Bio

STANFORD ADVISORS

• Bianxiao Cui, Doctoral Dissertation Advisor (AC)

Publications

PUBLICATIONS

• Interfacing Cells with Vertical Nanoscale Devices: Applications and Characterization. *Annual review of analytical chemistry (Palo Alto, Calif.)*
  McGuire, A. F., Santoro, F., Cui, B.
  2018

• Biocompatible and totally disintegrable semiconducting polymer for ultrathin and ultralightweight transient electronics *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Lei, T., Guan, M., Liu, J., Lin, H., Pfattner, R., Shaw, L., McGuire, A. F., Huang, T., Shao, L., Cheng, K., Tok, J. B., Bao, Z.
  2017; 114 (20): 5107-5112

• Accurate nanoelectrode recording of human pluripotent stem cell-derived cardiomyocytes for assaying drugs and modeling disease *MICROSYSTEMS & NANOENGINEERING*
  Lin, Z., McGuire, A. F., Burridge, P. W., Matsa, E., Lou, H., Wu, J. C., Cui, B.
  2017; 3: 1–7

• Imaging electric field dynamics with graphene optoelectronics *NATURE COMMUNICATIONS*
  Horng, J., Balch, H. B., McGuire, A. F., Tsai, H., Forrester, P. R., Crommie, M. F., Cui, B., Wang, F.
  2016; 7

• A skin-inspired organic digital mechanoreceptor *SCIENCE*
  2015; 350 (6258): 313-2

• Impact of branching on the supramolecular assembly of thioethers on Au(111) *JOURNAL OF CHEMICAL PHYSICS*
  2015; 142 (10)

• Hydrogen Bonding and Chirality in Functionalized Thioether Self-Assembly *JOURNAL OF PHYSICAL CHEMISTRY C*
  2012; 116 (28): 14992-14997