

# Xiao Xiao

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## EDUCATION

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- **University of California Los Angeles (UCLA)**, CA, U.S. **2020 Summer ~ Now**  
Ph.D. student in Bioengineering  
Supervisor: Prof. Jun Chen
  - **Beihang University (BUAA)**, Beijing, China. **2016 Fall ~ 2020 Spring**  
Bachelor in Materials Science and Engineering
  - **Israel Institute of Technology, National ChiaoTung University**  
Summer school student

## PUBLICATIONS

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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, ASAP (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

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- University of California Los Angeles**, CA, U.S. **2019 Fall ~ Now**  
**Supervisor:** Prof. Jun Chen  
**Project:** Wearable Bioelectronics
- 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  
**Project:** Graphene Oxide doped Hydrogels Electrolyte for Flexible Zn Ion Batteries
- Chinese Academy of Sciences**, Beijing, China. **Apr. 2017 ~ Jan. 2019**  
**Supervisor:** Dr. Cunming Yu, Prof. Lei Jiang  
**Project:** Bio-inspired Functional Materials and Interface

## CONFERENCE

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

## SKILLS

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- 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 and programming language for research, such as video & figure making (3ds Max), programming (Python), data processing, and simulation (COMSOL).

## AWARDS & HONORS

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- 2020 Beihang University, **Outstanding Graduate**
- 2019 Beihang Academic Competition Scholarship, **Special Prize**
- 2019 29<sup>th</sup> "Fengru Cup" Technology Competition, **First Prize**
- 2018 Beihang Innovation and Entrepreneurship Scholarship, **Special 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 9<sup>th</sup> Beijing University Students Chemical Experiment Competition, **Special Prize**
- 2017 Beihang Learning Excellence Scholarship, **Third Prize**
- 2017 Beihang Student Research Training Program (SRTP)
- 2017 11<sup>th</sup> National Undergraduate Training Program for Innovation and Entrepreneurship