

Jane Lee

Ph.D. Student in Structural Biology, admitted Summer 2023

Publications

PUBLICATIONS

- **Structural basis of the RNA-editing cascade in trypanosome mitochondria** *NATURE*
Liu, Y., Vacas, A. F., Jih, J., Zhao, X., Yu, C., Lee, J. K. J., Suematsu, T., Solayman, M., Wang, H., Wang, X., Huang, L., Zhang, L., Aphasizheva, et al
2026
- **Redox Staining of Metallic Lithium inside Batteries for Multimodal Visualization and Identification with Multiscale Spatial Resolution.** *Journal of the American Chemical Society*
Lee, J. H., Lee, J. K., Zhang, P., Holmes, S. E., Zhang, W., Choi, I. R., Kim, S. C., Lee, J., Shuchi, S. B., Kim, M. S., Bao, Z., Chiu, W., Cui, et al
2026
- **Field-Responsive Dynamic Monolayer Regulated Interphase for Enhanced Lithium Metal Batteries.** *Journal of the American Chemical Society*
Zhang, E., Holoubek, J., Lyu, H., Li, Y., Florian, J., Shuchi, S. B., Lee, J. K., Michalek, L., Chen, T., Chen, Z., Choi, I. R., Guo, X., Mondonico, et al
2026
- **Simply Fabricatable Reference Electrode for Studying Li Metal Interfaces <i>Operando</i>** *ACS ENERGY LETTERS*
Florian, J., Lyu, H., Mondonico, L., Zhao, Y., Lee, J. K. J., Musgrove, A. L., Cui, Y., Sacci, R. L., Bao, Z.
2026
- **Mesh-like structure integrated core-shell-shell nanocomposites for enhanced stability and performance in carbon capture.** *Nature communications*
Yang, S., Mao, H., Dun, C., Liu, J., Hou, K., Cai, A., Wang, J., Lee, J. K., Li, D., Lyu, H., Chen, Z., Lv, X., Zhuang, et al
2025; 16 (1): 10526
- **Resolving three-dimensional nanoscale heterogeneities in lithium metal batteries with cryoelectron tomography** *MATTER*
Zhang, Z., Lee, J. K. J., Li, Y., Zhou, W., Wu, G., Lyu, H., Wan, J., Chen, H., Huang, W., Ye, Y., Schmid, M. F., Cui, Y., Chiu, et al
2025; 8 (7)
- **Structural basis of gRNA stabilization and mRNA recognition in trypanosomal RNA editing** *SCIENCE*
Liu, S., Wang, H., Li, X., Zhang, F., Lee, J. K. J., Li, Z., Yu, C., Hu, J. J., Zhao, X., Suematsu, T., Alvarez-Cabrera, A. L., Liu, Q., Zhang, et al
2023; 381 (6653): 43-+
- **CryoEM reveals oligomeric isomers of a multienzyme complex and assembly mechanics** *JOURNAL OF STRUCTURAL BIOLOGY-X*
Lee, J. K. J., Liu, Y., Hu, J. J., Aphasizheva, I., Aphasizhev, R., Zhou, Z.
2023; 7: 100088
- **Discovery, structure, and function of filamentous 3-methylcrotonyl-CoA carboxylase** *STRUCTURE*
Hu, J. J., Lee, J. K. J., Liu, Y., Yu, C., Huang, L., Aphasizheva, I., Aphasizhev, R., Zhou, Z.
2023; 31 (1): 100-+