

# Elena A Volkova

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis and Laser-Related Spectroscopy of Er:Y <sub>2</sub> O <sub>3</sub> Optical Ceramics as a Gain Medium for In-Band-Pumped 1.6 $\mu$ m Lasers. Crystals, 2022, 12, 519.	2.2	1
2	Synthesis and flux-growth of rare-earth magnesium pentaborate crystals RMgB <sub>5</sub> O <sub>10</sub> (R=La, Gd, La, Tm) Tj ETQq0,0,0 rgBT /Overlock 1,5	1.5	2
3	A new double-cell polytype of samarium aluminum dimetaborate: Synthesis, crystal structure, and spectroscopic characterization. Materials Today Communications, 2022, 31, 103317.	1.9	0
4	Growth and Spectroscopy of Yb:YMgB <sub>5</sub> O <sub>10</sub> Crystal. Crystals, 2022, 12, 986.	2.2	2
5	Transitions intensities and cross-sections of Tb <sup>3+</sup> ions in YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> crystal. OSA Continuum, 2021, 4, 822.	1.8	5
6	Experimental Investigation of the Melting of Minerals and Rocks. Russian Metallurgy (Metally), 2021, 2021, 102-108.	0.5	2
7	Thin Films and Glass-Ceramic Composites of Huntite Borates Family: A Brief Review. Crystals, 2020, 10, 487.	2.2	1
8	Crystal Chemistry of High-Temperature Borates. Molecules, 2020, 25, 2450.	3.8	14
9	Ytterbium and Erbium Co-doped Rare-Earth Aluminum Borate Crystals as New Materials for Eye-Safe Lasers: Flux Growth and Characterization. , 2019, , 2491-2536.		0
10	Ytterbium and Erbium Co-doped Rare-Earth Aluminum Borate Crystals as New Materials for Eye-Safe Lasers: Flux Growth and Characterization. , 2018, , 1-46.		1
11	Flux growth of NdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> single crystals from a K <sub>2</sub> Mo <sub>3</sub> O <sub>10</sub> -based system. CrystEngComm, 2017, 19, 1071-1075.	2.6	6
12	Liquid-phase epitaxy of single-crystal erbium-ytterbium codoped YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> layers as key components of planar waveguides. Inorganic Materials, 2011, 47, 979-982.	0.8	7
13	Hydrothermal synthesis of improved ZnO crystals for epitaxial growth of GaN thin films. Journal of Materials Science, 2008, 43, 2336-2341.	3.7	14
14	Liquid-phase epitaxy of NdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> and Yb-doped YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Inorganic Materials, 2007, 43, 980-987.	0.8	1