Georges Ceuleneer

List of Publications by Year
in descending order

49 papers	2,123 citations	27 h-index (201674)	45 g-index (233421)
49 all docs	49 docs citations	49 times ranked	1665 citing authors

#	Article	IF	Citations
1	Sub-axial deformation in oceanic lower crust: Insights from seismic reflection profiles in the Enderby Basin and comparison with the Oman ophiolite. Earth and Planetary Science Letters, 2021, 554, 116698.	4.4	10
2	The Chicken and Egg Dilemma Linking Dunites and Chromitites in the Mantleâ€"Crust Transition Zone beneath Oceanic Spreading Centres: a Case Study of Chromite-hosted Silicate Inclusions in Dunites Formed at the Top of a Mantle Diapir (Oman Ophiolite). Journal of Petrology, 2021, 62, .	2.8	7
3	The Origin of Felsic Intrusions Within the Mantle Section of the Samail Ophiolite: Geochemical Evidence for Three Distinct Mixing and Fractionation Trends. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020760.	3.4	14
4	The microstructure of layered ultramafic cumulates: Case study of the Bear Creek intrusion, Trinity ophiolite, California, USA. Lithos, 2021, 388-389, 106047.	1.4	3
5	Hydrated Peridotite â€" Basaltic Melt Interaction Part I: Planetary Felsic Crust Formation at Shallow Depth. Frontiers in Earth Science, 2021, 9, .	1.8	7
6	Experimental diopsidite: Implications for natural diopsidite genesis through fluid-melt-mantle peridotite reaction. Mineralogy and Petrology, 2021, 115, 489-495.	1.1	1
7	Tracing Carbonate Formation, Serpentinization, and Biological Materials With Microâ€/Mesoâ€Scale Infrared Imaging Spectroscopy in a Mars Analog System, Samail Ophiolite, Oman. Earth and Space Science, 2021, 8, e2021EA001637.	2.6	3
8	Ocean crust accretion along a high-temperature detachment fault in the Oman ophiolite: A structural and petrological study of the Bahla massif. Tectonophysics, 2021, , 229160.	2.2	3
9	Reworking of old continental lithosphere: Unradiogenic Os and decoupled Hf Nd isotopes in sub-arc mantle pyroxenites. Lithos, 2020, 354-355, 105346.	1.4	9
10	The distinctive peridotite of Taww, Northern flank of Jabal Nakhl, Oman. Lithos, 2020, 376-377, 105758.	1.4	0
11	Hydrated Peridotiteâ€"Basaltic Melt Interaction Part II: Fast Assimilation of Serpentinized Mantle by Basaltic Magma. Frontiers in Earth Science, 2020, 8, .	1.8	6
12	Multi-scale development of a stratiform chromite ore body at the base of the dunitic mantle-crust transition zone (Maqsad diapir, Oman ophiolite): The role of repeated melt and fluid influxes. Lithos, 2019, 350-351, 105235.	1.4	11
13	Melt hybridization and metasomatism triggered by syn-magmatic faults within the Oman ophiolite: A clue to understand the genesis of the dunitic mantle-crust transition zone. Earth and Planetary Science Letters, 2019, 516, 108-121.	4.4	18
14	The Eastern Makran Ophiolite (SE Iran): evidence for a Late Cretaceous fore-arc oceanic crust. International Geology Review, 2019, 61, 1313-1339.	2.1	26
15	Extreme geochemical variability through the dunitic transition zone of the Oman ophiolite: Implications for melt/fluid-rock reactions at Moho level beneath oceanic spreading centers. Geochimica Et Cosmochimica Acta, 2018, 234, 1-23.	3.9	39
16	Anatomy of a chromitite dyke in the mantle/crust transition zone of the Oman ophiolite. Lithos, 2018, 312-313, 343-357.	1.4	16
17	Deformation of mantle pyroxenites provides clues to geodynamic processes in subduction zones: Case study of the Cabo Ortegal Complex, Spain. Earth and Planetary Science Letters, 2017, 472, 174-185.	4.4	24
18	Origin of the dunitic mantle-crust transition zone in the Oman ophiolite: The interplay between percolating magmas and high-temperature hydrous fluids. Geology, 2017, 45, 471-474.	4.4	42

