



## Yidi Liu

- Ph.D. Student in Physics, admitted Autumn 2023
- Masters Student in Physics, admitted Spring 2026

### Bio

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### LINKS

- Google Scholar: <https://scholar.google.com/citations?user=xNdnJ8AAAAJ&hl=en&authuser=1>

### Publications

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#### PUBLICATIONS

- **Structural modifications in strain-engineered bilayer nickelate thin films.** *Nature*  
Bhatt, L., Abarca Morales, E., Jiang, A. Y., Ko, E. K., Zhao, Y. F., Schnitzer, N., Pan, G. A., Ferenc Segedin, D., Liu, Y., Yu, Y., Brooks, C. M., Botana, A. S., Hwang, et al  
2026
- **Author Correction: Signatures of ambient pressure superconductivity in thin film La<sub>3</sub>Ni<sub>2</sub>O<sub>7</sub>.** *Nature*  
Ko, E. K., Yu, Y., Liu, Y., Bhatt, L., Li, J., Thampy, V., Kuo, C. T., Wang, B. Y., Lee, Y., Lee, K., Lee, J. S., Goodge, B. H., Muller, et al  
2026
- **Fermi-liquid transport beyond the upper critical field in superconducting La<sub>2</sub>PrNi<sub>2</sub>O<sub>7</sub> thin films.** *Nature communications*  
Hsu, Y. T., Liu, Y., Kohama, Y., Kotte, T., Sharma, V., Tarn, Y., Wang, B. Y., Shen, Z. X., Yu, Y., Hwang, H. Y.  
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- **Reducing the Strain Required for Ambient-Pressure Superconductivity in Ruddlesden-Popper Bilayer Nickelates.** *Advanced materials (Deerfield Beach, Fla.)*  
Tarn, Y., Liu, Y., Theuss, F., Li, J., Wang, B. Y., Bhatt, L., Wang, J., Song, J., Thampy, V., Goodge, B. H., Muller, D. A., Shen, Z. X., Yu, et al  
2026: e20724
- **Author Correction: Superconductivity and normal-state transport in compressively strained La<sub>2</sub>PrNi<sub>2</sub>O<sub>7</sub> thin films.** *Nature materials*  
Liu, Y., Ko, E. K., Tarn, Y., Bhatt, L., Li, J., Thampy, V., Goodge, B. H., Muller, D. A., Raghu, S., Yu, Y., Hwang, H. Y.  
2025
- **Superconductivity and normal-state transport in compressively strained La<sub>2</sub>PrNi<sub>2</sub>O<sub>7</sub> thin films.** *Nature materials*  
Liu, Y., Ko, E. K., Tarn, Y., Bhatt, L., Li, J., Thampy, V., Goodge, B. H., Muller, D. A., Raghu, S., Yu, Y., Hwang, H. Y.  
2025
- **Signatures of ambient pressure superconductivity in thin film La<sub>3</sub>Ni<sub>2</sub>O<sub>7</sub>.** *Nature*  
Ko, E. K., Yu, Y., Liu, Y., Bhatt, L., Li, J., Thampy, V., Kuo, C. T., Wang, B. Y., Lee, Y., Lee, K., Lee, J. S., Goodge, B. H., Muller, et al  
2024