

Jakub Pláčil

List of Publications by Year in descending order

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Version: 2024-02-01

208
papers

2,231
citations

279798

23
h-index

434195

31
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209
all docs

209
docs citations

209
times ranked

1252
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical variability in vyacheslavite, U(PO ₄)(OH): Crystal-chemical implications for hydrous and hydroxylated U ⁴⁺ , Ca, and REE phosphates. <i>American Mineralogist</i> , 2022, 107, 131-137.	1.9	0
2	Gungerite, TlAs ₅ Sb ₄ S ₁₃ , a new thallium sulfosalt with a complex structure containing covalent As-As bonds. <i>American Mineralogist</i> , 2022, 107, 1164-1173.	1.9	4
3	Gachingite, Au(Te _{1-x} Se _x) _{0.2} 0.2 0.5, a new mineral from Maletoyvayam deposit, Kamchatka peninsula, Russia. <i>Mineralogical Magazine</i> , 2022, 86, 205-213.	1.4	4
4	Crystallization of Uranyl Silicate Natroboltwoodite during an Experimental Dissolution of the Mineral Yttrialite-(Y): Crystal Structure and Raman Spectroscopy. <i>Crystal Growth and Design</i> , 2022, 22, 1202-1211.	3.0	0
5	Ferroberaunite, Fe ²⁺ Fe ³⁺ ₅ (PO ₄) ₄ (OH) ₅ ·6H ₂ O, a mixed-valence iron member of the beraunite series, from the Gravel Hill mine, Perranzabuloe, Cornwall, England. <i>Mineralogical Magazine</i> , 2022, 86, 363-372.	1.4	2
6	Paramarkeyite, a new calcium-uranyl carbonate mineral from the Markey mine, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2022, 86, 27-36.	1.4	0
7	Redefinition of beraunite, Fe ₃ (PO ₄) ₄ (OH) ₅ and discreditation of the name eleonorite: a re-investigation of type material from the Hrbek Mine (Czech Republic). <i>European Journal of Mineralogy</i> , 2022, 34, 223-238.	1.3	3
8	3D Electron Diffraction as a Powerful Tool to Study the Earliest Nanocrystalline Weathering Products: A Case Study of Uraninite Weathering. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1250-1258.	2.7	0
9	Scenicite, a new uranyl-sulfate mineral from the White Canyon district, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2022, 86, 743-748.	1.4	3
10	Prediction and observation of formation of Ca-Mg arsenates in acidic and alkaline fluids: Thermodynamic properties and mineral assemblages at Jáchymov, Czech Republic and Rotgärtliden, Austria. <i>Chemical Geology</i> , 2021, 559, 119922.	3.3	5
11	Seaborgite, LiNa ₆ K ₂ (UO ₂)(SO ₄) ₅ (SO ₃ OH)(H ₂ O), the First Uranyl Mineral Containing Lithium. <i>American Mineralogist</i> , 2021, 106, 105-111.	1.9	4
12	Hydrogen disorder in kaatialaite Fe[AsO ₂ (OH) ₂] ₅ H ₂ O from Jáchymov, Czech Republic: determination from low-temperature 3D electron diffraction. <i>IUCr</i> , 2021, 8, 116-123.	2.2	8
13	Hraběkite, Ni ₉ PbSbS ₈ , a new member of the hauchecornite group from Páramo Abram, Czech Republic. <i>Mineralogical Magazine</i> , 2021, 85, 189-196.	1.4	5
14	Grimmite, NiCo ₂ S ₄ , a new thiospinel from Páramo Abram, Czech Republic. <i>European Journal of Mineralogy</i> , 2021, 33, 175-187.	1.3	5
15	Crystal structure of the uranyl arsenate mineral h ₄ gelite, Pb ₂ (UO ₂) ₃ O ₂ (AsO ₄) ₂ (H ₂ O) ₅ revisited: a correct unit cell, twinning and hydrogen bonding. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 378-383.	1.1	1
16	The crystal structure of Tl _{2.36} Sb _{5.98} As _{4.59} S ₁₇ , the lead-free endmember of the chabournite homeotypic group. <i>Canadian Mineralogist</i> , 2021, 59, 533-549.	1.0	3
17	Crystal Chemistry and Structural Complexity of the Uranyl Carbonate Minerals and Synthetic Compounds. <i>Crystals</i> , 2021, 11, 704.	2.2	16
18	Nitscheite, (NH ₄) ₂ [(UO ₂) ₂ (SO ₄) ₃ (H ₂ O) ₂] ₂ ·3H ₂ O, a new mineral with an unusual uranyl-sulfate sheet. <i>American Mineralogist</i> , 2021, , .	1.9	3

