Xiao Xiao

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EDUCATION

- **University of California Los Angeles** (UCLA), CA, U.S. **Sept. 2020~Now**

Ph.D. student in Bioengineering

Supervisor: Prof. Jun Chen

- **Beihang University** (BUAA), Beijing, China. **Sept. 2016~July 2020**

Bachelor in Materials Science and Engineering

Summer school student in Israel Institute of Technology, Harbin Institute of Technology, and National ChiaoTung University

PUBLICATIONS

Equal Contribution†, Corresponding Author*

- L. Jin†, **Xiao Xiao**†, W. Deng, A. Nashalian, D. He, C. Yan, H. Su, X. Chu, V. Raveendran, T.Yang, G. Tian, W. Li, W. Yang*, J. Chen*. Manipulating Relative Permittivity for a High-Performance Triboelectric Nanogenerator. ***Nano Letters***, 2020, Accepted (Selected as the cover image).
- **Xiao Xiao**, C. Zhang, H. Ma, Y. Zhang, G. Liu, M. Cao, C. Yu*, L. Jiang, Bio-inspired slippery cone for controllable manipulation of gas bubbles in low-surface-tension environment. ***ACS Nano***, 2019, 13 (4), 4083–4090.
- C. Zhang†, Y. Zhang†, **Xiao Xiao**, G. Liu, Z. Xu, B. Wang, C. Yu*, R. Robin, L. Jiang, Efficient separation of immiscible oil/water mixtures using a perforated lotus leaf. ***Green Chemistry***, 2019,21, 6579-6584 .
- C. Zhang, B. Zhang, H. Ma, Z. Li, **Xiao Xiao**, Y. Zhang, C. Yu*, M. Cao, L. Jiang, Bioinspired pressure-tolerant asymmetric slippery surface for continuous self-transport of gas bubbles in aqueous environment. ***ACS Nano***, 2018, 12 (2), 2048-2055Z.

RESEARCH

University of California Los Angeles, CA, U.S. **Mar. 2020~Now**

Supervisor: Prof. Jun Chen

Project: Wearable bioelectronics

Chinese Academy of Sciences, Beijing, China. **Apr. 2017~Jan. 2020**

Supervisor: Dr. Cunming Yu, Prof. Lei Jiang

Project: Bio-inspired Functional Materials and Interface

University College London, London, United Kingdom. **2019 Winter＆Summer**

Supervisor: Dr. Zheyi Meng, Prof. Marc-Olivier Coppens

Project: Bio-inspired Membranes for Water Purification and Bio-separation

University of Wollongong, NSW, Australia, **2019 Spring**

Supervisor: Dr. Weijie Li, Prof. Yongji Gong (co-supervisor in BUAA)

Project: Graphene Oxide doped Hydrogels Electrolyte for Flexible Zn Ion Batteries

CONFERENCE

- 2018 1st Russian-Chinese Arctic Forum of the Young Scientists of the ASRTU (Yakutsk, Russia), oral presentation
- 2nd Materials Undergraduate Academic Forum of Capital Universities (Beijng, China), oral presentation (Best paper Award).

SKILLS

- Advanced functional materials synthesis and design such as surface modification, polymerization and electrochemical reaction.
- Mastered operating high speed camera, SEM, XRD, Micro-CT, TGA and so on.
- Designing experiments, analyzing data, writing papers, oral presentation.
- Skilled in several professional software for research, such as video & figure making (3D Max), programming (Python), data processing, and simulation (COMSOL).

AWARDS

- 2020 Beihang University, **Outstanding Graduate**
- 2019 Beihang Academic Competition Scholarship, **Special Prize**
- 2019 29th "Fengru Cup" Technology Competition, **First Prize**
- 2018 Beihang Innovation and Entrepreneurship Scholarship, **Special Prize**
- 2018 Beihang “Aviation Materials” Scholarship, **First Prize**
- 2018 Beihang Academic Competition Scholarship, **Second Prize**
- 2018 School of Materials Science and Engineering, **Outstanding Undergraduate**
- 2018 Mathematical Modeling Contest of Beihang University, **Second Prize**
- 2017 9th Chemical Experiment Competition of Beijing Universities, **Special Prize**
- 2017 Beihang Learning Excellence Scholarship, **Third Prize**
- 2017 Beihang Student Research Training Program (SRTP)
- 2017 11th National Undergraduate Training Program for Innovation and Entrepreneurship