

Shangda Li

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Education

Shanghai Jiao Tong University (SJTU) School of Chemistry and Chemical Engineering, Applied Chemistry (Macromolecule)	09/2015 - PRESENT
Zhejiang University Exchange C9 League Summer School	07/2016
University of Oxford Exchange Oxford Prospects Winter Programme	01/2017 - 02/2017

Research Experiences

Computer simulation studies of hyperbranched polymers <i>Advisor: Assistant Professor Chunyang Yu</i>	12/2015 - 09/2016
<ul style="list-style-type: none">• Simulate the generation of hyperbranched polymer with different Wiener Index through HBP Builder• Study effects of volume fraction and hydrophobic parameter on self-assembly morphologies	
Organic synthesis <i>Advisor: Professor Wanbin Zhang</i>	11/2016 - 10/2017
<ul style="list-style-type: none">• Asymmetric aza-Wacker-type cyclization of N-Ts hydrazone• Optimize reaction conditions by selecting proper solvent, substrate and Pd catalyst ligand• (Upgraded as National Students' Innovation and Entrepreneurship Training Program)	
Polymer electrolytes and binders for lithium-based batteries <i>Advisor: Associate Professor Lei Li</i>	11/2017 - PRESENT
<ul style="list-style-type: none">• Synthesize taurine-grafted P(VDF-HFP) as binder for lithium-ion batteries• Synthesize P(MMA-St) as gel polymer electrolyte and conduct electrochemical characterization• Investigate stability and decomposition of polymer electrolytes	

Publication

[1] Z. Wang, S. Tian, S. Li, L. Li, Y. Yin and Z. Ma. Lithium sulfonate-grafted poly(vinylidene fluoride-hexafluoro propylene) ionomer as binder for lithium-ion batteries. *RSC Adv.*, 2018, 8, 20025-20031.
DOI: [10.1039/c8ra02122h](https://doi.org/10.1039/c8ra02122h).

Awards and Honors

Fan Hsu-chi Scholarship Shanghai Jiao Tong University	2017
Academic Excellence Scholarship (First-Class) Shanghai Jiao Tong University	2016
Honorable Mention in COMAP's Mathematical Contests in Modeling (MCM) <i>Consortium for Mathematics and Its Applications, U.S.A</i>	2018
Affiliate Undergraduate Member Royal Society of Chemistry, U.K.	2016
Three Good Student Shanghai Jiao Tong University	2016
Dean's Award for Studying Overseas <i>School of Chemistry and Chemical Engineering, Shanghai Jiao Tong University</i>	2016

Miscellaneous

Center of Publicity of Students' Union of SJTU Secretary, Deputy Minister, Deputy Director	2015 - 2017
Students' Union of School of Chemistry and Chemical Engineering, SJTU Secretary, Vice President	2015 - 2017
Voluntary Work 2016 Shanghai International Marathon 2016 National Collegiate Relay Race Shanghai Jiao Tong University 120th Anniversary Fall 2015 SJTU Invitational Debate Tournament	