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19	Molybdenum Disorder in Hydrated Sedovite, Ideally $U(MoO_4)_2 \cdot nH_2O$, a Microporous Nanocrystalline Mineral Characterized by Three-Dimensional Electron Diffraction, Density Functional Theory Computations, and Complexity Analysis. <i>Inorganic Chemistry</i> , 2021, 60, 15169-15179.	4.0	1
20	Panskyite, $Pd_9Ag_2Pb_2S_4$, a new platinum group mineral from the Southern Kievev ore occurrence of the Fedorova-Pana layered intrusion, Kola Peninsula, Russia. <i>Mineralogical Magazine</i> , 2021, 85, 161-171.	1.4	3
21	Uranoclite, a new uranyl chloride mineral from the Blue Lizard mine, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2021, 85, 438-443.	1.4	3
22	Hidden and apparent twins in uranyl-oxide minerals agrinierite and rameauite: a demonstration of metric and reticular merohedry. <i>Journal of Applied Crystallography</i> , 2021, 54, 1656-1663.	4.5	2
23	Uroxite and metauroxite, the first two uranyl oxalate minerals. <i>Mineralogical Magazine</i> , 2020, 84, 131-141.	1.4	10
24	Monteneroite, $Cu^{2+}_2Mn^{2+}_2(AsO_4)_2 \cdot 8H_2O$, a new vivianite-structure mineral with ordered cations from the Monte Nero mine, Liguria, Italy. <i>Mineralogical Magazine</i> , 2020, 84, 881-887.	1.4	1
25	Crystal Structure, Infrared Spectrum and Elastic Anomalies in Taperssuatsiaite. <i>Scientific Reports</i> , 2020, 10, 7510.	3.3	10
26	The mineralogy of the historical Mochalin Log REE deposit, South Urals, Russia. Part III. Percleveite-(La), $La_2Si_2O_7$, a new REE disilicate mineral. <i>Mineralogical Magazine</i> , 2020, 84, 913-920.	1.4	3
27	Natromarkeyite and pseudomarkeyite, two new calcium uranyl carbonate minerals from the Markey mine, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2020, 84, 753-765.	1.4	4
28	Full crystal structure, hydrogen bonding and spectroscopic, mechanical and thermodynamic properties of mineral uranopilite. <i>RSC Advances</i> , 2020, 10, 31947-31960.	3.6	10
29	Ferrofremovite, $(NH_4)_2Fe_2(SO_4)_3$, a new mineral from Solfatarata di Pozzuoli, Campania, Italy. <i>Canadian Mineralogist</i> , 2020, , .	1.0	3
30	Pseudomeisserite-(NH ₄), a new mineral with a novel uranyl-sulfate linkage from the Blue Lizard mine, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2020, 84, 435-443.	1.4	1
31	Maletoyvayamite, $Au_3Se_4Te_6$, a new mineral from Maletoyvayam deposit, Kamchatka peninsula, Russia. <i>Mineralogical Magazine</i> , 2020, 84, 117-123.	1.4	8
32	Lubor ^{3/4} ite, $Mn_2AsSb_5S_5$, a new member of pavonite homologous series from Vorontsovskoe gold deposit, Northern Urals, Russia. <i>Mineralogical Magazine</i> , 2020, 84, 738-745.	1.4	9
33	The new K, Pb-bearing uranyl-oxide mineral kroupaite: Crystal-chemical implications for the structures of uranyl-oxide hydroxy-hydrates. <i>American Mineralogist</i> , 2020, 105, 561-568.	1.9	9
34	Fluorapophyllite-(NH ₄), $NH_4Ca_4(Si_8O_{20}) \cdot 8H_2O$, a new member of the apophyllite group from the Vechec quarry, eastern Slovakia. <i>Mineralogical Magazine</i> , 2020, 84, 533-539.	1.4	6
35	The magnesium uranyl tricarbonate octadecahydrate mineral, bayleyite: Periodic DFT study of its crystal structure, hydrogen bonding, mechanical properties and infrared spectrum. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 234, 118216.	3.9	6
36	Smamite, $Ca_2Sb(OH)_4[H(AsO_4)_2] \cdot 6H_2O$, a new mineral and a possible sink for Sb during weathering of fahllore. <i>American Mineralogist</i> , 2020, 105, 555-560.	1.9	1

