

# Stanislav K Filatov

## List of Publications by Year in descending order

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177  
papers

2,972  
citations

186265

28  
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243625

44  
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181  
all docs

181  
docs citations

181  
times ranked

1704  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anion-Centered Tetrahedra in Inorganic Compounds. <i>Chemical Reviews</i> , 2013, 113, 6459-6535.	47.7	209
2	Software for determining the thermal expansion tensor and the graphic representation of its characteristic surface (theta to tensor-TTT). <i>Glass Physics and Chemistry</i> , 2013, 39, 347-350.	0.7	88
3	The study of Bi <sub>3</sub> B <sub>5</sub> O <sub>12</sub> : synthesis, crystal structure and thermal expansion of oxoborate Bi <sub>3</sub> B <sub>5</sub> O <sub>12</sub> . <i>Journal of Solid State Chemistry</i> , 2004, 177, 515-522.	2.9	83
4	Aurivillius Phases in the Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> /BiFeO <sub>3</sub> System: Thermal Behaviour and Crystal Structure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 1603-1608.	1.2	70
5	Types of cationic complexes based on oxocentred tetrahedra [OM <sub>4</sub> ] in the crystal structures of inorganic compounds. <i>Russian Chemical Reviews</i> , 1998, 67, 137-155.	6.5	69
6	Identification of biogenic paraffins and their thermal phase transitions. <i>Geology of Ore Deposits</i> , 2007, 49, 697-709.	0.7	66
7	Structural principles for minerals and inorganic compounds containing anion-centered tetrahedra. <i>American Mineralogist</i> , 1999, 84, 1099-1106.	1.9	62
8	Metal arrays in structural units based on anion-centered metal tetrahedra. <i>Acta Crystallographica Section B: Structural Science</i> , 1999, 55, 664-676.	1.8	57
9	A study of volcanogenic exhalation mineralization. <i>Journal of Volcanology and Seismology</i> , 2016, 10, 71-85.	0.7	55
10	LiB <sub>3</sub> O <sub>5</sub> crystal structure at 20, 227 and 377Å°C. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2987-2997.	2.9	51
11	Algorithm for calculating the thermal expansion tensor and constructing the thermal expansion diagram for crystals. <i>Glass Physics and Chemistry</i> , 2007, 33, 271-275.	0.7	51
12	High-temperature borate crystal chemistry. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2013, 228, .	0.8	51
13	THE CUPRITE-LIKE FRAMEWORK OF OCu <sub>4</sub> TETRAHEDRA IN THE CRYSTAL STRUCTURE OF SYNTHETIC MELANOTHALLITE, Cu <sub>2</sub> OCl <sub>2</sub> , AND ITS NEGATIVE THERMAL EXPANSION. <i>Canadian Mineralogist</i> , 2002, 40, 1185-1190.	1.0	46
14	Phase transitions of n-alkanes as rotator crystals. <i>Journal of Molecular Structure</i> , 2003, 647, 243-257.	3.6	45
15	The crystal structure of averievite, Cu <sub>5</sub> O <sub>2</sub> (VO <sub>4</sub> ) <sub>2</sub> .nMX: comparison with related compounds. <i>Mineralogical Magazine</i> , 1997, 61, 441-446.	1.4	44
16	Strong anisotropic thermal expansion in borates. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2469-2476.	1.5	43
17	Minerals and synthetic Pb(II) compounds with oxocentred tetrahedra: review and classification. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2008, 223, 114-125.	0.8	43
18	General concept of increasing crystal symmetry with an increase in temperature. <i>Crystallography Reports</i> , 2011, 56, 953-961.	0.6	43

