

# Sergey M Aksenov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7999241/publications.pdf>

Version: 2024-02-01

151  
papers

1,176  
citations

516215

16  
h-index

676716

22  
g-index

152  
all docs

152  
docs citations

152  
times ranked

757  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ca <sub>8</sub> MgSm <sub>1</sub> (PO <sub>4</sub> ) <sub>7</sub> :xEu <sup>3+</sup> , promising red phosphors for WLED application. <i>Journal of Alloys and Compounds</i> , 2019, 776, 897-903.	2.8	45
2	Structural and chemical complexity of minerals: an update. <i>Mineralogical Magazine</i> , 2022, 86, 183-204.	0.6	34
3	FA <sub>2</sub> PbBr <sub>4</sub> : Synthesis, Structure, and Unusual Optical Properties of Two Polymorphs of Formamidinium-Based Layered (110) Hybrid Perovskite. <i>Chemistry of Materials</i> , 2021, 33, 1900-1907.	3.2	33
4	Complexity of Uranyl Peroxide Cluster Speciation from Alkali-Directed Oxidative Dissolution of Uranium Dioxide. <i>Inorganic Chemistry</i> , 2018, 57, 9296-9305.	1.9	29
5	Crystal growth, structure, infrared spectroscopy, and luminescent properties of rare-earth gallium borates RGa <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> , R=Nd, Sm <sup>2+</sup> Er. <i>Optical Materials</i> , 2015, 49, 304-311.	1.7	28
6	Structural chemistry, IR spectroscopy, properties, and genesis of natural and synthetic microporous cancrinite- and sodalite-related materials: A review. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111098.	2.2	27
7	Luminescence of Eu <sup>3+</sup> as a probe for the determination of the local site symmetry in $\bar{1}^2$ -Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> -related structures. <i>CrystEngComm</i> , 2019, 21, 5235-5242.	1.3	24
8	Lileyite, Ba <sub>2</sub> (Na,Fe,Ca) <sub>3</sub> MgTi <sub>2</sub> (Si <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> O <sub>2</sub> F <sub>2</sub> , a new lamprophyllite-group mineral from the Eifel volcanic area, Germany. <i>European Journal of Mineralogy</i> , 2012, 24, 181-188.	0.4	23
9	Metavivianite, Fe <sup>2+</sup> Fe <sup>3+</sup> <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> (OH) <sub>2</sub> ·6H <sub>2</sub> O: new data and formula revision. <i>Mineralogical Magazine</i> , 2012, 76, 725-741.		
10	Crystal chemistry of silicates with three-layer TOT and HOH modules of layered, chainlike, and mixed types. <i>Crystallography Reports</i> , 2011, 56, 910-934.	0.1	19
11	Complexity Parameters for Molecular Solids. <i>Symmetry</i> , 2021, 13, 1399.	1.1	19
12	The crystal structure of emmerichite $\bar{1}^2$ 2Na <sub>3</sub> Fe <sub>3</sub> Ti <sub>2</sub> (Si <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> O <sub>2</sub> F <sub>2</sub> , a new lamprophyllite-group mineral. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014, 229, 1-7.	0.4	18
13	Role of the Eu <sup>3+</sup> Distribution on the Properties of $\bar{1}^2$ -Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> Phosphors: Structural, Luminescent, and <sup>151</sup> Eu Mössbauer Spectroscopy Study of Ca <sub>9.5</sub> Eu <sub>1.5</sub> MgEu <sub>7</sub> (PO <sub>4</sub> ) <sub>7</sub> . <i>Inorganic Chemistry</i> , 2021, 60, 2061-2071.	1.9	18
14	Antipinite, KNa <sub>3</sub> Cu <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> ) <sub>4</sub> , a new mineral species from a guano deposit at Pabellón de Pica, Chile. <i>Mineralogical Magazine</i> , 2015, 79, 1111-1121.	0.6	17
15	The evidence of hydrated proton in eudialyte group minerals based on Raman spectroscopy data. <i>Journal of Raman Spectroscopy</i> , 2022, 53, 1188-1203.	1.2	17
16	Schallerite, Ba <sub>2</sub> Na(Mn,Ca)(Fe <sup>3+</sup> ,Mg,Fe <sup>2+</sup> ) <sub>2</sub> Ti <sub>2</sub> (Si <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> (O,F) <sub>4</sub> , a new mineral species from the Eifel volcanic district, Germany. <i>Geology of Ore Deposits</i> , 2011, 53, 767-774.	0.2	16
17	Mahnite, (NH <sub>4</sub> ) <sub>2</sub> K <sub>2</sub> Na(SO <sub>4</sub> ) <sub>2</sub> , a new guano mineral from Pabellón de Pica, Chile. <i>Mineralogy and Petrology</i> , 2015, 109, 643-648.	0.4	16
18	Ferroelectric crystal Ca <sub>9</sub> Yb(VO <sub>4</sub> ) <sub>7</sub> in the series of Ca <sub>9</sub> R(VO <sub>4</sub> ) <sub>7</sub> non-linear optical materials (R = REE, Bi, Y). <i>Journal of Materials Chemistry C</i> , 2017, 5, 2301-2310.	2.7	16

