

Sergey V Krivovichev

List of Publications by Year in descending order

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460
papers

9,750
citations

61687

45
h-index

107981

68
g-index

501
all docs

501
docs citations

501
times ranked

3726
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Polymorphism, polytypism and modular aspect of compounds with the general formula $M_2T_3O_4$ ($M = Na, Rb, Cs, Ca$). <i>Tj ETQq0 0 0 rgBT /Overlock</i>	0.5	3
3	order disorder, topological description and DFT calculations. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2022, 78, 61-69.	1.4	3
4	Edge-sharing BO_4 tetrahedra and penta-coordinated silicon in the high-pressure modification of $NaBSi_3O_8$. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1735-1742.	3.0	6
5	A Synthetic Analog of the Mineral Ivanyukite: Sorption Behavior to Lead Cations. <i>Crystals</i> , 2022, 12, 311.	1.0	6
6	Ion-Exchange-Induced Transformation and Mechanism of Cooperative Crystal Chemical Adaptation in Sitinakite: Theoretical and Experimental Study. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 248.	0.8	4
7	The new mineral zolotarevite, $Na_5ZrSi_6O_{15}(\text{DzD})_3 \cdot 3H_2O$, the first highly hydrated lovozerite-group member from the Lovozero alkaline massif, Kola Peninsula, Russia. <i>Mineralogical Magazine</i> , 2022, 86, 263-271.	0.6	2
8	Structural and chemical complexity of minerals: an update. <i>Mineralogical Magazine</i> , 2022, 86, 183-204.	0.6	34
9	Global earth mineral inventory: A data legacy. <i>Geoscience Data Journal</i> , 2021, 8, 74-89.	1.8	21
10	Correspondence on $K_2Sb(P_2O_7)F$: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3854-3855.	7.2	2
11	Correspondence on $K_2Sb(P_2O_7)F$: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. <i>Angewandte Chemie</i> , 2021, 133, 3898-3899.	1.6	2
12	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.	0.6	9
13	Crystal chemistry of the $M_{2+}[(UO_2)(T_{6+}O_4)_2(H_2O)](H_2O)_4$ ($M_{2+} = Mg, Mn, Fe, Co, Ni$ and Zn ; $T_{6+} = S, Se$) compounds: the interplay between chemical composition, pH and structural architecture. <i>CrystEngComm</i> , 2021, 23, 1140-1148.	1.3	4
14	Dioskouriite, $CaCu_4Cl_6(OH)_4 \cdot 4H_2O$: A New Mineral Description, <i>Crystal Chemistry and Polytypism. Minerals (Basel, Switzerland)</i> , 2021, 11, 90.	0.8	3
15	Natrophosphate, Arctic Mineral and Nuclear Waste Phase: Structure Refinements and Chemical Variability. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 186.	0.8	5
16	Fluorellestadite from burned coal dumps: crystal structure refinement, vibrational spectroscopy data and thermal behavior. <i>Mineralogy and Petrology</i> , 2021, 115, 271-281.	0.4	4
17	Topological Features of the Alluaudite-Type Framework and Its Derivatives: Synthesis and Crystal Structure of $NaMnNi_2(H_2/3PO_4)_3$. <i>Crystals</i> , 2021, 11, 237.	1.0	4
18	Expanding the Averievite Family, $(MX)Cu_5O_2(T_5+O_4)_2$ ($T_5+ = P, V$; $M = K, Rb, Cs, Cu$; $X = Cl, Br$): Synthesis and Single-Crystal X-ray Diffraction Study. <i>Molecules</i> , 2021, 26, 1833.	1.7	9

