Stanford



Zijie Yan

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Bio

PROFESSIONAL EDUCATION

- Master of Science, University of California Los Angeles (2020)
- Doctor of Philosophy, Pennsylvania State University (2026)
- Bachelor of Science, Tsinghua University (2018)

STANFORD ADVISORS

- Xiaodong Xu, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Designing Magnetic Topological Insulator Trilayers for Highly Efficient Spin-Orbit Torque Switching** *NANO LETTERS*
  Zhou, L., Zhuo, D., Tay, H., Yan, Z., Xiao, P., Liu, X., Zhang, B., Chang, C.
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- **Orbital-hybridization-induced Ising-type superconductivity in a confined gallium layer** *NATURE MATERIALS*
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- **Depth-resolved magnetic order in superconducting topological insulator/FeTe thin film heterostructures** *PHYSICAL REVIEW MATERIALS*
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- **Interlayer exchange coupling induced critical-metal-to-insulator phase transition in quantum anomalous Hall insulators** *PHYSICAL REVIEW B*
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- **Interlayer coupling induced quantum phase transition in quantum anomalous Hall multilayers** *PHYSICAL REVIEW B*
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- **Coexistence of Superconductivity and Antiferromagnetism in Topological Magnet MnBi₂Te₄ Films** *NANO LETTERS*
  Yuan, W., Yan, Z., Yi, H., Wang, Z., Paolini, S., Zhao, Y., Zhou, L., Wang, A. G., Wang, K., Prokscha, T., Salman, Z., Suter, A., Balakrishnan, et al
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- **Creation of chiral interface channels for quantized transport in magnetic topological insulator multilayer heterostructures** *NATURE COMMUNICATIONS*
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