#	ARTICLE	IF	CITATIONS
19	Sergevanite, $\text{Na}_{15}(\text{Ca}_3\text{Mn}_3)(\text{Na}_2\text{Fe})\text{Zr}_3\text{Si}_2\text{6O}_{72}(\text{OH})_3 \cdot \text{H}_2\text{O}$ , a new eudialyte-group mineral from the Lovozero alkaline massif, Kola Peninsula. <i>Canadian Mineralogist</i> , 2020, 58, 421-436.	0.3	16
20	The crystal site engineering and turning of cross-relaxation in green-emitting $\text{Eu}^{2+}$ - $\text{Ca}_3(\text{PO}_4)_2$ -related phosphors. <i>Journal of Luminescence</i> , 2020, 223, 117196.	1.5	16
21	A new mineral species ferricoronadite, $\text{Pb}[\text{Mn}_6^{4+}(\text{Fe}^{3+}, \text{Mn}^{3+})_2]\text{O}_{16}$ : mineralogical characterization, crystal chemistry and physical properties. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 503-514.	0.3	15
22	Almeidaite, $\text{Pb}(\text{Mn}, \text{Y})\text{Zn}_2(\text{Ti}, \text{Fe}^{3+})_{18}\text{O}_{36}(\text{O}, \text{OH})_2$ , a new crichtonite-group mineral, from Novo Horizonte, Bahia, Brazil. <i>Mineralogical Magazine</i> , 2015, 79, 269-283.	0.6	14
23	Topology-symmetry law of structure of natural titanosilicate micas and related heterophyllosilicates based on the extended OD theory: Structure prediction. <i>Crystallography Reports</i> , 2015, 60, 1-15.	0.1	14
24	Crystal structure of Sch $\frac{1}{4}$ llerite, a new mineral of the heterophyllosilicate family. <i>Doklady Chemistry</i> , 2011, 437, 90-94.	0.2	13
25	The crystal chemistry of lamprophyllite-related minerals: a review. <i>European Journal of Mineralogy</i> , 2016, 28, 915-930.	0.4	13
26	Crystal Structures of Endotaxial Phases in Europium Potassium Silicate Having a Pellyite Unit Cell. <i>Crystallography Reports</i> , 2010, 55, 1041-1049.	0.1	12
27	Lahnsteinite, $\text{Zn}_4(\text{SO}_4)(\text{OH})_6 \cdot 3\text{H}_2\text{O}$ , a new mineral from the Friedrichsseggen Mine, Germany. <i>Geology of Ore Deposits</i> , 2013, 55, 663-668.	0.2	12
28	Novel laser crystals in $\text{Ca}_9\text{Y}(\text{VO}_4)_{7-x}(\text{PO}_4)_x$ mixed system. <i>Journal of Alloys and Compounds</i> , 2017, 708, 285-293.	2.8	12
29	Crystal structure of a new mineral lahnsteinite $\text{Zn}_4(\text{SO}_4)(\text{OH})_6 \cdot 3\text{H}_2\text{O}$ . <i>Crystallography Reports</i> , 2012, 57, 737-741.	0.1	11
30	Crystal structure of g $\frac{1}{4}$ nterblässite, a new mineral with a triple tetrahedral layer. <i>Doklady Chemistry</i> , 2012, 442, 57-62.	0.2	11
31	Crystal structure and genesis of the hydrated analog of rastsvetaevite. <i>Crystallography Reports</i> , 2015, 60, 831-840.	0.1	11
32	Calcinaksite, $\text{KNaCa}(\text{Si}_4\text{O}_{10})\text{H}_2\text{O}$ , a new mineral from the Eifel volcanic area, Germany. <i>Mineralogy and Petrology</i> , 2015, 109, 397-404.	0.4	11
33	Eleonorite, $\text{Fe}_6^{3+}(\text{PO}_4)_4\text{O}(\text{OH})_4 \cdot 6\text{H}_2\text{O}$ : validation as a mineral species and new data. <i>Mineralogical Magazine</i> , 2017, 81, 61-76.	0.6	11
34	A novel family of microporous uranyl germanates: Framework topology and complexity of the crystal structures. <i>Journal of Solid State Chemistry</i> , 2019, 271, 126-134.	1.4	11
35	Critical Molecular Coordination Numbers in the Structural Class P21/c, Z = 4(1). <i>Moscow University Chemistry Bulletin</i> , 2021, 76, 325-333.	0.2	11
36	Synthesis, crystal structure and luminescence properties of novel microporous europium silicate $\text{Eu}_6\text{Eu}_3^+[\text{Si}_{10}\text{O}_{25}]$ with a framework formed of nano-scale tubes. <i>Microporous and Mesoporous Materials</i> , 2013, 182, 95-101.	2.2	10

