

Sergey N Britvin

List of Publications by Year in descending order

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124
papers

1,591
citations

361413

20
h-index

454955

30
g-index

131
all docs

131
docs citations

131
times ranked

1052
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.9	86
2	Fumarolic arsenates – a special type of arsenic mineralization. <i>European Journal of Mineralogy</i> , 2018, 30, 305-322.	1.3	74
3	Earth's Phosphides in Levant and insights into the source of Archean prebiotic phosphorus. <i>Scientific Reports</i> , 2015, 5, 8355.	3.3	68
4	Water-Soluble Phosphine Capable of Dissolving Elemental Gold: The Missing Link between 1,3,5-Triaza-7-phosphaadamantane (PTA) and Verkade's Ephemeral Ligand. <i>Journal of the American Chemical Society</i> , 2015, 137, 5526-5535.	13.7	43
5	Shulamitite Ca ₃ TiFe ₃ + AlO ₈ - a new perovskite-related mineral from Hatrurim Basin, Israel. <i>European Journal of Mineralogy</i> , 2013, 25, 97-111.	1.3	40
6	Ferromerrillite, Ca ₉ NaFe ₂ (PO ₄) ₇ , a new mineral from the Martian meteorites, and some insights into merrillite-tuite transformation in shergottites. <i>European Journal of Mineralogy</i> , 2016, 28, 125-136.	1.3	38
7	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.	1.9	38
8	Rudashevskyite, the Fe-dominant analogue of sphalerite, a new mineral: Description and crystal structure. <i>American Mineralogist</i> , 2008, 93, 902-909.	1.9	34
9	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.	1.3	31
10	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.	13.7	31
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#	ARTICLE	IF	CITATIONS
19	New arsenate minerals from the Arsenatnaya fumarole, Tolbachik volcano, Kamchatka, Russia. VI. Melanarsite, $K_3Cu_7Fe^{3+}_3O_4(AsO_4)_4$. Mineralogical Magazine, 2016, 80, 855-867.	1.4	21
20	Xenon in Rigid Oxide Frameworks: Structure, Bonding and Explosive Properties of Layered Perovskite $K_4Xe_3O_{12}$. Journal of the American Chemical Society, 2016, 138, 13838-13841.	13.7	20
21	Shilovite, natural copper(II) tetrammine nitrate, a new mineral species. Mineralogical Magazine, 2015, 79, 613-623.	1.4	19
22	Exploiting Coupling of Boronic Acids with Triols for a pH-Dependent "Click-Declick" Chemistry. Journal of Organic Chemistry, 2018, 83, 9756-9773.	3.2	19
23	Stronadelphite, $Sr_5(PO_4)_3F$, a new apatite-group mineral. European Journal of Mineralogy, 2010, 22, 869-874.	1.3	18
