

# Vladimir Surikov

## List of Publications by Year in descending order

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33  
papers

163  
citations

1163117

8  
h-index

1199594

12  
g-index

33  
all docs

33  
docs citations

33  
times ranked

136  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of mechanically synthesized carbide Fe <sub>7</sub> C <sub>3</sub> . Physics of Metals and Metallography, 2010, 110, 474-484.	1.0	18
2	Ultrasonic investigation of $ZnSe$ . Physical Review B, 2008, 78, 045111.	3.2	14
3	Studying mechanosynthesized HfAg carbide (Hf-Fe <sub>5</sub> C <sub>2</sub> ). Physics of Metals and Metallography, 2015, 116, 791-801.	1.0	14
4	Numerical adiabatic potentials of orthorhombic Jahn-Teller effects retrieved from ultrasound attenuation experiments. Application to the SrF <sub>2</sub> :Cr crystal. Journal of Applied Physics, 2016, 119, 225108.	2.5	14
5	Ultrasonic investigation of the Jahn-Teller effect in GaAs semiconductors doped by transition metals. Journal of Applied Physics, 2014, 116, 103708.	2.5	13
6	Mössbauer investigations of the metastable Fe <sub>23</sub> B <sub>6</sub> phase. Physics of Metals and Metallography, 2006, 101, 456-466.	1.0	12
7	Short-range atomic order in Fe <sub>2</sub> B powders. Physics of Metals and Metallography, 2007, 103, 470-480.	1.0	11
8	Ultrasonic Determination of the Jahn-Teller Effect Parameters in Impurity-Containing Crystals. Journal of Experimental and Theoretical Physics, 2019, 129, 72-80.	0.9	9
9	Instability of the Fe <sub>23</sub> B <sub>6</sub> phase during thermomechanical treatment. Physics of Metals and Metallography, 2009, 108, 50-58.	1.0	7
10	Ultrasonic exploration of vacancy centres with the Jahn-Teller effect. Application to the ZnSe crystal. Physica Status Solidi (B): Basic Research, 2014, 251, 1590-1595.	1.5	7
11	Patterns of the accumulation of chemical elements in the plankton of a fresh water body. Russian Journal of Ecology, 2012, 43, 378-385.	0.9	5
12	Temperature investigations of mechanosynthesized cementite. Physics of Metals and Metallography, 2014, 115, 576-585.	1.0	5
13	Tunneling Relaxation Mechanisms of the Jahn-Teller Complexes in a CaF <sub>2</sub> :Cr <sup>2+</sup> Crystal. JETP Letters, 2021, 113, 47-51.	1.4	5
14	Behavior of monazite components in humic acid solutions. Doklady Chemistry, 2009, 428, 242-245.	0.9	3
15	Solubility of monazite chemical components in humic acid solutions. Journal of Radioanalytical and Nuclear Chemistry, 2010, 286, 707-711.	1.5	3
16	The geochemical role of phyto- and zooplankton in the extraction of chemical elements from water. Doklady Earth Sciences, 2011, 439, 1138-1140.	0.7	3
17	Measuring Transport Numbers for Lithium Isotopes in the Li <sub>3</sub> AlN <sub>2</sub> Solid Electrolyte. Russian Journal of Electrochemistry, 2004, 40, 670-673.	0.9	2
18	Transport Properties of Solid Electrolytes: Effect of the Isotope Composition of Lithium Charge Carriers. Russian Journal of Electrochemistry, 2004, 40, 1029-1034.	0.9	2

#	ARTICLE	IF	CITATIONS
19	Dissolution of monazite in humic solutions. Radiochemistry, 2010, 52, 429-434.	0.7	2
20	DAPO effect in Fe <sup>23</sup> B6. Physics of Metals and Metallography, 2012, 113, 48-61.	1.0	2
21	Manifestation of the Jahn-Teller effect in elastic moduli of strontium fluorite crystals doped with chromium ions. Journal of Physics: Conference Series, 2017, 833, 012003.	0.4	2
22	Determining the Parameters of the Jahn-Teller Effect in Impurity Centers from Ultrasonic Experiments: Application to the ZnSe : Ni <sup>2+</sup> Crystal. Physics of the Solid State, 2019, 61, 180-186.	0.6	2
23	Title is missing!. Radiochemistry, 2003, 45, 506-511.	0.7	1
24	Low-temperature relaxation in the ZnSe : V <sup>2+</sup> crystal. Physics of the Solid State, 2008, 50, 1772-1775.	0.6	1
25	Giant ultrasonic attenuation in ZnSe doped with Cr and its possible application in crystal characterization. Physica Status Solidi (B): Basic Research, 2010, 247, 1393-1395.	1.5	1
26	Some tendencies in the development of the concept of balanced biogeochemical cycles of chemical elements. Geochemistry International, 2015, 53, 464-472.	0.7	1
27	Electrolytic recovery of gallium from alkali aluminate Bayer process solutions. Theoretical Foundations of Chemical Engineering, 2017, 51, 580-586.	0.7	1
28	Jahn-Teller effect problems via ultrasonic experiments. Application to the impurity crystal CdSe:Cr. Journal of Physics: Conference Series, 2018, 1148, 012008.	0.4	1
29	Relaxation Contribution of a System of Jahn-Teller Complexes to the Elastic Moduli of Doped Fluorites. Journal of Experimental and Theoretical Physics, 2021, 132, 790-799.	0.9	1
30	Adiabatic potential energy surface of the Jahn-Teller complexes in SrF <sub>2</sub> :Cr <sup>2+</sup> crystal. AIP Conference Proceedings, 2020, , .	0.4	1
31	Title is missing!. Doklady Physical Chemistry, 2003, 388, 18-20.	0.9	0
32	Title is missing!. Radiochemistry, 2003, 45, 47-50.	0.7	0
33	Adiabatic elastic moduli in ZnSe : Mn <sup>2+</sup> and ZnSe : V <sup>2+</sup> crystals. Physics of the Solid State, 2008, 50, 1776-1778.	0.6	0