

Natalie Geise

Academic Prog Professional, SLAC National Accelerator Laboratory

Publications

PUBLICATIONS

- **Quantification of Efficiency in Lithium Metal Negative Electrodes via Operando X-ray Diffraction** *CHEMISTRY OF MATERIALS*
Geise, N. R., Kasse, R. M., Weker, J., Steinrueck, H., Toney, M. F.
2021; 33 (18): 7537-7545
- **Understanding additive controlled lithium morphology in lithium metal batteries** *JOURNAL OF MATERIALS CHEMISTRY A*
Kasse, R. M., Geise, N. R., Ko, J. S., Weker, J., Steinrueck, H., Toney, M. F.
2020; 8 (33): 16960-72
- **High Power Energy Storage via Electrochemically Expanded and Hydrated Manganese-Rich Oxides.** *Frontiers in chemistry*
Boyd, S., Geise, N. R., Toney, M. F., Augustyn, V.
2020; 8: 715
- **High Power Energy Storage via Electrochemically Expanded and Hydrated Manganese-Rich Oxides** *FRONTIERS IN CHEMISTRY*
Boyd, S., Geise, N. R., Toney, M. F., Augustyn, V.
2020; 8
- **Confined Interlayer Water Promotes Structural Stability for High-Rate Electrochemical Proton Intercalation in Tungsten Oxide Hydrates** *ACS ENERGY LETTERS*
Mitchell, J. B., Geise, N. R., Paterson, A. R., Osti, N. C., Sun, Y., Fleischmann, S., Zhang, R., Madsen, L. A., Toney, M. F., Jiang, D., Kolesnikov, A., Mamontov, E., Augustyn, et al
2019; 4 (12): 2805-12
- **Analysis and Simulation of One-Dimensional Transport Models for Lithium Symmetric Cells**
Subramaniam, A., Chen, J., Jang, T., Geise, N. R., Kasse, R. M., Toney, M. F., Subramanian, V. R.
ELECTROCHEMICAL SOC INC.2019: A3806-A3819
- **Novel ALD Chemistry Enabled Low-Temperature Synthesis of Lithium Fluoride Coatings for Durable Lithium Anodes** *ACS APPLIED MATERIALS & INTERFACES*
Chen, L., Chen, K., Chen, X., Ramirez, G., Huang, Z., Geise, N. R., Steinrueck, H., Fisher, B. L., Shahbazian-Yassar, R., Toney, M. F., Hersam, M. C., Elam, J. W.
2018; 10 (32): 26972-81