacitance of metals doped graphenes and nitrogen/metals co-doped graphenes: designing strategies for supercapacitor electrodes. Journal of Materials Science, 2019, 54: 483-492.
14.	Liangliang Chen[#], Chengwei Ma[#], Xin Li*, Luyin Lin*, Shengsian Yang, Ge Li. First Principles Design of Anthraquinone Derivatives in Redox Flow Batteries. Int. J. Electrochem. Sci., 12 (2017). Int. J. Electrochem. Sci., 2017, 12: 10433–10446.
15.	Ge Li[#], Yaobin Jia[#]， Shu Zhang， Xin Li*, Jilei Li, Lijie Li. The crossover behavior of bromine species in the metal-free flow battery. J Appl Electrochem. 2017, 47:261–272.
16.	Chengwei Ma, Xin Li*, Luyin Lin*, Liangliang Chen, Min Wang, Jiangqi Zhou, A two-dimensional porous electrode model for designing pore structure in a quinone-based flow cell[J]. Journal of Energy Storage, 2018, 18: 16-25.
17.	Shu Zhang, Xin Li*, Dandan Chu, An Organic Electroactive Material for Flow Batteries,Electrochimica Acta, 2016, 190: 737-743.

18.	Dandan Chu, Xin Li*, Shu Zhang. A non-isothermal transient model for a novel metal-free quinone-bromide flow battery. Electrochimica Acta, 2016, 190: 434-445.
19.	Xin Li*. Modeling and simulation study of a metal free organic-inorganic aqueous flow battery with flow through electrode. Electrochimica Acta, 2015, 170: 98-109.

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