

Gordon Moore

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3140715/publications.pdf>

Version: 2024-02-01

23
papers

1,565
citations

516561

16
h-index

677027

22
g-index

23
all docs

23
docs citations

23
times ranked

1377
citing authors

#	ARTICLE	IF	CITATIONS
1	VESlcal: 2. A Critical Approach to Volatile Solubility Modeling Using an Open-Source Python3 Engine. Earth and Space Science, 2022, 9, .	1.1	16
2	VESlcal Part I: An Open-Source Thermodynamic Model Engine for Mixed Volatile (H ₂ O+CO ₂) Solubility in Silicate Melts. Earth and Space Science, 2021, 8, e2020EA001584.	1.1	35
3	Calibration of Fe XANES for high-precision determination of Fe oxidation state in glasses: Comparison of new and existing results obtained at different synchrotron radiation sources. American Mineralogist, 2017, 102, 369-380.	0.9	31
4	A comparison of olivine-melt thermometers based on D_{Mg} and D_{Ni} : The effects of melt composition, temperature, and pressure with applications to MORBs and hydrous arc basalts. American Mineralogist, 2017, 102, 750-765.	0.9	24
5	A K-feldspar "liquid hygrometer specific to alkaline differentiated magmas. Chemical Geology, 2015, 392, 1-8.	1.4	44
6	Oxygen fugacity control in piston-cylinder experiments: a re-evaluation. Contributions To Mineralogy and Petrology, 2014, 167, 1.	1.2	5
7	Clinopyroxene "liquid thermometers and barometers specific to alkaline differentiated magmas. Contributions To Mineralogy and Petrology, 2013, 166, 1545-1561.	1.2	122
8	Surface tension of hydrous silicate melts: Constraints on the impact of melt composition. Journal of Volcanology and Geothermal Research, 2013, 267, 68-74.	0.8	32
9	An issue honoring Ian S. E. Carmichael. Contributions To Mineralogy and Petrology, 2013, 166, 655-663.	1.2	0
10	H ₂ O+CO ₂ solubility in mafic alkaline magma: applications to volatile sources and degassing behavior at Erebus volcano, Antarctica. Contributions To Mineralogy and Petrology, 2013, 166, 845-860.	1.2	19
11	Assessing Early Spanish Explorer Routes Through Authentication of Rock Inscriptions. Professional Geographer, 2012, 64, 415-429.	1.0	11
12	Mechanisms for transition in eruptive style at a monogenetic scoria cone revealed by microtextural analyses (Lathrop Wells volcano, Nevada, U.S.A.). Bulletin of Volcanology, 2010, 72, 593-607.	1.1	47
13	CHEMICAL ASSAYS OF TEMPER AND CLAY: MODELLING POTTERY PRODUCTION AND EXCHANGE IN THE UPLANDS NORTH OF THE PHOENIX BASIN, ARIZONA, USA*. Archaeometry, 2008, 50, 48-66.	0.6	8
14	Interpreting H ₂ O and CO ₂ Contents in Melt Inclusions: Constraints from Solubility Experiments and Modeling. Reviews in Mineralogy and Geochemistry, 2008, 69, 333-362.	2.2	87
15	A low-pressure high-temperature technique for the piston-cylinder. American Mineralogist, 2008, 93, 48-52.	0.9	19
16	Analyzing hydrogen (H ₂ O) in silicate glass by secondary ion mass spectrometry and reflectance Fourier transform infrared spectroscopy. Developments in Volcanology, 2003, , 83-103.	0.5	13
17	Calibration of a reflectance FTIR method for determination of dissolved CO ₂ concentration in rhyolitic glasses. Geochimica Et Cosmochimica Acta, 2000, 64, 3571-3579.	1.6	34
18	The hydrous phase equilibria (to 3 kbar) of an andesite and basaltic andesite from western Mexico: constraints on water content and conditions of phenocryst growth. Contributions To Mineralogy and Petrology, 1998, 130, 304-319.	1.2	405

#	ARTICLE	IF	CITATIONS
19	An empirical model for the solubility of H ₂ O in magmas to 3 kilobars. American Mineralogist, 1998, 83, 36-42.	0.9	349
20	The effect of dissolved water on the oxidation state of iron in natural silicate liquids. Contributions To Mineralogy and Petrology, 1995, 120, 170-179.	1.2	100
21	Solubility of water in magmas to 2 kbar. Geology, 1995, 23, 1099.	2.0	58
22	The effect of dissolved water on the oxidation state of iron in natural silicate liquids. Contributions To Mineralogy and Petrology, 1995, 120, 170-179.	1.2	6
23	Basaltic volcanism and extension near the intersection of the Sierra Madre volcanic province and the Mexican Volcanic Belt. Bulletin of the Geological Society of America, 1994, 106, 383-394.	1.6	100