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19	CRYSTAL STRUCTURE OF $\hat{A}$ -Cu <sub>2</sub> V <sub>2</sub> O <sub>7</sub> AND ITS COMPARISON TO BLOSSITE ( $\hat{A}$ -Cu <sub>2</sub> V <sub>2</sub> O <sub>7</sub> ) AND ZIESITE ( $\hat{A}$ -Cu <sub>2</sub> V <sub>2</sub> O <sub>7</sub> ), Canadian Mineralogist, 2005, 43, 671-677.	1.0	41
20	New mineral species in products of fumarole activity of the Great Tolbachik Fissure Eruption. Journal of Volcanology and Seismology, 2012, 6, 281-289.	0.7	40
21	Borates – Crystal Structures of Prospective Nonlinear Optical Materials: High Anisotropy of the Thermal Expansion Caused by Anharmonic Atomic Vibrations. Crystals, 2017, 7, 93.	2.2	40
22	Crystal structure and thermal behaviour of boropollucite CsBSi <sub>2</sub> O <sub>6</sub> . Solid State Sciences, 2004, 6, 629-637.	3.2	35
23	Electronic structure and magnetic properties of the spin-1/2 Heisenberg system CuSe <sub>2</sub> O <sub>5</sub> . New Journal of Physics, 2009, 11, 113034.	2.9	35
24	Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> crystal structure in anharmonic approximation at 20, 200, 400 and 500°C. Journal of Alloys and Compounds, 2007, 428, 290-296.	5.5	34
25	Copper oxosulphates from fumaroles of Tolbachik volcano: puninite, Na <sub>2</sub> Cu <sub>3</sub> O(SO <sub>4</sub> ) <sub>3</sub> – a new mineral species and structure refinements of kamchatkite and alumoklyuchevskite. European Journal of Mineralogy, 2017, 29, 499-510.	1.3	34
26	NEW Cu <sup>2+</sup> COORDINATION POLYHEDRA IN THE CRYSTAL STRUCTURE OF BURNSITE, KCdCu <sub>7</sub> O <sub>2</sub> (SeO <sub>3</sub> ) <sub>2</sub> Cl <sub>9</sub> . Canadian Mineralogist, 2002, 40, 1587-1595.	1.0	30
27	Preparation, crystal structure and thermal expansion of a new bismuth barium borate, BaBi <sub>2</sub> B <sub>4</sub> O <sub>10</sub> . Journal of Solid State Chemistry, 2007, 180, 596-603.	2.9	30

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37	THE CRYSTAL STRUCTURE OF PARAGEORGBOKIITE, $\text{Cu}_5\text{O}_2(\text{SeO}_3)_2\text{Cl}_2$ . Canadian Mineralogist, 2007, 45, 929-934.	1.0	25
38	The crystal structure of ilinskite, $\text{NaCu}_5\text{O}_2(\text{SeO}_3)_2\text{Cl}_3$ , and review of mixed-ligand $\text{CuO}_m\text{Cl}_n$ coordination geometries in minerals and inorganic compounds. Mineralogy and Petrology, 2013, 107, 235-242.	1.1	25
39	Saranchinaite, $\text{Na}_2\text{Cu}(\text{SO}_4)_2$ , a new exhalative mineral from Tolbachik volcano, Kamchatka, Russia, and a product of the reversible dehydration of krâshnkite, $\text{Na}_2\text{Cu}(\text{SO}_4)_2(\text{H}_2\text{O})_2$ . Mineralogical Magazine, 2018, 82, 257-274.	1.4	24
40	Phase transitions and high-temperature crystal chemistry of polymorphous modifications of $\text{Cs}_2(\text{UO}_2)_2(\text{MoO}_4)$ . Radiochemistry, 2004, 46, 438-440.	0.7	23
41	High-pressure synthesis of $\text{PbO}_2$ and its crystal structure at 293, 203, and 113 K from single crystal diffraction data. Solid State Sciences, 2005, 7, 1363-1368.	3.2	23
42	Crystal structure and thermal behaviour of $(\text{Rb,Cs})\text{BSi}_2\text{O}_6$ solid solutions. Crystal Research and Technology, 2006, 41, 285-292.	1.3	23
43	XRD and DSC study of the formation and the melting of a new zeolite like borosilicate $\text{CsBSi}_5\text{O}_{12}$ and $(\text{Cs,Rb})\text{BSi}_5\text{O}_{12}$ solid solutions. Zeitschrift für Kristallographie, 2007, 222, 83-88.	1.1	23
44	BRADACZEKITE, $\text{NaCu}_4(\text{AsO}_4)_3$ , A NEW MINERAL SPECIES FROM THE TOLBACHIK VOLCANO, KAMCHATKA PENINSULA, RUSSIA. Canadian Mineralogist, 2001, 39, 1115-1119.	1.0	22
45	Crystal structure of $\text{K}_{1-x}\text{Cs}_x\text{BSi}_2\text{O}_6$ ( $x = 0.12, 0.50$ ) boroleucite solid solutions and thermal behaviour of $\text{KBSi}_2\text{O}_6$ and $\text{K}_{0.5}\text{Cs}_{0.5}\text{BSi}_2\text{O}_6$ . Zeitschrift Fur Kristallographie - Crystalline Materials, 2002, 217, 55-62.	0.8	22
46	Temperature-dependent Changes of the Crystal Structure of $\text{Li}_2\text{B}_4\text{O}_7$ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2601-2607.	1.2	22
47	Diamonds and accessory minerals in products of the 2012–2013 Tolbachik Fissure Eruption. Journal of Volcanology and Seismology, 2014, 8, 323-339.	0.7	22
48	Nicksobolevite, $\text{Cu}_7(\text{SeO}_3)_2\text{O}_2\text{Cl}_6$ , a new complex copper oxoselenite chloride from Tolbachik fumaroles, Kamchatka peninsula, Russia. European Journal of Mineralogy, 2014, 26, 439-449.	1.3	22
49	Synthesis and Characterization of the High-Pressure Nickel Borate $\text{NiB}_4\text{O}_7$ . Inorganic Chemistry, 2017, 56, 4217-4228.	4.0	22
50	Thermal behaviour of the rigid boron-oxygen groups in the $\text{Na}_2\text{B}_8\text{O}_{13}$ crystal structure. Zeitschrift Fur Kristallographie - Crystalline Materials, 2002, 217, .	0.8	21
51	Crystal structure of filatovite, $\text{K}(\text{Al,Zn})_2(\text{As,Si})_2\text{O}_8$ , the first arsenate of the feldspar group. European Journal of Mineralogy, 2004, 16, 537-543.	1.3	21
52	Crystalline structure of the $\text{TiO}_2$ II high-pressure phase at 293, 223, and 133 K according to single-crystal x-ray diffraction data. Doklady Physics, 2007, 52, 195-199.	0.7	20
53	BURNSITE, $\text{KCdCu}_7\text{O}_2(\text{SeO}_3)_2\text{Cl}_9$ , A NEW MINERAL SPECIES FROM THE TOLBACHIK VOLCANO, KAMCHATKA PENINSULA, RUSSIA. Canadian Mineralogist, 2002, 40, 1171-1175.	1.0	19
54	Unique thallium mineralization in the fumaroles of Tolbachik volcano, Kamchatka Peninsula, Russia. I. Markhininite, $\text{TlBi}(\text{SO}_4)_2$ . Mineralogical Magazine, 2014, 78, 1687-1698.	1.4	19

