Stanford



Amanda Chen

- Ph.D. Student in Earth and Planetary Sciences, admitted Autumn 2023
- Masters Student in Materials Science and Engineering, admitted Autumn 2024

Bio

HONORS AND AWARDS

- BioXFEL Outstanding Poster Award, SLAC National Accelerator Laboratory SSRL/LCLS Users' Meeting (2024)

EDUCATION AND CERTIFICATIONS

- Bachelor of Arts, Wellesley College , Geosciences (2022)

LINKS

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Research & Scholarship

LAB AFFILIATIONS

- Wendy Mao, Extreme Environments Laboratory (9/11/2023)

Publications

PUBLICATIONS

- **Shock compression of FeOOH and implications for iron-water interactions in super-earth magma oceans.** *Nature communications*
  Zhang, Y., Bali, K., Dorn, C., Ravasio, A., Yang, H., Pandolfi, S., Chen, A. J., Wei, X., Libon, L., Che, Q., Zheng, D., Boulard, E., Benuzzi-Mounaix, et al
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- **SEDIMENTATION PATTERNS IN THE THREE BASINS OF WALDEN POND, CONCORD, MASSACHUSETTS, USA: A MULTIPROXY APPROACH TO DECIPHER ENVIRONMENTAL TRENDS, ANTHROPOGENIC IMPACTS, AND REGIONAL EVENTS OF THE LAST 800 YEARS** *JOURNAL OF SEDIMENTARY RESEARCH*
  Monecke, K., Hubeny, J., McCarthy, F. M. G., Alderson, A., Boyce, J. I., Brabander, D. J., Veresh, R. K., Chen, A. J., Knights, C., Nishimoto, M., Passaretti, M., Pilkington, P., Riddick, et al
  2025; 95 (4): 605-626

- **Synchrotron Microanalytical Characterization and K/Ar Dating of the GL-O-1 Glauconite Reference Material at the Single Pellet Scale and Reassessment of the Age of Visually Mature Pellets** *MINERALS*
  Hemming, S. R., Liu, T., Northrup, P., Nicholas, S., Rasbury, E., Chen, H., Warden, A., Chen, A., Li, R., Tappero, R., Cox, S. E., Everard, J., Wang, et al
  2023; 13 (6)