

Stanford



Zisheng Zhang

Postdoctoral Scholar, Photon Science, SLAC

 Curriculum Vitae available Online

Bio

BIO

Zisheng Zhang, a native of Wuhan, received his B.Sc. in Chemistry from South University of Science and Technology of China, advised by Prof. Jun Li. He obtained his M.Sc. and Ph.D. in Theoretical and Computational Chemistry from UCLA, advised by Prof. Anastassia N. Alexandrova. He was a CSST Fellow at UCLA in 2018 and a research intern at Argonne National Lab in 2022.

Currently, Zisheng is a Stanford Energy Fellow at SLAC, hosted by Dr. Frank Abild-Pedersen and Prof. Thomas Jaramillo. His current research interests include realistic modeling of catalytic interfaces, design of functional materials and molecules, and physics-informed machine learning models.

STANFORD ADVISORS

- Frank Abild-Pedersen, Postdoctoral Research Mentor
- Thomas Jaramillo, Postdoctoral Faculty Sponsor

LINKS

- Google Scholar: https://scholar.google.com/citations?user=oYBJT_kAAAAJ&hl=en

Research & Scholarship

LAB AFFILIATIONS

- Frank Abild-Pedersen (9/1/2024)

Publications

PUBLICATIONS

- **Synthesis and characterization of low-dimensional N-heterocyclic carbene lattices** *SCIENCE*
Qie, B., Wang, Z., Jiang, J., Zhang, Z., Jacobse, P. H., Lu, J., Li, X., Liu, F., Alexandrova, A. N., Louie, S. G., Crommie, M. F., Fischer, F. R.
2024; 384 (6698): 895-901
- **Tracking Active Phase Behavior on Boron Nitride during the Oxidative Dehydrogenation of Propane Using Operando X-ray Raman Spectroscopy.** *Journal of the American Chemical Society*
Cendejas, M. C., Paredes Mellone, O. A., Kurumbail, U., Zhang, Z., Jansen, J. H., Ibrahim, F., Dong, S., Vinson, J., Alexandrova, A. N., Sokaras, D., Bare, S. R., Hermans, I.
2023
- **Molecular engineering of dispersed nickel phthalocyanines on carbon nanotubes for selective CO₂ reduction** *NATURE ENERGY*
Zhang, X., Wang, Y., Gu, M., Wang, M., Zhang, Z., Pan, W., Jiang, Z., Zheng, H., Lucero, M., Wang, H., Sterbinsky, G. E., Ma, Q., Wang, et al
2020