

Peter Berdonosov

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	New Layered Compounds with the General Composition (MO) (CuSe), Where M = Bi, Nd, Gd, Dy, and BiOCuS: Syntheses and Crystal Structure. Journal of Solid State Chemistry, 1994, 112, 189-191.	1.4	116
2	Powder X-Ray and IR Studies of the New Oxyselenides MOCuSe (M = Bi, Gd, Dy). Journal of Solid State Chemistry, 1995, 118, 74-77.	1.4	56
3	A reinvestigation of quaternary layered bismuth oxyhalides of the SillÅ©n X1 type. Journal of Solid State Chemistry, 2003, 175, 316-321.	1.4	55
4		1.5	54
5	Leadâ€“strontium borate halides with hilgardite-type structure and their SHG properties. Journal of Solid State Chemistry, 2008, 181, 1891-1898.	1.4	53
6	A New Bismuthâ€“Selenium Oxychloride, BiSeO3Cl: Crystal Structure and Dielectric and Nonlinear Optical Properties. Journal of Solid State Chemistry, 2000, 149, 236-241.	1.4	49
7	A Novel Family of Layered Bismuth Compounds. Journal of Solid State Chemistry, 1999, 147, 527-535.	1.4	38
8	Thermodynamic properties, electron spin resonance, and underlying spin model in $YCu_3O_{7-x}SeO_3Cl$ at high pressures. Physical Review B, 2014, 90, .	1.1	31
9	The Crystal Structure of the New REEâ€“Te Oxychlorides: NdTe2O5Cl and GdTe2O5Cl. Journal of Solid State Chemistry, 1999, 146, 473-477.	1.4	35
10	Crystal structures and variable magnetism of $PbCu_2(XO_3)_2Cl_2$ with X = Se, Te. Dalton Transactions, 2013, 42, 9547.	1.6	33
11	Comparative study of helimagnets $MnSi$ and Cu_2O_3 at high pressures. Physical Review B, 2014, 89, .	1.1	31
12	Magnetic, resonance, and optical properties of Cu_3O_2Cl : A rare-earth francisite compound. Physical Review B, 2016, 94, .	1.1	30
13	The crystal structures of $BiTeO_3I$, $NdTeO_3X$ (X=Cl, Br) and $Bi_5Te_8.5I_2$: some crystal chemistry peculiarities of layered $Bi(Ln)_{1-x}Te$ oxyhalides. Solid State Sciences, 2000, 2, 553-562.	1.5	29
14	$Bi_2xLn_xWO_6$: a novel layered structure type related to the Aurivillius phases. Journal of Solid State Chemistry, 2004, 177, 2632-2634.	1.4	28
15	Phase relations and crystal structures in the systems $(Bi,Ln)_2WO_6$ and $(Bi,Ln)_2MoO_6$ (Ln=lanthanide). Journal of Solid State Chemistry, 2006, 179, 3437-3444.	1.4	28
16	Two new lanthanide members of francisite family $Cu_3Ln(SeO_3)_2O_2Cl$ (Ln=Eu, Lu). Journal of Alloys and Compounds, 2016, 685, 442-447.	2.8	25
17	Transition Metal Selenite Halides: A Fascinating Family of Magnetic Compounds. Crystals, 2018, 8, 159.	1.0	25
18	Crystal Structure, Physical Properties, and Electronic and Magnetic Structure of the Spin $S=5/2$ Zigzag Chain Compound $Bi_2Fe(SeO_3)_2O_3Cl_3$. Inorganic Chemistry, 2014, 53, 5830-5838.	1.9	23

