



Xiwen Chi

Postdoctoral Scholar, Materials Science and Engineering

Bio

STANFORD ADVISORS

- Yi Cui, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **High-Entropy Second Solvation Shell by Anion Diversity for Aqueous Zinc-Ion Electrolytes** *ACS ENERGY LETTERS*
Su, H., Hinks, E., Chen, Y., Kim, S., Li, Y., Chi, X., Zhang, P., Wang, J., Choi, I., Mao, H., Huang, I., Xu, X., Chen, et al
2026
- **Scalable Carbon Dioxide Capture Using Clay-Derived Zeolites via Atomic Rearrangement.** *Journal of the American Chemical Society*
Li, J., Li, J., Fang, S., Lyu, H., Yuan, L., Guan, X., Feng, G., Chi, X., Mao, H., Wu, Y., Li, Y., Liu, Z., Zhang, et al
2026
- **NiSO₄-Driven In Situ Alloy Formation To Unlock Highly Reversible Iron Electrochemistry in Aqueous Batteries.** *Journal of the American Chemical Society*
Feng, G., Liu, Z., Li, J., Li, Y., Guan, X., Ravi, A., Liu, C., Chi, X., Ai, H., Zheng, X., Cui, Y.
2026
- **Programmable Food-Derived Peptide Coassembly Strategies for Boosting Targeted Colitis Therapy by Enhancing Oral Bioavailability and Restoring Gut Microenvironment Homeostasis.** *ACS nano*
Yang, M., Liu, J., Liu, C., Zhang, H., Li, S., Zhang, T., Yu, Z., Chi, X., Zhang, Z., Du, Z.
2025
- **In situ formation of liquid crystal interphase in electrolytes with soft templating effects for aqueous dual-electrode-free batteries** *NATURE ENERGY*
Li, Y., Zheng, X., Carlson, E. Z., Xiao, X., Chi, X., Greenburg, L. C., Zhang, G., Zhang, E., Liu, C., Yang, Y., Kim, M., Feng, G., Zhang, et al
2024