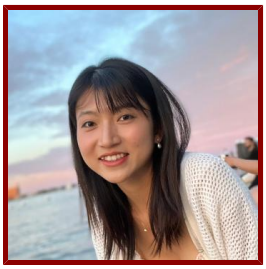
Stanford



Zhihao Zhang

Ph.D. Student in Energy Resources Engineering, admitted Autumn 2023

Bio

EDUCATION AND CERTIFICATIONS

- Master's, Stanford University , Civil and Environmental Engineering (2023)
- Bachelor's, Peking University , Environmental Science (2021)

Professional

WORK EXPERIENCE

- System Analyst Intern - LIFTE H2 (June 2022 - September 2022)
- System Analyst Intern - LIFTE H2 (June 2023 - September 2023)

Publications

PUBLICATIONS

- **Large-Scale Observations Support Aboveground Vegetation as an Important Biological Mercury Sink in the Tibetan Plateau.** *Environmental science & technology*
  Chu, Z., Zhou, Y., Liu, M., Lin, H., Cheng, M., Xie, H., Yuan, L., Zhang, Z., Zhang, Q., Li, C., Chen, Y., Guo, Y., Chen, et al
  2023
- **Improving adaptation to wildfire smoke and extreme heat in frontline communities: evidence from a community-engaged pilot study in the San Francisco Bay Area** *ENVIRONMENTAL RESEARCH LETTERS*
  Herbert, N., Beckman, C., Cannedy, C., Cao, J., Cho, S., Fischer, S., Huang, S., Kramer, S. J., Lopez, O., Lopez, S., Ouyang, D., Suckale, J., Wulf-Saena, et al
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- **Biotransport of mercury and human methylmercury exposure through crabs in China-A life cycle-based analysis** *JOURNAL OF HAZARDOUS MATERIALS*
  Zhang, Z., Chen, L., Cheng, M., Liu, M., Wang, X.
  2021; 415: 125684
- **Human Methylmercury Exposure and Potential Impacts in Central Tibet: Food and Traditional Tibetan Medicine** *BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY*
  Cheng, M., Liu, M., Li, D., Luo, Q., Zhang, Z., Yuan, L., Yu, C., Xie, H., Lin, H., Zhang, Q., Ji, D., Wang, X.
  2021

PRESENTATIONS

- Detailed carbon intensities of US natural gas including extraction, processing, and transmission - AGU24 (December 9, 2024 - December 13, 2024)
- Detailed life-cycle carbon intensity of United States natural gas including extraction, processing, and transmission - Sustainable Systems Seminar Lunch Series, Stanford University (December 3, 2024 - December 3, 2024)