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STANFORD ADVISORS

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Publications

PUBLICATIONS

- **Spatiochemical Segregation in Porous Lithium-Metal Interphases.** *Journal of the American Chemical Society*
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2026
- **Unravelling electro-chemo-mechanical interplay in layered oxide cathode degradation in solid-state batteries.** *Science advances*
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- **Rigid Supramolecular Aramid Nanotubes as Catalyst Supports.** *Advanced materials (Deerfield Beach, Fla.)*
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- **Reversible self-assembly of small molecules for recyclable solid-state battery electrolytes.** *Nature chemistry*
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- **Role of Precursor Miscibility in Area-Selective Atomic Layer Deposition.** *Advanced materials (Deerfield Beach, Fla.)*
Shearer, A., Cho, Y., Werbrouck, A., Rothman, A., Liu, T. L., Bent, S. F.
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- **Crystalline 1D Coordination Polymer Inhibitor Layer Leads to Vertical Sidewalls in Selectively Deposited ZnO on Nanoscale Patterns.** *ACS nano*
Shearer, A., Cho, Y., Kim, M., Werbrouck, A., Liu, T. L., Takacs, C. J., Shong, B., Bent, S. F.
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- **Effects of catholyte aging on high-nickel NMC cathodes in sulfide all-solid-state batteries.** *Materials horizons*
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2024

- **Interfacial dynamics mediate surface binding events on supramolecular nanostructures.** *Nature communications*
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- **Geometric Transformations Afforded by Rotational Freedom in Aramid Amphiphile Nanostructures.** *Journal of the American Chemical Society*
Cho, Y., Choi, Y., Kaser, S. J., Meacham, R., Christoff-Tempesta, T., Wu, S., Zuo, X., Ortony, J. H.
2023; 145 (42): 22954-22963