

# Vladimir P Solntsev

## List of Publications by Year in descending order

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27  
papers

362  
citations

933447

10  
h-index

839539

18  
g-index

27  
all docs

27  
docs citations

27  
times ranked

331  
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth of $\text{BaB}_2\text{O}_4$ single crystals from melts at various compositions: comparison of optical properties. <i>Journal of Crystal Growth</i> , 2002, 236, 290-296.	1.5	68
2	Optical properties of borate crystals in terahertz region. <i>Optics Communications</i> , 2013, 309, 333-337.	2.1	37
3	Valent state and coordination of cobalt ions in beryl and chrysoberyl crystals. <i>Physics and Chemistry of Minerals</i> , 2004, 31, 1-11.	0.8	26
4	Growth and Optical Properties of $\text{Li}_{1-x}\text{Na}_x\text{Ba}_{12}(\text{BO}_3)_7\text{F}_4$ Fluoride Borates with $\text{Antizeolite}$ Structure. <i>Inorganic Chemistry</i> , 2017, 56, 5411-5419.		25
5	Growth of alexandrite crystals and investigation of their properties. <i>Journal of Crystal Growth</i> , 1981, 52, 537-541.	1.5	22
6	Channel constituents in synthetic beryl: ammonium. <i>Physics and Chemistry of Minerals</i> , 2002, 29, 65-71.	0.8	19
7	General approaches to design of a reproducible technique for the growth of large crystals of barium metaborate (BBO) for industrial application. <i>Journal of Crystal Growth</i> , 2005, 275, e2123-e2128.	1.5	14
8	Nature of the Color of Borates with $\text{Anti-Zeolite}$ Structure. <i>Inorganic Chemistry</i> , 2018, 57, 2744-2751.	4.0	14
9	$\text{BeAl}_6\text{O}_{10}:\text{Cr}^{3+}$ ( $\text{Ti}^{3+}$ , $\text{Ni}^{2+}$ ) laser crystals and their spectroscopic characteristics. <i>Optical Materials</i> , 2003, 24, 519-525.	3.6	12
10	Valence states and coordination of titanium ions in beryl crystals. <i>Crystallography Reports</i> , 2000, 45, 128-132.	0.6	11
11	EPR study of coordination of Ag and Pb cations in $\text{BaB}_2\text{O}_4$ crystals and barium borate glasses. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 311-320.	0.8	10
12	Optical and Magnetic Properties of Cu-Containing Borates with $\text{Antizeolite}$ Structure. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4469-4474.	3.1	10
13	Coordination and valent state of nickel ions in beryl and chrysoberyl crystals. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 300-313.	0.8	9
14	Optical and magnetic properties of $\text{Ba}_5(\text{BO}_3)_3\text{F}$ single crystals. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24884-24891.	2.8	9
15	Fluoride Borates with $[(\text{BO}_3)\text{F}]_4^{4-}$ $[\text{F}_4]^{4-}$ Anionic Isomorphism and X-ray Sensitivity. <i>Crystal Growth and Design</i> , 2016, 16, 4493-4499.	3.0	9
16	Experimental and Ab Initio Studies of Intrinsic Defects in $\text{Antizeolite}$ Borates with a $\text{Ba}_{12}(\text{BO}_3)_6$ Framework and Their Influence on Properties. <i>Inorganic Chemistry</i> , 2020, 59, 13598-13606.	4.0	9
17	Peculiarities of $\text{LiB}_3\text{O}_5$ crystallization from melts studied by Raman spectroscopy. <i>Journal of Crystal Growth</i> , 2008, 310, 3540-3544.	1.5	8
18	Crystal Chemical Design of Functional Fluoride Borates with $\text{Antizeolite}$ Structure. <i>Crystal Growth and Design</i> , 2020, 20, 4100-4107.	3.0	8

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19	Electronic structure, magnetic and optical properties of the Ba <sub>7</sub> (BO <sub>3</sub> ) <sub>4</sub> F <sub>2+3</sub> crystal. Journal of Solid State Chemistry, 2015, 229, 358-365.	2.9	7
20	Luminescence properties of rare-earth-doped fluoride borate crystals. Journal of Alloys and Compounds, 2022, 900, 163343.	5.5	7
21	Silver atoms in the structural channels of beryl. Journal of Structural Chemistry, 2010, 51, 869-874.	1.0	6
22	Raman scattering study of crystalline and melting states of BaO·2B <sub>2</sub> O <sub>3</sub> . Journal of Crystal Growth, 2010, 312, 2962-2966.	1.5	6
23	<title>Origin of defects in nonlinear BBO crystals</title>. , 2002, 4900, 599.		5
24	Growth and optical properties of Yb <sup>3+</sup> and Tb <sup>3+</sup> codoped BaB <sub>2</sub> O <sub>4</sub> crystals. Optics Communications, 2012, 285, 5205-5209.	2.1	5
25	Growth and crystal structure of the BeAl <sub>6</sub> O <sub>10</sub> single crystals. Journal of Crystal Growth, 2002, 237-239, 884-889.	1.5	2
26	Ionic conductivity of alkaline (Li <sub>2</sub> O, Na <sub>2</sub> O) and alkaline-earth (BaO) borates in crystallization (vitrification) region. Solid State Communications, 2011, 151, 1662-1666.	1.9	2
27	Growth and optical properties of Nd <sup>3+</sup> -doped Ba <sub>2</sub> Na <sub>3</sub> [B <sub>3</sub> O <sub>6</sub> ] <sub>2</sub> F crystals. Journal of Crystal Growth, 2015, 412, 49-53.	1.5	2