#	ARTICLE	IF	CITATIONS
37	A new mineral species rosovskyite, (Fe <sup>3+</sup> ,Ta)(Nb,Ti)O <sub>4</sub> : crystal chemistry and physical properties. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 825-833.	0.3	10
38	The new mineral fluorbarytolamprophyllite, (Ba,Sr,K) <sub>2</sub> [(Na,Fe <sup>2+</sup> ) <sub>3</sub> TiF <sub>2</sub> ][Ti <sub>2</sub> (Si <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> O <sub>2</sub> ] and chemical evolution of lamprophyllite-group minerals in agpaitic syenites of the Kola Peninsula. <i>Mineralogy and Petrology</i> , 2019, 113, 533-553.	0.4	10
39	Crystal chemistry of compounds with lanthanide based microporous heteropolyhedral frameworks: Synthesis, crystal structures, and luminescence properties of novel potassium cerium and erbium silicates. <i>Microporous and Mesoporous Materials</i> , 2019, 284, 25-35.	2.2	10
40	Crystal structure and topological features of manganonaujakasite, a mineral with microporous heteropolyhedral framework related to AlPO-25 (ATV). <i>Microporous and Mesoporous Materials</i> , 2019, 279, 128-132.	2.2	10
41	New Data on the Isomorphism in Eudialyte-Group Minerals. V: Crystal Structure of an Intermediate Member of the Manganoeudialyte-Ilyukhinite Isomorphous Series. <i>Crystallography Reports</i> , 2020, 65, 27-32.	0.1	10
42	Computational analysis of apatite-type compounds for band gap engineering: DFT calculations and structure prediction using tetrahedral substitution. <i>Rare Metals</i> , 2021, 40, 3694-3700.	3.6	10
43	G <sub>1/4</sub> nterblassite, (K,Ca) <sub>3</sub> x Fe[(Si,Al) <sub>13</sub> O <sub>25</sub> (OH,O) <sub>4</sub> ] · 7H <sub>2</sub> O, a new mineral: the first phyllosilicate with triple tetrahedral layer. <i>Geology of Ore Deposits</i> , 2012, 54, 656-662.	0.2	9
44	Crystal-structure refinement of zirconium-rich eudialyte and its place among calcium-poor eudialyte-group minerals. <i>Crystallography Reports</i> , 2013, 58, 671-677.	0.1	9
45	Structure of calcinaksite KNa[Ca(H <sub>2</sub> O)] <sub>4</sub> [Si <sub>4</sub> O <sub>10</sub> ], the first hydrous member of the litidionite group of silicates with [Si <sub>8</sub> O <sub>20</sub> ] <sup>8-</sup> tubes. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 768-775.	0.5	9
46	Alumovesuvianite, Ca <sub>19</sub> Al(Al,Mg) <sub>12</sub> Si <sub>18</sub> O <sub>69</sub> (OH) <sub>9</sub> , a new vesuvianite-group member from the Jeffrey mine, asbestos, Estrie region, Québec, Canada. <i>Mineralogy and Petrology</i> , 2017, 111, 833-842.	0.4	9
47	Synthesis, crystal structure, vibrational spectroscopy and expected magnetic properties of a new bismuth nickel phosphate Ni(BiO) <sub>2</sub> (PO <sub>4</sub> )(OH) with a namibite-type structure. <i>Solid State Sciences</i> , 2017, 63, 16-22.	1.5	9
48	Ilyukhinite (H <sub>3</sub> O,Na) <sub>14</sub> Ca <sub>6</sub> Mn <sub>2</sub> Zr <sub>3</sub> Si <sub>26</sub> O <sub>72</sub> (OH) <sub>2</sub> · 3H <sub>2</sub> O, a New Mineral of the Eudialyte Group. <i>Geology of Ore Deposits</i> , 2017, 59, 592-600.	0.2	9
49	Pure, lithium- or magnesium-doped ferroelectric single crystals of Ca <sub>9</sub> Y(VO <sub>4</sub> ) <sub>7</sub> : cation arrangements and phase transitions. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 453-462.	0.4	9
50	Framework Polymorphism and Modular Crystal Structures of Uranyl Vanadates of Divalent Cations: Synthesis and Characterization of M(UO <sub>2</sub> )(VO <sub>2</sub> O <sub>7</sub> ) (M) Tj ETQg 0 0 0 rgBT /Overlock <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 981-987.	0.6	9
51	Isovalent and aliovalent cation substitutions in the anion sublattice of whitlockite-type ferroelectrics Ca <sub>9</sub> RE(VO <sub>4</sub> ) <sub>7</sub> with RE =Y and Yb. <i>Journal of Solid State Chemistry</i> , 2019, 279, 120966.	1.4	9
52	Ferroelectricity, ionic conductivity and structural paths for large cation migration in Ca <sub>10.5</sub> xPbx(VO <sub>4</sub> ) <sub>7</sub> single crystals, x= 1.9, 3.5, 4.9. <i>CrystEngComm</i> , 2019, 21, 1309-1319.	1.3	9
53	Symmetry Inhomogeneity of Ca <sub>9</sub> xZnxEu(PO <sub>4</sub> ) <sub>7</sub> Phosphor Determined by Second-Harmonic Generation and Dielectric and Photoluminescence Spectroscopy. <i>Crystal Growth and Design</i> , 2020, 20, 6461-6468.	1.4	9
54	TOPOLOGICAL FEATURES OF BOROPHOSPHATES WITH MIXED FRAMEWORKS: SYNTHESIS, CRYSTAL STRUCTURE OF FIRST ALUMINUM AND LITHIUM BOROPHOSPHATE Li <sub>3</sub> {Al <sub>2</sub> [BP <sub>4</sub> O <sub>16</sub> ]} · 2H <sub>2</sub> O AND COMPARATIVE CRYSTAL CHEMISTRY. <i>Journal of Structural Chemistry</i> , 2020, 61, 1760-1785.	0.3	9