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19	Vasilseverginite, $\text{Cu}_9\text{O}_4(\text{AsO}_4)_2(\text{SO}_4)_2$, a new fumarolic mineral with a hybrid structure containing novel anion-centered tetrahedral structural units. <i>American Mineralogist</i> , 2021, 106, 633-640.	0.9	5
20	Crystal chemistry of ivanyukite-group minerals, $\text{A}_3\text{X}(\text{H}_{1+\text{X}}[\text{Ti}_4\text{O}_4(\text{SiO}_4)_3])$ ($\text{H}_{1+\text{X}}$ = Na, K, Cu), ($\text{n} = 6$, $\text{x} = 0$): crystal structures, ion-exchange, chemical evolution. <i>Mineralogical Magazine</i> , 2021, 85, 607-619.	0.6	6
21	Polytypism of Compounds with the General Formula $\text{Cs}\{\text{Al}_2[\text{TP}_6\text{O}_{20}]\}$ (T = B, Al): OD (Order-Disorder) Description, Topological Features, and DFT-Calculations. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 708.	0.8	6
22	Trigonal variation in the garnet supergroup: the crystal structure of nikmelnikovite, $\text{Ca}_{12}\text{Fe}^{2+}_2\text{Fe}^{3+}_3\text{Al}_3(\text{SiO}_4)_6(\text{OH})_{20}$ from Kovdor massif, Kola Peninsula, Russia. <i>Mineralogical Magazine</i> , 2021, 85, 620-626.	0.6	7
23	Crystal Structure Evolution of Slawsonite $\text{SrAl}_2\text{Si}_2\text{O}_8$ and Paracelsian $\text{BaAl}_2\text{Si}_2\text{O}_8$ upon Compression and Decompression. <i>Journal of Physical Chemistry C</i> , 2021, 125, 13014-13023.	1.5	13
24	Crystal Chemical Relations in the Shchurovskyite Family: Synthesis and Crystal Structures of $\text{K}_2\text{Cu}[\text{Cu}_3\text{O}]_2(\text{PO}_4)_4$ and $\text{K}_{2.35}\text{Cu}_{0.825}[\text{Cu}_3\text{O}]_2(\text{PO}_4)_4$. <i>Crystals</i> , 2021, 11, 807.	1.0	3
25	Mineralogy and petrology of alkaline rocks and carbonatites: Celebrating the life and work of Gregory Yu. Ivanyuk (1966–2019). <i>Mineralogical Magazine</i> , 2021, 85, 465-468.	0.6	0
26	Complexity Parameters for Molecular Solids. <i>Symmetry</i> , 2021, 13, 1399.	1.1	19
27	Zr-Rich Eudialyte from the Lovozero Peralkaline Massif, Kola Peninsula, Russia. <i>Minerals (Basel)</i> , 2021, 11, 1078.	0.8	14
28	The Principle of Maximal Simplicity for Modular Inorganic Crystal Structures. <i>Crystals</i> , 2021, 11, 1472.	1.0	3
29	Phase Evolution from Volborthite, $\text{Cu}_3(\text{V}_2\text{O}_7)(\text{OH})_2 \cdot 2\text{H}_2\text{O}$, upon Heat Treatment. <i>Minerals (Basel)</i> , 2021, 11, 1078.	0.8	14
30	The Distinctive Mineralogy of Carbonatites. <i>Elements</i> , 2021, 17, 333-338.	0.5	3
31	Halamishite, Ni_5P_4 , a new terrestrial phosphide in the Ni–P system. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.3	13
32	Chemically-induced structural variations of a family of $\text{Cs}_2[(\text{AnO}_2)_2(\text{TO}_4)_3]$ (An = U, Np; T = S, Se, Cr,) uranyl sulfate and selenate. <i>Journal of Solid State Chemistry</i> , 2020, 282, 121077.	1.4	5
33	Petrovite, $\text{Na}_{10}\text{CaCu}_2(\text{SO}_4)_8$, a new fumarolic sulfate from the Great Tolbachik fissure eruption, Kamchatka Peninsula, Russia. <i>Mineralogical Magazine</i> , 2020, 84, 691-698.	0.6	10
34	Crystal chemistry of the variscite and metavariscite groups: Crystal structures of synthetic $\text{CrAsO}_4 \cdot 2\text{H}_2\text{O}$, $\text{TiPO}_4 \cdot 2\text{H}_2\text{O}$, $\text{MnSeO}_4 \cdot 2\text{H}_2\text{O}$, $\text{CdSeO}_4 \cdot 2\text{H}_2\text{O}$ and natural bonacinaite, $\text{ScAsO}_4 \cdot 2\text{H}_2\text{O}$. <i>Mineralogical Magazine</i> , 2020, 84, 568-583.	0.6	7
35	The Fedorov–Groth law revisited: complexity analysis using mineralogical data. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2020, 76, 429-431.	0.0	8
36	Crystal Chemistry of Alkali–Aluminum–Iron Sulfates from the Burnt Mine Dumps of the Chelyabinsk Coal Basin, South Urals, Russia. <i>Crystals</i> , 2020, 10, 1062.	1.0	4

