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Bio

STANFORD ADVISORS

- William Chueh, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Distinguishing concerted and sequential proton-electron transfer.** *Nature chemistry*
Carlson, E. Z., Chueh, W. C.
2026
- **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
- **Selectivity of Electrochemical Ion Insertion into Manganese Dioxide Polymorphs.** *ACS applied materials & interfaces*
Carlson, E. Z., Chueh, W. C., Mefford, J. T., Bajdich, M.
2022
- **Size-controlled nanocrystals reveal spatial dependence and severity of nanoparticle coalescence and Ostwald ripening in sintering phenomena.** *Nanoscale*
Goodman, E. D., Carlson, E. Z., Dietze, E. M., Tahsini, N., Johnson, A., Aitbekova, A., Nguyen Taylor, T., Plessow, P. N., Cargnello, M.
2020
- **Air-Stability and Carrier Type in Conductive M₃(Hexaaminobenzene)₂, (M = Co, Ni, Cu).** *Journal of the American Chemical Society*
Hinckley, A. C., Park, J. n., Gomes, J. n., Carlson, E. n., Bao, Z. n.
2020
- **Colloidal synthesis of powder catalysts with well-defined nanoparticle ensembles**
Goodman, E., Holm, A., Carlson, E., Cargnello, M.
AMER CHEMICAL SOC.2019