

# Stanford

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## Xueqi Chen

- Ph.D. Student in Physics, admitted Autumn 2021
- Ph.D. Minor, Computer Science

### Publications

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#### PUBLICATIONS

- **Roadmap for Photonics with 2D Materials.** *ACS photonics*  
de Abajo, F. J., Basov, D. N., Koppens, F. H., Orsini, L., Ceccanti, M., Castilla, S., Cavicchi, L., Polini, M., Gonçalves, P. A., Costa, A. T., Peres, N. M., Mortensen, N. A., Bharadwaj, et al  
2025; 12 (8): 3961-4095
- **Quantum control of exciton wave functions in 2D semiconductors.** *Science advances*  
Hu, J., Lorchat, E., Chen, X., Watanabe, K., Taniguchi, T., Heinz, T. F., Murthy, P. A., Chervy, T.  
2024; 10 (12): eadk6369
- **Moiré-Assisted Strain Transfer in Vertical van der Waals Heterostructures.** *Nano letters*  
Hu, J., Yu, L., Chen, X., Lee, W., Mate, C. M., Heinz, T. F.  
2023
- **Optical absorption of interlayer excitons in transition-metal dichalcogenide heterostructures.** *Science (New York, N.Y.)*  
Barre, E., Karni, O., Liu, E., O'Beirne, A. L., Chen, X., Ribeiro, H. B., Yu, L., Kim, B., Watanabe, K., Taniguchi, T., Barmak, K., Lui, C. H., Refaely-Abramson, et al  
2022; 376 (6591): 406-410