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37	Uranosphaerite: Crystal structure, hydrogen bonding, mechanics, infrared and Raman spectroscopy and thermodynamics. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 141, 109400.	4.0	11
38	The crystal structures and mechanical properties of the uranyl carbonate minerals roubaultite, fontanite, sharpite, widenmannite, grimselite and Āejkaite. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4197-4221.	6.0	9
39	Hydrogen bonding in the crystal structure of phurcalite, $\text{Ca}_2[(\text{UO}_2)_3\text{O}(\text{PO}_4)_2] \cdot 7\text{H}_2\text{O}$: single-crystal X-ray study and TORQUE calculations. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 502-509.	1.1	4
40	PoĀepnĀzite, a new Hg-rich member of the tetrahedrite group from PĀĀbram, Czech Republic. <i>Journal of Geosciences (Czech Republic)</i> , 2020, , 173-186.	0.6	7
41	Fulbrightite, the Arsenate Analog of Sincosite. <i>Canadian Mineralogist</i> , 2020, 58, 663-671.	1.0	1
42	Chukotkaite, $\text{AgPb}_7\text{Sb}_5\text{S}_{15}$, a new sulfosalt mineral from Eastern Chukotka, Russia. <i>Canadian Mineralogist</i> , 2020, 58, 587-596.	1.0	2
43	Thermodynamic properties, crystal structure and phase relations of pushcharovskite $[\text{Cu}(\text{AsO}_3)_3(\text{OH})(\text{H}_2\text{O})] \cdot 0.5\text{H}_2\text{O}$ geminite $[\text{Cu}(\text{AsO}_3)_3(\text{OH})(\text{H}_2\text{O})]$ and lironite $[\text{Cu}(\text{AsO}_3)_2(\text{Al}(\text{AsO}_4)_4)(\text{OH})_4]$	1.3	7
44	Crystal structure of uranyl-oxide mineral wĀlsendorffite revisited. <i>Bulletin Mineralogie Petrologie</i> , 2020, 28, 322-330.	0.3	1
45	Foreword to the special issue arising from the 9th European Conference on Mineralogy and Spectroscopy. <i>Journal of Geosciences (Czech Republic)</i> , 2020, , 1-2.	0.6	0
46	Niasite and johanngeorgenstadtite, $\text{Ni}_2\text{Sb}_4\text{S}_{15}(\text{AsO}_4)_3$ dimorphs from Johanngeorgenstadt, Germany. <i>European Journal of Mineralogy</i> , 2020, 32, 373-385.	1.3	3
47	MinerĀly Āady ullmannit - gersdorffit v asociaci s milleritem z haldy dolu Lill v PĀĀbrami (ĀĀeskĀj republika). <i>Bulletin Mineralogie Petrologie</i> , 2020, 28, 203-209.	0.3	0
48	KrystalovĀj struktura phurcalitu, $\text{Ca}_2[(\text{UO}_2)_3\text{O}(\text{PO}_4)_2] \cdot 7\text{H}_2\text{O}$, z JĀchymova. <i>Bulletin Mineralogie Petrologie</i> , 2020, 28, 276-280.	0.3	3
49	Meteorit PotĀĀky (Steinbach): historie a novĀ nĀlezy (ĀĀeskĀj republika). <i>Bulletin Mineralogie Petrologie</i> , 2020, 28, 179-202.	0.3	0
50	New crystal-chemical data on zincoberaunite from KrĀsno near HornĀ-Slavkov (Czech Republic). <i>Journal of Geosciences (Czech Republic)</i> , 2020, , 45-57.	0.6	3
51	Crystal structure of the uranyl-molybdate mineral calcurnolite $\text{Ca}[(\text{UO}_2)_3(\text{MoO}_4)_2(\text{OH})_4] \cdot 5\text{H}_2\text{O}$: insights from a precession electron-diffraction tomography study. <i>Journal of Geosciences (Czech Republic)</i> , 2020, , 15-25.	0.6	5
52	Molecular structure of the arsenate mineral chongite from JĀchymov Ā a vibrational spectroscopy study. <i>Journal of Geosciences (Czech Republic)</i> , 2020, , 111-120.	0.6	0
53	Ammoniomathesiusite, a new uranyl sulfateĀvanadate mineral from the Burro mine, San Miguel County, Colorado, USA. <i>Mineralogical Magazine</i> , 2019, 83, 115-121.	1.4	7
54	Feynmanite, a new sodium uranyl sulfate mineral from Red Canyon, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2019, 83, 153-160.	1.4	7

