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Bio

STANFORD ADVISORS

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Publications

PUBLICATIONS

- **Atomic layer-deposited nucleation layers to control zinc morphology and suppress hydrogen evolution.** *Proceedings of the National Academy of Sciences of the United States of America*
Ravi, A., Shuchi, S. B., Feng, G., Li, Y., Zhang, P., Li, J., Liu, T. L., D'Acunto, G., Cai, A., Li, T., Sanroman Gutierrez, K. M., Liu, Z., Wang, et al
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- **Three-dimensional and nanoscale resolved hierarchical structure of electroplated zinc complex in aqueous zinc battery.** *National science review*
Li, J., Guan, X., Wang, J., Zhang, G., Holoubek, J., Cui, Y., Li, Y., Wang, H., Chiu, W., Cui, Y.
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- **Kaolin-derived zeolite enables high-performance carbon capture with gigaton-scale potential.** *National science review*
Li, J., Li, J., Fang, S., Zhang, G., Zhang, P., Shum, S., Zhang, Z., Cui, Y.
2026; 13 (8): nwag064
- **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
- **Epitaxial Electrodeposition of Fe with Controlled In-Plane Variants for a Reversible Metal Anode in an Aqueous Electrolyte.** *Nano letters*
Sui, C., Fu, C. T., Feng, G., Li, Y., Li, J., Yan, G., Hsu, P. C., Chu, S., Cui, Y.
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- **Capacity recovery by transient voltage pulse in silicon-anode batteries.** *Science (New York, N.Y.)*
Yang, Y., Biswas, S., Xu, R., Xiao, X., Xu, X., Zhang, P., Gong, H., Zheng, X., Peng, Y., Li, J., Ai, H., Wu, Y., Ye, et al
2024; 386 (6719): 322-327