#	ARTICLE	IF	CITATIONS
55	Perrierite-(La), (La,Ce,Ca) <sub>4</sub> (Fe <sub>2+</sub> ,Mn)(Ti,Fe <sub>3+</sub> ,Al) <sub>4</sub> (Si <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> O <sub>8</sub> , a new mineral species from the Eifel volcanic district, Germany. <i>Geology of Ore Deposits</i> , 2012, 54, 647-655.	0.2	8
56	A new hydrogen-containing whitlockite-type phosphate Ca <sub>9</sub> (Fe <sub>0.63</sub> Mg <sub>0.37</sub> )H <sub>0.37</sub> (PO <sub>4</sub> ) <sub>7</sub> : hydrothermal synthesis and structure. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014, 229, 823-830.	0.4	8
57	Magnesiovoltaite, K <sub>2</sub> Mg <sub>5</sub> Fe <sub>3</sub> ·3Al(SO <sub>4</sub> ) <sub>12</sub> ·18H <sub>2</sub> O, a new mineral from the Alcaparrosa mine, Antofagasta region, Chile. <i>European Journal of Mineralogy</i> , 2016, 28, 1005-1017.	0.4	8
58	X-ray diffraction and spectroscopic study of wiluite: implications for the vesuvianite-group nomenclature. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 577-593.	0.3	8
59	Ferrorhodonite, CaMn <sub>3</sub> Fe[Si <sub>5</sub> O <sub>15</sub> ], a new mineral species from Broken Hill, New South Wales, Australia. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 323-334.	0.3	8
60	Siudaite, Na <sub>8</sub> (Mn <sub>2</sub> +2Na)Ca <sub>6</sub> Fe <sub>3</sub> +3Zr <sub>3</sub> NbSi <sub>25</sub> O <sub>74</sub> (OH) <sub>2</sub> Cl·5H <sub>2</sub> O: a new eudialyte-group mineral from the Khibiny alkaline massif, Kola Peninsula. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 745-758.	0.3	8
61	Structural unit charge density and molecular cation templating effects on orientational geometric isomerism and interlayer spacing in 2-D uranyl sulfates. <i>Journal of Solid State Chemistry</i> , 2018, 266, 286-296.	1.4	8
62	The role of local heteropolyhedral substitutions in the stoichiometry, topological characteristics and ion-migration paths in the eudialyte-related structures: a quantitative analysis. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2022, 78, 80-90.	0.5	8
63	Towards a revisit of vesuvianite-group nomenclature: the crystal structure of Ti-rich vesuvianite from Alchuri, Shigar Valley. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016, 72, 744-752.	0.5	7
64	Crystal structure of ilyukhinite, a new mineral of the eudialyte group. <i>Crystallography Reports</i> , 2017, 62, 60-65.	0.1	7
65	Microporous crystal structure of labuntsovite-Fe and high-pressure behavior up to 23 GPa. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018, 74, 1-11.	0.5	7
66	Bi <sub>3</sub> (PO <sub>4</sub> ) <sub>3</sub> O <sub>3</sub> , the Simplest Bismuth(III) Oxophosphate: Synthesis, IR Spectroscopy, Crystal Structure, and Structural Complexity. <i>Inorganic Chemistry</i> , 2018, 57, 6799-6802.	1.9	7
67	Crystal Structure of Cl-Deficient Analogue of Taseqite from Odikhincha Massif. <i>Crystallography Reports</i> , 2018, 63, 349-357.	0.1	7
68	The lithium“water configuration encapsulated by uranyl peroxide cage cluster U <sub>24</sub> . <i>CrystEngComm</i> , 2019, 21, 390-393.	1.3	7
69	Novel Dy <sup>3+</sup> -doped Ge <sup>4+</sup> -substituted apatite-type phosphors, Ca <sub>9</sub> La(PO <sub>4</sub> ) <sub>5</sub> [(Si <sub>1</sub> -Ge O <sub>4</sub> )]F <sub>2</sub> :Dy <sup>3+</sup> : Synthesis, structure, crystal chemical features, and luminescent properties. <i>Ceramics International</i> , 2021, 47, 23300-23308.	2.3	7
70	Complexity of Molecular Nets: Topological Approach and Descriptive Statistics. <i>Symmetry</i> , 2022, 14, 220.	1.1	7
71	Crystal structure of almeidaite, a new mineral of the crichtonite group. <i>Doklady Chemistry</i> , 2014, 455, 53-57.	0.2	6
72	Crystal structure of manganese-rich variety of eudialyte from Suchina Hill, India, and manganese ordering in eudialyte-group minerals. <i>Crystallography Reports</i> , 2014, 59, 146-154.	0.1	6

