

# Vladimir P Solntsev

## List of Publications by Year in descending order

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27  
papers

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citations

933447

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27  
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docs citations

27  
times ranked

331  
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescence properties of rare-earth-doped fluoride borate crystals. <i>Journal of Alloys and Compounds</i> , 2022, 900, 163343.	5.5	7
2	Experimental and Ab Initio Studies of Intrinsic Defects in $\alpha$ -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
3	Crystal Chemical Design of Functional Fluoride Borates with $\alpha$ -Antizeolite Structure. <i>Crystal Growth and Design</i> , 2020, 20, 4100-4107.	3.0	8
4	Optical and Magnetic Properties of Cu-Containing Borates with $\alpha$ -Antizeolite Structure. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4469-4474.	3.1	10
5	Nature of the Color of Borates with $\alpha$ -Anti-Zeolite Structure. <i>Inorganic Chemistry</i> , 2018, 57, 2744-2751.	4.0	14
6	Growth and Optical Properties of $\text{LiNa}_2\text{Ba}_{12}(\text{BO}_3)_7\text{F}_4$ Fluoride Borates with $\alpha$ -Antizeolite Structure. <i>Inorganic Chemistry</i> , 2017, 56, 5411-5419.		25
7	Fluoride Borates with $[(\text{BO}_3)_4]^{4-}$ Anionic Isomorphism and X-ray Sensitivity. <i>Crystal Growth and Design</i> , 2016, 16, 4493-4499.	3.0	9
8	Electronic structure, magnetic and optical properties of the $\text{Ba}_7(\text{BO}_3)_4\text{F}_2$ crystal. <i>Journal of Solid State Chemistry</i> , 2015, 229, 358-365.	2.9	7
9	Growth and optical properties of $\text{Nd}^{3+}$ -doped $\text{Ba}_2\text{Na}_3[\text{B}_3\text{O}_6]_2\text{F}$ crystals. <i>Journal of Crystal Growth</i> , 2015, 412, 49-53.	1.5	2
10	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
11	Optical properties of borate crystals in terahertz region. <i>Optics Communications</i> , 2013, 309, 333-337.	2.1	37
12	Growth and optical properties of $\text{Yb}^{3+}$ and $\text{Tb}^{3+}$ codoped $\text{BaB}_2\text{O}_4$ crystals. <i>Optics Communications</i> , 2012, 285, 5205-5209.	2.1	5
13	Ionic conductivity of alkaline ( $\text{Li}_2\text{O}$ , $\text{Na}_2\text{O}$ ) and alkaline-earth ( $\text{BaO}$ ) borates in crystallization (vitrification) region. <i>Solid State Communications</i> , 2011, 151, 1662-1666.	1.9	2
14	Silver atoms in the structural channels of beryl. <i>Journal of Structural Chemistry</i> , 2010, 51, 869-874.	1.0	6
15	Raman scattering study of crystalline and melting states of $\text{BaO} \cdot 2\text{B}_2\text{O}_3$ . <i>Journal of Crystal Growth</i> , 2010, 312, 2962-2966.	1.5	6
16	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
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	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

#	ARTICLE	IF	CITATIONS
19	General approaches to design of a reproducible technique for the growth of large crystals of barium metaborate (BBO) for industrial application. Journal of Crystal Growth, 2005, 275, e2123-e2128.	1.5	14
20	Valent state and coordination of cobalt ions in beryl and chrysoberyl crystals. Physics and Chemistry of Minerals, 2004, 31, 1-11.	0.8	26
21	BeAl <sub>6</sub> O <sub>10</sub> :Cr <sup>3+</sup> (Ti <sup>3+</sup> , Ni <sup>2+</sup> ) laser crystals and their spectroscopic characteristics. Optical Materials, 2003, 24, 519-525.	3.6	12
22	<title>Origin of defects in nonlinear BBO crystals</title>. , 2002, 4900, 599.		5
23	Channel constituents in synthetic beryl: ammonium. Physics and Chemistry of Minerals, 2002, 29, 65-71.	0.8	19
24	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
25	Growth of $\hat{\pm}$ -BaB <sub>2</sub> O <sub>4</sub> single crystals from melts at various compositions: comparison of optical properties. Journal of Crystal Growth, 2002, 236, 290-296.	1.5	68
26	Valence states and coordination of titanium ions in beryl crystals. Crystallography Reports, 2000, 45, 128-132.	0.6	11
27	Growth of alexandrite crystals and investigation of their properties. Journal of Crystal Growth, 1981, 52, 537-541.	1.5	22