

## Peter Csernica

Ph.D. Student in Materials Science and Engineering, admitted Autumn 2016

### Publications

---

#### PUBLICATIONS

- **Persistent and partially mobile oxygen vacancies in Li-rich layered oxides** *NATURE ENERGY*  
Csernica, P. M., Kalirai, S. S., Gent, W. E., Lim, K., Yu, Y., Liu, Y., Ahn, S., Kaeli, E., Xu, X., Stone, K. H., Marshall, A. F., Sinclair, R., Shapiro, et al  
2021
- **Electrochemical ion insertion from the atomic to the device scale** *NATURE REVIEWS MATERIALS*  
Sood, A., Poletayev, A. D., Cogswell, D. A., Csernica, P. M., Mefford, J., Fraggedakis, D., Toney, M. F., Lindenberg, A. M., Bazant, M. Z., Chueh, W. C.  
2021
- **Metal-oxygen decoordination stabilizes anion redox in Li-rich oxides** *NATURE MATERIALS*  
Hong, J., Gent, W. E., Xiao, P., Lim, K., Seo, D., Wu, J., Csernica, P. M., Takacs, C. J., Nordlund, D., Sun, C., Stone, K. H., Passarello, D., Yang, et al  
2019; 18 (3): 256+
- **Electrochemical Hydrogen Evolution at Ordered Mo<sub>7</sub>Ni<sub>7</sub>** *ACS CATALYSIS*  
Csernica, P. M., McKone, J. R., Mulzer, C. R., Dichtel, W. R., Abruna, H. D., DiSalvo, F. J.  
2017; 7 (5): 3375-3383