Lyderic France

List of Publications by Year
in descending order

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47 papers	1,208 citations	361413 20 h-index	395702 33 g-index
49 all docs	49 docs citations	49 times ranked	1120 citing authors

#	Article	IF	Citations
1	Hydrous partial melting in the sheeted dike complex at fast spreading ridges: experimental and natural observations. Contributions To Mineralogy and Petrology, 2010, 160, 683-704.	3.1	119
2	Interactions between magma and hydrothermal system in Oman ophiolite and in IODP Hole 1256D: Fossilization of a dynamic melt lens at fast spreading ridges. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	108
3	Behavior of fluid-mobile elements in serpentines from abyssal to subduction environments: Examples from Cuba and Dominican Republic. Chemical Geology, 2012, 312-313, 93-117.	3.3	94
4	Gabbros from IODP Site 1256, equatorial Pacific: Insight into axial magma chamber processes at fast spreading ocean ridges. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	58
5	Root zone of the sheeted dike complex in the Oman ophiolite. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	53
6	Dynamic Accretion Beneath a Slowâ€Spreading Ridge Segment: IODP Hole 1473A and the Atlantis Bank Oceanic Core Complex. Journal of Geophysical Research: Solid Earth, 2019, 124, 12631-12659.	3.4	53
7	Syn- to post-orogenic exhumation of metamorphic nappes: Structure and thermobarometry of the western Attic-Cycladic metamorphic complex (Lavrion, Greece). Journal of Geodynamics, 2016, 96, 174-193.	1.6	52
8	Subsidence in magma chamber and the development of magmatic foliation in Oman ophiolite gabbros. Earth and Planetary Science Letters, 2009, 284, 76-87.	4.4	43
9	A new method to estimate the oxidation state of basaltic series from microprobe analyses. Journal of Volcanology and Geothermal Research, 2010, 189, 340-346.	2.1	40
10	Silicate melt inclusions in the new millennium: A review of recommended practices for preparation, analysis, and data presentation. Chemical Geology, 2021, 570, 120145.	3.3	40
11	Occurrence of Felsic Rocks in Oceanic Gabbros from IODP Hole U1473A: Implications for Evolved Melt Migration in the Lower Oceanic Crust. Minerals (Basel, Switzerland), 2018, 8, 583.	2.0	39
12	Contamination of MORB by anatexis of magma chamber roof rocks: Constraints from a geochemical study of experimental melts and associated residues. Lithos, 2014, 202-203, 120-137.	1.4	35
13	Hydrous magmatism triggered by assimilation of hydrothermally altered rocks in fossil oceanic crust (northern Oman ophiolite). Geochemistry, Geophysics, Geosystems, 2013, 14, 2598-2614.	2.5	29
14	Anatexis at the roof of an oceanic magma chamber at IODP Site 1256 (equatorial Pacific): an experimental study. Contributions To Mineralogy and Petrology, 2015, 169, 1.	3.1	29
15	Ferric iron and water incorporation in wadsleyite under hydrous and oxidizing conditions: A XANES, Mossbauer, and SIMS study. American Mineralogist, 2012, 97, 1483-1493.	1.9	24
16	Controls on magmatic cycles and development of rift topography of the Manda Hararo segment (Afar,) Tj ETQq0 0 0 rgBT /Overlock 10 T Science Letters, 2013, 367, 133-145.	4.4	24
17	Mantle refertilization and magmatism in old orogenic regions: The role of late-orogenic pyroxenites. Lithos, 2015, 232, 49-75.	1.4	24
18	Magmatic cycles pace tectonic and morphological expression of rifting (Afar depression, Ethiopia). Earth and Planetary Science Letters, 2016, 446, 77-88.	4.4	22