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73	Gladkovskyite, MnTlAs ₃ S ₆ , a new thallium sulfosalt from the Vorontsovskoe gold deposit, Northern Urals, Russia. <i>Journal of Geosciences (Czech Republic)</i> , 2019, , 207-218.	0.6	10
74	Jiřina Čejka "devadesátiny v plně sě. <i>Journal of the National Museum (Prague), Natural History Series</i> , 2019, 188, 193-218.	0.1	0
75	EWINGITE AND PADDLEWHEELITE, TWO NEW URANYL CARBONATE MINERALS WITH COMPLEX STRUCTURES. , 2019, , .		0
76	Giftgrubeite, CaMn ₂ Ca ₂ (AsO ₄) ₂ (AsO ₃ OH) ₂ ·4H ₂ O, a new member of the hureaulite group from Sainte-Marie-aux-Mines, Haut-Rhin Department, Vosges, France. <i>Journal of Geosciences (Czech)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 61	0.6	10
77	Bouřkaite, a new molybdenyl-hydrogensulfate mineral, (MoO ₂) ₂ (SO ₃ OH) ₂ (H ₂ O) ₂ ·2H ₂ O, from the Lill mine, Pábram ore area, Czech Republic. <i>Journal of Geosciences (Czech Republic)</i> , 2019, , 197-205.	0.6	3
78	Redefinition of thörmannite, NaCo ₄ (SO ₄) ₄ (OH) ₆ Cl·6H ₂ O: new data and relationship to "cobaltogordaite". <i>Mineralogical Magazine</i> , 2018, 82, 159-170.	1.4	5
79	A unique structure of uranyl-carbonate mineral sharpite: a derivative of the rutherfordine topology. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 579-586.	0.8	3
80	The (3+3) commensurately modulated structure of the uranyl silicate mineral swamboite-(Nd), Nd _{0.333} [(UO ₂)(SiO ₃ OH)](H ₂ O) _{2.41} . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 223-231.	0.8	5
81	Bytázeite, a new Cu-Sb selenide from Pábram, Czech Republic. <i>Mineralogical Magazine</i> , 2018, 82, 199-209.	1.4	4
82	Thermodynamics, crystal chemistry and structural complexity of the Fe(SO ₄)(OH)(H ₂ O) _x phases: Fe(SO ₄)(OH), metahohmannite, butlerite, parabutlerite, amarantite, hohmannite, and fibroferrite. <i>European Journal of Mineralogy</i> , 2018, 30, 259-275.	1.3	20
83	Leesite, K(H ₂ O) ₂ [(UO ₂) ₄ O ₂ (OH) ₅]·3H ₂ O, a new K-bearing schoepite-family mineral from the Jomac mine, San Juan County, Utah, U.S.A.. <i>American Mineralogist</i> , 2018, 103, 143-150.	1.9	7
84	Ammoniozippeite, a New Uranyl Sulfate Mineral from the Blue Lizard Mine, San Juan County, Utah, and the Burro Mine, San Miguel County, Colorado, USA. <i>Canadian Mineralogist</i> , 2018, 56, 235-245.	1.0	13
85	Meitnerite, (NH ₄)(UO ₂)(SO ₄)(OH)·2H ₂ O, a new uranyl-sulfate mineral with a sheet structure. <i>European Journal of Mineralogy</i> , 2018, 30, 999-1006.	1.3	7
86	Mineralogy, Crystallography and Structural Complexity of Natural Uranyl Silicates. <i>Minerals (Basel,)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 15	2.0	15
87	Paddlewheelite, a New Uranyl Carbonate from the Jiřichymov District, Bohemia, Czech Republic. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 511.	2.0	9
88	Uranyl-oxide hydroxy-hydrate minerals: their structural complexity and evolution trends. <i>European Journal of Mineralogy</i> , 2018, 30, 237-251.	1.3	46
89	Thalhammerite, Pd ₉ Ag ₂ Bi ₂ S ₄ , a New Mineral from the Talnakh and Oktyabrsk Deposits, Noril'sk Region, Russia. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 339.	2.0	3
90	Greenlizardite, (NH ₄) ₄ Na(UO ₂) ₂ (SO ₄) ₂ (OH) ₂ ·4H ₂ O, a new mineral with phosphuranylite-type uranyl sulfate sheets from Red Canyon, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2018, 82, 401-411.	1.4	9

