Resume

PERSONAL INFORMATION

Name: Yi Li
Gender: Female
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Citizenship: People's Republic of China

EDUCATIONAL BACKGROUND

Phd of Materials Science and Engineering
Georgia Institute of Technology, College of Materials Science and Engineering, 2016.8 to date

Master of Materials Science and Engineering
Zhejiang University, College of Materials Science and Chemical Engineering, 2013.7-2016.3

Bachelor of Materials Forming and Control Engineering
Chang'an University, College of Materials Science and Engineering, 2009.9-2013.7

RESEARCH PROJECT

Vapor phase modification for functional cellulose and packaging

- Using Vapor phase to modify the surface chemistry property of cellulose and make it functional.

Synthesis and electrochemical performance of $Li_3V_2(PO_4)_3$ and LiV_3O_8 as cathode for Li-ion batteries

- Seek the possible refinements to improve the comprehensive electrochemical properties of $Li_3V_2(PO_4)_3$ and LiV_3O_8 materials.

Synthesis and electrochemical performance of compound xLiV3O8 •yLi3V2(PO4)3 as cathode for next-generation Li-ion batteries

- Synthesized novel composites of Li-V-O and $Li_3V_2(PO_4)_3$ material by sol-gel method and hydrothermal route.
- First trail to mechanically mix $Li_3V_2(PO_4)_3$ and LiV_3O_8 material, serving as compound cathode material for Li-ion batteries, and shown good capacity, stable cyclic performance.

WORKING EXPERIENCES

Unilever R&D Center, Shanghai, China, 2015.7-2015.8
Summer Intern, R&D Formulation Department

- Assisted with the research of transparent/translucent anti-dandruff shampoo.
- Reviewed and collected the digital information of major competitors in global market.
- Understanding the basic principle of dandruff formation and anti-dandruff process.

National Institute of Metrology, Beijing, China, 2016.7-2016.8
Research assistant, Chemistry Department

- Assisted with the research and characterization of electrolysis of graphite.

IMPORTANT PROJECTS

2015-ICMAT International Material Conference, Singapore, 2015.7

- On behalf of Energy Material Lab in ZJU to attend the 2015-ICMAT conference and give an oral report about the lithium vanadium phosphate and lithium vanadium oxide composite cathode material.

Japanese Corporation Culture Communication Program, Japan, 2015.9

- On behalf of the excellent students in ZJU to attend the Japanese corporation culture communication program, talked to the senior managers from Sysmex, Panasonic, Recruit and Daio Paper Corporation.

EXTRACURRICULAR ACTIVITIES

Staff in Propaganda Department of Materials College, Chang'an University, 2010.9-2011.7

- Offered assistance to local elementary schools with the blackboard poster as a volunteer.
- Arranged large numbers of meeting venue and designed several stages setting.

ACADEMIC HONORS

Chukochen Scholarship (The Highest Honor of Zhejiang University, 0.1%)	2015.10
National Scholarship, "Excellent Post-Graduate Student", "Outstanding Graduates"	2015.10
SanDisk Scholarship and "Excellent Post-Graduate Student", Zhejiang University	2015.3
National Motivational Scholarship and National Scholarship, Chang'an University	2012.9/2010.9
Third Prize of "The Fifth Mechanical Design Competition" in Shaanxi Province	2012.7
Excellence Award of The seventh Collegiate Business Plan in Chang'an University	2010.5

PUBLICATIONS

1) Y. Li, J.P. Tu, et al., Synthesis and electrochemical performance of $0.6Li_3V_2(PO_4)_3$•0.4Li-V-O composite cathode material for lithium ion batteries, Electrochimica Acta, 161 (2015) 252-260. (IF=4.504)

2) Y. Li, X.L. Wang, J.P. Tu, et al., Synthesis and electrochemical performance of lithium vanadium phosphate and lithium vanadium oxide composite cathode material for lithium ion batteries, Journal of Power Sources, 282 (2015) 100-108. (IF=6.217)

3) Y. Li, X.L. Wang, J.P. Tu, et al., Synthesis and electrochemical performance of $xLiV_3O_8$•$yLi_3V_2(PO_4)_3$/rGO composite cathode materials for lithium ion batteries, Jounal of Materials Chemistry A, 3 (2015) 14731-14740. (IF=7.443)

4) Yi-di Zhang, Yi Li, et al., A peanut-like hierarchical micro/nano-$Li_{1.2}Mn_{0.54}Ni_{0.18}Co_{0.08}O_2$ cathode material for lithium-ion batteries with enhanced electrochemical performance, Jounal of Materials Chemistry A, 3 (2015) 14291-14297.

5) ZHANG YiDi, LI Yi, et al., High-energy cathode materials for Li-ion batteries: A review of recent developments, Sci China Tech Sci, doi: 10.1007/s11431-015-5933-x.

6) Xiao-qing Niu, Xiu-li Wang, Dong-huang Wang, Yi Li, et al., Metal hydroxide – a new stabilizer for the construction of sulfur/carbon composites as highperformance cathode materials for lithium–sulfur batteries, Jounal of Materials Chemistry A, 3 (2015) 17106-17112.

PATENT

1) Y. Li, J.P. Tu, et al., "Synthesis of novel lithium vanadium phosphate and lithium vanadium oxide composite cathode material for lithium ion batteries" (201410855175.0).