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55	Hermannjahnite, $\text{CuZn}(\text{SO}_4)_2$ , a new mineral with chalcocyanite derivative structure from the Naboko scoria cone of the 2012–2013 fissure eruption at Tolbachik volcano, Kamchatka, Russia. <i>Mineralogy and Petrology</i> , 2018, 112, 123-134.	1.1	19
56	Structure of bismuth oxoborate $\text{Bi}_4\text{B}_2\text{O}_9$ at 20, 200, and 450 °C. <i>Russian Journal of Inorganic Chemistry</i> , 2007, 52, 21-28.	1.3	18
57	Negative linear thermal expansion of oblique-angle (monoclinic and triclinic) crystals as a common case. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2490-2496.	1.5	18
58	Thermal expansion and structural complexity of strontium borates. <i>Structural Chemistry</i> , 2016, 27, 1663-1671.	2.0	18
59	Bubnovaite, $\text{K}_2\text{Na}_8\text{Ca}(\text{SO}_4)_6$ , a new mineral species with modular structure from the Tolbachik volcano, Kamchatka peninsula, Russia. <i>European Journal of Mineralogy</i> , 2016, 28, 677-686.	1.3	18
60	Thermal expansion and structural complexity of Ba silicates with tetrahedrally coordinated Si atoms. <i>Journal of Solid State Chemistry</i> , 2016, 235, 76-84.	2.9	18
61	Transformations of the Crystal Structure in a Series of Rubidium Boroleucite Solid Solutions from the X-ray Powder Diffraction Data. <i>Glass Physics and Chemistry</i> , 2003, 29, 599-608.	0.7	16
62	THE CRYSTAL STRUCTURE OF LENINGRADITE, $\text{PbCu}_3(\text{VO}_4)_2\text{Cl}_2$ . <i>Canadian Mineralogist</i> , 2007, 45, 445-449.	1.0	16
63	Belomarinaite $\text{KNa}(\text{SO}_4)_4$ : A new sulfate from 2012–2013 Tolbachik Fissure eruption, Kamchatka Peninsula, Russia. <i>Mineralogical Magazine</i> , 2019, 83, 569-575.	1.4	16
64	Preparation, crystal structure and thermal expansion of a novel layered borate, $\text{Ba}_2\text{Bi}_3\text{B}_2\text{O}_{44}$ . <i>Journal of Solid State Chemistry</i> , 2012, 196, 11-16.	2.9	15
65	Crystal structure, thermal and compositional deformations of $\hat{\Gamma}^2\text{-CsB}_5\text{O}_8$ . <i>Crystal Research and Technology</i> , 2007, 42, 143-150.	1.3	14
66	Crystal structure and thermal behavior of a new borosilicate with the CAS framework type. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 569-574.	4.4	14
67	Crystal growth, crystal structure of new polymorphic modification, $\hat{\Gamma}^2\text{-Bi}_2\text{B}_8\text{O}_{15}$ and thermal expansion of $\hat{\Gamma}^\pm\text{-Bi}_2\text{B}_8\text{O}_{15}$ . <i>Journal of Solid State Chemistry</i> , 2010, 183, 458-464.	2.9	14
68	Unique thallium mineralization in the fumaroles of Tolbachik volcano, Kamchatka Peninsula, Russia. III. Evdokimovite, $\text{Tl}_{\text{sub}4\text{sub}}(\text{VO})_{\text{sub}3\text{sub}}(\text{SO}_{\text{sub}4\text{sub}})_{\text{sub}5\text{sub}}(\text{H}_{\text{sub}2\text{sub}}\text{O})_{\text{sub}5\text{sub}}$ . <i>Mineralogical Magazine</i> , 2014, 78, 1711-1724.	1.4	14
69	Thermal expansion of francisite, $[\text{Cu}_3\text{BiO}_2](\text{SeO}_3)_2\text{Cl}$ , and its interpretation based on oxocentered copper-bismuth tetrahedra. <i>Physics and Chemistry of Minerals</i> , 2000, 27, 440-444.	0.8	13
70	Crystal Structure of $\text{Cu(I)Cu(II)}_4\text{O}(\text{SeO}_3)\text{Cl}_5$ , a New Heterovalent Copper Compound. <i>Doklady Chemistry</i> , 2004, 399, 226-228.	0.9	13
71	X-ray powder diffraction studies and thermal behaviour of $\text{NaK}_2\text{B}_9\text{O}_{15}$ , $\text{Na}(\text{Na}_{17\text{K}83})_2\text{B}_9\text{O}_{15}$ , and $(\text{Na}_{80\text{K}20})_2\text{B}_9\text{O}_{15}$ . <i>Journal of Solid State Chemistry</i> , 2006, 179, 2954-2963.	2.9	13
72	Thermal expansion and phase transitions in $\text{K}_1 \hat{\Gamma}^\pm \times \text{Rb} \times \text{BSi}_2\text{O}_6$ leucite borosilicate solid solutions. <i>Glass Physics and Chemistry</i> , 2008, 34, 436-442.	0.7	13