24	Barioferrite $BaFe_{12}O_{19}$: A new mineral species of the magnetoplumbite group from the Haturim Formation in Israel. Geology of Ore Deposits, 2011, 53, 558-563.	0.7	18
25	Cattiite, $Mg_3(PO_4)_2 \cdot 22H_2O$, a new mineral from Zhelezny Mine (Kovdor Massif, Kola Peninsula, Russia). Neues Jahrbuch für Mineralogie, Monatshefte, 2002, 2002, 160-168.	0.3	17
26	KOTTENHEIMITE, $Ca_3Si(OH)_6(SO_4)_2 \cdot 12H_2O$, A NEW MEMBER OF THE ETTRINGITE GROUP FROM THE EIFEL AREA, GERMANY. Canadian Mineralogist, 2012, 50, 55-63.	1.0	17
27	Between Adamantane and Atrane: Intrabridgehead Interactions in the Cage-Like Phosphane Related to a Novel Tris(homoadamantane) Ring System. Chemistry - A European Journal, 2016, 22, 14227-14235.	3.3	17
28	Negevite, the pyrite-type NiP_2 , a new terrestrial phosphide. American Mineralogist, 2020, 105, 422-427.	1.9	17
29	Cyclophosphates, a new class of native phosphorus compounds, and some insights into prebiotic phosphorylation on early Earth. Geology, 2021, 49, 382-386.	4.4	17
30	Kerimasite, $Ca_3Zr_2(Fe_2)^{3+}_2SiO_{12}$, a new garnet from carbonatites of Kerimasi volcano and surrounding explosion craters, northern Tanzania. Mineralogical Magazine, 2010, 74, 803-820.	1.4	16
31	Schallerite, $Ba_2Na(Mn,Ca)(Fe^{3+},Mg,Fe^{2+})_2Ti_2(Si_2O_7)_2(O,F)_4$, a new mineral species from the Eifel volcanic district, Germany. Geology of Ore Deposits, 2011, 53, 767-774.	0.7	16
32	Perovskites with the Framework-Forming Xenon. Angewandte Chemie - International Edition, 2015, 54, 14340-14344.	13.8	16
33	Mahnite, $(NH_4)_2KNa(SO_4)_2$, a new guano mineral from Pabellón de Pica, Chile. Mineralogy and Petrology, 2015, 109, 643-648.	1.1	16
34	Copper in Natural Oxide Spinel: The New Mineral Thermaerogenite $CuAl_2O_4$, Cuprospinel and Cu-Enriched Varieties of Other Spinel-Group Members from Fumaroles of the Tolbachik Volcano, Kamchatka, Russia. Minerals (Basel, Switzerland), 2018, 8, 498.	2.0	16
35	Allabogdanite, the high-pressure polymorph of $(Fe,Ni)_2P$, a stishovite-grade indicator of impact processes in the Fe-Ni-P system. Scientific Reports, 2019, 9, 1047.	3.3	15
36	Arsenic and phosphorus in feldspar framework: sanidine-filatovite solid solution series from fumarolic exhalations of the Tolbachik volcano, Kamchatka, Russia. Physics and Chemistry of Minerals, 2020, 47, 1.	0.8	15

