

# Stanford

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## Qianni Jiang

Postdoctoral Scholar, Applied Physics

### Bio

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#### PROFESSIONAL EDUCATION

- Bachelor of Science, Central China Normal University (2017)
- Doctor of Philosophy, University of Washington (2023)
- Ph.D., University of Washington, Physics (2023)

#### STANFORD ADVISORS

- Ian Fisher, Postdoctoral Faculty Sponsor
- Aharon Kapitulnik, Postdoctoral Research Mentor

#### LINKS

- Personal Site: <https://sites.google.com/view/qianni-jiang>

### Publications

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#### PUBLICATIONS

- **Nematic fluctuations in an orbital selective superconductor  $\text{Fe}_{1+y}\text{Te}_{1-x}\text{S}_x$**  *COMMUNICATIONS PHYSICS*  
Jiang, Q., Shi, Y., Christensen, M. H., Sanchez, J. J., Huang, B., Lin, Z., Liu, Z., Malinowski, P., Xu, X., Fernandes, R. M., Chu, J.  
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- **Dynamical criticality of spin-shear coupling in van der Waals antiferromagnets** *NATURE COMMUNICATIONS*  
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- **Gate-Tunable Proximity Effects in Graphene on Layered Magnetic Insulators** *NANO LETTERS*  
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- **Correlation-driven electronic reconstruction in  $\text{FeTe}_{1-x}\text{S}_x$**  *COMMUNICATIONS PHYSICS*  
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- **Magnetism and Its Structural Coupling Effects in 2D Ising Ferromagnetic Insulator  $\text{VI}_3$**  *NANO LETTERS*  
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- **Observation of Giant Optical Linear Dichroism in a Zigzag Antiferromagnet  $\text{FePS}_3$**  *NANO LETTERS*  
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- **Quantum oscillations in the field-induced ferromagnetic state of MnBi<sub>2</sub>-xSbxTe<sub>4</sub>** *PHYSICAL REVIEW B*  
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- **Intertwined Topological and Magnetic Orders in Atomically Thin Chern Insulator MnBi<sub>2</sub>Te<sub>4</sub>** *NANO LETTERS*  
Ovchinnikov, D., Huang, X., Lin, Z., Fei, Z., Cai, J., Song, T., He, M., Jiang, Q., Wang, C., Li, H., Wang, Y., Wu, Y., Xiao, et al  
2021; 21 (6): 2544-2550
- **Highly anisotropic excitons and multiple phonon bound states in a van der Waals antiferromagnetic insulator** *NATURE NANOTECHNOLOGY*  
Hwangbo, K., Zhang, Q., Jiang, Q., Wang, Y., Fonseca, J., Wang, C., Diederich, G. M., Gamelin, D. R., Xiao, D., Chu, J., Yao, W., Xu, X.  
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- **Suppression of superconductivity by anisotropic strain near a nematic quantum critical point** *NATURE PHYSICS*  
Malinowski, P., Jiang, Q., Sanchez, J. J., Mutch, J., Liu, Z., Went, P., Liu, J., Ryan, P. J., Kim, J., Chu, J.  
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- **Two-Dimensional van der Waals Nanoplatelets with Robust Ferromagnetism** *NANO LETTERS*  
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- **Apparatus design for measuring of the strain dependence of the Seebeck coefficient of single crystals** *REVIEW OF SCIENTIFIC INSTRUMENTS*  
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