

# Shuhan Wang

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## EDUCATION

**Nanjing University of Information Science and Technology** *Nanjing, China* 09/2019-06/2023  
*Bachelor of Science in Environmental Science*

**GPA:** 3.74

**Duke University** *Kunshan, China & Durham, USA* 08/2023-  
*International Master of Environmental Policy*

- **Language:** Mandarin (native), English (IELTS:7, no bands below 6.0)

## PUBLICATIONS

[1] **Wang, S.,** Zhang, T., Zhu, X., Zu, S., Xie, Z., Lu, X., Zhang, M., Song, L., & Jin, Y. (2022). Metal–Organic Frameworks for Electrocatalytic Sensing of Hydrogen Peroxide. *Molecules*, 27(14), 4571.  
<https://doi.org/10.3390/molecules27144571>

## ACADEMIC EXPERIENCE

**Lithium Material Regeneration project for retired power batteries** 09/2021-06/2022  
*Team Leader | Advisor: Mingdao Zhang, Yachao Jin, Li Song*

- Developed a new technology that can directly regenerate used lithium iron phosphate cathode materials that the recovery rate of the repaired LiFePO<sub>4</sub> cathode material was over 96.7%, with a capacity retention rate of over 88% after 1200 cycles
- Tracked the application of lithium batteries in the market and analyzed the business pattern and market situation
- Won Jiangsu Province Second Prize

**National policy leads to breakthrough in sludge disposal dilemma - Insights from changes in the German sludge disposal industry for China** 09/2020-04/2021

*Core Member | Advisor: Chengyu Wang*

- Consulted literature on German sludge disposal and summarized the information and searched the information about Chinese sludge disposal
- Compared the similarities and differences between China and Germany to conclude and propose solutions

## PROFESSIONAL EXPERIENCE

**Jiangsu Environmental Protection Group Co., Ltd.** 05/2024-07/2024

- Sorted out and analyze the development status and existing problems of "Green Finance" in China and Jiangsu Province
- Conducted interim evaluation of 4 EOD (Eco-environmentally-oriented Development Mode) projects in Nanjing and wrote evaluation reports
- Prepared Nantong EOD project implementation evaluation report form
- Prepared the bid for "Xuzhou Economic and Technological Development Zone East Lake EOD Implementation Plan Preparation and Application Project"
- Selected the cultural tourism experience area and research practice base of Lixiahe Rural Entrepreneurship Incubation Group project in Yandu District, Yancheng City

**Nanjing YRD ECO Development RI Co Ltd** 10/2022-11/2022

- Examined the emission permit
- Investigated a Chemical fibre factory in Suqian, Jiangsu

**Jiangsu Environmental Monitoring Center, Suzhong Branch** 07/2022-08/2022

- Handled the data to find the laws
- Conducted field research

## AWARDS AND SCHOLARSHIP

- Duke University 25% Scholarship per year 2023-2024&2024-2025
- The First Prize Graduation thesis 08/2023
- The First Prize Scholarship, NUIST 12/2021 & 12/2020
- Merit Student, NUIST 12/2021 & 12/2020