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73	The crystal structure of alumoklyuchevskite, $K_3Cu_3AlO_2(SO_4)_4$ . <i>Geology of Ore Deposits</i> , 2009, 51, 656-662.	0.7	13
74	Unique thallium mineralization in the fumaroles of the Tolbachik volcano, Kamchatka Peninsula, Russia. II. Karpovite, $Tl_2VO(SO_4)_2(H_2O)$ . <i>Mineralogical Magazine</i> , 2014, 78, 1699-1709.	1.4	13
75	Self-assembly and high anisotropy thermal expansion of compounds consisting of $TO_3$ triangular radicals. <i>Structural Chemistry</i> , 2016, 27, 1647-1662.	2.0	13
76	Synthesis, crystal structure and thermal behavior of a novel oxoborate $SrBi_2B_4O_{10}$ . <i>Journal of Solid State Chemistry</i> , 2009, 182, 1260-1264.	2.9	12
77	Crystal formation from glass, crystal structure refinement and thermal behavior of $K_{1-x}Rb_xBSi_2O_6$ boroleucite solid solutions from X-ray powder diffraction data. <i>Zeitschrift für Kristallographie</i> , 2011, 226, 602-612.	1.1	12
78	Lammerite- $\hat{I}^2$ , $Cu_3(AsO_4)_2$ , a new mineral from fumaroles of the Great Fissure Tolbachik eruption, Kamchatka Peninsula, Russia. <i>Geology of Ore Deposits</i> , 2012, 54, 565-569.	0.7	12
79	Diamonds in lavas of the Tolbachik fissure eruption in Kamchatka. <i>Doklady Earth Sciences</i> , 2014, 454, 47-49.	0.7	12
80	Urusovite, $Cu[AlAsO_5]$ , a new mineral from the Tolbachik volcano, Kamchatka, Russia. <i>European Journal of Mineralogy</i> , 2000, 12, 1041-1044.	1.3	12
81	Spectroscopic study of rotation-crystalline modifications of mixtures of n-paraffins $C_{22}$ – $C_{24}$ . <i>Journal of Molecular Structure</i> , 2004, 704, 25-30.	3.6	11
82	Elucidating the physical properties of the molybdenum oxide $Mo_4O_{11}$ and its tantalum substituted variant $Mo_2Ta_2O_{11}$ . <i>Zeitschrift für Kristallographie - Crystalline Materials</i> , 2020, 235, 143-155.	0.8	11
83	The crystal structure of high-temperature $\beta$ - $CsB_5O_8$ modification at 20, 300, and 500 $^{\circ}C$ . <i>Crystal Research and Technology</i> , 2005, 40, 65-72.	1.3	10
84	Thermal expansion of $\hat{I}^2$ - $BaB_2O_4$ and $BaB_4O_7$ borates. <i>Glass Physics and Chemistry</i> , 2006, 32, 471-478.	0.7	10
85	Crystal-structure refinement, thermal expansion, and chemical distortion of $Bi_2Ga_4O_9$ . <i>Russian Journal of Inorganic Chemistry</i> , 2006, 51, 878-883.	1.3	10
86	Polymorphic transformations of $C_{26}H_{54}$ and $C_{28}H_{58}$ n-paraffins as typical rotator substances. <i>Journal of Structural Chemistry</i> , 2007, 48, 654-665.	1.0	10
87	Mechanical properties of single crystalline and glassy lithium triborate. <i>Crystal Research and Technology</i> , 2008, 43, 339-349.	1.3	10
88	Crystal structure and thermal expansion of ammonium pentaborate $NH_4B_5O_8$ . <i>Glass Physics and Chemistry</i> , 2010, 36, 369-375.	0.7	10
89	Petrovite, $Na_{10}CaCu_2(SO_4)_8$ , a new fumarolic sulfate from the Great Tolbachik fissure eruption, Kamchatka Peninsula, Russia. <i>Mineralogical Magazine</i> , 2020, 84, 691-698.	1.4	10
90	Thermal Behavior of $M+B_5O_6(OH)_4 \cdot 2H_2O$ ( $M = K, Rb, Cs$ ) and Polymorphic Transformations of $CsB_5O_8$ . <i>Glass Physics and Chemistry</i> , 2004, 30, 450-460.	0.7	9

