

Dimitry Grebenyuk

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Education

Lomonosov Moscow State University , PhD, Inorganic Chemistry Thesis: «Coordination polymers and polynuclear clusters based on aliphatic rare earth carboxylates»	2018 – 2022
Lomonosov Moscow State University , MSc cum laude, Chemistry	2012 – 2018

Experience

Senior Lecturer , Faculty of Materials Science, Shenzhen MSU-BIT University	2023 – Present
Engineer , Department of Chemistry, Lomonosov Moscow State University	2019 – Present
Teaching Assistant , Faculty of Materials Science, Shenzhen MSU-BIT University	2019 – 2023
PhD Student , Department of Chemistry, Lomonosov Moscow State University	2018 – 2022

Selected Publications

- **Grebenyuk, D.**, Shaulskaya, M., Shevchenko, A., Zobel, M., Tedeeva, M., Kustov, A., Sadykov, I., Tsymbarenko, D. Tuning the Cerium-Based Metal–Organic Framework Formation by Template Effect and Precursor Selection. *ACS Omega* **2023**, 8 (50), 48394–48404.
- Tsymbarenko, D., **Grebenyuk, D.**, Burlakova, M., Zobel, M. Quick and robust PDF data acquisition using a laboratory single-crystal X-ray diffractometer for study of polynuclear lanthanide complexes in solid form and in solution. *J. Appl. Cryst.* **2022**, 55, 890–900.
- **Grebenyuk, D.**, Zobel, M., Polentarutti, M., Ungur, L., Kendin, M., Zakharov, K., Degtyarenko, P., Vasiliev, A., Tsymbarenko, D. A Family of Lanthanide Hydroxo Carboxylates with 1D Polymeric Topology and Ln₄ Butterfly Core Exhibits Switchable Supramolecular Arrangement. *Inorg. Chem.* **2021**, 60 (11), 8049–8061.

Full list available at: scholar.google.com

Skills & Expertise

- Inorganic Chemistry, Inorganic Synthesis
- Crystallography: Single-Crystal and Powder X-ray Diffraction
- Total Scattering and Pair Distribution Function (PDF) Analysis
- Synchrotron Experiments: Diffraction and Total Scattering (Diamond, Elettra, ESRF, Kurchatov)
- Computational Chemistry (Firefly, GAMESS, NWChem, VASP, MOPAC, RASPA)
- High-Performance Computing (Chebyshev, Lomonosov, NSCC Shenzhen)
- Data Science: NumPy, pandas, Matplotlib, Seaborn, Jupyter, scikit-learn, Keras
- OS & Tools: macOS, Linux, Neovim, VSCode, Git, Obsidian
- LaTeX Typesetting and Document Preparation
- Languages: Russian (native), English (fluent), Mandarin Chinese (HSK4), French (B1), German/Spanish (A2)
- Travelled to 48 countries on 4 continents

Teaching & Supervision

- Developed and taught the course "Introduction to Chemistry"
- Taught undergraduate and postgraduate courses, including: "Comprehensive Inorganic Chemistry" (seminars and lab), "Introduction to Chemistry," and "History of Materials Science"
- Supervised 19 undergraduate and postgraduate thesis projects on metal–organic coordination polymers and luminescent oxide/fluoride materials
- Coordinated student extracurricular initiatives, including science fairs and university outreach/admission events