#	ARTICLE	IF	CITATIONS
73	Roymillerite, $Pb_{24}Mg_9(Si_9AlO_{28})(SiO_4)(BO_3)(CO_3)_{10}(OH)_{14}O_4$ , a new mineral: mineralogical characterization and crystal chemistry. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 685-699.	0.3	6
74	A Novel Sodium and Chromium Borophosphate $Na\{Cr[BP_2O_7(OH)_3]\}$ : Synthesis, Crystal Structure, Hydrogen Bonding, and Comparative Crystal Chemistry. <i>Crystallography Reports</i> , 2019, 64, 228-238.	0.1	6
75	Odikhinchaite, $Na_9Sr_3[(H_2O)_2Na]Ca_6Mn_3Zr_3NbSi(Si_{24}O_{72})O(OH)_3(CO_3)\cdot H_2O$ , a New Eudialyte-Group Mineral from the Odikhincha Intrusion, Taimyr Peninsula, Russia. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1062.	0.8	6
76	The $Na_{2n}H_n[Zr(Si_2O_7)]_m \cdot mH_2O$ Minerals and Related Compounds ( $n = 0\text{--}0.5$ ; $m = 0.1$ ): Structure Refinement, Framework Topology, and Possible $Na^+$ -Ion Migration Paths. <i>Crystals</i> , 2020, 10, 1016.	1.0	6
77	Polytypism of Compounds with the General Formula $Cs\{Al_2[TP_6O_{20}]\}$ ( $T = B, Al$ ): OD (Order-Disorder) Description, Topological Features, and DFT-Calculations. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 708.	0.8	6
78	Who Is Who in the Eudialyte Group: A New Algorithm for the Express Allocation of a Mineral Name Based on the Chemical Composition. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 224.	0.8	6
79	“Ellestadite”-type anionic $[PO_4]^{3-}$ / $[SO_4]^{2-}$ substitutions in $\hat{I}^2$ - $Ca_3(PO_4)_2$ type compounds: A new route to design the inorganic phosphors. <i>Ceramics International</i> , 2022, 48, 24012-24020.	2.3	6
80	Synthesis, crystal structure refinement, and nonlinear-optical properties of $CaB_3O_5(OH)$ : Comparative crystal chemistry of calcium triborates. <i>Crystallography Reports</i> , 2015, 60, 649-655.	0.1	5
81	The first layer potassium-bismuth-nickel oxophosphate $KBi_4Ni_2(PO_4)_3O_4$ : Synthesis, crystal structure, and expected magnetic properties. <i>Crystallography Reports</i> , 2017, 62, 382-390.	0.1	5
82	New Data on the Isomorphism in Eudialyte-Group Minerals. II. Refinement of the Aqualite Crystal Structure at 110 K. <i>Crystallography Reports</i> , 2018, 63, 891-896.	0.1	5
83	$Rb_2[Ca(NpO)_2]_2(PO_4)_2$ , the First Mixed Alkali Alkaline Earth Metals Neptunyl(V) Phosphate: Crystal Chemistry and Sheet Stereoisomerism. <i>Crystal Growth and Design</i> , 2018, 18, 7254-7258.	1.4	5
84	3T polytype of an iron-rich oxyphlogopite from the Bartoy volcanic field, Transbaikalia: $M\ddot{A}$ rssbauer, infrared, Raman spectroscopy, and crystal structure. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 899-908.	0.3	5
85	Synthesis and Crystal Structure of $Rb_{1.5}(NH_4)_{0.5}\{Cu(P_2O_7)\}$ : Comparative Crystal Chemistry and Topology Symmetry Analysis in Terms of Extended OD Theory. <i>Crystallography Reports</i> , 2019, 64, 239-246.	0.1	5
86	The role of 1-ethyl-3-methylimidazolium diethyl phosphate ionic liquid in uranyl phosphate compounds. <i>Journal of Solid State Chemistry</i> , 2019, 279, 120938.	1.4	5
87	$U_3H_2(SO_4)_7(H_2O)_5 \cdot 3H_2O$ and $U_3(UO_2)_0.2(SO_4)_6(OH)_{0.4} \cdot 2.3H_2O$ with Framework Structures by the Photochemical Reduction of Uranyl. <i>Inorganic Chemistry</i> , 2020, 59, 1950.	1.9	5
88	Ion exchange properties of natural titanium silicate caryochroite $(Na,Sr)_3\{(Fe,Mg)_2 + 10(OH)_6[TiO(Si_6O_{17})(OH)_{0.5}]_2\} \cdot 8H_2O$ with a 1D system of parallel wide channels: Experimental study and theoretical analysis of the topochemical mechanisms. <i>Microporous and Mesoporous Materials</i> , 2021, 312, 110776.	2.2	5
89	Ionothermal Synthesis of Uranyl Vanadate Nanoshell Heteropolyoxometalates. <i>Inorganic Chemistry</i> , 2021, 60, 3355-3364.	1.9	5
90	Potassium rare-earth tellurite chlorides: A new branch from the old root. <i>Solid State Sciences</i> , 2022, 129, 106895.	1.5	5

