Biljana KrÃ¼ger

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8150927/publications.pdf

Version: 2024-02-01

66	1,508	394421	330143
papers	citations	19 h-index	37 g-index

69	69	69	1702
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bennesherite, Ba2Fe2+Si2O7: A new melilite group mineral from the Hatrurim Basin, Negev Desert, Israel. American Mineralogist, 2022, 107, 138-146.	1.9	4
2	Reactions of copper(II) bromide with 2,6-diacetylpyridine bis(phenyl-hydrazone) (L)-molecular and crystal structure of L and its mixed-valence complex [CuIIL2][CuI2Br4]. Journal of the Serbian Chemical Society, 2022, 87, 307-320.	0.8	1
3	The crystal structure of 3-(1-(2-((5-methylthiophen-2-yl)methylene)hydrazinyl)ethylidene)chroman-2,4-dione, C₁₇H₁₄N₂O₃S. Zeitschrift Fur Kristallographie - New Crystal Structures, 2022, 237, 775-777.	0.3	2
4	Nomenclature and Classification of the Arctite Supergroup.Aravaite, Ba2Ca18(SiO4)6[(PO4)3(CO3)]F3O, a New Arctite Supergroup Mineral from Negev Desert, Israel. Canadian Mineralogist, 2021, , .	1.0	4
5	Low-temperature phase transition and magnetic properties of K₃YbSi₂O₇. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 584-593.	1.1	1
6	Kahlenbergite KAl₁₁O₁₇, a new <i>Î²</i>-alumina mineral and Fe-rich hibonite from the Hatrurim Basin, the Negev desert, Israel. European Journal of Mineralogy, 2021, 33, 341-355.	1.3	3
7	Spectroscopic and structural investigations of blue afwillite from Maâ€™ale Adummim locality, Palestinian Autonomy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117688.	3.9	6
8	Walstromite, BaCa2(Si3O9), from Rankinite Paralava within Gehlenite Hornfels of the Hatrurim Basin, Negev Desert, Israel. Minerals (Basel, Switzerland), 2020, 10, 407.	2.0	16
9	Siwaqaite, Ca6Al2(CrO4)3(OH)12Â·26H2O, a new mineral of the ettringite group from the pyrometamorphic Daba-Siwaqa complex, Jordan. American Mineralogist, 2020, 105, 409-421.	1.9	13
10	Raman Spectroscopy and Single-Crystal High-Temperature Investigations of Bentorite, Ca6Cr2(SO4)3(OH)12Â·26H2O. Minerals (Basel, Switzerland), 2020, 10, 38.	2.0	2
11	Structural studies on Ca 3 Al 4 MgO 10 (C 3 A 2 M)â€"A ternary phase in the system CaOâ€"Al 2 O 3 â€"MgO. Journal of the American Ceramic Society, 2019, 102, 2084-2093.	3.8	5
12	Levantite, KCa3(Al2Si3)O11(PO4), a new latiumite-group mineral from the pyrometamorphic rocks of the Hatrurim Basin, Negev Desert, Israel. Mineralogical Magazine, 2019, 83, 713-721.	1.4	7
13	Structural investigations on bredigite from the Hatrurim Complex. Mineralogy and Petrology, 2019, 113, 261-272.	1.1	6
14	Kahlenbergite, a new potassium Î²-alumina mineral. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e206-e206.	0.1	1
15	Stracherite, BaCa6(SiO4)2[(PO4)(CO3)]F, the first CO3-bearing intercalated hexagonal antiperovskite from Negev Desert, Israel. American Mineralogist, 2018, 103, 1699-1706.	1.9	10
16	Aravaite, Ba₂Ca₁₈(SiO₄)₆(PO₄)₃(CO₃)F₃ modular structure and disorder of a new mineral with single and triple antiperovskite layers. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 492-501.	1.1	3
17	New Occurrence of Rusinovite, Ca10(Si2O7)3Cl2: Composition, Structure and Raman Data of Rusinovite from Shadil-Khokh Volcano, South Ossetia and Bellerberg Volcano, Germany. Minerals (Basel, Switzerland), 2018, 8, 399.	2.0	6
18	Sharyginite, Ca3TiFe2O8, A New Mineral from the Bellerberg Volcano, Germany. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	2.0	8

