

Sergey V Krivovichev

List of Publications by Year in descending order

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460
papers

9,750
citations

53751

45
h-index

95218

68
g-index

501
all docs

501
docs citations

501
times ranked

3419
citing authors

#	ARTICLE	IF	CITATIONS
1	The Crystal Chemistry of Sulfate Minerals. <i>Reviews in Mineralogy and Geochemistry</i> , 2000, 40, 1-112.	2.2	229
2	Structural complexity of minerals: information storage and processing in the mineral world. <i>Mineralogical Magazine</i> , 2013, 77, 275-326.	0.6	216
3	Anion-Centered Tetrahedra in Inorganic Compounds. <i>Chemical Reviews</i> , 2013, 113, 6459-6535.	23.0	209
4	Which Inorganic Structures are the Most Complex?. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 654-661.	7.2	172
5	Highly Porous Uranyl Selenate Nanotubules. <i>Journal of the American Chemical Society</i> , 2005, 127, 1072-1073.	6.6	168
6	Topological complexity of crystal structures: quantitative approach. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2012, 68, 393-398.	0.3	166
7	Nanoscale Tubules in Uranyl Selenates. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1134-1136.	7.2	144
8	Are the compressive effects of encapsulation an artifact of the bond valence parameters?. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2001, 216, .	0.4	132
9	Combinatorial topology of salts of inorganic oxoacids: zero-, one- and two-dimensional units with corner-sharing between coordination polyhedra. <i>Crystallography Reviews</i> , 2004, 10, 185-232.	0.4	95
10	Syntheses and Crystal Structures of Two Topologically Related Modifications of Cs ₂ [(UO ₂) ₂ (MoO ₄) ₃]. <i>Inorganic Chemistry</i> , 2002, 41, 34-39.	1.9	90
11	A Crown Ether as Template for Microporous and Nanostructured Uranium Compounds. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 549-551.	7.2	89
12	Allabogdanite, (Fe,Ni) ₂ P, a new mineral from the Onello meteorite: The occurrence and crystal structure. <i>American Mineralogist</i> , 2002, 87, 1245-1249.	0.9	86
13	Minerals with antiperovskite structure: a review. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2008, 223, 109-113.	0.4	70
14	Structural complexity and configurational entropy of crystals. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016, 72, 274-276.	0.5	70
15	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. III. NEW STRUCTURAL THEMES IN Na ₆ [(UO ₂) ₂ O(MoO ₄) ₄], Na ₆ [(UO ₂)(MoO ₄) ₄] AND K ₆ [(UO ₂) ₂ O(MoO ₄) ₄]. <i>Canadian Mineralogist</i> , 2001, 39, 197-206.	0.3	69
16	Crystal Chemistry of Rubidium Uranyl Molybdates: Crystal Structures of Rb ₆ [(UO ₂)(MoO ₄) ₄], Rb ₆ [(UO ₂) ₂ O(MoO ₄) ₄], Rb ₂ [(UO ₂)(MoO ₄) ₂], Rb ₂ [(UO ₂) ₂ (MoO ₄) ₃] and Rb ₂ [(UO ₂) ₆ (MoO ₄) ₇ (H ₂ O) ₂]. <i>Journal of Solid State Chemistry</i> , 2002, 168, 245-258.	1.4	68
17	A Novel Open Framework Uranyl Molybdate: A Synthesis and Structure of (NH ₄) ₄ [(UO ₂) ₅ (MoO ₄) ₇](H ₂ O) ₅ . <i>Inorganic Chemistry</i> , 2003, 42, 2459-2464.	1.9	68
18	Na ₂ Li ₈ [(UO ₂) ₁₁ O ₁₂ (WO ₅) ₂]: Three Different Uranyl-Ion Coordination Geometries and Cation-Cation Interactions. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7233-7235.	7.2	68