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91	Markeyite, a new calcium uranyl carbonate mineral from the Markey mine, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2018, 82, 1089-1100.	1.4	6
92	Tsygankoite, $Mn_8Ti_8Hg_2(Sb_{21}Pb_2Ti)_{12}S_{48}$, a New Sulfosalt from the Vorontsovskoe Gold Deposit, Northern Urals, Russia. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 218.	2.0	10
93	Special issue "Deciphering the complexity of mineral structures". <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 153-154.	0.8	1
94	Micro-Raman spectroscopy of natural members along $CuSbS_2$ join. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1364-1372.	2.5	14
95	Redcanyonite, $(NH_4)_2Mn[(UO_2)_4O_4(SO_4)_2](H_6O_2)$, a new zippeite-group mineral from the Blue Lizard mine, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2018, 82, 1261-1275.	1.4	5
96	Gadolinite-(Nd), a new member of the gadolinite supergroup from Fe-REE deposits of Bastnäs-type, Sweden. <i>Mineralogical Magazine</i> , 2018, 82, S133-S145.	1.4	15
97	Nollmotzite, $Mg[U^{VI}O_2]_2O_4F_3 \cdot 4H_2O$, the first natural uranium oxide containing fluorine. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018, 74, 362-369.	1.1	5
98	Vorontsovite, $(Hg_5Cu)_{16}TiAs_4S_{12}$, and Ferrovorontsovite, $(Fe_5Cu)_{16}TiAs_4S_{12}$: The Tl- and Tl-Fe-Analogues of Galkhaite from the Vorontsovskoe Gold Deposit, Northern Urals, Russia. <i>Minerals (Basel)</i> , 2018, 8, 218.	1.0	10
99	A simple method for the prediction of the orientation of H_2O molecules in ionic crystals. <i>Journal of Applied Crystallography</i> , 2018, 51, 1116-1124.	4.5	7
100	Zippeite from Cap Garonne, France: an example of reticular twinning. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 861-865.	0.8	5
101	Structural complexity of uranophane and uranophane- β : implications for their formation and occurrence. <i>European Journal of Mineralogy</i> , 2018, 30, 253-257.	1.3	23
102	A novel sheet topology in the structure of kamitugaite, $PbAl[(UO_2)_5(PO_4)_2 \cdot 3.38(AsO_4) \cdot 0.62O_2(OH)_2](H_2O)_{11.5}$. <i>Journal of Geosciences (Czech Republic)</i> , 2018, 253-260.	0.6	1
103	Babinekite, $Cu_3(AsO_4)_2 \cdot 8H_2O$, from Jáchymov, Czech Republic - a new member of the vivianite group. <i>Journal of Geosciences (Czech Republic)</i> , 2018, 261-270.	0.6	5
104	Novel structures of U minerals and compounds: from natural to synthetic crystals. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e58-e58.	0.1	0
105	Synthesis and crystallographic study of laflammeite ($Pd_3Pb_2S_2$) and thalhammerite ($Pd_9Ag_2Bi_2S_4$). <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e247-e248.	0.1	0
106	Horájkite, a new hydrated bismuth uranyl-arsenate-phosphate mineral from Jáchymov (Czech Republic) with a unique uranyl-anion topology. <i>Journal of Geosciences (Czech Republic)</i> , 2018, 265-276.	0.6	6
107	Honzaitite, $(Ni,Co)_2(AsO_3OH)_2(H_2O)_5$, a new Ni-dominant analogue of burgessite, from Jáchymov, Czech Republic. <i>European Journal of Mineralogy</i> , 2018, 30, 989-997.	1.3	2
108	Hydrothermal-to-metasomatic overprint of the neovolcanic rocks evidenced by composite apatite crystals: a case study from the Maglóvec Hill, Slanské vrchy Mountains, Slovakia. <i>Geologica Carpathica</i> , 2018, 69, 439-452.	0.7	2