#	Article	IF	Citations
19	Raman spectroscopy and structural study of baryte-hashemite solid solution from pyrometamorphic rocks of the Hatrurim Complex, Israel. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 205, 582-592.	3.9	8
20	New Mineral with Modular Structure Derived from Hatrurite from the Pyrometamorphic Rocks of the Hatrurim Complex: Ariegilatite, BaCa12(SiO4)4(PO4)2F2O, from Negev Desert, Israel. Minerals (Basel,) Tj ETQq0 0 2.0 gBT /Overlock 10 T	2.0	14
21	Khesinite, Ca4Mg2Fe3+ 10O4[(Fe3+ 10Si2)O36], a new rhÃ¶nite-group (sapphirine supergroup) mineral from the Negev Desert, Israelâ€“ natural analogue of the SFCA phase. European Journal of Mineralogy, 2017, 29, 101-116.	1.3	31
22	Phase-out-compliant fluorosurfactants: unique methimazolium derivatives including room temperature ionic liquids. Green Chemistry, 2017, 19, 3225-3237.	9.0	22
23	Wernerkrauseite, CaFe3+ 2Mn4+O6: the first nonstoichiometric post-spinel mineral, from Bellerberg volcano, Eifel, Germany. European Journal of Mineralogy, 2016, 28, 485-493.	1.3	10
24	Silicocarnotite, Ca5 [(SiO4)(PO4)](PO4), a new „old" mineral from the Negev Desert, Israel, and the ternesiteâ€“silicocarnotite solid solution: indicators of high-temperature alteration of pyrometamorphic rocks of the Hatrurim Complex, Southern Levant. European Journal of Mineralogy, 2016, 28, 105-123.	1.3	39
25	FLUORCHEGEMITE, Ca₇(SiO₄)₃F₂, A NEW MINERAL FROM THE EDGREWITE-BEARING ENDOSKARN ZONE OF AN ALTERED XENOLITH IN IGNIMBRITES FROM UPPER CHEGEM CALDERA, NORTHERN CAUCASUS, KABARDINO-BALKARIA, RUSSIA: OCCURRENCE, CRYSTAL STRUCTURE, AND NEW DATA ON THE MINERAL ASSEMBLAGES. Canadian Mineralogist, 2015, 53, 325-344.	1.0	8
26	The crystal structure of flamite and its relation to Ca2 SiO4 polymorphs and nagelschmidtite. European Journal of Mineralogy, 2015, 27, 755-769.	1.3	23
27	Harmunite CaFe2O4: A new mineral from the Jabel Harmun, West Bank, Palestinian Autonomy, Israel. American Mineralogist, 2014, 99, 965-975.	1.9	64
28	Superspace description of wagnerite-group minerals (Mg,Fe,Mn)₂(PO₄)(F,OH). Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 243-258.	1.1	7
29	Shulamitite Ca3TiFe3+ AlO8 - a new perovskite-related mineral from Hatrurim Basin, Israel. European Journal of Mineralogy, 2013, 25, 97-111.	1.3	40
30	Crystal chemistry and hydrogen bonding of rustumite Ca10(Si2O7)2(SiO4)(OH)2Cl2 with variable OH, Cl, F. American Mineralogist, 2013, 98, 493-500.	1.9	4
31	High-temperature induced dehydration, phase transition and exsolution in amicite: A single-crystal X-ray study. Microporous and Mesoporous Materials, 2013, 182, 207-219.	4.4	7
32	In situ dehydration behavior of zeolite-like pentagonite: A single-crystal X-ray study. Journal of Solid State Chemistry, 2013, 197, 508-516.	2.9	8
33	Monoclinic structure and nonstoichiometry of `KAlSiO₄-O1'. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 334-336.	0.4	8
34	Superstructure of Mullite-type KAl9O14. Chemistry of Materials, 2013, 25, 496-502.	6.7	8
35	In situ dehydration behavior of veszelyite (Cu,Zn)2Zn(PO4)(OH)3{middle dot}2H2O: A single-crystal X-ray study. American Mineralogist, 2013, 98, 1261-1269.	1.9	5
36	Kyzylkumite, Ti₂V^{³⁺}O₅(OH): new structure type, modularity and revised formula. Mineralogical Magazine, 2013, 77, 33-44.	1.4	2

