

## Research Institute of Physics

Computational Materials Science Laboratory

Junior Researcher

## 🌐 Language skills

English Русский Հայերեն

## 📖 Publications

### Article

#### **Computational screening for novel solid-state electrolytes in Li<sub>3</sub>MX<sub>6</sub> composition**

Hayk A. Zakaryan, Olgert 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

#### **Glaser Heterocoupling Reaction for the Synthesis of Enantiomerically Enriched Unnatural $\alpha$ -Amino Acids Incorporating Asymmetric Diyne Moieties: Mechanistic Insights and Optimization**

Liana Hayriyan, Anna Tovmasyan, Anna Grigoryan, Karapet Ghazaryan, Barbara Biondi,

Olgert L. Dallakyan, Mikayel S. Chobanyan, Hayk Zaqaryan, Ashot Saghyan, Anna Mkrtchyan

ACS Omega 2025 A-G

### Article

#### **From a humorous post to a detailed quantum-chemical study: isocyanate synthesis revisited**

Olgert L. Dallakyan, Oleg B. Beletsan, Igor Gordiy, Sergey S. Lunkov, Mikhail A. Kalinin,

Larisa E. Alkhimova, Egor A. Nosach, Egor A. Ilin, Alexandr V. Bespalov, Aleksandr A. Chamkin,

Ilya V. Prolomov, Radion A. Zaripov, Andrey A. Pershin, Bogdan O. Protsenko, Yury V. Rusalev,

Ruslan A. Oganov, Diana K. Kovaleva, Vladimir A. Mironov, Victor V. Dotsenko, Alexandr M. Genaev,

Dmitry I. Sharapa, Denis S. Tikhonov

Physical Chemistry Chemical Physics 2024 13850-13861

### Article

#### **Synthesis and evaluation of new mono- and binuclear salen complexes for the $\alpha$ -alkylation reaction of amino acid substrates as chiral phase transfer catalysts**

Anahit M. Hovhannisyanyan, Anna S. Tovmasyan, Anna F. Mkrtchyan, Karapet R. Ghazaryan,

Ela V. Minasyan, Olgert L. Dallakyan, Mikayel S. Chobanyan, Hayk Zakaryan, Giovanni N. Roviello,

Ashot S. Saghyan

Molecular Catalysis 2024 114618

### Conference

#### **Synthesis and Evaluation of a Novel Potential Organocatalyst for the Aldol Reaction**

Minasyan N.A., Petrosyan A.V., Dallakyan O.L., Galstyan A.S.