

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	Sulfide enrichment along igneous layer boundaries in the lower oceanic crust: IODP Hole U1473A, Atlantis Bank, Southwest Indian Ridge. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 320, 179-206.	3.9	6
2	Grain Size Variations Record Segregation of Residual Melts in Slow-Spreading Oceanic Crust (Atlantis Bank, Southwest Indian Ridge). <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020997.	3.4	15
3	Quantifying the Axial Magma Lens Dynamics at the Roof of Oceanic Magma Reservoirs (Dike/Gabbro). <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB021496.	3.4	7
4	Silicate melt inclusions in the new millennium: A review of recommended practices for preparation, analysis, and data presentation. <i>Chemical Geology</i> , 2021, 570, 120145.	3.3	40
5	Mantle metasomatic influence on water contents in continental lithosphere: New constraints from garnet pyroxenite xenoliths (France & Cameroon volcanic provinces). <i>Chemical Geology</i> , 2021, 575, 120257.	3.3	4
6	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). <i>Tectonophysics</i> , 2021, 815, 229001.	2.2	14
7	Magma-Mush Interactions in the Lower Oceanic Crust: Insights From Atlantis Bank Layered Series (Southwest Indian Ridge). <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022331.	3.4	11
8	Kinetic partitioning of major-minor cations between olivine and Hawaiian tholeiitic basalt under variable undercooling and cooling rate conditions. <i>Chemical Geology</i> , 2021, 584, 120485.	3.3	9
9	Early carbonatite magmatism at Oldoinyo Lengai volcano (Tanzania): carbonatite-silicate melt immiscibility in Lengai I melt inclusions. <i>Comptes Rendus - Geoscience</i> , 2021, 353, 273-288.	1.2	3
10	Can destabilization rims of hydrous minerals be used to constrain magma ascent kinetics at lava dome volcanoes?. <i>Bulletin of Volcanology</i> , 2020, 82, 1.	3.0	4
11	Magma Reservoir Formation and Evolution at a Slow-Spreading Center (Atlantis Bank, Southwest Indian Ridge). <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB021496.	3.4	7
12	No evidence for carbon enrichment in the mantle source of carbonatites in eastern Africa. <i>Geology</i> , 2020, 48, 971-975.	4.4	7
13	Trace element partitioning between clinopyroxene and alkaline magmas: parametrization and role of M1 site on HREE enrichment in clinopyroxenes. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	3.1	16
14	Dynamic Accretion Beneath a Slow-Spreading Ridge Segment: IODP Hole 1473A and the Atlantis Bank Oceanic Core Complex. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12631-12659.	3.4	53
15	Trace element partitioning between wollastonite and alkaline silicate magmas. <i>Chemical Geology</i> , 2019, 523, 88-94.	3.3	5
16	Differential Fractionation of Rhyolites During the Course of Crustal Extension, Western Afar (Ethiopian Rift). <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 571-593.	2.5	12
17	Metasomatism in the sub-continental lithospheric mantle beneath the south French Massif Central: Constraints from trace elements, Li and H in peridotite minerals. <i>Chemical Geology</i> , 2018, 478, 2-17.	3.3	12
18	Tracing helium isotope compositions from mantle source to fumaroles at Oldoinyo Lengai volcano, Tanzania. <i>Chemical Geology</i> , 2018, 480, 66-74.	3.3	18

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19	Occurrence of Felsic Rocks in Oceanic Gabbros from IODP Hole U1473A: Implications for Evolved Melt Migration in the Lower Oceanic Crust. <i>Minerals</i> (Basel, Switzerland), 2018, 8, 583.	2.0	39
20	Trace elements in anatectic products at the roof of mid-ocean ridge magma chambers: An experimental study. <i>Chemical Geology</i> , 2017, 456, 43-57.	3.3	10
21	Volatiles (CO ₂ , 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. <i>Chemical Geology</i> , 2017, 459, 43-60.	3.3	16
22	Felsic Plutonic Rocks from IODP Hole 1256D, Eastern Pacific: Implications for the Nature of the Axial Melt Lens at Fast-Spreading Mid-Ocean Ridges. <i>Journal of Petrology</i> , 2017, 58, 1535-1565.	2.8	20
23	Trace element evidence for anatexis at oceanic magma chamber roofs and the role of partial melts for contamination of fresh MORB. <i>Lithos</i> , 2016, 260, 1-8.	1.4	18
24	Magmatic cycles pace tectonic and morphological expression of rifting (Afar depression, Ethiopia). <i>Earth and Planetary Science Letters</i> , 2016, 446, 77-88.	4.4	22
25	Multi-stage metasomatism revealed by trace element and Li isotope distributions in minerals of peridotite xenoliths from All'gre volcano (French Massif Central). <i>Lithos</i> , 2016, 264, 158-174.	1.4	15
26	Oxygen isotopes reveal crustal contamination and a large, still partially molten magma chamber in ChaA®ne des Puys (French Massif Central). <i>Lithos</i> , 2016, 260, 328-338.	1.4	15
27	Syn- to post-orogenic exhumation of metamorphic nappes: Structure and thermobarometry of the western Attic-Cycladic metamorphic complex (Lavriion, Greece). <i>Journal of Geodynamics</i> , 2016, 96, 174-193.	1.6	52
28	Mantle refertilization and magmatism in old orogenic regions: The role of late-orogenic pyroxenites. <i>Lithos</i> , 2015, 232, 49-75.	1.4	24
29	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. <i>Earth and Planetary Science Letters</i> , 2015, 409, 278-289.	4.4	17
30	Analogues of exhumed pyroxenite layers in the Alboran domain sampled as xenoliths by Middle Atlas Cenozoic volcanism. <i>Lithos</i> , 2015, 230, 184-188.	1.4	3
31	Anatexis at the roof of an oceanic magma chamber at IODP Site 1256 (equatorial Pacific): an experimental study. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.	3.1	29
32	Contamination of MORB by anatexis of magma chamber roof rocks: Constraints from a geochemical study of experimental melts and associated residues. <i>Lithos</i> , 2014, 202-203, 120-137.	1.4	35
33	Controls on magmatic cycles and development of rift topography of the Manda Hararo segment (Afar,) Tj ETQq1 1 0.784314 rgBT /Over Science Letters, 2013, 367, 133-145.	4.4	24
34	Hydrous magmatism triggered by assimilation of hydrothermally altered rocks in fossil oceanic crust (northern Oman ophiolite). <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 2598-2614.	2.5	29
35	Ferric iron and water incorporation in wadsleyite under hydrous and oxidizing conditions: A XANES, Mossbauer, and SIMS study. <i>American Mineralogist</i> , 2012, 97, 1483-1493.	1.9	24
36	Behavior of fluid-mobile elements in serpentines from abyssal to subduction environments: Examples from Cuba and Dominican Republic. <i>Chemical Geology</i> , 2012, 312-313, 93-117.	3.3	94

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37	IODP Expedition 335: Deep Sampling in ODP Hole 1256D. Scientific Drilling, 2012, , .	0.6	2
38	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
39	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
40	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
41	MetaRep, an extended CMAS 3D program to visualize mafic (CMAS, ACF-S, ACF-N) and pelitic (AFM-K,) Tj ETQq1 1 0.784314 ggBT /Over	4.2	7
42	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
43	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
44	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
45	Root zone of the sheeted dike complex in the Oman ophiolite. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	53
46	Site U1473. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	20
47	Hole U1473A remediation operations, Expedition 362T. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	6