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19	Copper lanthanide selenite oxohalides with francisite structure: Synthesis and structural characteristics. Russian Journal of Inorganic Chemistry, 2008, 53, 1353-1358.	0.3	21
20	Structural characterization of lead (II) oxybromide Pb ₃ O ₂ Br ₂ . Materials Research Bulletin, 1996, 31, 717-722.	2.7	19
21	Cs ₇ Nd ₁₁ (SeO ₃) ₁₂ Cl ₁₆ : First Noncentrosymmetric Structure among Alkaline-Metal Lanthanide Selenite Halides. Inorganic Chemistry, 2013, 52, 3611-3619.	1.9	19
22	Static and dynamic magnetic properties of two synthetic francisites Cu ₃ La(SeO ₃) ₂ O ₂ X (X = Br and Cl). Physics and Chemistry of Minerals, 2017, 44, 277-285.	0.3	19
23	Lattice and magnetic instabilities in $Cu_3Bi_3O_{17}$ Interplay of rare-earth and transition-metal subsystems in $Cu_3Bi_3O_{17}$	1.1	17
24	Physical Review B, 2017, 96, . Magnetism of coupled spin tetrahedra in ilinskite-type KCu ₅ O ₂ (SeO ₃) ₂ Cl ₃ . Scientific Reports, 2018, 8, 2379.	1.1	17
25	Strontium-copper selenite chlorides: Synthesis and structural investigation. Journal of Solid State Chemistry, 2009, 182, 2368-2373.	1.4	16
26	Flat-band spin dynamics and phonon anomalies of the saw-tooth spin-chain system $Fe_2O_3SeO_3$ Physical Review B, 2019, 99, .	1.1	16
27	On the crystal structures of SrTeO ₃ . Solid State Sciences, 2006, 8, 830-835.	1.5	14
28	$CaCu_2Fe_2O_{10}$ Physical Review B, 2019, 99, .	1.1	14
29	Structural phase transitions in the kagome lattice based materials Cs _{2x} Rb _x SnCu ₃ F ₁₂ (x = 0, 0.5, 1.0, 1.5). CrystEngComm, 2014, 16, 7419-7425.	1.3	14
30	Novel lanthanoid-cadmium oxide pnictides with the tetragonal LaOAgS structure. Journal of Alloys and Compounds, 1999, 292, 118-123.	2.8	13
31	A reinvestigation of Sillarsite X1-type lead tellurium oxyhalides, Pb ₃ TeO ₄ X ₂ (X = Cl, Br, I). Solid State Sciences, 2006, 8, 1029-1034.	1.5	12
32	A group of new selenite-chlorides of strontium and d-metals (Co,Ni): Synthesis, thermal behavior and crystal chemistry. Journal of Solid State Chemistry, 2009, 182, 77-82.	1.4	12
33	Nd ₂ (SeO ₃) ₂ (SeO ₄)·2H ₂ O a Mixed-Valence Compound containing Selenium in the Oxidation States +IV and +VI. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 1395-1400.	0.6	11
34	Thermodynamic properties and rare-earth spectroscopy of Cu ₃ Nd(SeO ₃) ₂ O ₂ X (X = Cl, Br). Journal of Magnetism and Magnetic Materials, 2019, 492, 165721.	1.0	11
35	Untersuchungen zum System SmOCl/SeO ₂ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2002, 628, 891.	0.6	10

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37	The synthesis and crystal structures of the first rare-earth alkaline-earth selenite chlorides $MNd_{10}(SeO_3)_{12}Cl_8$ ($M=Ca$ and Sr). <i>Journal of Solid State Chemistry</i> , 2007, 180, 3019-3025.	1.4	10
38	Synthesis and Structural Characterization of New Phases in the Cubic $M_3Te_2O_6X_2$ ($M = Sr, Ba; X = Cl, I$)	0.6	10
39	Rare Earth Cadmium Tellurite Chlorides with a Structural Type Exhibiting $[Ln_{12}(TeO_3)_3]_{12}$ Slabs Alternating with $CdCl_6$ Octahedral Layers. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3140-3146.	1.0	9
40	$Cs_7Sm_{11}[TeO_3]_{12}Cl_{16}$ and $Rb_7Nd_{11}[TeO_3]_{12}Br_{16}$, the new tellurite halides of the tetragonal $Rb_6LiNd_{11}[SeO_3]_{12}Cl_{16}$ structure type. <i>Journal of Solid State Chemistry</i> , 2015, 232, 56-61.	1.4	9
41	Synthesis, Structures, and Luminescent Properties of Sodium Rare Earth Metal(III) Chloride Oxotellurates(IV), $Na_2Ln_3Cl_3[TeO_3]_4$ ($Ln = Sm, Y$)	0.6	9
42	$Sr_8M_{1-Eu}(PO_4)_7$ phosphors derived by different synthesis routes: Solid state, sol-gel and hydrothermal, the comparison of properties. <i>Journal of Alloys and Compounds</i> , 2021, 887, 161340.	2.8	9
43	Crystal Structure and SHG Characterization of $\hat{1}^3-BiSeO_3Cl$. <i>Inorganic Materials</i> , 2002, 38, 1291-1296.	0.2	8
44	Hydrothermal synthesis and crystal structure of $ErSeO_3Cl$. <i>Journal of Solid State Chemistry</i> , 2003, 174, 111-115.	1.4	8
45	Synthesis of novel $LaOAgS$ -type cation-deficient bismuth oxyhalides. <i>Journal of Alloys and Compounds</i> , 2006, 413, 40-45.	2.8	8
46	Novel $S = 1/2$ Kagome Lattice Materials: $Cs_2TiCu_3F_{12}$ and $Rb_2TiCu_3F_{12}$. <i>Crystals</i> , 2015, 5, 226-243.	1.0	8
47	Francisites as new geometrically frustrated quasi-two-dimensional magnets. <i>Physics-Uspekhi</i> , 2021, 64, 344-356.	0.8	8
48	$Bi_6(SeO_3)_3O_5Br_2$: A new bismuth oxo-selenite bromide. <i>Journal of Solid State Chemistry</i> , 2012, 196, 232-237.	1.4	7
49	Thermochemische Untersuchungen zum quasibinären System $YbOCl/SeO_2$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 669-677.	0.6	6
50	Magnetic structure study of the sawtooth chain antiferromagnet $Fe_2Se_2O_7$. <i>Scientific Reports</i> , 2021, 11, 24049.	1.6	6
51	Second harmonic generation in boracites. <i>Inorganic Materials</i> , 2005, 41, 393-396.	0.2	5
52	Tricaesium undecalanthanum dodecaselenate(IV) dodecachloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, i29-i31.	0.2	5
53	$SrSeO_3$ from a combined X-ray and neutron powder diffraction study. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, i149-i150.	0.2	5
54	The crystal structure of a new bismuth tellurium oxychloride $Bi_{0.87}Te_{2.04}Cl_{0.87}$ from neutron powder diffraction data. <i>Journal of Solid State Chemistry</i> , 2007, 180, 1533-1537.	1.4	5