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91	Transformation of the crystal structure in the series of $K1 \hat{\sim} \times Cs \times BSi_2O_6$ borosilicate solid solutions. <i>Glass Physics and Chemistry</i> , 2011, 37, 572-578.	0.7	9
92	Oxysulfates of copper, sodium, and potassium in the lava flows of the 2012–2013 Tolbachik Fissure Eruption. <i>Journal of Volcanology and Seismology</i> , 2013, 7, 362-370.	0.7	9
93	Temperature-dependent evolution of $RbBSi_2O_6$ glass into crystalline Rb-boroleucite according to X-ray diffraction data. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2013, 228, 259-270.	0.8	9
94	Crystallography and high-temperature crystal chemistry of anhydrous borosilicates of alkali and alkali-earth metals. <i>Journal of Structural Chemistry</i> , 2014, 55, 1342-1355.	1.0	9
95	The novel borate $Lu_5Ba_6B_9O_{27}$ with a new structure type: synthesis, disordered crystal structure and negative linear thermal expansion. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 697-703.	1.1	9
96	Dobrovolskyite, $Na_4Ca(SO_4)_3$ , a new fumarolic sulfate from the Great Tolbachik fissure eruption, Kamchatka Peninsula, Russia. <i>Mineralogical Magazine</i> , 2021, 85, 233-241.	1.4	9
97	High-temperature X-ray diffraction: experience in the use of samples on a backing plate for studying crystalline phases mixed with the liquid. <i>Russian Chemical Reviews</i> , 1992, 61, 1085-1090.	6.5	8
98	Resonance dynamical intermolecular interaction in the crystals of pure and binary mixture n-paraffins. <i>Journal of Molecular Structure</i> , 2004, 708, 39-45.	3.6	8
99	Room, low, and high temperature dehydration and phase transitions of kernite in vacuum and in air. <i>Crystal Research and Technology</i> , 2005, 40, 563-572.	1.3	8
100	High-temperature crystal chemistry of $\hat{1}$ - $Na_2B_4O_7$ and $\hat{2}$ - $NaB_3O_5$ layered borates. <i>Glass Physics and Chemistry</i> , 2007, 33, 217-225.	0.7	8
101	Thermal expansion and polymorphism in a series of rubidium cesium boroleucites. <i>Glass Physics and Chemistry</i> , 2007, 33, 242-249.	0.7	8
102	Oriental order-disorder $\hat{3} \hat{+}$ $\hat{2} \hat{+}$ $\hat{1} \hat{+}$ phase transitions in $Sr_2B_2O_5$ pyroborate and crystal structures of $\hat{2}$ and $\hat{1}$ phases. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 1056-1067.	1.1	8
103	Novel red-emitting color-tunable phosphors $BaBi_2-Eu B_2O_7$ ( $x = 0 \hat{+} 0.40$ ): Study of the crystal structure and luminescence. <i>Journal of Solid State Chemistry</i> , 2022, 307, 122837.	2.9	8
104	Crystal structure of urusovite $Cu[AlAsO_5]$ : A new type of a tetrahedral aluminoarsenate polyanion. <i>Crystallography Reports</i> , 2000, 45, 723-727.	0.6	7
105	Dynamics of molecules and phase transitions in the crystals of pure and binary mixtures of n-paraffins. <i>Journal of Molecular Structure</i> , 2002, 614, 159-166.	3.6	7
106	Crystal Structure and Thermal Behavior of $KB_3O_5$ . <i>Doklady Physical Chemistry</i> , 2004, 398, 249-253.	0.9	7
107	Parageorgbokiite, $\hat{2}-Cu_5O_2(SeO_3)_2Cl_2$ , a new mineral species from volcanic exhalations, Kamchatka Peninsula, Russia. <i>Geology of Ore Deposits</i> , 2007, 49, 518-521.	0.7	7
108	Mechanical properties and structure of a nanoporous sodium borosilicate glass. <i>Glass Physics and Chemistry</i> , 2007, 33, 187-198.	0.7	7