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37	Raman spectroscopy: A promising tool for the characterization of transition metal phosphides. <i>Journal of Alloys and Compounds</i> , 2021, 853, 156468.	5.5	15
38	Niobate and Tantalate Pyrochlores: Soft Synthesis by the Fluoride Route. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1082-1088.	2.0	14
39	New arsenate minerals from the Arsenatnaya fumarole, Tolbachik volcano, Kamchatka, Russia. IX. Arsenatotitanite, $\text{NaTiO}(\text{AsO}_4)$. <i>Mineralogical Magazine</i> , 2019, 83, 453-458.	1.4	14
40	New arsenate minerals from the Arsenatnaya fumarole, Tolbachik volcano, Kamchatka, Russia. X. Edtollite, $\text{K}_2\text{NaCu}_5\text{Fe}^{3+}_3\text{O}_2(\text{AsO}_4)_4$, and alumoedtollite, $\text{K}_2\text{NaCu}_5\text{AlO}_2(\text{AsO}_4)_4$. <i>Mineralogical Magazine</i> , 2019, 83, 485-495.	1.4	14
41	Ferrotchilinite, $6\text{FeS} \cdot 5\text{Fe}(\text{OH})_2$, a new mineral from the Oktyabrskiy deposit, Norilsk district, Siberia, Russia. <i>Geology of Ore Deposits</i> , 2013, 55, 567-574.	0.7	13
42	CHUBAROVITE, $\text{KZn}_2(\text{BO}_3)_2\text{Cl}_2$, A NEW MINERAL SPECIES FROM THE TOLBACHIK VOLCANO, KAMCHATKA, RUSSIA. <i>Canadian Mineralogist</i> , 2015, 53, 273-284.	1.0	13
43	Application of titanium-containing sorbents for treating liquid radioactive waste with the subsequent conservation of radionuclides in Synroc-type titanate ceramics. <i>Theoretical Foundations of Chemical Engineering</i> , 2016, 50, 598-606.	0.7	13
44	Ring opening of azetidine cycle: First examples of 1-azetidinepropanamine molecules as a template in hybrid organic-inorganic compounds. <i>Journal of Molecular Structure</i> , 2018, 1151, 88-96.	3.6	13
45	Näggerathite-(Ce), $(\text{Ce,Ca})_2\text{Zr}_2(\text{Nb,Ti})(\text{Ti,Nb})_2\text{Fe}_2\text{O}_{14}$, a New Zirconolite-Related Mineral from the Eifel Volcanic Region, Germany. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 449.	2.0	13
46	Halamishite, Ni_5P_4 , a new terrestrial phosphide in the Ni-P system. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.8	13
47	The new mineral chalcocolloite, $\text{K}_2\text{Pb}_2\text{Cl}_5$, the natural occurrence of a technically known laser material. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2005, 182, 95-101.	0.3	12
48	Polytypism of Layered Alkaline Hydroxides: Crystal Structure of TiOH . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 595-599.	1.2	12
49	Lammerite- I^2 , $\text{Cu}_3(\text{AsO}_4)_2$, 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
50	Crystallographic Insights into Uranyl Sulfate Minerals Formation: Synthesis and Crystal Structures of Three Novel Cesium Uranyl Sulfates. <i>Crystals</i> , 2019, 9, 660.	2.2	12
51	Discovery of terrestrial allabogdanite $(\text{Fe,Ni})_2\text{P}$, and the effect of Ni and Mo substitution on the barringerite-allabogdanite high-pressure transition. <i>American Mineralogist</i> , 2021, 106, 944-952.	1.9	12
52	Synthesis, structure and properties of hydrazinium germanate pharmacosiderite, $(\text{N}_2\text{H}_5)_3\text{Ge}_7\text{O}_{15}(\text{OH}) \cdot 2.5\text{H}_2\text{O}$. <i>Microporous and Mesoporous Materials</i> , 2010, 131, 282-288.	4.4	10
53	The fluoride route to Lindqvist clusters: Synthesis and crystal structure of layered hexatantalate $\text{Na}_8\text{Ta}_6\text{O}_{19} \cdot 26\text{H}_2\text{O}$. <i>Inorganic Chemistry Communication</i> , 2012, 25, 18-20.	3.9	10
54	Windhoekite, $\text{Ca}_2\text{Fe}_3 \cdot 3\text{-x}(\text{Si}_8\text{O}_{20})(\text{OH})_4 \cdot 10\text{H}_2\text{O}$, a new palygorskite-group mineral from the Aris phonolite, Namibia. <i>European Journal of Mineralogy</i> , 2012, 24, 171-179.	1.3	10

