

Steven Yee

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

Publications

PUBLICATIONS

- **Continuous monitoring of blood-interstitial fluid intercompartmental molecular kinetics in freely moving animals.** *Science advances*
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- **Direct Optical Detection of Factor Xa Activity in Minimally Processed Whole Blood.** *ACS sensors*
Cartwright, A. P., Wollant, B. C., York, E. S., Zheng, L., Yee, S., Chau, H. C., Batsuli, G., Soh, H. T.
2025
- **Rapid, Sensitive Detection of Protein Biomarkers in Minimally-Processed Blood Products with a Monolithic Sandwich Immunoassay Reagent.** *Advanced materials (Deerfield Beach, Fla.)*
Maganzini, N., Reschke, A., Cartwright, A. P., Gidi, Y., Thompson, I. A., Yee, S., Hariri, A., Dory, C., Rosenberg-Hasson, Y., Pan, J., Eisenstein, M., Vuckovic, J., Cornell, et al
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- **Modular Aptamer Switches for the Continuous Optical Detection of Small-Molecule Analytes in Complex Media.** *Advanced materials (Deerfield Beach, Fla.)*
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- **Optically Powered Milli-Scale Robot System for Nanoliter Fluid Delivery Based on Diamagnetic Levitation** *IEEE TRANSACTIONS ON MAGNETICS*
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- **Self-Powered High Energy Laser Detectors via Thermoelectric Generators**
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- **Photothermal actuation of levitated pyrolytic graphite revised** *APL Materials*
Yee, S., Oney, L., Cosby, T., Durkin, D. P., ElBidweihy, H.
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- **High-energy laser detection through thermoelectric generators** *OPTICAL ENGINEERING*
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- **Autonomous Microrobotic Manipulation Using Visual Servo Control** *MICROMACHINES*
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- **Optical control and manipulation of diamagnetically levitated pyrolytic graphite** *AIP ADVANCES*
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- **Microstrip Antenna Tuning using Variable Reactive Microelectromechanical Systems**
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