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Bio

BIO

Ph. D. in Chemistry, Stony Brook University, 2018-2023

B. Eng. in Chemical Engineering, Tianjin University, 2014-2018

B. S. in Chemistry, Nankai University, 2014-2018

STANFORD ADVISORS

- Christopher Tassone, Postdoctoral Research Mentor
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Publications

PUBLICATIONS

- **Atomically Precise Single-Site Catalysts via Exsolution in a Polyoxometalate-Metal-Organic-Framework Architecture** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
Chen, Z., Rabbani, S., Liu, Q., Bi, W., Duan, J., Lu, Z., Schweitzer, N. M., Getman, R. B., Hupp, J. T., Chapman, K. W.
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- **Humidity-Responsive Polymorphism in CALF-20: A Resilient MOF Physisorbent for CO₂ Capture** *ACS MATERIALS LETTERS*
Chen, Z., Ho, C., Wang, X., Vornholt, S. M., Rayder, T. M., Islamoglu, T., Farha, O. K., Paesani, F., Chapman, K. W.
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- **Pair distribution function analysis of discrete nanomaterials in PDFgui** *JOURNAL OF APPLIED CRYSTALLOGRAPHY*
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- **Node Distortion as a Tunable Mechanism for Negative Thermal Expansion in Metal-Organic Frameworks.** *Journal of the American Chemical Society*
Chen, Z., Strosio, G. D., Liu, J., Lu, Z., Hupp, J. T., Gagliardi, L., Chapman, K. W.
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- **Mechanistic Insights into Nanoparticle Formation from Bimetallic Metal-Organic Frameworks.** *Journal of the American Chemical Society*
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2021; 143 (24): 8976-8980