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55	Vigrishinite, $Zn_2Ti_4 \cdot x Si_4O_{14}(OH, H_2O, \hat{\alpha}-j)_8$, a new mineral from the Lovozero alkaline complex, Kola Peninsula, Russia. <i>Geology of Ore Deposits</i> , 2013, 55, 575-586.	0.7	10
56	New zinc and potassium chlorides from fumaroles of the Tolbachik volcano, Kamchatka, Russia: mineral data and crystal chemistry. II. Flinteite, K_2ZnCl_4 . <i>European Journal of Mineralogy</i> , 2015, 27, 581-588.	1.3	10
57	New zinc and potassium chlorides from fumaroles of the Tolbachik volcano, Kamchatka, Russia: mineral data and crystal chemistry. III. Cryobostryxite, $KZnCl_3 \cdot 2H_2O$. <i>European Journal of Mineralogy</i> , 2015, 27, 805-812.	1.3	10
58	Engelhauptite, $KCu_3(V_2O_7)(OH)_2Cl$, a new mineral species from Eifel, Germany. <i>Mineralogy and Petrology</i> , 2015, 109, 705-711.	1.1	10
59	New arsenate minerals from the Arsenatnaya fumarole, Tolbachik volcano, Kamchatka, Russia. XI. Anatolyite, $Na_6(Ca, Na)(Mg, Fe^{3+})_3 Al(AsO_4)_6$. <i>Mineralogical Magazine</i> , 2019, 83, 633-638.	1.4	10
60	Redefinition and crystal chemistry of samarskite-(Y), $YFe_3+ Nb_2O_8$: cation-ordered niobate structurally related to layered double tungstates. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 727-741.	0.8	10
61	Water-soluble carbonyl complexes of $^{99}Tc(I)$ and $Re(I)$ with adamantane-cage aminophosphines PTA and CAP. <i>Journal of Organometallic Chemistry</i> , 2019, 896, 83-89.	1.8	10
62	Crystal chemistry of schreibersite, $(Fe, Ni)_3P$. <i>American Mineralogist</i> , 2021, 106, 1520-1529.	1.9	10
63	$Ca_{1/4}$ interblässite, $(K, Ca)_3 \cdot x Fe[(Si, Al)_3O_{25}(OH, O)_4] \cdot 7H_2O$, a new mineral: the first phyllosilicate with triple tetrahedral layer. <i>Geology of Ore Deposits</i> , 2012, 54, 656-662.	0.7	9
64	New zinc and potassium chlorides from fumaroles of the Tolbachik volcano, Kamchatka, Russia: mineral data and crystal chemistry. I. Mellizinkalite, $K_3Zn_2Cl_7$. <i>European Journal of Mineralogy</i> , 2015, 27, 247-253.	1.3	9
65	Triazolite, $NaCu_2(N_3)_2C_2H_2(NH_3)_2Cl_3$, a new mineral species containing 1,2,4-triazolate anion, from a guano deposit at Pabellón de Pica, Iquique Province, Chile. <i>Mineralogical Magazine</i> , 2018, 82, 1007-1014.	1.4	9
66	New arsenate minerals from the Arsenatnaya fumarole, Tolbachik volcano, Kamchatka, Russia. XII. Zubkovaite, $Ca_3Cu_3(AsO_4)_4$. <i>Mineralogical Magazine</i> , 2019, 83, 879-886.	1.4	9
67	A New Mineral Ferrisanidine, $K[Fe_3+Si_3O_8]$, the First Natural Feldspar with Species-Defining Iron. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 770.	2.0	9
68	Hydroxocentered $[(OH)Tl_3]^{2+}$ triangle as a building unit in thallium compounds: synthesis and crystal structure of $Tl_4(OH)_2CO_3$. <i>Zeitschrift für Kristallographie</i> , 2009, 224, 563-567.	1.1	8
69	Oxyphlogopite $K(Mg, Ti, Fe)_3[(Si, Al)_4O_{10}(O, F)_2]$: A new mineral species of the mica group. <i>Geology of Ore Deposits</i> , 2011, 53, 583-590.	0.7	8
70	Refinement of the crystal structure of bonshtedtite, $Na_3Fe(PO_4)(CO_3)$. <i>Geology of Ore Deposits</i> , 2013, 55, 669-675.	0.7	8
71	Ferrovalleriite, $2(Fe, Cu)_S \cdot 1.5Fe(OH)_2$: Validation as a mineral species and new data. <i>Geology of Ore Deposits</i> , 2013, 55, 637-647.	0.7	8
72	Palladium(II) and Platinum(II) Complexes of Novel Water-Soluble Phosphane CAP: Structure, Interligand Hydrogen-Hydrogen Bonding and in Vitro Cytotoxicity. <i>ChemistrySelect</i> , 2017, 2, 8721-8725.	1.5	8

