

Baptiste Debret

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,357
citations

394421

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642732

23
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23
all docs

23
docs citations

23
times ranked

1222
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium isotope measurements using a collision cell (CC)-MC-ICP-MS. <i>Chemical Geology</i> , 2022, 590, 120688.	3.3	14
2	Iron and zinc stable isotope evidence for open-system high-pressure dehydration of antigorite serpentinite in subduction zones. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 296, 210-225.	3.9	15
3	Quantifying the Axial Magma Lens Dynamics at the Roof of Oceanic Magma Reservoirs (Dike/Gabbro) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> 126, e2020JB021496.	3.4	7
4	Mariana serpentinite mud volcanism exhumes subducted seamount materials: implications for the origin of life. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20180425.	3.4	33
5	The intrinsic nature of antigorite breakdown at 3 GPa: Experimental constraints on redox conditions of serpentinite dehydration in subduction zones. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	3.1	21
6	Mantle heterogeneity through Zn systematics in oceanic basalts: Evidence for a deep carbon cycling. <i>Earth-Science Reviews</i> , 2020, 205, 103174.	9.1	44
7	Ore component mobility, transport and mineralization at mid-oceanic ridges: A stable isotopes (Zn, Cu) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> 2018, 503, 170-180.	4.4	29
8	Carbonate Transfer during the Onset of Slab Devolatilization: New Insights from Fe and Zn Stable Isotopes. <i>Journal of Petrology</i> , 2018, 59, 1145-1166.	2.8	55
9	The behavior of iron and zinc stable isotopes accompanying the subduction of mafic oceanic crust: A case study from <i><scp>W</scp>estern <scp>A</scp>lpine ophiolites. <i>Geochemistry, Geophysics, Geosystems</i>, 2017, 18, 2562-2579.</i>	2.5	68
10	Assessing sulfur redox state and distribution in abyssal serpentinites using XANES spectroscopy. <i>Earth and Planetary Science Letters</i> , 2017, 466, 1-11.	4.4	36
11	Zinc isotope evidence for sulfate-rich fluid transfer across subduction zones. <i>Nature Communications</i> , 2016, 7, 13794.	12.8	74
12	Magnetic signatures of serpentinization at ophiolite complexes. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2969-2986.	2.5	44
13	Titanium stable isotope investigation of magmatic processes on the Earth and Moon. <i>Earth and Planetary Science Letters</i> , 2016, 449, 197-205.	4.4	99
14	Isotopic evidence for iron mobility during subduction. <i>Geology</i> , 2016, 44, 215-218.	4.4	98
15	Volatile (Li, B, F and Cl) mobility during amphibole breakdown in subduction zones. <i>Lithos</i> , 2016, 244, 165-181.	1.4	30
16	Redox state of iron during high-pressure serpentinite dehydration. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.	3.1	76
17	Evolution of Fe redox state in serpentine during subduction. <i>Earth and Planetary Science Letters</i> , 2014, 400, 206-218.	4.4	89
18	F, Cl and S input via serpentinite in subduction zones: implications for the nature of the fluid released at depth. <i>Terra Nova</i> , 2014, 26, 96-101.	2.1	67

#	ARTICLE	IF	CITATIONS
19	High-pressure serpentinites, a trap-and-release system controlled by metamorphic conditions: Example from the Piedmont zone of the western Alps. <i>Chemical Geology</i> , 2013, 343, 38-54.	3.3	83
20	Trace element behavior during serpentinitization/de-serpentinitization of an eclogitized oceanic lithosphere: A LA-ICPMS study of the Lanzo ultramafic massif (Western Alps). <i>Chemical Geology</i> , 2013, 357, 117-133.	3.3	59
21	Three steps of serpentinitization in an eclogitized oceanic serpentinitization front (Lanzo Massif) <i>J. Metamorphic Geol.</i> 2014, 32, 1-14.	3.4	76
22	Pressure-temperature estimates of the lizardite/antigorite transition in high pressure serpentinites. <i>Lithos</i> , 2013, 178, 197-210.	1.4	238