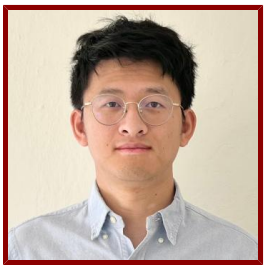
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# Tian Xie

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## Bio

### STANFORD ADVISORS

- Amir Safavi-Naeini, Postdoctoral Faculty Sponsor

## Publications

### PUBLICATIONS

- **Scalable microwave-to-optical transducers at the single-photon level with spins** *NATURE PHYSICS*
  Xie, T., Fukumori, R., Li, J., Faraon, A.
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- **Microwave-to-optical transduction with erbium ions coupled to planar photonic and superconducting resonators** *NATURE COMMUNICATIONS*
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- **Significant loophole-free test of Kochen-Specker contextuality using two species of atomic ions** *SCIENCE ADVANCES*
  Wang, P., Zhang, J., Luan, C., Um, M., Wang, Y., Qiao, M., Xie, T., Zhang, J., Cabello, A., Kim, K.
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  2021; 104 (5)
- **On-chip coherent microwave-to-optical transduction mediated by ytterbium in YVO<sub>4</sub>** *NATURE COMMUNICATIONS*
  Bartholomew, J. G., Rochman, J., Xie, T., Kindem, J. M., Ruskuc, A., Craiciu, I., Lei, M., Faraon, A.
  2020; 11 (1): 3266
- **Frequency stabilization of a 650 nm laser to an I<sub>2</sub> spectrum for trapped <SUP>138</SUP>Ba<SUP>+</SUP> ions** *JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS*
  Xie, T., Jin, N., Wang, Y., Zhang, J., Um, M., Wang, P., Kim, K.
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