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109	Synthesis and thermal behaviour of pauflerite, $\text{V}_2\text{VO}_4$ , and its $\pm$ -modification. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, 725-729.	0.8	7
110	lvsite, $\text{Na}_3\text{H}(\text{SO}_4)_2$ , a new mineral from volcanic exhalations of fumaroles of the Fissure Tolbachik Eruption of the 50th Anniversary of the Institute of Volcanology and Seismology, Far East Branch, Russian Academy of Sciences. Doklady Earth Sciences, 2016, 468, 632-635.	0.7	7
111	Crystal structure of isolueshite and its synthetic compositional analogue. European Journal of Mineralogy, 2000, 12, 597-607.	1.3	7
112	Limits of isomorphous substitution of molecules in normal paraffins as a function of temperature. Journal of Structural Chemistry, 1994, 34, 593-601.	1.0	6
113	Posteruptive activity on the First Cone of the Great Tolbachik Fissure Eruption and recent volcanogenic generation of bauxites. Journal of Volcanology and Seismology, 2007, 1, 119-139.	0.7	6
114	Thermal expansion of new arsenate minerals, bradaczekite, $\text{NaCu}_4(\text{AsO}_4)_3$ , and urusovite, $\text{Cu}(\text{AsAlO}_5)$ . Geology of Ore Deposits, 2009, 51, 827-832.	0.7	6
115	Thermal expansion and phase transitions in $\text{K}_1 \cdot x \text{Cs} \cdot x \text{BSi}_2\text{O}_6$ borosilicate solid solutions. Glass Physics and Chemistry, 2010, 36, 61-69.	0.7	6
116	Anhydrous lithium borate, $\text{Li}_3\text{B}_{11}\text{O}_{18}$ , crystal structure, phase transition and thermal expansion. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, 497-504.	0.8	6
117	Atomic nature of the high anisotropy of borate thermal expansion. Journal of Commonwealth Law and Legal Education, 2015, 46, 24-35.	0.5	6
118	Incommensurate modulation and thermal expansion of $\text{Sr}_3\text{B}_2\text{Si}_2\text{O}_{12}$ solid solutions. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 489-497.	1.1	6
119	Structure refinement and thermal properties of novel cubic borate $\text{Lu}_2\text{Ba}_3\text{B}_6\text{O}_{15}$ . Materials Chemistry and Physics, 2019, 229, 355-361.	4.0	6
120	Crystalline borosilicates of alkali and alkaline earth metals: hierarchy, fundamental building blocks and thermal expansion. Journal of Commonwealth Law and Legal Education, 2019, 60, 129-139.	0.5	6
121	Limits of isomorphous substitution of $\text{C}_n\text{H}_{2n+2}$ chains in paraffins as a function of temperature. Zeitschrift Fur Kristallographie, 1989, 188, 161-167.	1.1	5
122	Solid solutions of normal paraffins. Journal of Structural Chemistry, 1996, 37, 791-799.	1.0	5
123	In situ high-temperature X-ray diffraction study of the $\text{Rb}_2\text{O}-\text{B}_2\text{O}_3$ glass forming system. Crystal Research and Technology, 2005, 40, 73-82.	1.3	5
124	Structural Mineralogy of Borates as Perspective Materials for Technological Applications. , 2008, , 111-115.		5
125	Structure of vitreous lithium and cesium triborates. Glass Physics and Chemistry, 2009, 35, 284-289.	0.7	5
126	Forms of solid solution ordering upon decreasing temperature. Journal of Structural Chemistry, 2017, 58, 135-158.	1.0	5



