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Research Institute of Physics

Computational Materials Science Laboratory

Lab technician

Language skills

Հայերեն Русский English

Publications

Article

Computational screening for novel solid-state electrolytes in Li₃MX₆ composition

Hayk A. Zakaryan, Olbert 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

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 and 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