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19	Earth's Phosphides in Levant and insights into the source of Archean prebiotic phosphorus. <i>Scientific Reports</i> , 2015, 5, 8355.	1.6	68
20	Combinatorial topology of uranyl molybdate sheets: syntheses and crystal structures of $(C_6H_{14}N_2)_3[(UO_2)_5(MoO_4)_8](H_2O)_4$ and $(C_2H_{10}N_2)[(UO_2)(MoO_4)_2]$. <i>Journal of Solid State Chemistry</i> , 2003, 170, 106-117.	1.4	65
21	Structural principles for minerals and inorganic compounds containing anion-centered tetrahedra. <i>American Mineralogist</i> , 1999, 84, 1099-1106.	0.9	62
22	Crystal chemistry of basic lead carbonates. II. Crystal structure of synthetic $\tilde{\text{plumbonacrite}}^{\text{TM}}$. <i>Mineralogical Magazine</i> , 2000, 64, 1069-1075.	0.6	61
23	Actinyl Compounds with Hexavalent Elements (S, Cr, Se, Mo) $\hat{=}$ Structural Diversity, Nanoscale Chemistry, and Cellular Automata Modeling. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 2594-2603.	1.0	60
24	Structural topology of potassium uranyl chromates: crystal structures of $K_8[(UO_2)(CrO_4)_4](NO_3)_2$, $K_5[(UO_2)(CrO_4)_3](NO_3)(H_2O)_3$, $K_4[(UO_2)_3(CrO_4)_5](H_2O)_8$ and $K_2[(UO_2)_2(CrO_4)_3(H_2O)_2](H_2O)_4$. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2003, 218, .	0.4	58
25	One-Dimensional Array of Two- and Three-Center Cation $\hat{=}$ Cation Bonds in the Structure of $Li_4[(UO_2)_{10}O_{10}(Mo_2O_8)]$. <i>Inorganic Chemistry</i> , 2007, 46, 8442-8444.	1.9	58
26	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
27	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. V. TOPOLOGICALLY DISTINCT URANYL DIMOLYBDATE SHEETS IN THE STRUCTURES OF $Na_2[(UO_2)(MoO_4)_2]$ AND $K_2[(UO_2)(MoO_4)_2](H_2O)$. <i>Canadian Mineralogist</i> , 2002, 40, 193-200.	0.3	57
28	Evolution of Structural Complexity In Boron Minerals. <i>Canadian Mineralogist</i> , 2016, 54, 125-143.	0.3	57
29	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. IV. THE STRUCTURES OF $M_2[(UO_2)_6(MoO_4)_7(H_2O)_2]$ ($M =$) Tj $ETQq1$ 1 0.784314 ggf 0.3 56	0.3	56
30	How many boron minerals occur in Earth $\hat{=}$ Ms upper crust?. <i>American Mineralogist</i> , 2017, 102, 1573-1587.	0.9	56
31	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. VIII. CRYSTAL STRUCTURES OF $Na_3Ti_3[(UO_2)(MoO_4)_4]$, $Na_{13-x}Ti_{3+x}[(UO_2)(MoO_4)_3]_4(H_2O)_{6+x}$ ($x = 0.1$), $Na_3Ti_5[(UO_2)(MoO_4)_3]_2(H_2O)_3$ AND $Na_2[(UO_2)(MoO_4)_2](H_2O)_4$. <i>Canadian Mineralogist</i> , 2003, 41, 707-719.	0.3	55
32	Crystal chemistry of lead oxide phosphates: crystal structures of $Pb_4O(PO_4)_2$, $Pb_8O_5(PO_4)_2$ and $Pb_{10}(PO_4)_6O$. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2003, 218, .	0.4	55
33	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. I. THE STRUCTURE AND FORMULA OF UMOHOITE. <i>Canadian Mineralogist</i> , 2000, 38, 717-726.	0.3	54
34	Chiral open-framework uranyl molybdates. 1. Topological diversity: synthesis and crystal structure of $[(C_2H_5)_2NH_2]_2[(UO_2)_4(MoO_4)_5(H_2O)](H_2O)$. <i>Microporous and Mesoporous Materials</i> , 2005, 78, 209-215.	2.2	54
35	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. VI. NEW URANYL MOLYBDATE UNITS IN THE STRUCTURES OF $Cs_4[(UO_2)_3O(MoO_4)_2(MoO_5)]$ AND $Cs_6[(UO_2)(MoO_4)_4]$. <i>Canadian Mineralogist</i> , 2002, 40, 201-209.	0.3	54
36	Crystal chemistry of lead oxide chlorides. I. Crystal structures of synthetic mendipite, $Pb_3O_2Cl_2$, and synthetic damaraite, $Pb_3O_2(OH)Cl$. <i>European Journal of Mineralogy</i> , 2001, 13, 801-809.	0.4	52