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73	Kampelite, Ba ₃ Mg _{1.5} Sc ₄ (PO ₄) ₆ (OH) ₃ ·4H ₂ O, a new very complex Ba-Sc phosphate mineral from the Kovdor phoscorite-carbonatite complex (Kola Peninsula, Russia). <i>Mineralogy and Petrology</i> , 2018, 112, 111-121.	1.1	8
74	Stefanweissite, (Ca, <i>i>REE</i>)₂Zr₂(Nb,Ti)(Ti,Nb)₂Fe²⁺O₁₄, a new zirconolite-related mineral from the Eifel paleovolcanic region, Germany. <i>Mineralogical Magazine</i>, 2019, 83, 607-614.</i>	1.4	8
75	New arsenate minerals from the Arsenatnaya fumarole, Tolbachik volcano, Kamchatka, Russia. XIII. Pansnerite, K ₃ Na ₃ Fe ³⁺ ₆ (AsO ₄) ₈ . <i>Mineralogical Magazine</i> , 2020, 84, 143-151.	1.4	8
76	Armbrusterite, K ₅ Na ₆ Mn ₃ +Mn ₁₄ 2+[Si ₉ O ₂₂] ₄ (OH) ₁₀ {middle dot}4H ₂ O, a new Mn hydrous heterophyllosilicate from the Khibiny alkaline massif, Kola Peninsula, Russia. <i>American Mineralogist</i> , 2007, 92, 416-423.	1.9	7
77	Parageorgbokiite, Î ² -Cu ₅ O ₂ (SeO ₃) ₂ Cl ₂ , a new mineral species from volcanic exhalations, Kamchatka Peninsula, Russia. <i>Geology of Ore Deposits</i> , 2007, 49, 518-521.	0.7	7
78	Karchevskyite, [Mg ₁₈ Al ₉ (OH) ₅₄][Sr ₂ (CO ₃ ,PO ₄) ₉ (H ₂ O,H ₃ O) ₁₁], a new mineral species of the layered double hydroxide family. <i>Geology of Ore Deposits</i> , 2008, 50, 556-564.	0.7	7
79	Thermodynamics of arsenates, selenites, and sulfates in the oxidation zone of sulfide ores: V. Chalcomenite and its synthetic analog, properties, and formation conditions. <i>Geology of Ore Deposits</i> , 2012, 54, 498-502.	0.7	7
80	Efficient water-soluble catalytic system Rh I -CAP for biphasic hydroformylation of olefins. <i>Mendeleev Communications</i> , 2018, 28, 264-266.	1.6	7
81	Oxybismutomicrolite, a new pyrochlore-supergroup mineral from the Malkhan pegmatite field, Central Transbaikalia, Russia. <i>Mineralogical Magazine</i> , 2020, 84, 444-454.	1.4	7
82	Piemontite-(Pb), CaPbAl ₂ Mn ₃ + [Si ₂ O ₇][SiO ₄]O(OH), a new mineral species of the epidote supergroup. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2012, 189, 275-286.	0.3	6
83	Cu ₃ (SeO ₄) ₂ (SeO ₃ OH) ₂ (H ₂ O) ₁₆ – The First Example of a Linear Octahedral Tetrahedral Heptamer in Inorganic Compounds. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5311-5313.	2.0	6
84	Odikhinchaite, Na ₉ Sr ₃ [(H ₂ O) ₂ Na]Ca ₆ Mn ₃ Zr ₃ NbSi (Si ₂₄ O ₇₂)O(OH) ₃ (CO ₃)·H ₂ O, a New Eudialyte-Group Mineral from the Odikhincha Intrusion, Taimyr Peninsula, Russia. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1062.	2.0	6
85	Zinc-rich and copper-bearing amphiboles from sulfide-free ore occurrences of the Pelagonian Massif, Republic of North Macedonia. <i>Mineralogy and Petrology</i> , 2020, 114, 129-140.	1.1	6
86	Structural Diversity of Layered Double Hydroxides. , 2008, , 123-128.		6
87	Niksergievite, [Ba _{1.33} Ca _{0.67} Al(CO ₃)(OH) ₄][Al ₂ (AlSi ₃ O ₁₀)(OH) ₂]{middle dot}nH ₂ O, a new phyllosilicate related to the surite-ferrisurite series. <i>American Mineralogist</i> , 2005, 90, 1163-1166.	1.9	5
88	Coupled Substitutions in Natural MnO(OH) Polymorphs: Infrared Spectroscopic Investigation. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 969.	2.0	5
89	A retrospect of discovery of minerals (1775- 2000) and a look into the future. <i>Neues Jahrbuch F¼r Mineralogie, Monatshefte</i> , 2003, 2003, 446-460.	0.3	4
90	Synthesis and Crystal Structure of the First Thallium Hydrous Nesosilicate Tl ₄ Si ₄ O ₄ ·0.5H ₂ O. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 518-522.	1.2	4

