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Ph.D. Student in Chemical Engineering, admitted Autumn 2021

Publications

PUBLICATIONS

- **Label-Free Composition Analysis of Supramolecular Polymer-Nanoparticle Hydrogels by Reversed-Phase Liquid Chromatography Coupled with a Charged Aerosol Detector.** *Analytical chemistry*
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- **A Regimen Compression Strategy for Commercial Vaccines Leveraging an Injectable Hydrogel Depot Technology for Sustained Vaccine Exposure** *ADVANCED THERAPEUTICS*
Yan, J., Ou, B. S., Saouaf, O. M., Meany, E. L., Eckman, N., Appel, E. A.
2023
- **A freely suspended robotic swimmer propelled by viscoelastic normal stresses** *JOURNAL OF FLUID MECHANICS*
Kroo, L. A., Binagia, J. P., Eckman, N., Prakash, M., Shaqfeh, E. G.
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- **In Situ Direct Laser Writing of 3D Graphene-Laden Microstructures** *ADVANCED MATERIALS TECHNOLOGIES*
Restaino, M., Eckman, N., Alsharhan, A. T., Lamont, A. C., Anderson, J., Weinstein, D., Hall, A., Sochol, R. D.
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- **Ignition and combustion analysis of direct write fabricated aluminum/metal oxide/PVDF films** *COMBUSTION AND FLAME*
Rehwoldt, M. C., Wang, H., Kline, D. J., Wu, T., Eckman, N., Wang, P., Agrawal, N. R., Zachariah, M. R.
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- **Why does adding a poor thermal conductor increase propagation rate in solid propellants?** *APPLIED PHYSICS LETTERS*
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- **Direct Writing of a 90 wt% Particle Loading Nanothermite** *ADVANCED MATERIALS*
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