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37	Geometrical isomerism in uranyl chromates I. Crystal structures of $(\text{UO}_2)(\text{CrO}_4)(\text{H}_2\text{O})_2$, $[(\text{UO}_2)(\text{CrO}_4)(\text{H}_2\text{O})_2](\text{H}_2\text{O})$ and $[(\text{UO}_2)(\text{CrO}_4)(\text{H}_2\text{O})_2]_4(\text{H}_2\text{O})_9$. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2003, 218, .	0.4	51
38	Derivation of bond-valence parameters for some cation-oxygen pairs on the basis of empirical relationships between $\langle r \rangle$ and $\langle b \rangle$. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2012, 227, 575-579.	0.4	51
39	Crystal chemistry of basic lead carbonates. III. Crystal structures of $\text{Pb}_3\text{O}_2(\text{CO}_3)$ and $\text{NaPb}_2(\text{OH})(\text{CO}_3)_2$. <i>Mineralogical Magazine</i> , 2000, 64, 1077-1087.	0.6	49
40	Geometrical isomerism in uranyl chromates II. Crystal structures of $\text{Mg}_2[(\text{UO}_2)_3(\text{CrO}_4)_5](\text{H}_2\text{O})_{17}$ and $\text{Ca}_2[(\text{UO}_2)_3(\text{CrO}_4)_5](\text{H}_2\text{O})_{19}$. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2003, 218, .	0.4	48
41	Minerals with metal-organic framework structures. <i>Science Advances</i> , 2016, 2, e1600621.	4.7	48
42	Structural complexity and crystallization: the Ostwald sequence of phases in the $\text{Cu}_2(\text{OH})_3\text{Cl}$ system (botallackite–atacamite–clinoatacamite). <i>Structural Chemistry</i> , 2017, 28, 153-159.	1.0	48
43	THE CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. II. THE CRYSTAL STRUCTURE OF IRIGINITE. <i>Canadian Mineralogist</i> , 2000, 38, 847-851.	0.3	47
44	Crystal Chemistry of Lead Oxide Hydroxide Nitrates I. The Crystal Structure of $[\text{Pb}_6\text{O}_4](\text{OH})(\text{NO}_3)(\text{CO}_3)$. <i>Journal of Solid State Chemistry</i> , 2000, 153, 365-370.	1.4	47
45	Structural and chemical complexity of minerals: correlations and time evolution. <i>European Journal of Mineralogy</i> , 2018, 30, 231-236.	0.4	47
46	Data-Driven Discovery in Mineralogy: Recent Advances in Data Resources, Analysis, and Visualization. <i>Engineering</i> , 2019, 5, 397-405.	3.2	47
47	THE CUPRITE-LIKE FRAMEWORK OF OCu_4 TETRAHEDRA IN THE CRYSTAL STRUCTURE OF SYNTHETIC MELANOTHALLITE, Cu_2OCl_2 , AND ITS NEGATIVE THERMAL EXPANSION. <i>Canadian Mineralogist</i> , 2002, 40, 1185-1190.	0.3	46
48	Crystal structures of lamprophyllite-2M and lamprophyllite-2O from the Lovozero alkaline massif, Kola peninsula, Russia. <i>European Journal of Mineralogy</i> , 2003, 15, 711-718.	0.4	46
49	The crystal structure of averievite, $\text{Cu}_5\text{O}_2(\text{VO}_4)_2.n\text{MX}$: comparison with related compounds. <i>Mineralogical Magazine</i> , 1997, 61, 441-446.	0.6	44
50	Crystal Chemistry of Lead Oxide Hydroxide Nitrates. <i>Journal of Solid State Chemistry</i> , 2001, 158, 74-77.	1.4	43
51	Chiral open-framework uranyl molybdates. 3. Synthesis, structure and the $\text{C}2221 \rightarrow \text{P}212121$ low-temperature phase transition of $[\text{C}_6\text{H}_{16}\text{N}]_2[(\text{UO}_2)_6(\text{MoO}_4)_7(\text{H}_2\text{O})_2](\text{H}_2\text{O})_2$. <i>Microporous and Mesoporous Materials</i> , 2005, 78, 225-234.	2.2	43
52	Topology of Microporous Structures. <i>Reviews in Mineralogy and Geochemistry</i> , 2005, 57, 17-68.	2.2	43
53	Minerals and synthetic Pb(II) compounds with oxocentered tetrahedra: review and classification. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2008, 223, 114-125.	0.4	43
54	Spriggite, $\text{Pb}_3[(\text{UO}_2)_6\text{O}_8(\text{OH})_2](\text{H}_2\text{O})_3$, a new mineral with $\text{I}^2\text{-U}_3\text{O}_8$ type sheets: Description and crystal structure. <i>American Mineralogist</i> , 2004, 89, 339-347.	0.9	42

