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- Ph.D. Student in Chemistry, admitted Autumn 2023
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PATENTS

- Xingyuan Zhang, Junjie Wang, Rong Zhu. "China P.Rep. Patent ZL202311131889.2 Polymer, Modified Polyurethane Elastomer, and Method for Preparing the Same", Peking University, Aug 11, 2026

Research & Scholarship

LAB AFFILIATIONS

- Bianxiao Cui (9/25/2023)

Publications

PUBLICATIONS

- **Curved adhesions resist disruption by high-affinity αv-integrin inhibitors.** *Cell chemical biology*
  Lee, C. E., Martinez, J., Amine, A., Zhang, W., Lu, C. H., Zhang, X., You, H., Tsai, C. T., Nakamoto, M. L., Cui, B.
  2026
- **Membrane Curvature Activates Src kinase and Promotes Metastatic Cancer Cell Survival.** *bioRxiv : the preprint server for biology*
  Zhang, W., You, H., Zou, X., Lu, C. H., Zhang, X., Amine, A., Jahed, Z., Lin, M. Z., Cui, B.
  2026
- **Dynamic mechanoresponsive polymers enabled by ring-opening polymerization of cyclic propargyl carbonates** *CHEM*
  Wang, J., Zhang, X., Bai, J., Liu, Q., Wen, J., Zhu, R.
  2025; 11 (12)
- **Single Nanocrown Electrodes for High-Quality Intracellular Recording of Cardiomyocytes** *ADVANCED MATERIALS INTERFACES*
  Tsai, C., Gao, H., Forro, C., Yang, Y., Shautsova, V., Zhang, X., Jahed, Z., Cui, B.
  2025