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91	Sorption of Nuclear Waste Components by Layered Hydrazinium Titanate: a Straightforward Route to Durable Ceramic Forms. Materials Research Society Symposia Proceedings, 2012, 1475, 191.	0.1	4
92	Crystalline Titanate Ceramic for Immobilization of Tc-99. Materials Research Society Symposia Proceedings, 2012, 1475, 184.	0.1	4
93	A new mineral species zincobradaczekite, NaCuCuZn ₂ (AsO ₄) ₃ , and a new isomorphous series bradaczekite-zincobradaczekite in the alluaudite group. Physics and Chemistry of Minerals, 2020, 47, 1.	0.8	4
94	Ammoniotinsleyite, (NH ₄)Al ₂ (PO ₄) ₂ (OH)·2H ₂ O, a new mineral species from the guano deposit at Pabellón de Pica, Iquique Province, Chile. Mineralogical Magazine, 2020, 84, 705-711.	1.4	4
95	Xenophyllite, Na ₄ Fe ₇ (PO ₄) ₆ , an Exotic Meteoritic Phosphate: New Mineral Description, Na-ions Mobility and Electrochemical Implications. Minerals (Basel, Switzerland), 2020, 10, 300.	2.0	4
96	Krasnoshteinite, Al ₈ [B ₂ O ₄ (OH) ₂](OH) ₁₆ Cl ₄ ·7H ₂ O, a New Microporous Mineral with a Novel Type of Borate Polyanion. Crystals, 2020, 10, 301.	2.2	4
97	Ellinaite, CaCr ₂ O ₈ , a new natural post-spinel oxide from Hatrurim Basin, Israel, and Juána kimberlite field, Brazil. European Journal of Mineralogy, 2021, 33, 727-742.	1.3	4
98	New arsenate minerals from the Arsenatnaya fumarole, Tolbachik volcano, Kamchatka, Russia. XVII. Paraberzeliite, NaCaCaMg ₂ (AsO ₄) ₃ , an alluaudite-group member dimorphous with berzeliite. Mineralogical Magazine, 2022, 86, 103-111.	1.4	4
99	Thermal investigation of ammonioborite (NH ₄) ₃ [B ₁₅ O ₂₀ (OH) ₈]·4H ₂ O. Glass Physics and Chemistry, 2009, 35, 191-198.	0.7	3
100	Crystallography between Kiel and St. Petersburg: review of collaboration and the crystal structure of [Ti ₅ (SiO ₄)(OH)] ₂ [Ti ₆ (SO ₄)(OH) ₄]. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, .	0.8	3
101	Jürgkellerite, Na ₃ Mn ₃₊ 3(PO ₄) ₂ (CO ₃)O ₂ ·5H ₂ O, a new layered phosphate-carbonate mineral from the Oldoinyo Lengai volcano, Gregory rift, northern Tanzania. Mineralogy and Petrology, 2017, 111, 373-381.	1.1	3
102	Molecular structure, interatomic interactions and vibrational analysis of 1,4-diazabicyclo[3.2.1]octane parent ring system. Journal of Molecular Structure, 2017, 1130, 395-399.	3.6	3
103	Crystal structure, thermal expansion and fluorescence of Sr ^{1.5} Eu ^{0.5} B ₂ +Si ¹ O ⁸ /2 phosphors. Materials Chemistry and Physics, 2021, 260, 124151.	4.0	3
104	Biogenic Orthorhombic ±-Calcium Formate from Sediments of Alkali Lake, Oregon, USA. Minerals (Basel,) 2020, 10, 300.	2.0	3
105	Crystal structure of (1 <i>S</i> ,4 <i>S</i>)-2,5-diazoniabicyclo[2.2.1]heptane dibromide. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1861-1865.	0.5	3
106	Orishchinite, a new terrestrial phosphide, the Ni-dominant analogue of allabogdanite. Mineralogy and Petrology, 2017, 111, 373-381.	1.1	3
107	Crystal Chemistry of Ion-Exchanged Forms of Zorite, a Natural Analogue of the ETS-4 Titanosilicate Material. , 2011, , 199-204.		2
108	Synthesis and crystal structure of the disordered modification of Ti ₆ Si ₂ O ₇ . Glass Physics and Chemistry, 2012, 38, 473-477.	0.7	2

