

Curriculum Vitae

Personal details:

Name: Xue Li
Nationality: China
Date of birth:
Gender:
Phone number:
Marital status:
Language
Email:
Home address:



Work address: Research Institute on Membrane Technology, ITM-CNR, Via Pietro Bucci 18/D,
Universit  della Calabria, Rende, Cosenza, 87036, Italy

Education:

Tianjin University of Technology Sep. 2013-Jul. 2016
College of Chemistry and Chemical Engineering
*Master of Engineering, Chemical Engineering, Supervisor: **Bo Sun***
Master thesis: *Removal of chlorides, nitrates or sulfates based on their natural fixation*
● Removing anions in high concentration solutions by biomimic materials

Heilongjiang University of Science and Technology Sep. 2009-Jul. 2013
College of Resources and Environmental Engineering
*Bachelor of Engineering, Chemical Engineering and Technology, Supervisor: **Chu'an Xiong***
Bachelor thesis: *Study on the reduction of graphite oxide by sodium cyanide as electrode material for supercapacitor*

Work Experience:

ITM-CNR May. 2019-present
Institute of membrane technology
*Research assistant, Supervisor: **Enrico Drioli and Francesca Macedonio***
● Integrated membrane systems for water recovery from gas and liquid streams

Nanjing Tech University Apr. 2017-May 2019
State Key Laboratory of Materials-Oriented Chemical Engineering, Membrane Science and Technology Research Center
*Research assistant, Supervisor: **Zhaoliang Cui***
● Water treatment by membrane contactors like membrane distillation and membrane crystallization
*Assistant of Prof. **Enrico Drioli** during his visit in Nanjing Tech University* Mar.2019-May 2019
Oct.-Nov. 2018

Pony testing Co. Ltd Nov. 2016
Lab assistant

- Water quality analysis

China Coal-Heilongjiang Chemical Co. Ltd Mar.-Apr. 2012

Student intern

- Technological process study of the company

Bao Teron Coke-oven plant in Qitaihe City, Heilongjiang Province Sep.-Oct. 2011

Student intern

- Visiting the Coke-oven plant and studying the whole technological process

Teaching:

Nanjing Tech University May 2017-Nov. 2018

Teaching assistant

- Membrane Material (Prof. Enrico Drioli) for first-year master students Oct.-Nov. 2018
Oct. 2017
- Chemical Engineering Experiment for sophomore students May-Jun. 2017

Tianjin University of Technology 2014-2016

Teaching assistant

Guiding and instructing five undergraduate students of their thesis

Kidd Koa Phoui's training for studying abroad institution Nov. 2016-Mar. 2017

Teaching IELTS listening of undergraduate students

Private tutor Oct. 2011-Sep. 2012

Teaching English and Math for two first-year middle school students

Publications:

1. Hassan Younas, Yue Zhou, Xiaogang Li, **Xue Li**, Qianyun Sun, Zhaoliang Cui*, Zhaohui Wang*, Fabrication of high flux and fouling resistant membrane: A unique hydrophilic blend of polyvinylidene fluoride/ polyethylene glycol/ polymethyl methacrylate, *Polymer*, 2019, 179, 121593. (IF:3.771)
2. Zhaoliang Cui*, Daqing Tong, **Xue Li**, Xiaozu Wang, Zhaohui Wang*, Hydrophobic modification of PVDF hollow fiber membranes using polydimethylsiloxane for VMD process, *Membrane Water Treatment*, 2019, 10, 251-257. (IF:0.975)
3. Ke Xu, Yuchun Cai, Naser Tavajohi Hassankiadeh, Yangming Cheng, **Xue Li**, Xiaozu Wang, Zhaohui Wang, Enrico Drioli, Zhaoliang Cui*, ECTFE membrane fabrication via TIPS method using a green diluent for vacuum membrane distillation, *Desalination*, 2019, 456, 13-22. (IF:6.035)
4. **Xue Li**, Yongxing Zhang, Jingyi Cao, Xiaozu Wang, Zhaoliang Cui*, Shouyong Zhou, Meisheng Li, Enrico Drioli, Zhaohui Wang*, Shuaifei Zhao, Enhanced fouling and wetting resistance of composite Hyflon AD/poly(vinylidene fluoride) membrane in vacuum

membrane distillation, *Separation and Purification Technology*, 2019, 211, 135-140. (IF:5.107)

