

Baptiste Debret

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,357
citations

394421

19
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642732

23
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all docs

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docs citations

23
times ranked

1222
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-temperature estimates of the lizardite/antigorite transition in high pressure serpentinites. <i>Lithos</i> , 2013, 178, 197-210.	1.4	238
2	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
3	Isotopic evidence for iron mobility during subduction. <i>Geology</i> , 2016, 44, 215-218.	4.4	98
4	Evolution of Fe redox state in serpentine during subduction. <i>Earth and Planetary Science Letters</i> , 2014, 400, 206-218.	4.4	89
5	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
6	Three steps of serpentinization in an eclogitized oceanic serpentinitization front (Lanzo Massif) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.4	76
7	Redox state of iron during high-pressure serpentinite dehydration. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.	3.1	76
8	Zinc isotope evidence for sulfate-rich fluid transfer across subduction zones. <i>Nature Communications</i> , 2016, 7, 13794.	12.8	74
9	The behavior of iron and zinc stable isotopes accompanying the subduction of mafic oceanic crust: A case study from western Alpine ophiolites. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2562-2579.	2.5	68
10	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
11	Trace element behavior during serpentinization/de-serpentinization 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
12	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
13	Magnetic signatures of serpentinization at ophiolite complexes. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2969-2986.	2.5	44
14	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
15	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
16	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
17	Volatile (Li, B, F and Cl) mobility during amphibole breakdown in subduction zones. <i>Lithos</i> , 2016, 244, 165-181.	1.4	30
18	Ore component mobility, transport and mineralization at mid-oceanic ridges: A stable isotopes (Zn, Cu) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.4	29

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Calcium isotope measurements using a collision cell (CC)-MC-ICP-MS. <i>Chemical Geology</i> , 2022, 590, 120688.	3.3	14
22	Quantifying the Axial Magma Lens Dynamics at the Roof of Oceanic Magma Reservoirs (Dike/Gabbro) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i> 126, e2020JB021496.	3.4	7