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109	The crystal structure of girvasite, NaCa ₂ Mg ₃ (PO ₄) ₃ (CO ₃)(H ₂ O) ₆ , a complex phosphate-carbonate hydrate based upon electroneutral heteropolyhedral layers. Russian Geology and Geophysics, 2015, 56, 155-163.	0.7	2
110	Shuvalovite, K ₂ (Ca ₂ Na)(SO ₄) ₃ F, a new mineral from the Tolbachik volcano, Kamchatka, Russia. European Journal of Mineralogy, 2016, 28, 53-62.	1.3	2
111	The 7-azanorbornane nucleus of epibatidine: 7-azabicyclo[2.2.1]heptan-7-ium chloride. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1385-1388.	0.5	2
112	Redefinition of satimolite. Mineralogical Magazine, 2018, 82, 1033-1047.	1.4	2
113	Bojarite, Cu ₃ (N ₃ C ₂ H ₂) ₃ (OH)Cl ₂ ·6H ₂ O, a new mineral species with a microporous metal-organic framework from the guano deposit at Pabellón de Pica, Iquique Province, Chile. Mineralogical Magazine, 2020, 84, 921-927.	1.4	2
114	Saranovskite, SrCaFe ₂ +2(Cr ₄ Ti ₂)Ti ₁₂ O ₃₈ , a new crichtonite-group mineral. Physics and Chemistry of Minerals, 2020, 47, 1.	0.8	2
115	Crystal Chemistry of Stanfieldite, Ca ₇ M ₂ Mg ₉ (PO ₄) ₁₂ (M = Ca, Mg, Fe ²⁺), a Structural Base of Ca ₃ Mg ₃ (PO ₄) ₄ Phosphors. Crystals, 2020, 10, 464.	2.2	2
116	Chromium Members of the Pumpellyite Group: Shuiskite-(Cr), Ca ₂ CrCr ₂ [SiO ₄][Si ₂ O ₆ (OH)](OH) ₂ O, a New Mineral, and Shuiskite-(Mg), a New Species Name for Shuiskite. Minerals (Basel, Switzerland), 2020, 10, 390.	2.0	2
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120	Nanocrystalline Layered Titanates Synthesized by the Fluoride Route: Perspective Matrices for Removal of Environmental Pollutants. , 2011, , 147-152.		1
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124	A Natural Vanadate-Arsenate Isomorphous Series with Jeffbenite-Type Structure: New Fumarolic Minerals Udinaite, NaMg ₄ (VO ₄) ₃ , and Arsenudinaite, NaMg ₄ (AsO ₄) ₃ . Minerals (Basel, Switzerland), 2022, 12, 850.	2.0	0