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37	The Na ₂ nHn[Zr(Si ₂ O ₇)] ^m H ₂ O Minerals and Related Compounds (n = 0–0.5; m = 0.1): Structure Refinement, Framework Topology, and Possible Na ⁺ -Ion Migration Paths. <i>Crystals</i> , 2020, 10, 1016.	1.0	6
38	Pressure-Induced Phase Transitions in Danburite-Type Borosilicates. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26048-26061.	1.5	6
39	Tellurium Minerals: Structural and Chemical Diversity and Complexity. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 623.	0.8	9
40	Exploring Carbon Mineral Systems: Recent Advances in C Mineral Evolution, Mineral Ecology, and Network Analysis. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	29
41	Polyoxometalate clusters in minerals: review and complexity analysis. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 618-629.	0.5	23
42	Embedding parallehedra into primitive cubic networks and structural automata description. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2020, 76, 698-712.	0.0	0
43	Transjordanite, Ni ₂ P, a new terrestrial and meteoritic phosphide, and natural solid solutions barringerite-transjordanite (hexagonal Fe ₂ P–Ni ₂ P). <i>American Mineralogist</i> , 2020, 105, 428-436.	0.9	38
44	Structural Models of Inorganic Crystals. From the Elements to the Compounds. By Ángel Vegas. Editorial Universitat Politècnica de València. 2018. Hardback, Pp. xxviii+444. Price Euro 99. ISBN 9788490486023. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 292-293.	0.5	0
45	Dimensional evolution in hydrated K ⁺ -bearing uranyl sulfates: from 2D-sheets to 3D-frameworks. <i>CrystEngComm</i> , 2020, 22, 4621-4629.	1.3	9
46	Negevite, the pyrite-type NiP ₂ , a new terrestrial phosphide. <i>American Mineralogist</i> , 2020, 105, 422-427.	0.9	17
47	Synthesis, characterization and morphotropic transitions in a family of M[(UO ₂)(CH ₃ COO) ₃](H ₂ O) _n (M=Na, K, Rb, Cs; n=0–1.0) compounds. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2020, 235, 95-103.	0.4	4
48	Insights into crystal chemistry of the vesuvianite-group: manaevite-(Ce), a new mineral with complex mechanisms of its hydration. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.3	4
49	Xenophyllite, Na ₄ Fe ₇ (PO ₄) ₆ , an Exotic Meteoritic Phosphate: New Mineral Description, Na-ions Mobility and Electrochemical Implications. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 300.	0.8	4
50	Compressibility of hingganite-(Y): high-pressure single crystal X-ray diffraction study. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.3	4
51	Polyoxometalate chemistry at volcanoes: discovery of a novel class of polyoxocuprate nanoclusters in fumarolic minerals. <i>Scientific Reports</i> , 2020, 10, 6345.	1.6	12
52	Producing highly complicated materials. Nature does it better. <i>Reports on Progress in Physics</i> , 2020, 83, 106501.	8.1	27
53	Extraordinary structural complexity of ilmajokite: a multilevel hierarchical framework structure of natural origin. <i>IUCr</i> , 2020, 7, 121-128.	1.0	8
54	Hydroxynatropyrochlore, (Na,Đja,Ce) ₂ Nb ₂ O ₆ (OH), a new member of the pyrochlore group from the Kovdor phoscorite–carbonatite pipe, Kola Peninsula, Russia. <i>Mineralogical Magazine</i> , 2019, 83, 107-113.	0.6	11

