

## **XVI Chinese-Russian Symposium “Novel Materials and Technologies”**

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### **Young Scientist Info**

**Name:** Grigorii A. Buzanov

**Occupation:** Laboratory of Light Elements and Cluster Chemistry, Kurnakov Institute of General and Inorganic Chemistry of the Russian Academy of Sciences

**Position:** Senior Research Officer

**Degree:** PhD (Inorg. Chem.)

**Education:** M.V. Lomonosov Moscow State Academy of Fine Chemical Technology  
2005-2009: BA (Inorg. Chem.), 2009-2011: MA (Inorg. Chem.). Postgraduate studies:  
2011-2014, Kurnakov Institute of General and Inorganic Chemistry of the Russian Academy of Sciences.

#### **Research Interests and Fields of Expertise:**

- inorganic chemistry
- physical chemistry
- inorganic synthesis
- inorganic materials science
- phase equilibria in multicomponent systems
- thermal analysis
- mechanochemistry
- metal hydrides and oxides
- usage of novel precursors in the synthesis of functional (incl. hybrid) materials

#### **Scientific Databases IDs:**

- Scopus Author ID: 26026544800
- WoS ResearcherID: N-8207-2015
- IstinaResearcherID (IRID): 576061729
- ORCID: 0000-0003-2676-8774
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#### **Grants and Projects:**

- Russian Scientific Foundation, Project № 23-23-00576 «Multifunctional oxide materials with polyvalent europium and manganese ions» (2023 - current).

Project supervisor.

- Russian Scientific Foundation, Project № 17-73-10489 «Hydride intercalation of lithium and manganese in oxide manganese spinels» (2017 - 2020).

Project supervisor.

- The President of The Russian Federation Grant, project № MK-5992.2021.1.3. «Binary zinc hydride: synthesis and some aspects of practical application» (2021 - 2023).

Project supervisor.

- Russian Scientific Foundation, Project № 19-13-00451 «Intercalation of light element atoms in the layered multicomponent chalcogenides as a way to the synthesis of novel functional materials» (2019 - 2022).

Principal performer.