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55	Self-Assembly of Protonated 1,12-Dodecanediamine Molecules and Strongly Undulated Uranyl Selenate Sheets in the Structure of Amine-Templated Uranyl Selenate: $(\text{H}_3\text{O})_2[\text{C}_{12}\text{H}_{30}\text{N}_2]_3[(\text{UO}_2)_4(\text{SeO}_4)_8](\text{H}_2\text{O})_5$. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1653-1656.	1.0	42
56	Particular Topological Complexity of Lead Oxide Blocks in $\text{Pb}_3\text{IO}_{22}\text{X}_{18}$ (X = Br, Cl). <i>Inorganic Chemistry</i> , 2006, 45, 3846-3848.	1.9	42
57	Structural and topological complexity of zeolites: An information-theoretic analysis. <i>Microporous and Mesoporous Materials</i> , 2013, 171, 223-229.	2.2	42
58	CRYSTAL STRUCTURE OF $\hat{\text{A}}\text{-Cu}_2\text{V}_2\text{O}_7$ AND ITS COMPARISON TO BLOSSITE ($\hat{\text{A}}\text{-Cu}_2\text{V}_2\text{O}_7$) AND ZIESITE ($\hat{\text{A}}\text{-Cu}_2\text{V}_2\text{O}_7$). <i>Canadian Mineralogist</i> , 2005, 43, 671-677.	0.3	41
59	$\text{K}[\text{AsW}_2\text{O}_9]$, the first member of the arsenate tungsten bronze family: Synthesis, structure, spectroscopic and non-linear optical properties. <i>Journal of Solid State Chemistry</i> , 2013, 204, 59-63.	1.4	41
60	Synthesis and Structure of $\text{Ag}_6[(\text{UO}_2)_3\text{O}(\text{MoO}_4)_5]$: A Novel Sheet of Triuranyl Clusters and MoO_4 Tetrahedra. <i>Inorganic Chemistry</i> , 2002, 41, 4108-4110.	1.9	40
61	Nanoscale Tubules in Uranyl Selenates. <i>Angewandte Chemie</i> , 2005, 117, 1158-1160.	1.6	39
62	Structural Diversity of Sheets in Rubidium Uranyl Oxoselenates: Synthesis and Crystal Structures of $\text{Rb}_2[(\text{UO}_2)(\text{SeO}_4)_2(\text{H}_2\text{O})](\text{H}_2\text{O})$, $\text{Rb}_2[(\text{UO}_2)_2(\text{SeO}_4)_3(\text{H}_2\text{O})_2](\text{H}_2\text{O})_4$, and $\text{Rb}_4[(\text{UO}_2)_3(\text{SeO}_4)_5(\text{H}_2\text{O})]$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 739-744.	0.6	39
63	Low-Dimensional Structural Units in Amine-Templated Uranyl Oxoselenates(VI): Synthesis and Crystal Structures of $[\text{C}_3\text{H}_{12}\text{N}_2][(\text{UO}_2)(\text{SeO}_4)_2(\text{H}_2\text{O})_2](\text{H}_2\text{O})$, $[\text{C}_5\text{H}_{16}\text{N}_2]_2[(\text{UO}_2)(\text{SeO}_4)_2(\text{H}_2\text{O})](\text{NO}_3)_2$, $[\text{C}_4\text{H}_{12}\text{N}][(\text{UO}_2)(\text{SeO}_4)(\text{NO}_3)]$, and $[\text{C}_4\text{H}_{14}\text{N}_2][(\text{UO}_2)(\text{SeO}_4)_2(\text{H}_2\text{O})]$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2352-2357.	0.6	39
64	Synthesis and Crystal Structures of ? - and ? - $\text{Mg}_2[(\text{UO}_2)_3(\text{SeO}_4)_5](\text{H}_2\text{O})_{16}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 2736-2742.	0.6	38
65	Amine-Templated Uranyl Selenates with Layered Structures. I Structural Diversity of Sheets with a U:Se ratio of 1:2. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2358-2364.	0.6	38
66	Crystal chemistry of natural layered double hydroxides. I. Quintinite- 2H - 3C from the Kovdor alkaline massif, Kola peninsula, Russia. <i>Mineralogical Magazine</i> , 2010, 74, 821-832.	0.6	38
67	Ferromerrillite, $\text{Ca}_9\text{NaFe}_2(\text{PO}_4)_7$, a new mineral from the Martian meteorites, and some insights into merrillite transformation in shergottites. <i>European Journal of Mineralogy</i> , 2016, 28, 125-136.	0.4	38
68	Ladders of information: what contributes to the structural complexity of inorganic crystals. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 155-161.	0.4	38
69	Transjordanite, Ni_2P , a new terrestrial and meteoritic phosphide, and natural solid solutions barringerite-transjordanite (hexagonal Fe_2P - Ni_2P). <i>American Mineralogist</i> , 2020, 105, 428-436.	0.9	38
70	Crystal Chemistry of Lead Oxide Hydroxide Nitrates. <i>Journal of Solid State Chemistry</i> , 2001, 158, 78-81.	1.4	37
71	Chiral open-framework uranyl molybdates. 2. Flexibility of the U:Mo=6:7 frameworks: syntheses and crystal structures of $(\text{UO}_2)_{0.82}[\text{C}_8\text{H}_{20}\text{N}]_{0.36}[(\text{UO}_2)_6(\text{MoO}_4)_7(\text{H}_2\text{O})_2](\text{H}_2\text{O})_n$ and $[\text{C}_6\text{H}_{14}\text{N}_2][(\text{UO}_2)_6(\text{MoO}_4)_7(\text{H}_2\text{O})_2](\text{H}_2\text{O})_m$. <i>Microporous and Mesoporous Materials</i> , 2005, 78, 217-224.	2.2	37
72	Ivanyukite-Na-T, ivanyukite-Na-C, ivanyukite-K, and ivanyukite-Cu: New microporous titanosilicates from the Khibiny massif (Kola Peninsula, Russia) and crystal structure of ivanyukite-Na-T. <i>American Mineralogist</i> , 2009, 94, 1450-1458.	0.9	37