#	ARTICLE	IF	CITATIONS
91	Crystal structure of the Mn analogue of raslakite, a new representative of the eudialyte group. Doklady Chemistry, 2010, 431, 76-81.	0.2	4
92	Crystal structure of zircono-niobosilicate with Ti-centered Si <sub>9</sub> O <sub>27</sub> rings as a new member of the eudialyte group. Doklady Physical Chemistry, 2010, 432, 106-110.	0.2	4
93	Iron-rich sch��llerite from Kahlenberg (Eifel, Germany): Crystal structure and relation to lamprophyllite-group minerals. Crystallography Reports, 2014, 59, 867-873.	0.1	4
94	Variations in the chemical composition of lamprophyllite-group minerals and the crystal structure of fluorine-rich barytolamprophyllite from new peralkaline dyke. Crystallography Reports, 2015, 60, 821-830.	0.1	4
95	Mendigite, Mn <sub>2</sub> Mn <sub>2</sub> MnCa(Si <sub>3</sub> O <sub>9</sub> ) <sub>2</sub> , a new mineral species of the bustamite group from the Eifel volcanic region, Germany. Geology of Ore Deposits, 2015, 57, 721-731.	0.2	4
96	Iron-rich bustamite from Broken Hill, Australia: The crystal structure and cation-ordering features. Crystallography Reports, 2015, 60, 340-345.	0.1	4
97	New insights into the crystal chemistry of agardite-(Ce): refinement of the crystal structure, hydrogen bonding, and epitaxial intergrowths with the Sb-analogue of auriacusite. Physics and Chemistry of Minerals, 2018, 45, 39-50.	0.3	4
98	Mn-bearing eleonorite from Hagendorf South pegmatite, Germany: crystal structure and crystal-chemical relationships with other beraunite-type phosphates. Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 469-477.	0.4	4
99	Thermal polycondensation of hexakis(p-acetylphenoxy)-cyclotriphosphazene. Mendeleev Communications, 2019, 29, 99-101.	0.6	4
100	New apatite-type phosphor Ca <sub>9</sub> La(PO <sub>4</sub> ) <sub>5</sub> (SiO <sub>4</sub> ) <sub>2</sub> Tb <sup>3+</sup> Dy <sup>3+</sup> with improved color rendering index. Journal of the American Ceramic Society, 2020, 103, 2602-2609.	0.9	4
101	Insights into crystal chemistry of the vesuvianite-group: manaevite-(Ce), a new mineral with complex mechanisms of its hydration. Physics and Chemistry of Minerals, 2020, 47, 1.	0.3	4
102	Topological Features of the Alluaudite-Type Framework and Its Derivatives: Synthesis and Crystal Structure of NaMnNi <sub>2</sub> (H <sub>2</sub> /3PO <sub>4</sub> ) <sub>3</sub> . Crystals, 2021, 11, 237.	1.0	4
103	Crystal structure of hydrogen-bearing vuonnemite from the Lovozero alkaline massif. Crystallography Reports, 2011, 56, 407-410.	0.1	3
104	Crystal structures and luminescence properties of novel compounds K <sub>4</sub> M <sub>2</sub> [Al <sub>2</sub> Si <sub>8</sub> O <sub>24</sub> ] (M = Ce, Gd). Crystallography Reports, 2013, 58, 835-841.	0.1	3
105	Ordering of calcium and vacancies in calcium catapleiite CaZr[Si <sub>3</sub> O <sub>9</sub> ] · 2H <sub>2</sub> O. Crystallography Reports, 2016, 61, 376-382.	0.1	3
106	Crystal structure of modular sodium-rich and low-iron eudialyte from Lovozero alkaline massif. Crystallography Reports, 2016, 61, 779-785.	0.1	3
107	Synthesis and crystal structure of Fe[(Te 1.5 Se 0.5 )O <sub>5</sub> ]Cl, the first iron compound with selenate(IV) and tellurate(IV) groups. Solid State Sciences, 2017, 74, 37-43.	1.5	3
108	Crystal structure of the OH-dominant gadolinite-(Y) analogue (Y,Ca) <sub>2</sub> (Fe,��)Be <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> (OH,O) <sub>2</sub> from Heftetjern pegmatite, Norway. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 899-906.	0.5	3

