

# Stanford

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## Andrew Lee

- Ph.D. Student in Materials Science and Engineering, admitted Autumn 2019
- Masters Student in Materials Science and Engineering, admitted Autumn 2021
- Other Tech - Graduate, Stanford Nano Shared Facilities

### Publications

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#### PUBLICATIONS

- **Direct Observation of the Pressure-Induced Structural Variation in Gold Nanoclusters and the Correlated Optical Response.** *Nano letters*  
Li, Q., Zeman, C. J., Kalkan, B., Kirschbaum, K., Gianopoulos, C. G., Parakh, A., Doan, D., Lee, A. C., Kulikowski, J., Schatz, G. C., Shen, G., Kunz, M., Gu, et al  
2022
- **Detection of voids in hydrogen embrittled iron using transmission X-ray microscopy** *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*  
Lee, A. C., Parakh, A., Sleugh, A., Tertuliano, O. A., Lam, S., Weker, J., Hosemann, P., Gu, X.  
2023; 48 (5): 1968-1978
- **High-pressure deformation of metallic glass nanoparticles** *JOURNAL OF NON-CRYSTALLINE SOLIDS*  
Parakh, A., Kiani, M. T., Colmenares, A., Lee, A. C., Shen, G., Chariton, S., Prakapenka, V. B., Gu, X.  
2022; 597
- **High pressure deformation induced precipitation in Al-Zn-Mg-Cu alloy (Al7075)** *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*  
Parakh, A., Lee, A. C., Chariton, S., Wang, M. M., Kiani, M. T., Prakapenka, V. B., Gu, X.  
2022; 853
- **Ultrafine-grained Ni-rich layered cathode for advanced Li-ion batteries** *ENERGY & ENVIRONMENTAL SCIENCE*  
Park, G., Yoon, D., Kim, U., Namkoong, B., Lee, J., Wang, M. M., Lee, A. C., Gu, X., Chueh, W. C., Yoon, C. S., Sun, Y.  
2021
- **Thermal enhancement and shape stabilization of a phase-change energy-storage material via copper nanowire aerogel** *CHEMICAL ENGINEERING JOURNAL*  
Zhang, L., An, L., Wang, Y., Lee, A., Schuman, Y., Ural, A., Fleischer, A. S., Feng, G.  
2019; 373: 857-69