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List of Publications by Year
in descending order

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29 papers	1,366 citations	471509 17 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	1427 citing authors

#	Article	IF	Citations
1	Constraints on non-isothermal diffusion modeling: An experimental analysis and error assessment using halogen diffusion in melts. American Mineralogist, 2020, 105, 227-238.	1.9	5
2	OH defect contents in quartz in a granitic system at 1â€“5Âkbar. Contributions To Mineralogy and Petrology, 2019, 174, 98.	3.1	18
3	CO2â€“H2O solubility in K-rich phonolitic and leucititic melts. Contributions To Mineralogy and Petrology, 2019, 174, 1.	3.1	16
4	Bonding of xenon to oxygen in magmas at depth. Earth and Planetary Science Letters, 2018, 484, 103-110.	4.4	9
5	CO2 bubble nucleation upon pressure release in potassium-rich silicate magmas. Chemical Geology, 2017, 461, 171-181.	3.3	2
6	CO2-crystal wettability in potassic magmas: implications for eruptive dynamics in light of experimental evidence for heterogeneous nucleation. Geophysical Journal International, 2017, 209, 688-694.	2.4	5
7	The effect of lithium on the viscosity of pegmatite forming liquids. Chemical Geology, 2015, 410, 1-11.	3.3	21
8	Organic Compounds and Conditioning Films Within Deep Rock Fractures of the Ã„spÃ¶ Hard Rock Laboratory, Sweden. Geomicrobiology Journal, 2015, 32, 231-242.	2.0	6
9	Constraints on the incorporation mechanism of chlorine in peralkaline and peraluminous Na2O-CaO-Al2O3-SiO2 glasses. American Mineralogist, 2014, 99, 1713-1723.	1.9	14
10	The effect of fluorine, boron and phosphorus on the viscosity of pegmatite forming melts. Chemical Geology, 2013, 346, 184-198.	3.3	74
11	Fluorine and chlorine diffusion in phonolitic melt. Chemical Geology, 2013, 346, 162-171.	3.3	21
12	Water diffusion in phonolite melts. Geochimica Et Cosmochimica Acta, 2013, 107, 220-230.	3.9	14
13	Hydrothermal replacement of Aragonite by Calcite: interplay between replacement, fracturing and growth. European Journal of Mineralogy, 2013, 25, 123-136.	1.3	39
14	BaMn[CO3]2 â€“ a previously unrecognized double carbonate in low-temperature environments: Structural, spectroscopic, and textural tools for future identification. Chemie Der Erde, 2012, 72, 85-89.	2.0	14
15	Experimental study of the aragonite to calcite transition in aqueous solution. Geochimica Et Cosmochimica Acta, 2011, 75, 6211-6224.	3.9	72
16	The replacement of plagioclase feldspars by albite: observations from hydrothermal experiments. Contributions To Mineralogy and Petrology, 2010, 159, 43-59.	3.1	169
17	Water speciation in sodium silicate glasses based on NIR and NMR spectroscopy. Chemical Geology, 2008, 256, 231-241.	3.3	36
18	Water solubility in phonolite melts: Influence of melt composition and temperature. Chemical Geology, 2008, 256, 259-268.	3.3	66

#	Article	IF	Citations
19	Raman spectroscopic characterisation of disordered alkali feldspars along the join KAlSi3O8NaAlSi3O8: application to natural sanidine and anorthoclase. European Journal of Mineralogy, 2008, 20, 1055-1065.	1.3	27
20	Equilibrium and disequilibrium degassing of a phonolitic melt (Vesuvius AD 79 â€œwhite pumiceâ€) simulated by decompression experiments. Journal of Volcanology and Geothermal Research, 2007, 161, 151-164.	2.1	63
21	Retention of Xenon in Quartz and Earth's Missing Xenon. Science, 2005, 310, 1174-1177.	12.6	99
22	Aluminum coordination and the densification of high-pressure aluminosilicate glasses. American Mineralogist, 2005, 90, 1218-1222.	1.9	201
23	The effect of composition, compression, and decompression on the structure of high-pressure aluminosilicate glasses: an investigation utilizing 17O and 27Al NMR. , 2005, , 211-240.		3
24	Structural mechanisms of compression and decompression in high-pressure K2Si4O9 glasses: an investigation utilizing Raman and NMR spectroscopy of glasses and crystalline materials. Chemical Geology, 2004, 213, 137-151.	3.3	71
25	Effect of boron on the water speciation in (alumino)silicate melts and glasses. Geochimica Et Cosmochimica Acta, 2004, 68, 5013-5025.	3.9	12
26	Structural implications of water and boron dissolution in albite glass. Journal of Non-Crystalline Solids, 2004, 337, 207-219.	3.1	28
27	Decompression experiments as an insight into ascent rates of silicic magmas. Contributions To Mineralogy and Petrology, 2003, 144, 397-415.	3.1	127
28	Experimental evidence for high noble gas solubilities in silicate melts under mantle pressures. Earth and Planetary Science Letters, 2002, 195, 277-290.	4.4	55
29	Quantitative determination of water speciation in aluminosilicate glasses: a comparative NMR and IR spectroscopic study. Chemical Geology, 2001, 174, 195-208.	3.3	67