



## Yuejun Shen

Ph.D. Student in Materials Science and Engineering, admitted Autumn 2022

### Publications

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#### PUBLICATIONS

- **Solid-phase heteroepitaxy of oriented Sb<sub>2</sub>Se<sub>3</sub> on GaAs for birefringent thin films** *JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A*  
Xiao, K., Shen, Y., Vailionis, A., Skipper, A. M., Preidl, A., Lindenberg, A. M., Mukherjee, K.  
2026; 44 (2)
- **Non-equilibrium entropy production and information dissipation in a non-Markovian quantum dot** *NATURE PHYSICS*  
Shen, Y., Chen, C., Ma, H., Saunders, A. P., Heide, C., Liu, F., Rotskoff, G. M., Shi, J., Lindenberg, A. M.  
2026
- **Nonresonant Raman Control of Ferroelectric Polarization.** *Advanced materials (Deerfield Beach, Fla.)*  
Shi, J., Heide, C., Xu, H., Shen, Y., Henstridge, M., Sedwick, I., Mangu, A., Peng, X., Zhang, S., Trigo, M., Heinz, T. F., Li, J., Nelson, et al  
2025: e10524
- **Solution-phase sample-averaged single-particle spectroscopy of quantum emitters with femtosecond resolution.** *Nature materials*  
Shi, J., Shen, Y., Pan, F., Sun, W., Mangu, A., Shi, C., McKeown-Green, A., Moradifar, P., Bawendi, M. G., Moerner, W. E., Dionne, J. A., Liu, F., Lindenberg, et al  
2024
- **Millimeter-Scale Exfoliation of hBN with Tunable Flake Thickness for Scalable Encapsulation** *ACS APPLIED NANO MATERIALS*  
McKeown-Green, A. S., Zeng, H. J., Saunders, A. P., Li, J., Shi, J., Shen, Y., Pan, F., Hu, J., Dionne, J. A., Heinz, T. F., Wu, S. M., Zheng, F., Liu, et al  
2024