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- Ph.D. Student in Chemical Engineering, admitted Autumn 2022
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Bio

EDUCATION AND CERTIFICATIONS

- Bachelor of Science, University of Puerto Rico, Mayagüez , Chemical Engineering (2021)

Publications

PUBLICATIONS

- **A damage-perceptive, self-healing electronic skin with millimeter resolution** *DEVICE*
Root, S. E., Wu, C., Choi, H., Sun, E., Ngaruka, G., Park, H., Figueroa, A., Berman, A., Patino, D., Shi, Y., Pugh, C., Bao, Z.
2025; 3 (8)
- **A guide for nanomechanical characterization of soft matter via AFM: From mode selection to data reporting.** *STAR protocols*
Kim, E., Ramos Figueroa, A. L., Schrock, M., Zhang, E., Newcomb, C. J., Bao, Z., Michalek, L.
2025; 6 (2): 103809
- **Electrochemical Manufacturing Routes for Organic Chemical Commodities.** *Annual review of chemical and biomolecular engineering*
Mathison, R., Ramos Figueroa, A. L., Bloomquist, C., Modestino, M. A.
2023; 14: 85-108
- **Electrochemical Manufacturing Routes for Organic Chemical Commodities** *ANNUAL REVIEW OF CHEMICAL AND BIOMOLECULAR ENGINEERING*
Mathison, R., Figueroa, A., Bloomquist, C., Modestino, M. A.
2023; 14: 85-108