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73	The First Sodium Uranyl Chromate, Na ₄ [(UO ₂)(CrO ₄) ₃]: Synthesis and Crystal Structure Determination. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2003, 629, 1965-1968.	0.6	36
74	Crystal structures of Pb ₈ O ₅ (AsO ₄) ₂ and Pb ₅ O ₄ (CrO ₄), and review of PbO-related structural units in inorganic compounds. <i>Journal of Solid State Chemistry</i> , 2004, 177, 1321-1332.	1.4	36
75	Topology of inorganic complexes as a function of amine molecular structure in layered uranyl selenates. <i>Doklady Physical Chemistry</i> , 2006, 409, 228-232.	0.2	36
76	Complexes of technetium(I) (99Tc, 99mTc) pentacarbonyl core with π -acceptor ligands (tert-butyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 [Tc(CO) ₅ (CNC(CH ₃) ₃)]ClO ₄ . <i>Journal of Organometallic Chemistry</i> , 2008, 693, 4-10.	0.8	36
77	Crystal chemistry of the mendipite-type system Pb ₃ O ₂ Cl ₂ •Pb ₃ O ₂ Br ₂ . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2008, 223, 204-211.	0.4	36
78	Synthesis and crystal structure of Li ₂ [(UO ₂)(MoO ₄) ₂], a uranyl molybdate with chains of corner-sharing uranyl square bipyramids and MoO ₄ tetrahedra. <i>Solid State Sciences</i> , 2003, 5, 481-485.	1.5	35
79	Crystal chemistry of anhydrous Li uranyl phosphates and arsenates. II. Tubular fragments and cation-cation interactions in the 3D framework structures of Li ₆ [(UO ₂) ₁₂ (PO ₄) ₈ (P ₄ O ₁₃)], <i>Chemistry</i> , 2009, 182, 2977-2984.	1.4	35
80	Synthesis and Crystal Structure of Pb ₃ O ₂ (SeO ₃). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 558-562.	0.6	34
81	Structural and chemical complexity of minerals: an update. <i>Mineralogical Magazine</i> , 2022, 86, 183-204.	0.6	34
82	Crystal structures and variable magnetism of PbCu ₂ (XO ₃) ₂ Cl ₂ with X = Se, Te. <i>Dalton Transactions</i> , 2013, 42, 9547.	1.6	33
83	Structural complexity of lead silicates: Crystal structure of Pb ₂₁ [Si ₇ O ₂₂] ₂ [Si ₄ O ₁₃] and its comparison to hyttsjoite. <i>American Mineralogist</i> , 2014, 99, 817-823.	0.9	33
84	Crystal chemistry of natural layered double hydroxides. 2. Quintinite-1 <i>M</i> : first evidence of a monoclinic polytype in <i>M</i> ²⁺ - <i>M</i> ³⁺ layered double hydroxides. <i>Mineralogical Magazine</i> , 2010, 74, 833-840.	0.6	32
85	Crystal chemistry of natural layered double hydroxides. 3. The crystal structure of Mg,Al-disordered quintinite-2 <i>H</i> . <i>Mineralogical Magazine</i> , 2010, 74, 841-848.	0.6	32
86	Emulating exhalative chemistry: synthesis and structural characterization of ilinskite, Na[Cu ₅ O ₂](SeO ₃) ₂ Cl ₃ , and its K-analogue. <i>Mineralogy and Petrology</i> , 2015, 109, 421-430.	0.4	32
87	Functionality in metal-organic framework minerals: proton conductivity, stability and potential for polymorphism. <i>Chemical Science</i> , 2019, 10, 4923-4929.	3.7	32
88	A novel rigid uranyl tungstate sheet in the structures of Na ₂ [(UO ₂)W ₂ O ₈] and $\hat{1}\pm$ - and $\hat{1}^2$ -Ag ₂ [(UO ₂)W ₂ O ₈]. <i>Solid State Sciences</i> , 2003, 5, 373-381.	1.5	31
89	Filatovite, K(Al, Zn) ₂ (As, Si) ₂ O ₈ , a new mineral species from the Tolbachik volcano, Kamchatka peninsula, Russia. <i>European Journal of Mineralogy</i> , 2004, 16, 533-536.	0.4	31
90	Dimensional Reduction in Alkali Metal Uranyl Molybdates: Synthesis and Structure of Cs ₂ [(UO ₂)O(MoO ₄)]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 1979-1984.	0.6	31

