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- Ph.D. Student in Materials Science and Engineering, admitted Autumn 2023
- Masters Student in Materials Science and Engineering, admitted Spring 2025

Publications

PUBLICATIONS

- **NiSO₄-Driven In Situ Alloy Formation To Unlock Highly Reversible Iron Electrochemistry in Aqueous Batteries.** *Journal of the American Chemical Society*
Feng, G., Liu, Z., Li, J., Li, Y., Guan, X., Ravi, A., Liu, C., Chi, X., Ai, H., Zheng, X., Cui, Y.
2026
- **Revealing and Quantifying Carbon Corrosion in Aqueous Manganese-Based Batteries.** *Nano letters*
Ravi, A., Zhang, G., Holoubek, J., Li, Y., Hao, H., Cai, A., Shuchi, S. B., Feng, G., Han, J., Li, J., Bent, S. F., Zheng, X., Cui, et al
2025
- **Comparison of Al- and Hf-based hybrid photoresists grown by molecular layer deposition for extreme ultraviolet lithography** *JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A*
Ravi, A., Than, L., Lewis, J., Shi, J., Werbrouck, A., Han, J., Mattinen, M., Bent, S. F.
2024; 42 (6)
- **Molecular layer deposition of an Al-based hybrid resist for electron-beam and EUV lithography**
Ravi, A., Shi, J., Lewis, J., Bent, S. F.
edited by Guerrero, D., Amblard, G. R.
SPIE-INT SOC OPTICAL ENGINEERING.2023
- **Molecular Layer Deposition of a Hafnium-Based Hybrid Thin Film as an Electron Beam Resist.** *ACS applied materials & interfaces*
Shi, J., Ravi, A., Richey, N. E., Gong, H., Bent, S. F.
2022