

List of Publications by Year in descending order

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36
papers

1,140
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789
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#	ARTICLE	IF	CITATIONS
1	Ice-VII inclusions in diamonds: Evidence for aqueous fluid in Earth's deep mantle. <i>Science</i> , 2018, 359, 1136-1139.	6.0	166
2	Tistarite, Ti_2O_3 , a new refractory mineral from the Allende meteorite. <i>American Mineralogist</i> , 2009, 94, 841-844.	0.9	101
3	Tissintite, $(Ca,Na)AlSi_2O_6$, a highly-defective, shock-induced, high-pressure clinopyroxene in the Tissint martian meteorite. <i>Earth and Planetary Science Letters</i> , 2015, 422, 194-205.	1.8	79
4	Krotite, $CaAl_2O_4$, a new refractory mineral from the NWA 1934 meteorite. <i>American Mineralogist</i> , 2011, 96, 709-715.	0.9	60
5	Barioperovskite, $BaTiO_3$, a new mineral from the Benitoite Mine, California. <i>American Mineralogist</i> , 2008, 93, 154-157.	0.9	59
6	Davisite, $CaScAlSiO_6$, a new pyroxene from the Allende meteorite. <i>American Mineralogist</i> , 2009, 94, 845-848.	0.9	54
7	Allendeite ($Sc_4Zr_3O_{12}$) and hexamolybdenum (Mo,Ru,Fe), two new minerals from an ultrarefractory inclusion from the Allende meteorite. <i>American Mineralogist</i> , 2014, 99, 654-666.	0.9	53
8	Panguite, $(Ti_4,Sc,Al,Mg,Zr,Ca)_{1.8}O_3$, a new ultra-refractory titania mineral from the Allende meteorite: Synchrotron micro-diffraction and EBSD. <i>American Mineralogist</i> , 2012, 97, 1219-1225.	0.9	52
9	Liebermannite, $K_3Si_3O_8$, a new shock-metamorphic, high-pressure mineral from the Zagami Martian meteorite. <i>Meteoritics and Planetary Science</i> , 2018, 53, 50-61.	0.7	49
10	Fibrous nanoinclusions in massive rose quartz: HRTEM and AEM investigations. <i>American Mineralogist</i> , 2002, 87, 269-276.	0.9	43
11	Calcium Tschermak's pyroxene, $CaAlAlSiO_6$, from the Allende and Murray meteorites: EBSD and micro-Raman characterizations. <i>American Mineralogist</i> , 2009, 94, 1483-1486.	0.9	42
12	Kangite, $(Sc,Ti,Al,Zr,Mg,Ca)_2O_3$, a new ultra-refractory scandia mineral from the Allende meteorite: Synchrotron micro-Laue diffraction and electron backscatter diffraction. <i>American Mineralogist</i> , 2013, 98, 870-878.	0.9	42
13	Monipite, $MoNiP$, a new phosphide mineral in a Ca-Al-rich inclusion from the Allende meteorite. <i>American Mineralogist</i> , 2014, 99, 198-205.	0.9	42
14	Brearleyite, $Ca_{12}Al_{14}O_{32}Cl_2$, a new alteration mineral from the NWA 1934 meteorite. <i>American Mineralogist</i> , 2011, 96, 1199-1206.	0.9	39
15	Buseckite, $(Fe,Zn,Mn)_3S$, a new mineral from the Zaklodzie meteorite. <i>American Mineralogist</i> , 2012, 97, 1226-1233.	0.9	36
16	Browneite, MnS , a new sphalerite-group mineral from the Zaklodzie meteorite. <i>American Mineralogist</i> , 2012, 97, 2056-2059.	0.9	30
17	A vacancy-rich, partially inverted spinelloid silicate, $(Mg,Fe,Si)_2(Si_4)O_4$, as a major matrix phase in shock melt veins of the Tenham and Suizhou L6 chondrites. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1907-1918.	0.7	30
18	Warkite, $Ca_2Sc_6Al_6O_{20}$, a new mineral in carbonaceous chondrites and a key-stone phase in ultrarefractory inclusions from the solar nebula. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 277, 52-86.	1.6	30