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55	High-temperature Fe oxidation coupled with redistribution of framework cations in lobanovite, $K_2Na(Fe^{2+})_4Mg_2NaTi_2(Si_4O_{12})_3$, the first titanosilicate case. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 578-590.	0.5	3
56	Crystal Chemistry and High-Temperature Behaviour of Ammonium Phases $NH_4MgCl_3 \cdot 6H_2O$ and $(NH_4)_2Fe_3Cl_5 \cdot H_2O$ from the Burned Dumps of the Chelyabinsk Coal Basin. <i>Minerals (Basel)</i> , 2019, 9, 170.	0.8	10
57	Jahn-Teller Distortion and Cation Ordering: The Crystal Structure of Paratooite-(La), a Superstructure of Carboceanaite. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 370.	0.8	2
58	Selenium Minerals: Structural and Chemical Diversity and Complexity. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 455.	0.8	14
59	Chemically Induced Polytypic Phase Transitions in the $Mg[(UO_2)(TO_4)_2(H_2O)](H_2O)_4$ (T = S, Se) System. <i>Inorganic Chemistry</i> , 2019, 58, 14760-14768.	1.9	10
60	Dritsite, $Li_2Al_4(OH)_{12}Cl_2 \cdot 3H_2O$, a New Gibbsite-Based Hydrotalcite Supergroup Mineral. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 492.	0.8	15
61	Economic prospects of multiproduct manufacturing based on the Afrikanda deposit ores. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 627, 012012.	0.3	0
62	$Rb_2CaCu_6(PO_4)_4O_2$, 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
63	Dmisteinbergite, $CaAl_2Si_2O_8$, a Metastable Polymorph of Anorthite: Crystal-Structure and Raman Spectroscopic Study of the Holotype Specimen. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 570.	0.8	21
64	High pressure phase transitions of paracelsian $BaAl_2Si_2O_8$. <i>Scientific Reports</i> , 2019, 9, 12652.	1.6	16
65	Chemically induced symmetry breaking in the crystal structure of guanidinium uranyl sulfate. <i>Mendeleev Communications</i> , 2019, 29, 408-410.	0.6	8
66	Chirvinskyite, $(Na,Ca)_{13}(Fe,Mn,^{2-})_2(Ti,Nb)_2(Zr,Ti)_3(Si_2O_7)_4(OH,O,F)_{12}$, a New Mineral with a Modular Wallpaper Structure, from the Khibiny Alkaline Massif (Kola Peninsula, Russia). <i>Minerals (Basel)</i> , 2019, 9, 130.	0.8	10
67	Data-Driven Discovery in Mineralogy: Recent Advances in Data Resources, Analysis, and Visualization. <i>Engineering</i> , 2019, 5, 397-405.	3.2	47
68	Crystal Chemistry of Chlormagaluminite, $Mg_4Al_2(OH)_{12}Cl_2(H_2O)_2$, a Natural Layered Double Hydroxide. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 221.	0.8	11
69	Editorial for Special Issue "Arctic Mineral Resources: Science and Technology". <i>Minerals (Basel)</i> , 2019, 9, 107.	0.8	14
70	A Novel Family of Np(VI) Oxysalts: Crystal Structures, Calorimetry, Thermal Behavior, and Comparison with U(VI) Compounds. <i>Crystal Growth and Design</i> , 2019, 19, 2811-2819.	1.4	6
71	Functionality in metal-organic framework minerals: proton conductivity, stability and potential for polymorphism. <i>Chemical Science</i> , 2019, 10, 4923-4929.	3.7	32
72	$(K,Na)_2[AsB_6O_{12}]_2[B_3O_3(OH)_3]$, a New Microporous Material, and Its Comparison to Teruggite. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 781.	0.8	0

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73	Nikmelnikovite, Ca ₁₂ Fe ₂₊ Fe _{3⁺} Al ₃ (SiO ₄) ₆ (OH) ₂₀ : A New Mineral from the Kovdor		

