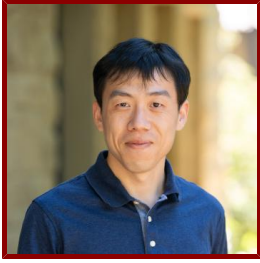


Stanford



Yong Zhong

Postdoctoral Scholar, Photon Science, SLAC

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Tsinghua University (2019)
- Bachelor of Science, Nanjing University (2012)
- Ph.D., Tsinghua University, Beijing , Physics (2019)
- B.S., Nanjing University, Nanjing , Mathematics and Physics (2012)

STANFORD ADVISORS

- Zhi-Xun Shen, Postdoctoral Faculty Sponsor
- Zhi-Xun Shen, Postdoctoral Research Mentor

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I focus on the emergent properties of transition metal dichalcogenides using synchrotron-based spectroscopic methods.

Publications

PUBLICATIONS

- **Controlling structure and interfacial interaction of monolayer TaSe₂ on bilayer graphene.** *Nano convergence*
Lee, H., Im, H., Choi, B. K., Park, K., Chen, Y., Ruan, W., Zhong, Y., Lee, J. E., Ryu, H., Crommie, M. F., Shen, Z. X., Hwang, C., Mo, et al
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- **From Stoner to local moment magnetism in atomically thin Cr₂Te₃.** *Nature communications*
Zhong, Y., Peng, C., Huang, H., Guan, D., Hwang, J., Hsu, K. H., Hu, Y., Jia, C., Moritz, B., Lu, D., Lee, J. S., Jia, J. F., Devereaux, et al
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- **Differentiated roles of Lifshitz transition on thermodynamics and superconductivity in La_{2-x}Sr_xCuO₄.** *Proceedings of the National Academy of Sciences of the United States of America*
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2022; 119 (32): e2204630119
- **A Novel 19*19 Superstructure in Epitaxially Grown 1T-TaTe₂.** *Advanced materials (Deerfield Beach, Fla.)*
Hwang, J., Jin, Y., Zhang, C., Zhu, T., Kim, K., Zhong, Y., Lee, J., Shen, Z., Chen, Y., Ruan, W., Ryu, H., Hwang, C., Lee, et al
2022: e2204579
- **Large-gap insulating dimer ground state in monolayer IrTe₂.** *Nature communications*
Hwang, J., Kim, K., Zhang, C., Zhu, T., Herbig, C., Kim, S., Kim, B., Zhong, Y., Salah, M., El-Desoky, M. M., Hwang, C., Shen, Z., Crommie, et al

