

# Stanford

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## Garrett Swain LeCroy

- Ph.D. Student in Materials Science and Engineering, admitted Autumn 2018
- Masters Student in Materials Science and Engineering, admitted Summer 2022
- Other Tech - Graduate, Stanford Nano Shared Facilities

### Publications

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#### PUBLICATIONS

- **Impact of Side Chain Hydrophilicity on Packing, Swelling and Ion Interactions in Oxy-bithiophene Semiconductors.** *Advanced materials (Deerfield Beach, Fla.)*  
Siemons, N., Pearce, D., Cendra, C., Yu, H., Tuladhar, S. M., Hallani, R. K., Sheelamantula, R., LeCroy, G. S., Siemons, L., White, A. J., McCulloch, I., Salleo, A., Frost, et al  
2022: e2204258
- **Tuning Organic Electrochemical Transistor Threshold Voltage using Chemically Doped Polymer Gates.** *Advanced materials (Deerfield Beach, Fla.)*  
Tan, S. T., Lee, G., Denti, I., LeCroy, G., Rozylowicz, K., Marks, A., Griggs, S., McCulloch, I., Giovannitti, A., Salleo, A.  
2022: e2202359
- **Critical analysis of self-doping and water-soluble n-type organic semiconductors: structures and mechanisms** *JOURNAL OF MATERIALS CHEMISTRY C*  
Cowen, L. M., Gilhooly-Finn, P. A., Giovannitti, A., LeCroy, G., Demetriou, H., Neal, W., Dong, Y., Westwood, M., Luong, S., Fenwick, O., Salleo, A., Heutz, S., Nielsen, et al  
2022
- **Mixed Ionic-Electronic Conduction, a Multifunctional Property in Organic Conductors.** *Advanced materials (Deerfield Beach, Fla.)*  
Tan, S. T., Gumyusenge, A., Quill, T. J., LeCroy, G. S., Bonacchini, G. E., Denti, I., Salleo, A.  
2022: e2110406
- **Redox-Active Polymers Designed for the Circular Economy of Energy Storage Devices** *ACS ENERGY LETTERS*  
Tan, S., Quill, T. J., Moser, M., LeCroy, G., Chen, X., Wu, Y., Takacs, C. J., Salleo, A., Giovannitti, A.  
2021; 6 (10): 3450-3457
- **Ion Pair Uptake in Ion Gel Devices Based on Organic Mixed Ionic-Electronic Conductors** *ADVANCED FUNCTIONAL MATERIALS*  
Quill, T. J., LeCroy, G., Melianas, A., Rawlings, D., Thiburce, Q., Sheelamantula, R., Cheng, C., Tuchman, Y., Keene, S. T., McCulloch, I., Segalman, R. A., Chabinyk, M. L., Salleo, et al  
2021
- **A Stacked Hybrid Organic/Inorganic Electrochemical Random-Access Memory for Scalable Implementation** *ADVANCED ELECTRONIC MATERIALS*  
Tuchman, Y., Quill, T. J., LeCroy, G., Salleo, A.  
2021