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91	Se-Cl Interactions in Selenite Chlorides: A Theoretical Study. <i>Crystals</i> , 2018, 8, 193.	1.0	4
92	Kurchatovite and Clinokurchatovite, Ideally CaMgB ₂ O ₅ : An Example of Modular Polymorphism. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 332.	0.8	4
93	On the origin of crystallinity: a lower bound for the regularity radius of Delone sets. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, 616-629.	0.0	16
94	Selivanovaite, NaTi ₃ (Ti,Na,Fe,Mn) ₄ [(Si ₂ O ₇) ₂ O ₄ (OH,H ₂ O) ₄]·nH ₂ O, a new rock-forming mineral from the eudialyte-rich malignite of the Lovozero alkaline massif (Kola Peninsula, Russia). <i>European Journal of Mineralogy</i> , 2018, 30, 525-535.	0.4	16
95	Structural and chemical complexity of minerals: correlations and time evolution. <i>European Journal of Mineralogy</i> , 2018, 30, 231-236.	0.4	47
96	Mineral Diversity, Complexity and Evolution Preface. <i>European Journal of Mineralogy</i> , 2018, 30, 191-192.	0.4	0
97	Shkatulkalite, a Rare Mineral from the Lovozero Massif, Kola Peninsula: A Re-Investigation. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 303.	0.8	7
98	Crystal chemistry of natural layered double hydroxides: 4. Crystal structures and evolution of structural complexity of quintinite polytypes from the Kovdor alkaline-ultrabasic massif, Kola peninsula, Russia. <i>Mineralogical Magazine</i> , 2018, 82, 329-346.	0.6	23
99	High-temperature crystal chemistry of layered calcium borosilicates: CaBSiO ₄ (OH) (datolite), Ca ₄ B ₅ Si ₃ O ₁₅ (OH) ₅ (bakerite) and Ca ₂ B ₂ SiO ₇ (synthetic analogue of okayamalite). <i>Physics and Chemistry of Minerals</i> , 2018, 45, 463-473.	0.3	10
100	Site-selective As-P substitution and hydrogen bonding in the crystal structure of philipsburgite, Cu ₅ Zn((As,P)O ₄) ₂ (OH) ₆ ·H ₂ O. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 917-923.	0.3	3
101	Pentacoordinated silicon in the high-pressure modification of datolite, CaBSiO ₄ (OH). <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1653-1660.	3.0	14
102	The concept of mineral systems and its application to the study of mineral diversity and evolution. <i>European Journal of Mineralogy</i> , 2018, 30, 219-230.	0.4	21
103	ADVANCED ANALYTICAL AND VISUALIZATION TECHNIQUES APPLIED TO MINERAL EVOLUTION AND ECOLOGY. , 2018, , .		0
104	APPLICATIONS IN COMPARATIVE PLANETOLOGY: ADVANCED ANALYTICS AND VISUALIZATION OF MINERAL SYSTEMS. , 2018, , .		0
105	Natural phosphides as indicators of planetary systems evolution. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e57-e57.	0.0	0
106	Evolution of uranyl-bearing structural complexes. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e249-e249.	0.0	0
107	Penta- and octahedrally coordinated P and Be in high-pressure phases of CaB ₂ Si ₂ O ₈ . <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e66-e67.	0.0	0
108	Introduction to the special issue on mineralogical crystallography. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018, 74, 467-469.	0.5	0

