

Catherine A Macris

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

593
citations

933447

10
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

549
citing authors

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