



Նյութագիտության և Նախօրհանգիստների գիտական կենտրոն
Հաշվարկային նյութագիտության լաբորատորիա
lab technician

🌐 Language skills

Հայերեն Русский English

📖 Publications

Article
Computational screening for novel solid-state electrolytes in Li3MX6 composition
Hayk A. Zakaryan, Olmert L. Dallakyan, Alexey P. Maltsev, Ilya V. Chepkasov, Misha A. Aghamalyan, Areg A. Hunanyan, Nane Z. Petrosyan, Mikayel S. Chobanyan, Mikayel T. Sahakyan, Luiza G. Khachatryan, Artem R. Oganov
Journal of Energy Chemistry 2026 495-504

Article
Computational Discovery of Li6PO5I: An Oxide Argyrodite for Solid-State Electrolytes
Nane Petrosyan, Areg Hunanyan, Olmert Dallakyan, Luiza Khachatryan, Mikayel Sahakyan, Mikayel Chobanyan, Hayk Zakaryan
ACS Applied Energy Materials 2026 1159-1167
<https://pubs.acs.org/doi/10.1021/acsaem.5c03545>

Article
Accelerated composition optimization of hybrid perovskites via data-driven materials design, DFT calculations and synthesis
Sona Grigoryan, Nane Petrosyan, Gurgen Kolotyan, Arpine Kozmalyan, Varazdat Avetisyan, Hayk Zakaryan, Michael J. Schöning, Arevik Asatryan, Hayk Khachatryan
Materials & Design 2025 114902

Article
Gas sensing properties of two dimensional tin oxides: A DFT study
Areg Hunanyan, Nane Petrosyan, Hayk Zakaryan
Applied Surface Science 2024 160814