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91	Layered Hydrazinium Titanate: Advanced Reductive Adsorbent and Chemical Toolkit for Design of Titanium Dioxide Nanomaterials. <i>Journal of the American Chemical Society</i> , 2011, 133, 9516-9525.	6.6	31
92	NEW Cu ²⁺ COORDINATION POLYHEDRA IN THE CRYSTAL STRUCTURE OF BURNSITE, K ₂ CdCu ₇ O ₂ (SeO ₃) ₂ Cl ₉ . <i>Canadian Mineralogist</i> , 2002, 40, 1587-1595.	0.3	30
93	Lone electron pair stereoactivity, cation arrangements and distortion of heteropolyhedral sheets in the structures of Tl ₂ [(UO ₂)(AO ₄) ₂] (A = Cr, Mo). <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2005, 220, .	0.4	30
94	Preparation, crystal structure and thermal expansion of a new bismuth barium borate, BaBi ₂ B ₄ O ₁₀ . <i>Journal of Solid State Chemistry</i> , 2007, 180, 596-603.	1.4	30
95	Where are genes in paulingite? Mathematical principles of formation of inorganic materials on the atomic level. <i>Structural Chemistry</i> , 2008, 19, 571-577.	1.0	30

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#	ARTICLE	IF	CITATIONS
109	PAUFLERITE, $\text{ÅVO}(\text{SO}_4)$, A NEW MINERAL SPECIES FROM THE TOLBACHIK VOLCANO, KAMCHATKA PENINSULA, RUSSIA. <i>Canadian Mineralogist</i> , 2007, 45, 921-927.	0.3	28
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113	Crystal chemistry of lead oxide chlorides. II. Crystal structure of $\text{Pb}_7\text{O}_4(\text{OH})_4\text{Cl}_2$. <i>European Journal of Mineralogy</i> , 2002, 14, 135-139.	0.4	27
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