#	Article	IF	Citations
19	Magma Reservoir Formation and Evolution at a Slow-Spreading Center (Atlantis Bank, Southwest) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	21
20	Felsic Plutonic Rocks from IODP Hole 1256D, Eastern Pacific: Implications for the Nature of the Axial Melt Lens at Fast-Spreading Mid-Ocean Ridges. Journal of Petrology, 2017, 58, 1535-1565.	2.8	20
21	Site U1473. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	20
22	Trace element evidence for anatexis at oceanic magma chamber roofs and the role of partial melts for contamination of fresh MORB. Lithos, 2016, 260, 1-8.	1.4	18
23	Tracing helium isotope compositions from mantle source to fumaroles at Oldoinyo Lengai volcano, Tanzania. Chemical Geology, 2018, 480, 66-74.	3.3	18
24	Stability of rift axis magma reservoirs: Spatial and temporal evolution of magma supply in the Dabbahu rift segment (Afar, Ethiopia) over the past 30 kyr. Earth and Planetary Science Letters, 2015, 409, 278-289.	4.4	17
25	Volatiles (CO2, S, F, Cl, Br) in the dike-gabbro transition zone at IODP Hole 1256D: Magmatic imprint versus hydrothermal influence at fast-spreading mid-ocean ridge. Chemical Geology, 2017, 459, 43-60.	3.3	16
26	Trace element partitioning between clinopyroxene and alkaline magmas: parametrization and role of M1 site on HREE enrichment in clinopyroxenes. Contributions To Mineralogy and Petrology, 2020, 175, 1.	3.1	16
27	Multi-stage metasomatism revealed by trace element and Li isotope distributions in minerals of peridotite xenoliths from AllÃ¨gre volcano (French Massif Central). Lithos, 2016, 264, 158-174.	1.4	15
28	Oxygen isotopes reveal crustal contamination and a large, still partially molten magma chamber in ChaÃ®ne des Puys (French Massif Central). Lithos, 2016, 260, 328-338.	1.4	15
29	Grain Size Variations Record Segregation of Residual Melts in Slowâ€Spreading Oceanic Crust (Atlantis) Tj ETQq1 1 0.784314 rgBT /Ov e2020JB020997.	3.4	15
30	Role of compaction in melt extraction and accumulation at a slow spreading center: Microstructures of olivine gabbros from the Atlantis Bank (IODP Hole U1473A, SWIR). Tectonophysics, 2021, 815, 229001.	2.2	14
31	Metasomatism in the sub-continental lithospheric mantle beneath the south French Massif Central: Constraints from trace elements, Li and H in peridotite minerals. Chemical Geology, 2018, 478, 2-17.	3.3	12
32	Differential Fractionation of Rhyolites During the Course of Crustal Extension, Western Afar (Ethiopian Rift). Geochemistry, Geophysics, Geosystems, 2019, 20, 571-593.	2.5	12
33	Magmaâ€Mush Interactions in the Lower Oceanic Crust: Insights From Atlantis Bank Layered Series (Southwest Indian Ridge). Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022331.	3.4	11
34	Trace elements in anatectic products at the roof of mid-ocean ridge magma chambers: An experimental study. Chemical Geology, 2017, 456, 43-57.	3.3	10
35	MetaRep, an extended CMAS 3D program to visualize mafic (CMAS, ACF-S, ACF-N) and pelitic (AFM-K,) Tj ETQq1 1 0.784314 rgBT /Ov	4.2	9
36	Kinetic partitioning of major-minor cations between olivine and Hawaiian tholeiitic basalt under variable undercooling and cooling rate conditions. Chemical Geology, 2021, 584, 120485.	3.3	9

#	Article	IF	Citations
37	CMAS 3D, a new program to visualize and project major elements compositions in the CMAS system. Computers and Geosciences, 2009, 35, 1304-1310.	4.2	7
38	No evidence for carbon enrichment in the mantle source of carbonatites in eastern Africa. Geology, 2020, 48, 971-975.	4.4	7
39	Quantifying the Axial Magma Lens Dynamics at the Roof of Oceanic Magma Reservoirs (Dike/Gabbro) Tj ETQq1 1 0.784314 rgBT /Ove 126, e2020JB021496.	3.4	7
40	Hole U1473A remediation operations, Expedition 362T. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	6
41	Sulfide enrichment along igneous layer boundaries in the lower oceanic crust: IODP Hole U1473A, Atlantis Bank, Southwest Indian Ridge. Geochimica Et Cosmochimica Acta, 2022, 320, 179-206.	3.9	6
42	Trace element partitioning between wollastonite and alkaline silicate magmas. Chemical Geology, 2019, 523, 88-94.	3.3	5
43	Can destabilization rims of hydrous minerals be used to constrain magma ascent kinetics at lava dome volcanoes?. Bulletin of Volcanology, 2020, 82, 1.	3.0	4
44	Mantle metasomatic influence on water contents in continental lithosphere: New constraints from garnet pyroxenite xenoliths (France & Cameroon volcanic provinces). Chemical Geology, 2021, 575, 120257.	3.3	4
45	Analogues of exhumed pyroxenite layers in the Alboran domain sampled as xenoliths by Middle Atlas Cenozoic volcanism. Lithos, 2015, 230, 184-188.	1.4	3
46	Early carbonatite magmatism at Oldoinyo Lengai volcano (Tanzania): carbonatiteâ€“silicate melt immiscibility in Lengai I melt inclusions. Comptes Rendus - Geoscience, 2021, 353, 273-288.	1.2	3
47	IODP Expedition 335: Deep Sampling in ODP Hole 1256D. Scientific Drilling, 2012, , .	0.6	2