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109	Plavnoite, a new K ⁺ Mn member of the zippeite group from Jáchymov, Czech Republic. <i>European Journal of Mineralogy</i> , 2017, 29, 117-128.	1.3	14
110	Shumwayite, [(UO ₂) ₂ (SO ₄) ₄ (H ₂ O) ₂] ₂ ·H ₂ O, a new uranyl sulfate mineral from Red Canyon, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2017, 81, 273-285.	1.4	17
111	Could incommensurability in sulfosalts be more common than thought? The case of meneghinite, CuPb ₁₃ Sb ₇ S ₂₄ . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 369-376.	1.1	8
112	Pábramite, CuSbSe ₂ , the Se-analogue of chalcostibite, a new mineral from Pábram, Czech Republic. <i>European Journal of Mineralogy</i> , 2017, 29, 653-661.	1.3	11
113	Brodtkorbite, Cu ₂ HgSe ₂ , from Pábram, Czech Republic: crystal structure and description. <i>European Journal of Mineralogy</i> , 2017, 29, 663-672.	1.3	7
114	Lešzilárdite, the first Na,Mg-containing uranyl carbonate from the Markey Mine, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2017, 81, 1039-1050.	1.4	11
115	A commensurately modulated structure of parabutlerite, Fe ³⁺ SO ₄ (OH)·2H ₂ O. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 856-862.	1.1	6
116	Crystal structure of richetite revisited: Crystallographic evidence for the presence of pentavalent uranium. <i>American Mineralogist</i> , 2017, 102, 1771-1775.	1.9	10
117	The crystal structure of sopcheite, Ag ₄ Pd ₃ Te ₄ , from the Lukkulaisvaara intrusion, Karelia, Russia. <i>European Journal of Mineralogy</i> , 2017, 29, 603-612.	1.3	1
118	Crystal structure of vanuralite, Al[(UO ₂) ₂ (VO ₄) ₂](OH)·8.5H ₂ O. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2017, 232, 807-814.	0.8	3
119	Thermodynamics, stability, crystal structure, and phase relations among euchroite, Cu ₂ (AsO ₄)(OH)·3H ₂ O, and related minerals. <i>European Journal of Mineralogy</i> , 2017, 29, 5-16.	1.3	9
120	Gauthierite, KPb[(UO ₂) ₇ O ₅ (OH) ₇]·8H ₂ O, a new uranyl-oxide hydroxy-hydrate mineral from Shinkolobwe with a novel uranyl-anion sheet-topology. <i>European Journal of Mineralogy</i> , 2017, 29, 129-141.	1.3	14
121	Crystal structure of the (<i>REE</i>)-uranyl carbonate mineral kamotoite-(Y). <i>Mineralogical Magazine</i> , 2017, 81, 653-660.	1.4	5
122	Alwilkinsite-(Y), a new rare-earth uranyl sulfate mineral from the Blue Lizard mine, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2017, 81, 895-907.	1.4	8
123	Klaprothite, pāligotite and ottohahnite, three new minerals with bidentate UO ₇ ·SO ₄ linkages from the Blue Lizard mine, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2017, 81, 753-779.	1.4	20
124	Selenide Mineralization in the Pábram Uranium and Base-Metal District (Czech Republic). <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 91.	2.0	23
125	Ewingite: Earth's most complex mineral. <i>Geology</i> , 2017, 45, 1007-1010.	4.4	28
126	Lānekite, K ₂ Ca ₃ [(UO ₂)(CO ₃) ₃]·2.8H ₂ O, a new uranyl carbonate mineral from Jáchymov, Czech Republic. <i>Journal of Geosciences (Czech Republic)</i> , 2017, , 201-213.	0.6	11