#	ARTICLE	IF	CITATIONS
109	Modular structure of highly ordered eudialyte and its place among hydrated minerals of rastsvetaevite family. <i>Crystallography Reports</i> , 2017, 62, 551-557.	0.1	3
110	Synthesis, IR spectroscopy and crystal structure of $[(UO_2)_2]_2\{Be(H_2O)_2(PO_4)_2\} \cdot (H_2O)$ , the first compound with a trimer beryllophosphate anion. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 391-398.	0.4	3
111	Synthesis and crystal structure of chromium-bearing anhydrous wadsleyite. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 361-366.	0.3	3
112	New Data on Isomorphism in Eudialyte-Group Minerals. I. Crystal Structure of Titanium-Rich Eudialyte from the Kovdor Alkaline Massif. <i>Crystallography Reports</i> , 2018, 63, 563-569.	0.1	3
113	$Rb_2CaCu_6(PO_4)_4O_2$ , a novel oxophosphate with a shchurovskyite-type topology: synthesis, structure, magnetic properties and crystal chemistry of rubidium copper phosphates. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 903-913.	0.5	3
114	New Data on the Isomorphism in Eudialyte-Group Minerals. VI: Crystal Structure of the First Member Containing Sulfide Anion with Isomorphic Substitution $Cl \leftrightarrow S^{2-}$ . <i>Crystallography Reports</i> , 2020, 65, 215-222.	0.1	3
115	Synthesis, crystal structure and topological features of microporous $\alpha$ -anti-zeolite $Yb_3(BO_3)(OH)6 \cdot 2.1H_2O$ , a new cubic borate with isolated $BO_3$ groups. <i>Microporous and Mesoporous Materials</i> , 2020, 300, 110147.	2.2	3
116	Crystal chemistry of lamprophyllite-group minerals from the Murun alkaline complex (Russia) and pegmatites of Rocky Boy and Gordon Butte (USA): single crystal X-ray diffraction and Raman spectroscopy study. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 287-298.	0.5	3
117	Zr-Rich Eudialyte from the Lovozero Peralkaline Massif, Kola Peninsula, Russia. <i>Minerals (Basel)</i> , Tj ETQq1 1 0.784314 rgBT /Oyerlock	0.8	3
118	The role of anionic heterovalent $[PO_4]^{3-}$ $\leftrightarrow$ $[GeO_4]^{4-}$ substitution on the luminescence properties of inorganic phosphors with the $\beta$ - $Ca_3(PO_4)_2$ -type structure: new data based on accurate crystal structure refinement. <i>Dalton Transactions</i> , 2022, 51, 655-663.	1.6	3
119	Polymorphism, polytypism and modular aspect of compounds with the general formula $A_2M_3T_4O_{16}$ ( $A = Na, Rb, Cs, Ca$ ). <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2022, 78, 61-69.	0.5	3
120	Polymorphism and topological features of compounds with the general formula $A_2M_3T_4O_{16}$ . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2022, 78, 61-69.	1.4	3
121	Tashegite, $CaMgFe_2Al_9O_{16}(OH)$ , a new mineral species from calc-skarnoid in Gorny Shoria. <i>Geology of Ore Deposits</i> , 2011, 53, 751-757.	0.2	2
122	The $Fe^{2+}/Fe^{3+}$ ratio in natural and heat-treated iron-rich eudialytes. <i>Crystallography Reports</i> , 2011, 56, 202-209.	0.1	2
123	The first crystal structure determination of metavivianite $Fe^{2+}Fe^{3+}_2(PO_4)_2(OH)_2 \cdot 6H_2O$ . <i>Doklady Physical Chemistry</i> , 2012, 445, 101-104.	0.2	2
124	Osumilite-(Mg): Validation as a mineral species and new data. <i>Geology of Ore Deposits</i> , 2013, 55, 587-593.	0.2	2
125	Ferroindialite $(Fe^{2+}, Mg)_2Al_4Si_5O_{18}$ , a new beryl-group mineral from the Eifel volcanic region, Germany. <i>Geology of Ore Deposits</i> , 2014, 56, 637-643.	0.2	2
126	Ferro-pedrizite, $NaLi_2(Fe^{2+} + 2Al_2Li)Si_8O_{22}(OH)_2$ , a new amphibole-supergroup mineral from the Sutlug pegmatite, Tyva Republic, Russia. <i>European Journal of Mineralogy</i> , 2015, 27, 417-426.	0.4	2



