



## 汪黎明个人简介

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### 基本情况:

汪黎明, 男, 1982年9月, 湖北黄梅人; 博士, 教授, 硕士生导师。

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### 教育经历:

2006.9 ~ 2011.7: 中国科学院长春应用化学研究所, 高分子化学与物理, 理学博士

2002.9 ~ 2006.7: 武汉大学, 化学与分子科学学院, 应用化学, 理学学士

### 工作经历:

2017.7 ~ 至今: 广州大学, 化学化工学院, 教授

2016.5 ~ 2017.3: 日本产业技术综合研究所, 博士后  
2011.10 ~ 2016.2: 美国麻省大学高分子科学与工程系, 博士后

**社会兼职:**

2019.12-至今: 广东省化工学会高校化学化工专业委员会理事  
2019.05-至今: 化工学会精细化工青年委员会委员

**科研方向:**

有机硅材料的开发和应用、新型表面与界面材料、多尺度软物质功能材料设计与构建

**科研项目:**

国家自然科学基金面上项目, 21872042, 完全液体排斥的双疏性表面的实用制备及其持久作用机制, 2019/01-2022/12, 64万, 主持

**讲授课程:**

本科生课程: 胶体表面化学、化工原理实验  
研究生课程: 应用数理统计

**代表性论文:**

1. Dantong Liu, Xin Yang, Peng Liu, Taoyan Mao, Xiaoqin Shang\*, **Liming Wang\***, "Synthesis and characterization of gemini ester surfactant and its application in efficient fabric softening", **Journal of Molecular Liquids** 2020,299, 112236-112244.
2. Haiming Huang, Weiliang Wang and **Liming Wang\***, "Theoretical assessment of wettability on silane coatings: from hydrophilic to hydrophobic", **Physical Chemistry Chemical Physics** 2019,21, 8257-8263.
3. Qinzhi Wang, Yingnan Liu, Yaowen Bai, Siyu Yao, Zijie Wei, Min Zhang, **Liming Wang\***, Li Wang\*, "Superhydrophobic SERS Substrates Based on Silver Dendrite-Decorated Filter Paper for Trace Detection of Nitenpyram", **Analytica Chimica Acta** 2019,1049, 170-178.
4. **Liming Wang**, Chihiro Urata, Tomoya Sato, Matt W. England and Atsushi Hozumi\*, "Self-Healing Superhydrophobic Materials Showing Quick Damage Recovery and Long-Term Durability", **Langmuir** 2017,33, 9972-9978.
5. **Liming Wang** and Thomas J. McCarthy\*, "Covalently Attached Liquids: Instant Omniphobic Surfaces with Unprecedented Repellency", **Angewandte Chemie-International Edition** 2016, 55, 244-248.
6. **Liming Wang** and Thomas J. McCarthy\*, "Capillary-bridge-derived particles with negative Gaussian curvature", **Proceedings of the National Academy of Sciences of the United States of America** 2015, 112, 2664-2669.

7. **Liming Wang** and Thomas J. McCarthy\*, "Shear Distortion and Failure of Capillary Bridges. Wetting Information Beyond Contact Angle Analysis" , **Langmuir** 2013, 29, 7776-7781.
8. **Liming Wang**, Jingjing Wei and Zhaohui Su\*, "Fabrication of surfaces with extremely high contact angle hysteresis from polyelectrolyte multilayer" , **Langmuir** 2011, 27, 15299-15304.
9. **Liming Wang**, Li Wang and Zhaohui Su\*, "Surface defects in polyelectrolyte multilayers: effects of drying and deposition cycle" , **Soft Matter** 2011, 7, 4851-4855.
10. **Liming Wang**, Bo Peng and Zhaohui Su\*, "Tunable wettability and rewritable wettability gradient from superhydrophilicity to superhydrophobicity" . **Langmuir** 2010, 26, 12203-12208.
11. **Liming Wang**, Yuan Lin and Zhaohui Su\*, "Counterion exchange at the surface of polyelectrolyte multilayer film for wettability modulation" .**Soft Matter** 2009, 5, 2072-2078.
12. **Liming Wang**, Yuan Lin, Bo Peng and Zhaohui Su\*, "Tunable wettability by counterion exchange at the surface of electrostatic self-assembled multilayers" . **Chemical Communications** 2008, 5972-5974.
13. Matt W. England, Tomoya Sato, Chihiro Urata, **Liming Wang**, and Atsushi Hozumi\*, "Transparent gel composite films with multiple functionalities: Long-lasting anti-fogging, underwater superoleophobicity and anti-bacterial activity" . **J. Colloid Interface Sci.** 2017,505, 566-576.
14. Lien Nguyen, Mimi Hang, Wanxin Wang, Ye Tian, **Liming Wang**, Thomas J. McCarthy, and Wei Chen\*, "Simple and Improved Approaches to Long-Lasting, Hydrophilic Silicones Derived from Commercially Available Precursors" , **ACS Applied Materials & Interfaces** 2014, 6, 22876-22883.
15. Shigesaburo Ogawa, Hirohmi Watanabe,**Liming Wang**, Hiroshi Jinnai, Thomas J. McCarthy, and Atsushi Takahara\*, "Liquid Marbles Supported by Monodisperse Poly(methylsilsesquioxane) Particles" , **Langmuir**2014, 30, 9071-9075.
16. Ying Lin, **Liming Wang**, Joseph W. Krumpfer, James J. Watkins, and Thomas J. McCarthy\*, "Hydrophobization of Inorganic Oxide Surfaces Using Dimethylsilanediol" , **Langmuir** 2013, 29, 1329-1332.
17. Jingjing Wei, **Liming Wang**, Xin Zhang, Xiaojing Ma, Hui Wang, and Zhaohui Su\*, "Coarsening of Silver Nanoparticles in Polyelectrolyte Multilayers" , **Langmuir**, 2013, 29, 11413-11419.
18. Guang Chen, Guojun Wu, **Liming Wang**, Suobo Zhang and Zhaohui Su\*, "Layer-by-layer assembly of single-charged ions with a rigid polyampholyte" . **Chemical Communications** 2008, 1741-1743.

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