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Ph.D. Student in Chemistry, admitted Summer 2019

Publications

PUBLICATIONS

- **Regioisomeric Spirofluorene CANAL Ladder Polymers and Their Gas Separation Performance.** *ACS macro letters*
Robinson, A. M., Xia, Y.
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- **Tailoring the mechanical and combustion performance of B/HTPB composite solid fuel with covalent interfaces** *COMPOSITES SCIENCE AND TECHNOLOGY*
Jiang, Y., Leem, J., Robinson, A. M., Wu, S., Huynh, A. H., Ka, D., Zhao, R., Xia, Y., Zheng, X.
2024; 245
- **Enhanced H₂O₂ Upecycling into Hydroxyl Radicals with GO/Ni:FeOOH-Coated Silicon Nanowire Photocatalysts for Wastewater Treatment.** *Nano letters*
Ning, R., Kim, S., Sun, E., Jiang, Y., Baek, J., Li, Y., Robinson, A., Vallez, L., Zheng, X.
2023
- **Data-Driven Approach to Tailoring Mechanical Properties of a Soft Material** *ADVANCED FUNCTIONAL MATERIALS*
Leem, J., Jiang, Y., Robinson, A., Xia, Y., Zheng, X.
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- **Hydrocarbon ladder polymers with ultrahigh permselectivity for membrane gas separations.** *Science (New York, N.Y.)*
Lai, H. W., Benedetti, F. M., Ahn, J. M., Robinson, A. M., Wang, Y., Pinnau, I., Smith, Z. P., Xia, Y.
2022; 375 (6587): 1390-1392
- **Catalytic Arene (oxa)Norborene Annulation (CANAL)** *TRENDS IN CHEMISTRY*
Leibham, A. M., Xia, Y.
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