#	ARTICLE	IF	CITATIONS
127	Riotintoite, Al(SO <sub>4</sub> )(OH)·3H <sub>2</sub> O, A New Mineral From La Vendida Copper Mine, Antofagasta Region, Chile. Canadian Mineralogist, 2016, 54, 1293-1305.	0.3	2
128	The crystal structure of a fluorine-dominant titanium calcium amphibole from the Eifel paleovolcanic area, Germany. Zeitschrift Fur Kristallographie - Crystalline Materials, 2016, 231, 385-390.	0.4	2
129	Pyroxenoids of pyroxmangite-pyroxferroite series from xenoliths of Bellerberg paleovolcano (Eifel, Germany). American Mineralogist, 2016, 61, 931-939.	0.784314	2
130	Influence of lithium and magnesium on the real structure and dielectric properties of Ca <sub>9</sub> Y(VO <sub>4</sub> ) <sub>7</sub> single crystals. CrystEngComm, 2018, 20, 6310-6318.	1.3	2
131	New Data on the Isomorphism in Eudialyte-Group Minerals. IV: Modular Structure of Titanosilicate with Replacement of Na by Mn in the Alluaivite Module. Crystallography Reports, 2019, 64, 586-589.	0.1	2
132	Compressibility of two Na-rich clinopyroxenes: A synchrotron single-crystal X-ray diffraction study. American Mineralogist, 2019, 104, 905-913.	0.9	2
133			

#	ARTICLE	IF	CITATIONS
145	Dachiardite-K, $(K_2Ca)(Al_4Si_2O_{48}) \cdot 13H_2O$ , a new zeolite from Eastern Rhodopes, Bulgaria. <i>Geology of Ore Deposits</i> , 2016, 58, 666-673.	0.2	0
146	New Data on the Isomorphism in Eudialyte-Group Minerals. III: Modular Structure of K Analog of Centrosymmetric Labyrinthite. <i>Crystallography Reports</i> , 2019, 64, 222-227.	0.1	0
147	Crystal structure features of Mn- and Sr-rich eudialyte from Sushina Hill, India. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, s435-s435.	0.3	0
148	A Review of a Textbook on Crystallography: Zavalov E.N. "Crystallography: basic concepts about crystals, crystalline matter, and methods of their study. Tasks on geometrical crystallography and analysis of their solutions." M.: KDU, Universitetskaya kniga, 2016, 314 p.: tables, figures.. Moscow University Geology Bulletin, 2020, 75, 652-654.	0.0	0
149	Topological Features of $A+B_2+[B_5O_9]$ Layered Pentaborates: Structural Changes in $NaSr[B_5O_9]$ at High Temperatures or Why $KCa[B_5O_9]$ Is Unstable?. <i>Crystal Growth and Design</i> , 2022, 22, 976-981.	1.4	0
150	Whitlockite-Type Structure as a Matrix for Optical Materials: Synthesis and Characterization of Novel TM-SM Co-Doped Phosphate $Ca_9Gd(PO_4)_7$ , a Single-Phase White Light Phosphors. <i>Minerals (Basel)</i> , 2021, 11, 1075.	0.0	0
151	Crystal chemistry and origin of REE-bearing mukhinite from carbonate veins of the Svetlinsky gold deposit, South Urals, Russia. <i>Mineralogical Magazine</i> , 2019, 83, 1-33.	0.6	0