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109	Pathways for synthesis of new selenium-containing oxo-compounds: Chemical vapor transport reactions, hydrothermal techniques and evaporation method. <i>Journal of Crystal Growth</i> , 2017, 457, 307-313.	0.7	14
110	Structural complexity and crystallization: the Ostwald sequence of phases in the Cu ₂ (OH) ₃ Cl system (botallackite–atacamite–clinoatacamite). <i>Structural Chemistry</i> , 2017, 28, 153-159.	1.0	48
111	Dehydration-driven evolution of topological complexity in ethylammonium uranyl selenates. <i>Journal of Solid State Chemistry</i> , 2017, 247, 105-112.	1.4	15
112	Synthesis and crystal structure of β -CuSe ₂ O ₅ , a new polymorph of copper diselenite. <i>Mendeleev Communications</i> , 2017, 27, 61-63.	0.6	4
113	Alumovesuvianite, Ca ₁₉ Al(Al,Mg) ₁₂ Si ₁₈ O ₆₉ (OH) ₉ , 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
114	Batisite, Na ₂ BaTi ₂ (Si ₄ O ₁₂)O ₂ , from Inagli massif, Aldan, Russia: crystal-structure refinement and high-temperature X-ray diffraction study. <i>Mineralogy and Petrology</i> , 2017, 111, 843-851.	0.4	2
115	Cyprine, Ca ₁₉ Cu ₂₊ (Al, Mg, Mn) ₁₂ Si ₁₈ O ₆₉ (OH) ₉ , a new vesuvianite-group mineral from the Wessels mine, South Africa. <i>European Journal of Mineralogy</i> , 2017, 29, 295-306.	0.4	13
116	Isolueshite, NaNbO ₃ , from the Kovdor carbonatite, Kola peninsula, Russia: composition, crystal structure and possible formation scenarios. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2017, 194, 165-173.	0.1	6
117	High-temperature behaviour of astrophyllite, K ₂ NaFe ₇ 2+Ti ₂ (Si ₄ O ₁₂) ₂ O ₂ (OH) ₄ F: a combined X-ray diffraction and Mössbauer spectroscopic study. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 595-613.	0.3	5
118	Selective Se-for-S substitution in Cs-bearing uranyl compounds. <i>Journal of Solid State Chemistry</i> , 2017, 248, 126-133.	1.4	17
119	The first lead cobalt phosphite, PbCo ₂ (HPO ₃) ₃ . <i>Dalton Transactions</i> , 2017, 46, 12655-12662.	1.6	6
120	How many boron minerals occur in Earth's upper crust?. <i>American Mineralogist</i> , 2017, 102, 1573-1587.	0.9	56
121	Temperature-induced iron oxidation in bafertisite Ba ₂ Fe ₄ 2+ Ti ₂ (Si ₂ O ₇) ₂ O ₂ (OH) ₂ F ₂ : X-ray diffract. <i>Hyperfine Interactions</i> , 2017, 238, 1.	0.2	3
122	New data on betekhtinite: refinement of crystal structure and revision of chemical formula. <i>Russian Geology and Geophysics</i> , 2017, 58, 956-962.	0.3	0
123	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
124	The crystal structure of loparite: a new acentric variety. <i>Mineralogy and Petrology</i> , 2017, 111, 827-832.	0.4	2
125	Structure description, interpretation and classification in mineralogical crystallography. <i>Crystallography Reviews</i> , 2017, 23, 2-71.	0.4	30
126	Are periodicity and symmetry the properties of a discrete space? (On one paradox of cellular) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T</i>	1.0	2

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127	Minerals with metal-organic framework structures. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C840-C840.	0.0	0
128	Information-based measures of structural complexity of crystals. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C378-C378.	0.0	1
129	Barringerite Fe ₂ P from Pyrometamorphic Rocks of the Hatrurim Formation, Israel. <i>Geology of Ore Deposits</i> , 2017, 59, 619-625.	0.2	23
130	Romanorlovite, a New Copper and Potassium Hydroxychloride from the Tolbachik Volcano, Kamchatka, Russia. <i>Geology of Ore Deposits</i> , 2017, 59, 601-608.	0.2	2
131	Vesuvianite from the Somma-Vesuvius Complex: New Data and Revised Formula. <i>Minerals (Basel)</i> , 2017, 9, 1-14.	0.8	9
132	Quintinite-1M from the Mariinsky Deposit, Ural Emerald Mines, Central Urals, Russia. <i>Geology of Ore Deposits</i> , 2017, 59, 745-751.	0.2	4
133	A closer look into close packing: pentacoordinated silicon in a high-pressure polymorph of danburite. <i>IUCr</i> , 2017, 4, 671-677.	1.0	21
134	Natural Materials and Their Synthetic Analogs: The Experience of the Kola Nanomaterials Research Centre. <i>Vestnik Domboskogo Gosudarstvennogo Universiteta Khimiya</i> , 2017, , 7-20.	0.0	3
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458	The crystal structure of averievite, $Cu_5O_2(VO_4)_2.nMX$: comparison with related compounds. <i>Mineralogical Magazine</i> , 1997, 61, 441-446.	0.6	44
459	The complex mechanism of Ti^{4+} incorporation into litidionite from the Somma-Vesuvius volcano, Italy. <i>Mineralogical Magazine</i> , 0, , 1-12.	0.6	0
460	Goldhillite, $Cu_5Zn(AsO_4)_2(OH)_6 \cdot 2H_2O$, a new mineral species, and redefinition of philipsburgite, $Cu_5Zn[(AsO_4)(PO_4)](OH)_6 \cdot 2H_2O$, as an As-P ordered species. <i>Mineralogical Magazine</i> , 0, , 1-29.	0.6	1