

# Stanford

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## Xiao Yang

Postdoctoral Research Fellow, Psychiatry

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Harvard University , Chemistry (2020)
- Bachelor of Science, Peking University , Chemistry (2015)

#### STANFORD ADVISORS

- Bianxiao Cui, Postdoctoral Research Mentor
- Sergiu Pasca, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Bioinspired neuron-like electronics** *NATURE MATERIALS*  
Yang, X., Zhou, T., Zwang, T. J., Hong, G., Zhao, Y., Viveros, R. D., Fu, T., Gao, T., Lieber, C. M.  
2019; 18 (5): 510-+
- **Screenomics: a framework to capture and analyze personal life experiences and the ways that technology shapes them** *Human-Computer Interaction*  
Reeves, B.  
2019
- **Tissue-like Neural Probes for Understanding and Modulating the Brain** *BIOCHEMISTRY*  
Hong, G., Viveros, R. D., Zwang, T. J., Yang, X., Lieber, C. M.  
2018; 57 (27): 3995–4004
- **A method for single-neuron chronic recording from the retina in awake mice** *SCIENCE*  
Hong, G., Fu, T., Qiao, M., Viveros, R. D., Yang, X., Zhou, T., Lee, J., Park, H., Sanes, J. R., Lieber, C. M.  
2018; 360 (6396): 1447-+
- **Mesh electronics: a new paradigm for tissue-like brain probes** *CURRENT OPINION IN NEUROBIOLOGY*  
Hong, G., Yang, X., Zhou, T., Lieber, C. M.  
2018; 50: 33–41
- **Out-of-Plane Piezoelectricity and Ferroelectricity in Layered alpha-In<sub>2</sub>Se<sub>3</sub> Nanoflakes** *NANO LETTERS*  
Zhou, Y., Wu, D., Zhu, Y., Cho, Y., He, Q., Yang, X., Herrera, K., Chu, Z., Han, Y., Downer, M. C., Peng, H., Lai, K.  
2017; 17 (9): 5508–13
- **Syringe-injectable mesh electronics integrate seamlessly with minimal chronic immune response in the brain** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Zhou, T., Hong, G., Fu, T., Yang, X., Schuhmann, T. G., Viveros, R. D., Lieber, C. M.  
2017; 114 (23): 5894–99
- **Specific detection of biomolecules in physiological solutions using graphene transistor biosensors** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Gao, N., Gao, T., Yang, X., Dai, X., Zhou, W., Zhang, A., Lieber, C. M.  
2016; 113 (51): 14633–38

- **Controlled synthesis of single-crystal SnSe nanoplates** *NANO RESEARCH*

Zhao, S., Wang, H., Zhou, Y., Liao, L., Jiang, Y., Yang, X., Chen, G., Lin, M., Wang, Y., Peng, H., Liu, Z.

2015; 8 (1): 288–95

- **Polyoxometalate-functionalized metal-organic frameworks with improved water retention and uniform proton-conducting pathways in three orthogonal directions** *CHEMICAL COMMUNICATIONS*

Liu, Y., Yang, X., Miao, J., Tang, Q., Liu, S., Shi, Z., Liu, S.

2014; 50 (70): 10023–26