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55	Lead (II) selenite halides $Pb_3(SeO_3)_2 X_2$ ($X = Br, I$): Synthesis and crystal structure. Crystallography Reports, 2012, 57, 200-204.	0.1	5
56	Title is missing!. Russian Chemical Bulletin, 2003, 52, 98-102.	0.4	4
57	Magnetic hyperfine interactions in a sawtooth chain iron oxoselenite $Fe_2O(SeO_3)_2$: Experimental and theoretical Investigation. Journal of Alloys and Compounds, 2020, 822, 153549.	2.8	4
58	Synthesis and crystal structure of $Fe[(Te_{1.5}Se_{0.5})O_5]Cl$, the first iron compound with selenate(IV) and tellurate(IV) groups. Solid State Sciences, 2017, 74, 37-43.	1.5	3
59	The complete series of sodium rare-earth metal(III) chloride oxotellurates(IV) $Na_2RE_3Cl_3[TeO_3]_4$ ($RE = Y, La, Nd, Sm, Lu$). Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 341-352.	0.4	3
60	Optical Spectroscopy of Kramers Doublets of an Er^{3+} Ion in a Two-Dimensional Frustrated Magnetic $Cu_3Er(SeO_3)_2O_2Cl$. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2021, 129, 47-50.	0.2	3
61	Preparation of $Pb_2B_5O_9Br$ -based nonlinear optical glass-matrix composites. Inorganic Materials, 2011, 47, 806-809.	0.2	2
62	Short-range and long-range magnetic order in FeO_5Cl . Physical Review B, 2020, 102, .		2
63	$Cu_9O_2(SeO_3)_4Cl_6$ revisited: Crystal structure, Raman scattering and first-principles calculations. Journal of Alloys and Compounds, 2022, 894, 162291.	2.8	2
64	Quasi-doublets of non-Kramers Ho^{3+} ion and magnetic ordering of holmiumfrancisite-analog $Cu_3Ho(SeO_3)_2O_2Cl$. Low Temperature Physics, 2021, 47, 1022-1029.	0.2	2
65	Thermochemical Investigations on the Pseudobinary System $YbOCl/SeO_2$. ChemInform, 2004, 35, no.	0.1	1
66	Strontium nickel and barium nickel selenites: Synthesis and X-ray diffraction parameters. Russian Journal of Inorganic Chemistry, 2010, 55, 6-12.	0.3	1
67	Quasi-1D XY antiferromagnet $Sr_2Ni(SeO_3)_2Cl_2$ at Sakai-Takahashi phase diagram. Scientific Reports, 2021, 11, 15002.	1.6	1
68	Synthesis and Powder X-Ray Diffraction Analysis of New Mixed Rare-Earth and Selenium Oxychlorides with Composition $LnSeO_3Cl$. ChemInform, 2003, 34, no.	0.1	0
69	Investigation on the System $SmOBr/SeO_2$. ChemInform, 2003, 34, no.	0.1	0
70	$Nd_2(SeO_3)_2(SeO_4) \cdot 2H_2O$ A Mixed-Valence Compound Containing Selenium in the Oxidation States +IV and +VI. ChemInform, 2004, 35, no.	0.1	0
71	Cadmium copper selenite chloride, $CdCu_2(SeO_3)_2Cl_2$, an insulating spin gap system. Journal of Solid State Chemistry, 2021, 303, 122518.	1.4	0
72	New europium selenate (VI) tetrahydrate: Crystal structure and optical properties. Journal of Solid State Chemistry, 2022, 311, 123090.	1.4	0