#	Article	IF	Citations
37	In situ dehydration behavior of zeolite-like cavansite: A single-crystal X-ray study. American Mineralogist, 2012, 97, 1874-1880.	1.9	12
38	Hydrogen-bond system and dehydration behavior of the natural zeolite partheite. American Mineralogist, 2012, 97, 1866-1873.	1.9	4
39	Pavlovskyite Ca8(SiO4)2(Si3O10): A new mineral of altered silicate-carbonate xenoliths from the two Russian type localities, Birkhin massif, Baikal Lake area and Upper Chegem caldera, North Caucasus. American Mineralogist, 2012, 97, 503-512.	1.9	18
40	Trabzonite, Ca₄[Si₃O₉(OH)]OH: crystal structure, revised formula, new occurrence and relation to killalaite. Mineralogical Magazine, 2012, 76, 455-472.	1.4	9
41	Edgrewite Ca9(SiO4)4F2-hydroxyledgrewite Ca9(SiO4)4(OH)2, a new series of calcium humite-group minerals from altered xenoliths in the ignimbrite of Upper Chegem caldera, Northern Caucasus, Kabardino-Balkaria, Russia. American Mineralogist, 2012, 97, 1998-2006.	1.9	14
42	Magnesiohogbomite-2N4S: A new polysome from the central Sor Rondane Mountains, East Antarctica. American Mineralogist, 2012, 97, 268-280.	1.9	8
43	Crystal structure, thermodynamic properties, and paragenesis of bukovsk^|^yacute;ite, Fe2(AsO4)(SO4)(OH)^|^middot;9H2O. Journal of Mineralogical and Petrological Sciences, 2012, 107, 133-148.	0.9	25
44	Dehydration of the natural zeolite goosecreekite CaAl2Si6O16{middle dot}5H2O upon stepwise heating: A single-crystal and powder X-ray study. American Mineralogist, 2011, 96, 1070-1078.	1.9	4
45	Chlorine content and crystal chemistry of dellaite from the Birkhin gabbro massif, Eastern Siberia, Russia. Mineralogical Magazine, 2011, 75, 379-394.	1.4	8
46	Rusinovite, Ca10 (Si2 O7)3 Cl2: a new skarn mineral from the Upper Chegem caldera, Kabardino-Balkaria, Northern Caucasus, Russia. European Journal of Mineralogy, 2011, 23, 837-844.	1.3	20
47	Werdingite from a pegmatite at Almgjotheii, Rogaland, Norway: The role of iron in a borosilicate with a mullite-type structure. European Journal of Mineralogy, 2011, 23, 577-589.	1.3	0
48	Vorlanite (CaU6+)O4--A new mineral from the Upper Chegem caldera, Kabardino-Balkaria, Northern Caucasus, Russia. American Mineralogist, 2011, 96, 188-196.	1.9	37
49	Crystal Chemistry and Stability of â€œLi₇La₃Zr₂O₁₂â€• Garnet: A Fast Lithium-Ion Conductor. Inorganic Chemistry, 2011, 50, 1089-1097.	4.0	600
50	Galuskinite, Ca₇(SiO₄)₃(CO₃), a new skarn mineral from the Birkhin gabbro massif, Eastern Siberia, Russia. Mineralogical Magazine, 2011, 75, 2631-2648.	1.4	19
51	MENZERITE-(Y), A NEW SPECIES, Â[(Mg,Fe2+)(Fe3+,Al)](Si3)O12, FROM A FELSIC GRANULITE, PARRY SOUND, ONTARIO, AND A NEW GARNET END-MEMBER, Â[Mg2](Si3)O12. Canadian Mineralogist, 2010, 48, 1171-1193.	1.0	32
52	Elbrusite-(Zr)--A new uranian garnet from the Upper Chegem caldera, Kabardino-Balkaria, Northern Caucasus, Russia. American Mineralogist, 2010, 95, 1172-1181.	1.9	45
53	Bitikleite-(SnAl) and bitikleite-(ZrFe): New garnets from xenoliths of the Upper Chegem volcanic structure, Kabardino-Balkaria, Northern Caucasus, Russia. American Mineralogist, 2010, 95, 959-967.	1.9	20
54	Eringaite, Ca3Sc2(SiO4)3, a new mineral of the garnet group. Mineralogical Magazine, 2010, 74, 365-373.	1.4	16

#	Article	IF	Citations
55	Monoclinic superstructure of mullite-type KAl9O14. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s176-s176.	0.3	0
56	Meta-autunite from a Li-pegmatite of the Cer Mt., Serbia: Its mineralogical and XRD investigations. Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2009, 186, 333-344.	0.3	5
57	On the symmetry of Ba3Al2O6 â€“ X-ray diffraction and Raman spectroscopy studies. Solid State Sciences, 2009, 11, 77-84.	3.2	24
58	Modulated structure and phase transitions of Sr₁₀Ga₆O₁₉. Acta Crystallographica Section B: Structural Science, 2009, 65, 587-592.	1.8	4
59	Kumtyubeite Ca5(SiO4)2F2–A new calcium mineral of the humite group from Northern Caucasus, Kabardino-Balkaria, Russia. American Mineralogist, 2009, 94, 1361-1370.	1.9	22
60	Chegemite Ca7(SiO4)3(OH)2 a new humite-group calcium mineral from the Northern Caucasus, Kabardino-Balkaria, Russia. European Journal of Mineralogy, 2009, 21, 1045-1059.	1.3	34
61	Thermodynamic and crystallographic properties of kornelite [Fe2(SO4)3{middle dot}Â7.75H2O] and paracoquimbite [Fe2(SO4)3{middle dot}9H2O]. American Mineralogist, 2009, 94, 1620-1628.	1.9	24
62	Incommensurate structure of Ca₂Al₂O₅ at high temperatures â€“ structure investigation and Raman spectroscopy. Acta Crystallographica Section B: Structural Science, 2008, 64, 417-425.	1.8	38
63	Structural studies on a stuffed framework high pressure polymorph of CaAl2O4. Zeitschrift Fur Kristallographie - Crystalline Materials, 2007, 222, .	0.8	7
64	On the polymorphism of CaAl2O4â€”structural investigations of two high pressure modifications. Solid State Sciences, 2006, 8, 589-597.	3.2	35
65	Tetrastrontium-digalliumoxide (Sr4Ga2O7)â€”synthesis and crystal structure of a mixed anion strontium gallate related to perovskite. Journal of Solid State Chemistry, 2005, 178, 1429-1439.	2.9	9
66	Rietveld Analysis of a High Pressure Modification of Monocalcium Oxogallate (CaGa2O4). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 2411-2415.	1.2	9