Appendix B: SENIC 2020 Publications

Publications that acknowledge NSF support of SENIC using the grant number ECCS-1542174 or ECCS-2025462 (as identified through a Google Scholar search) are indicated below by the NNCI logo.

Internal Journal Publications


R. Murphy, Y. Zhou, L. Zhang, L. Soule, W. Zhang, Y. Chen, and M. Liu, “A New Family of Proton- Conducting Electrolytes for Reversible Solid Oxide Cells: BaHf\textsubscript{x}Ce\textsubscript{0.8-x}Y\textsubscript{0.1}Yb\textsubscript{0.1}O\textsubscript{3-δ},” *Advanced Functional Materials*, vol. 30, no. 35, p. 2002265, 2020.


Woojun Yoon, David Scheiman, Young-Woo Ok, Zhaoning Song, Glenn Jernigan, Ajeet Rohatgi, Yanfa Yan, and Phillip Jenkins, “Sputtered Indium Tin Oxide as a Recombination Layer Formed on the Tunnel


External Journal Publications


Internal Conference Presentations


A. Jayapalan and J. Wei, "Developing a Novel Co3O4@CNDsHybrid Functional Nanoparticle for Bioimaging Applications," Materials Research Society, November 2020.


M. Park, and A. Ansari, “Epitaxial Al0.77Sc0.23N SAW and Lamb Wave Resonators,” IEEE International Frequency Control Symposium (IFCS), July 2020.


S. Pokharel, J. Bang, J. Wei, and Z. Ji, "Carbon nanodots (CNDs) as free radical scavengers on radicalized beta-amyloid proteins from IMR-32 cells after exposure to copper nanoparticles (CuNP)," Society of Redox Biology and Medicine (SfRBM), November 18, 2020.


J. Wang, M. Park, S. Mertin, T. Pensala, F. Ayazi, and A. Ansari,” A High-kt2 Switchable Ferroelectric Al0.7Sc0.3N Film Bulk Acoustic Resonator,” IEEE International Frequency Control Symposium (IFCS), virtual, July 2020.


**External Conference Presentations**


**Books and Book Chapters**


Patents, Patent Applications, Invention Disclosures