#	ARTICLE	IF	CITATIONS
19	Sources and timing of pyroxenite formation in the sub-arc mantle: Case study of the Cabo Ortegal Complex, Spain. Earth and Planetary Science Letters, 2017, 474, 490-502.	4.4	25
20	Travertines Associated With Hyperalkaline Springs: Evaluation As A Proxy For Paleoenvironmental Conditions And Sequestration of Atmospheric CO ₂. Journal of Sedimentary Research, 2016, 86, 1328-1343.	1.6	13
21	Primitive Arc Magmatism and Delamination: Petrology and Geochemistry of Pyroxenites from the Cabo Ortegal Complex, Spain. Journal of Petrology, 2016, 57, 1921-1954.	2.8	46
22	Igneous Layering in Basaltic Magma Chambers. Springer Geology, 2015, , 75-152.	0.3	49
23	Primitive layered gabbros from fast-spreading lower oceanic crust. Nature, 2014, 505, 204-207.	27.8	125
24	A systematic mapping procedure based on the Modified Gaussian Model to characterize magmatic units from olivine/pyroxenes mixtures: Application to the Syrtis Major volcanic shield on Mars. Journal of Geophysical Research E: Planets, 2013, 118, 1632-1655.	3.6	33
25	Characterization of hyperalkaline fluids produced by lowâ€temperature serpentinization of mantle peridotites in the Oman and Ligurian ophiolites. Geochemistry, Geophysics, Geosystems, 2013, 14, 2496-2522.	2.5	104
26	Mineralogical assemblages forming at hyperalkaline warm springs hosted on ultramafic rocks: A case study of Oman and Ligurian ophiolites. Geochemistry, Geophysics, Geosystems, 2013, 14, 2474-2495.	2.5	58
27	The dunitic mantle-crust transition zone in the Oman ophiolite: Residue of melt-rock interaction, cumulates from high-MgO melts, or both?. Geology, 2013, 41, 67-70.	4.4	73
28	A New View on the Petrogenesis of the Oman Ophiolite Chromitites from Microanalyses of Chromite-hosted Inclusions. Journal of Petrology, 2012, 53, 2411-2440.	2.8	100
29	Thick sections of layered ultramafic cumulates in the Oman ophiolite revealed by an airborne hyperspectral survey: Petrogenesis and relationship to mantle diapirism. Lithos, 2010, 114, 265-281.	1.4	44
30	Seismic structure of an oceanic core complex at the Midâ€Atlantic Ridge, 22Â°19â€²N. Journal of Geophysical Research, 2010, 115, .	3.3	32
31	Chromian spinels in maficâ€“ultramafic mantle dykes: Evidence for a two-stage melt production during the evolution of the Oman ophiolite. Lithos, 2008, 106, 137-154.	1.4	49
32	The Trinity ophiolite (California): the strange association of fertile mantle peridotite with ultra-depleted crustal cumulates. Bulletin - Societie Geologique De France, 2008, 179, 503-518.	2.2	24
33	Oman diopsidites: a new lithology diagnostic of very high temperature hydrothermal circulation in mantle peridotite below oceanic spreading centres. Earth and Planetary Science Letters, 2007, 255, 289-305.	4.4	81
34	Trace element heterogeneity in hydrothermal diopside: evidence for Ti depletion and Sr-Eu-LREE enrichment during hydrothermal metamorphism of mantle harzburgite. Journal of Mineralogical and Petrological Sciences, 2007, 102, 143-149.	0.9	16
35	Mapping of an ophiolite complex by high-resolution visible-infrared spectrometry. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	22
36	The effect of sloped isotherms on melt migration in the shallow mantle: a physical and numerical model based on observations in the Oman ophiolite. Earth and Planetary Science Letters, 2005, 229, 231-246.	4.4	39

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37	Genesis of andesiticâ€“boninitic magmas at mid-ocean ridges by melting of hydrated peridotites: Geochemical evidence from DSDP Site 334 gabbronorites. Earth and Planetary Science Letters, 2005, 236, 632-653.	4.4	54
38	Nature and distribution of dykes and related melt migration structures in the mantle section of the Oman ophiolite. Geochemistry, Geophysics, Geosystems, 2003, 4, .	2.5	98
39	Compaction in a mantle mush with high melt concentrations and the generation of magma chambers. Earth and Planetary Science Letters, 2001, 188, 313-328.	4.4	55
40	The remelting of hydrothermally altered peridotite at mid-ocean ridges by intruding mantle diapirs. Nature, 1999, 402, 514-518.	27.8	96
41	Tectonic setting for the genesis of oceanic plagiogranites: evidence from a paleo-spreading structure in the Oman ophiolite. Earth and Planetary Science Letters, 1996, 139, 177-194.	4.4	86
42	Trace element and isotopic characterization of mafic cumulates in a fossil mantle diapir (Oman) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	3.3	108
43	Thermal structure of a fossil mantle diapir inferred from the distribution of mafic cumulates. Nature, 1996, 379, 149-153.	27.8	62
44	Characteristics and evolution of the segmentation of the Mid-Atlantic Ridge between 20Â°N and 24Â°N during the last 10 million years. Earth and Planetary Science Letters, 1995, 129, 55-71.	4.4	125
45	Chromite crystallization in a multicellular magma flow: Evidence from a chromitite dike in the Oman ophiolite. Lithos, 1991, 27, 231-257.	1.4	103
46	Three-dimensional models of mantle flow across a low-viscosity zone: implications for hotspot dynamics. Earth and Planetary Science Letters, 1990, 99, 170-184.	4.4	31
47	Viscosity and thickness of the sub-lithospheric low-viscosity zone: constraints from geoid and depth over oceanic swells. Earth and Planetary Science Letters, 1988, 89, 84-102.	4.4	42
48	Geoid and depth anomalies over ocean swells and troughs: Evidence of an increasing trend of the geoid to depth ratio with age of plate. Journal of Geophysical Research, 1988, 93, 8064-8077.	3.3	62
49	Mantle Flow and Melt Migration Beneath Oceanic Ridges: Models Derived from Observations in Ophiolites. Geophysical Monograph Series, 0, , 123-154.	0.1	29