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127	Ozerovite, Na <sub>2</sub> KAl <sub>3</sub> (AsO <sub>4</sub> ) <sub>4</sub> , new mineral species from Tolbachik volcano, Kamchatka peninsula, Russia. <i>European Journal of Mineralogy</i> , 2019, 31, 159-166.	1.3	5
128	Investigation of thermal behavior of mixed-valent iron borates vonsenite and hulsite containing [O <sub>4</sub> ] <sup>n+</sup> and [O <sub>5</sub> ] <sup>n+</sup> oxocentred polyhedra by <i>in situ</i> high-temperature Mössbauer spectroscopy, X-ray diffraction and thermal analysis. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 543-553.	1.1	5
129	Polymorphic transformations and thermal deformations of monoclinic n-paraffins C <sub>30</sub> H <sub>62</sub> and C <sub>32</sub> H <sub>66</sub> . <i>Journal of Structural Chemistry</i> , 2012, 53, 973-987.	1.0	4
130	Thermal expansion and order-disorder polymorphic transformation in the family of borates BaNaMe(BO <sub>3</sub> ) <sub>2</sub> , Me = Sc, Y. <i>Glass Physics and Chemistry</i> , 2012, 38, 162-171.	0.7	4
131	Synthesis, crystal structure and thermal expansion of a novel borate, Ba <sub>3</sub> Bi <sub>2</sub> (BO <sub>3</sub> ) <sub>4</sub> . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2013, 228, .	0.8	4
132	Structural changes in metastable <sup>13</sup> -Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> between -150 Å°C and 720 Å°C. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2013, 228, .	0.8	4
133	Temperature- and moisture-dependency of CsLiB <sub>6</sub> O <sub>10</sub> . A new phase, <sup>12</sup> -CsLiB <sub>6</sub> O <sub>10</sub> . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014, 229, .	0.8	4
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135	Crystal structure and strong uniaxial negative thermal expansion of CaBi <sub>2</sub> B <sub>2</sub> O <sub>7</sub> borate. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108262.	3.9	4
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137	Low-temperature investigation of natural iron-rich oxoborates vonsenite and hulsite: thermal deformations of crystal structure, strong negative thermal expansion and cascades of magnetic transitions. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 1021-1034.	1.1	4
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149	Thermal order-disorder behaviour in $(\text{Na}_{1-x}\text{K}_x)_4\text{B}_8\text{O}_{14}$ solid solutions investigated by X-ray powder diffraction. <i>Crystal Research and Technology</i> , 2008, 43, 1150-1160.	1.3	2
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164	The Symmetry Statistics of Mineral Species in Various Thermodynamic Environments. Geology of Ore Deposits, 2020, 62, 547-553.	0.7	1
165	The Systematics of Crystal Polymorphic Transformations (Generalized on the Basis of Buerger's $T_j$ ETQq1 1 0.784314 rgBT /Over	0.7	1
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