

## Louis Blankemeier

Ph.D. Student in Electrical Engineering, admitted Autumn 2018

### Publications

---

#### PUBLICATIONS

- **Combinatorial Polyacrylamide Hydrogels for Preventing Biofouling on Implantable Biosensors.** *Advanced materials (Deerfield Beach, Fla.)*  
Chan, D., Chien, J., Axpe, E., Blankemeier, L., Baker, S. W., Swaminathan, S., Piunova, V. A., Zubarev, D. Y., Maikawa, C. L., Grosskopf, A. K., Mann, J. L., Soh, H. T., Appel, et al  
2022; e2109764
- **Integrated photonics for low transverse emittance, ultrafast negative electron affinity GaAs photoemitters** *JOURNAL OF APPLIED PHYSICS*  
Blankemeier, L., Rezaeifar, F., Garg, A., Kapadia, R.  
2019; 126 (3)
- **Confined Liquid-Phase Growth of Crystalline Compound Semiconductors on Any Substrate** *ACS NANO*  
Sarkar, D., Wang, W., Mecklenburg, M., Clough, A. J., Yeung, M., Ren, C., Lin, Q., Blankemeier, L., Niu, S., Zhao, H., Shi, H., Wang, H., Cronin, et al  
2018; 12 (6): 5158-5167
- **Independent tuning of work function and field enhancement factor in hybrid lanthanum hexaboride-graphene-silicon field emitters** *JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B*  
Rezaeifar, F., Lin, Q., Chen, X., Mattox, T. M., Garg, A., Clough, A., Poudel, N., Blankemeier, L., Sarkar, D., Cronin, S. B., Kapadia, R.  
2017; 35 (6)
- **Scalable Indium Phosphide Thin-Film Nanophotonics Platform for Photovoltaic and Photoelectrochemical Devices** *ACS NANO*  
Lin, Q., Sarkar, D., Lin, Y., Yeung, M., Blankemeier, L., Hazra, J., Wang, W., Niu, S., Ravichandran, J., Fan, Z., Kapadia, R.  
2017; 11 (5): 5113-5119
- **Bandgap Control via Structural and Chemical Tuning of Transition Metal Perovskite Chalcogenides** *ADVANCED MATERIALS*  
Niu, S., Huyan, H., Liu, Y., Yeung, M., Ye, K., Blankemeier, L., Orvis, T., Sarkar, D., Singh, D. J., Kapadia, R., Ravichandran, J.  
2017; 29 (9)