

# Stanford

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## Xintong Xu

- Ph.D. Student in Mechanical Engineering, admitted Autumn 2021
- Masters Student in Mechanical Engineering, admitted Winter 2022

### Publications

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#### PUBLICATIONS

- **Imaging the electron charge density in monolayer MoS<sub>2</sub> at the Ångstrom scale.** *Nature communications*  
Martis, J., Susarla, S., Rayabharam, A., Su, C., Paule, T., Pelz, P., Huff, C., Xu, X., Li, H. K., Jaikissoo, M., Chen, V., Pop, E., Saraswat, et al  
2023; 14 (1): 4363
- **A semi-continuous process for co-production of CO<sub>2</sub>-free hydrogen and carbon nanotubes via methane pyrolysis** *CELL REPORTS PHYSICAL SCIENCE*  
Sun, E., Zhai, S., Kim, D., Gigantino, M., Haribal, V., Dewey, O. S., Williams, S. M., Wan, G., Nelson, A., Marin-Quiros, S., Martis, J., Zhou, C., Oh, et al  
2023; 4 (4)
- **Photoabsorption Imaging at Nanometer Scales Using Secondary Electron Analysis.** *Nano letters*  
Zhang, Z., Martis, J., Xu, X., Li, H., Xie, C., Takasuka, B., Lee, J., Roy, A. K., Majumdar, A.  
2021
- **High-Safety and High-Energy-Density Lithium Metal Batteries in a Novel Ionic-Liquid Electrolyte.** *Advanced materials (Deerfield Beach, Fla.)*  
Sun, H., Zhu, G., Zhu, Y., Lin, M., Chen, H., Li, Y., Hung, W. H., Zhou, B., Wang, X., Bai, Y., Gu, M., Huang, C., Tai, et al  
2020: e2001741
- **A safe and non-flammable sodium metal battery based on an ionic liquid electrolyte.** *Nature communications*  
Sun, H., Zhu, G., Xu, X., Liao, M., Li, Y., Angell, M., Gu, M., Zhu, Y., Hung, W. H., Li, J., Kuang, Y., Meng, Y., Lin, et al  
2019; 10 (1): 3302