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19	Murchisite, Cr ₅ S ₆ , a new mineral from the Murchison meteorite. <i>American Mineralogist</i> , 2011, 96, 1905-1908.	0.9	26
20	Mineralogical and oxygen isotopic study of a new ultrarefractory inclusion in the Northwest Africa 3118 CV3 chondrite. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2184-2205.	0.7	23
21	Discovery of native aluminum on Variscan metagranitoids in Upper Carinthia, Austria: natural or anthropogenic origin?. <i>Rendiconti Lincei</i> , 2019, 30, 167-184.	1.0	21
22	Riesite, a New High Pressure Polymorph of TiO ₂ from the Ries Impact Structure. <i>Minerals (Basel)</i> , 2020, 10, 1072.	0.8	21
23	Evidence for sodium-rich alkaline water in the Tagish Lake parent body and implications for amino acid synthesis and racemization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11217-11219.	3.3	8
24	Structure analysis and conditions of formation of akimotoite in the Tenham chondrite. <i>Meteoritics and Planetary Science</i> , 2018, 53, 62-74.	0.7	7
25	Tilkerodeite, Pd ₂ HgSe ₃ , a New Platinum-Group Mineral from Tilkerode, Harz Mountains, Germany. <i>Crystals</i> , 2020, 10, 687.	1.0	5
26	Ganterite, the barium mica Ba _{0.5} K _{0.5} Al ₂ (Al _{1.5} Si _{2.5})O ₁₀ (OH) ₂ , from Oreana, Nevada. <i>American Mineralogist</i> , 2006, 91, 702-705.	0.9	4
27	New minerals in type A inclusions from Allende and clues to processes in the early solar system: Paquite, Ca ₃ TiSi ₂ (Al,Ti,Si) ₃ O ₁₄ , and burnettite, Ca ₆ AlSi ₆ . <i>Meteoritics and Planetary Science</i> , 2022, 57, 1300-1324.	0.7	4
28	Structure Analysis of Natural Wangdaodeite—LiNbO ₃ -Type FeTiO ₃ . <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1072.	0.8	3
29	Sierra Gorda 013: Unusual CBa-like chondrite. <i>Meteoritics and Planetary Science</i> , 2022, 57, 657-682.	0.7	3
30	Flaggite, Pb ₄ Cu ₂ ⁺ ₄ Te ₆ ⁺ ₂ (SO ₄) ₂ O ₁₁ (C), a new mineral with stair-step-like HCP layers from Tombstone, Arizona, USA. <i>Mineralogical Magazine</i> , 0, , 1-22.	0.6	3
31	Scenicite, a new uranyl-sulfate mineral from the White Canyon district, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2022, 86, 743-748.	0.6	3
32	Relianceite-(K), a new phosphate-oxalate mineral related to davidbrowneite-(NH ₄) from the Rowley mine, Arizona, USA. <i>Mineralogical Magazine</i> , 0, , 1-9.	0.6	1
33	Beckettite, Ca ₂ V ₆ Al ₆ O ₂₀ , a new mineral in a Type A refractory inclusion from Allende and clues to processes in the early solar system. <i>Meteoritics and Planetary Science</i> , 2021, 56, 2265-2272.	0.7	1
34	Reply to Bada: Acidity and fluid composition on the Tagish Lake parent body. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22650-22651.	3.3	0
35	Unnamed Pt(Cu _{0.67} Sn _{0.33}) from the Bolshoy Khailyk River, Western Sayans, Russia, and a Review of Related Compounds and Solid Solutions. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1240.	0.8	0
36	Dendorait-(NH ₄), a new phosphate-oxalate mineral related to thebaite-(NH ₄) from the Rowley mine, Arizona, USA. <i>Mineralogical Magazine</i> , 0, , 1-8.	0.6	0