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127	Hakite from Pábr, Czech Republic: compositional variability, crystal structure and the role in Se mineralization. <i>Mineralogical Magazine</i> , 2016, 80, 1115-1128.	1.4	15
128	Crystallographic computing system Jana2006: solution and refinement of twinned structures. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2016, 231, 583-599.	0.8	58
129	Construction of new houses on a uranium vein outcrop: a case study from the Czech Republic. <i>Nukleonika</i> , 2016, 61, 343-349.	0.8	2
130	Crystal structure of the uranyl-oxide mineral rameauite. <i>European Journal of Mineralogy</i> , 2016, 28, 959-967.	1.3	17
131	Crystal chemistry, Mössbauer spectroscopy, and thermodynamic properties of botryogen. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2016, 193, 147-159.	0.3	2
132	Crystal structure of Fe ₂ (AsO ₄)(HAsO ₄)(OH)(H ₂ O) ₃ , a dehydration product of kaolinite. <i>European Journal of Mineralogy</i> , 2016, 28, 63-70.	1.3	11
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138	Bobcookite, NaAl(UO ₂) ₂ (SO ₄) ₄ ·18H ₂ O and wetherillite, Na ₂ Mg(UO ₂) ₂ (SO ₄) ₄ ·18H ₂ O, two new uranyl sulfate minerals from the Blue Lizard mine, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2015, 79, 695-714.	1.4	25
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140	Fermiite, Na ₄ (UO ₂)(SO ₄) ₃ ·3H ₂ O and oppenheimerite, Na ₂ (UO ₂)(SO ₄) ₂ ·3H ₂ O, two new uranyl sulfate minerals from the Blue Lizard mine, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2015, 79, 1123-1142.	1.4	22
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142	The crystal structure of rabejacite, the Ca ²⁺ -dominant member of the zippeite group. <i>Mineralogical Magazine</i> , 2014, 78, 1249-1264.	1.4	14
143	Crystal structure of lead uranyl carbonate mineral widenmannite: Precession electron-diffraction and synchrotron powder-diffraction study. <i>American Mineralogist</i> , 2014, 99, 276-282.	1.9	17
144	Arsenic-Rich Acid Mine Water with Extreme Arsenic Concentration: Mineralogy, Geochemistry, Microbiology, and Environmental Implications. <i>Environmental Science & Technology</i> , 2014, 48, 13685-13693.	10.0	49

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156	Raman spectroscopic study of the hydroxy-phosphate mineral plumbogummite $\text{PbAl}_3(\text{PO}_4)_2(\text{OH},\text{H}_2\text{O})_6$. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 431-434.	3.9	19
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168	Crystal structure, thermodynamic properties, and paragenesis of bukovskite, $Fe_2(AsO_4)(SO_4)(OH) \cdot 9H_2O$. <i>Journal of Mineralogical and Petrological Sciences</i> , 2012, 107, 133-148.	0.9	25
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174	langreyite: a new secondary phosphate mineral closely related to perhamite. <i>Mineralogical Magazine</i> , 2011, 75, 327-336.	1.4	13
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178	Raman spectroscopy of hydrogen arsenate group (AsO_3OH) in solidstate compounds: cobaltcontaining zinc arsenate mineral, koritnigite $(Zn,Co)(AsO_3OH) \cdot H_2O$. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 534-539.	2.5	13
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184	A vibrational spectroscopic study of hydrated Fe^{3+} hydroxyl-sulfates; polymorphic minerals butlerite and parabutlerite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1356-1363.	3.9	26
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205	The super-space approach to the structures of selected $\text{U}6+$ minerals and compounds. , 0, , .		1
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