5. Zhaoliang Cui, *Xue Li*, Yongxing Zhang, Zhaohui Wang, Annarosa Gugliuzza, Francesca Militano*, Enrico Drioli, Francesca Macedonio, Testing of three different PVDF membranes in membrane assisted crystallization process: Influence of membrane structural-properties on process performance, *Desalination*, 2018, 440, 68-77. (IF:6.035)
6. Zhaoliang Cui*, Yongxing Zhang, *Xue Li*, Xiaozu Wang, Enrico Drioli, Zhaohui Wang, Shuaifei Zhao*, Optimization of novel composite membranes for water and mineral recovery by vacuum membrane distillation, *Desalination*, 2018, 440, 39-47. (IF:6.035)

Conferences:

1. *X. Li*, F. Macedonio, E. Drioli, Separating two different salts by membrane crystallization, accepted as poster by Melpro conference, in preparation.
2. Ke Xu, *Xue Li*, Zhaohui Wang, Enrico Drioli, Zhaoliang Cui*, ECTFE membrane fabrication for vacuum membrane distillation, the 12th Conference of the Aseanian Membrane Society (*AMS12*), Jeju, Korea, 2019. (**Oral presentation**)
3. Zhaoliang Cui*, Zhaohui Wang, *Xue Li*, Enrico Drioli, Francesca Macedonio, Novel Hyflon AD/PVDF composite membranes in membrane distillation and membrane crystallization, the 11th Conference of the Aseanian Membrane Society (*AMS11*), Brisbane, Queensland, Australia, 2018. (**Oral presentation**)
4. Zhaoliang Cui*, Zhaohui Wang, *Xue Li*, Enrico Drioli, Francesca Macedonio, Hyflon AD/PVDF composite membranes for membrane distillation and crystallization, Euromembrane Conference, València, Spain, 2018.
5. *Xue Li*, Zhaohui Wang, Xiaozu Wang, Zhaoliang Cui*, Application of Hyflon AD/PVDF composite membrane in high salinity wastewater, Application Workshop of Membrane Technology in Gold Industry and Nonferrous Metallurgy, Zhaoyuan, Shandong, China, 2018.
6. Zhaoliang Cui*, *Xue Li*, Zhaohui Wang, Xiaozu Wang, Enrico Drioli, Application of Hyflon AD/PVDF composite membrane in membrane crystallization, the 15th EU-China Cooperation Conference on Membrane Technology Innovation & the 3rd National Workshop on Hydrophobic Membrane Technology and Engineering Application, Weihai, Shandong, China, 2018.

Patents:

1. Bo Sun, *Xue Li*, Chunxue Zhang, Jun Wan, Xinshi Wu, Yuping Huang, Ping Wang, Xia Li, A desalination method of aqueous solution with high concentration of sodium chloride and/or potassium chloride, 2016. ()

2. Bo Sun, Xue Li, Jun Wan, Chunxue Zhang, Xinshi Wu, Ping Wang, Yuping Huang, Xia Li, A desalination method of aqueous solution with high concentration of sodium nitrate and/or potassium nitrate, 2016. ()
3. Bo Sun, Chunxue Zhang, Xue Li, Jun Wan, Xinshi Wu, A desalination method of aqueous solution with high concentration of sodium sulfate and/or potassium sulfate, 2016. ()
4. Bo Sun, Xue Li, Chunxue Zhang, Gang An, Xinshi Wu, A preparation method of biomimetic material with the function of removing heavy metals, 2014. ()

Language Skills:

Academic IELTS degree score: 6 (date of exam: 07/04/2018)

Computer Skills:

Microsoft Office, Origin, Auto CAD, Chemdraw and any other softwares that are related to my project

Awards & Scholarship:

- **Outstanding League Cadres** May 2014
This is awarded to those who make significant contribution to the class and school, and I was the only person who awarded it among 58 classmates
- **Second-Class Scholarship** Mar. 2011
Top 1 among 29 students in my class awarded it for the academic performance
- **Second-Class Scholarship** Dec. 2010
Top 2 among 29 students in my class awarded it for the academic performance
- **Four Star Volunteer** Sep. 2010
This is awarded to the person who makes a great contribution to the society and the University in voluntary affairs
- **Second Price of Linear Algebra Knowledge Competition** Jun. 2010
I received this price for my excellent performance in math competition
- **Third-Class Scholarship** Mar. 2010
Top 2 among 29 students in my class awarded it for the academic performance
- **Third Price of the English Speech Contest** Sep. 2009
This is awarded to the person who showed an excellent performance in the contest

Referees:

- **Referee 1:**
Associate Prof. Zhaoliang Cui (previous supervisor)

- **Referee 2:**
Prof. Enrico Drioli (supervisor)



- **Referee 3:**
Prof. Francesca Macedonio (supervisor)

