Stanford

Zhenghan Peng

Ph.D. Student in Materials Science and Engineering, admitted Autumn 2024

Bio

EDUCATION AND CERTIFICATIONS

- B.S., Sichuan University , Materials Physics (2022)

Research & Scholarship

LAB AFFILIATIONS

- Andrew Mannix (10/9/2022)

Publications

PUBLICATIONS

- **Chemically Tailored Growth of 2D Semiconductors via Hybrid Metal-Organic Chemical Vapor Deposition.** *ACS nano*
  Zhang, Z., Hoang, L., Hocking, M., Peng, Z., Hu, J., Zaborski, G., Reddy, P. D., Dollard, J., Goldhaber-Gordon, D., Heinz, T. F., Pop, E., Mannix, A. J.
  2024
- **Modulate the Interfacial Oxygen Vacancy for High Performance MoS2 Photosensing−Memory Device** *Advanced Optical Materials*
  Peng, Z., Luo, X., Liang, K., Tan, C., Gao, L., Wang, Z.
  2022
- **Layer-by-Layer Growth of AA-Stacking MoS2 for Tunable Broadband Phototransistors** *ACS APPLIED MATERIALS & INTERFACES*
  Luo, X., Peng, Z., Wang, Z., Dong, M.
  2021; 13 (49): 59154-59163
- **Machine learning atomic-scale stiffness in metallic glass** *EXTREME MECHANICS LETTERS*
  Peng, Z., Yang, Z., Wang, Y.
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