Catherine A Macris

List of Publications by Year
in descending order

14	593	933447 10	1199594 12
papers	citations	h-index	g-index

15	15	15	549
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Origin of Î²-cristobalite in Libyan Desert Glass: The hottest naturally occurring silica polymorph?. American Mineralogist, 2022, 107, 1325-1340.	1.9	3
2	Isotope velocimetry: Experimental and theoretical demonstration of the potential importance of gas flow for isotope fractionation during evaporation of protoplanetary material. Earth and Planetary Science Letters, 2022, 589, 117575.	4.4	4
3	Evaporation-induced copper isotope fractionation: Insights from laser levitation experiments. Geochimica Et Cosmochimica Acta, 2021, 298, 131-148.	3.9	12
4	Thermodynamic modeling of high-grade metabasites: a case study using the Tso Morari UHP eclogite. Contributions To Mineralogy and Petrology, 2020, 175, 1.	3.1	10
5	Diopside, enstatite and forsterite solubilities in H2O and H2O-NaCl solutions at lower crustal and upper mantle conditions. Geochimica Et Cosmochimica Acta, 2020, 279, 119-142.	3.9	21
6	Seconds after impact: Insights into the thermal history of impact ejecta from diffusion between lechatelierite and host glass in tektites and experiments. Geochimica Et Cosmochimica Acta, 2018, 241, 69-94.	3.9	20
7	Equilibrium Fractionation of Non-traditional Stable Isotopes: an Experimental Perspective. Reviews in Mineralogy and Geochemistry, 2017, 82, 65-83.	4.8	28
8	3 Equilibrium Fractionation of Non-traditional Stable Isotopes: an Experimental Perspective. , 2017, , 65-84.		1
9	USING DIFFUSION IN TEKTITES AND EXPERIMENTS TO INVESTIGATE IMPACT PLUME DYNAMICS. , 2017, , .		1
10	High-temperature equilibrium isotope fractionation of non-traditional stable isotopes: Experiments, theory, and applications. Chemical Geology, 2015, 395, 176-195.	3.3	163
11	Crystal chemical constraints on inter-mineral Fe isotope fractionation and implications for Fe isotope disequilibrium in San Carlos mantle xenoliths. Geochimica Et Cosmochimica Acta, 2015, 154, 168-185.	3.9	57
12	Experimental determination of equilibrium magnesium isotope fractionation between spinel, forsterite, and magnesite from 600 to 800 Â°C. Geochimica Et Cosmochimica Acta, 2013, 118, 18-32.	3.9	49
13	High-temperature Si isotope fractionation between iron metal and silicate. Geochimica Et Cosmochimica Acta, 2011, 75, 7688-7697.	3.9	82
14	Spinelâ€“olivine magnesium isotope thermometry in the mantle and implications for the Mg isotopic composition of Earth. Earth and Planetary Science Letters, 2009, 288, 524-533.	4.4	142