

Herve Bertrand

List of Publications by Year in descending order

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63
papers

4,924
citations

81434

41
h-index

116156

66
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66
all docs

66
docs citations

66
times ranked

3238
citing authors

#	ARTICLE	IF	CITATIONS
1	Cratonic keels controlled the emplacement of the Central Atlantic Magmatic Province (CAMP). <i>Earth and Planetary Science Letters</i> , 2022, 584, 117480.	1.8	6
2	Calcium isotopic evidence for the mantle sources of carbonatites. <i>Science Advances</i> , 2020, 6, eaba3269.	4.7	48
3	Comment on "The Mesozoic Margin of the Maghrebian Tethys in the Rif Belt (Morocco): Evidence for Polyphase Rifting and Related Magmatic Activity" by Gimeno et al.. <i>Tectonics</i> , 2020, 39, e2019TC006004.	1.3	12
4	Physical volcanology and emplacement mechanism of the Central Atlantic Magmatic Province (CAMP) lava flows from the Central High Atlas, Morocco. <i>Comptes Rendus - Geoscience</i> , 2020, 352, 455-473.	0.4	1
5	The Central Atlantic Magmatic Province (CAMP) in Morocco. <i>Journal of Petrology</i> , 2019, 60, 945-996.	1.1	68
6	New biostratigraphic constraints show rapid emplacement of the Central Atlantic Magmatic Province (CAMP) during the end-Triassic mass extinction interval. <i>Global and Planetary Change</i> , 2019, 172, 60-68.	1.6	34
7	The Central Atlantic Magmatic Province (CAMP): A Review. <i>Topics in Geobiology</i> , 2018, , 91-125.	0.6	103
8	End-Triassic mass extinction started by intrusive CAMP activity. <i>Nature Communications</i> , 2017, 8, 15596.	5.8	211
9	Geochemical Constraints Provided by the Freetown Layered Complex (Sierra Leone) on the Origin of High-Ti Tholeiitic CAMP Magmas. <i>Journal of Petrology</i> , 2017, 58, 1811-1840.	1.1	39
10	Temporal magma source changes at Gaua volcano, Vanuatu island arc. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 322, 30-47.	0.8	16
11	Mantle refertilization and magmatism in old orogenic regions: The role of late-orogenic pyroxenites. <i>Lithos</i> , 2015, 232, 49-75.	0.6	24
12	Microanalyses link sulfur from large igneous provinces and Mesozoic mass extinctions. <i>Geology</i> , 2014, 42, 895-898.	2.0	63
13	Sr, Nd, Pb and Os Isotope Systematics of CAMP Tholeiites from Eastern North America (ENA): Evidence of a Subduction-enriched Mantle Source. <i>Journal of Petrology</i> , 2014, 55, 133-180.	1.1	69
14	Enriched mantle source for the Central Atlantic magmatic province: New supporting evidence from southwestern Europe. <i>Lithos</i> , 2014, 188, 15-32.	0.6	61
15	The dawn of CAMP volcanism and its bearing on the end-Triassic carbon cycle disruption. <i>Journal of the Geological Society</i> , 2014, 171, 153-164.	0.9	77
16	The Central Atlantic Magmatic Province extends into Bolivia. <i>Lithos</i> , 2014, 188, 33-43.	0.6	40
17	Dykes of the 1.11Ga Umkondo LIP, Southern Africa: Clues to a complex plumbing system. <i>Precambrian Research</i> , 2014, 249, 129-143.	1.2	60
18	The 1750Ma Magmatic Event of the West African Craton (Anti-Atlas, Morocco). <i>Precambrian Research</i> , 2013, 236, 106-123.	1.2	102

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19	Upper and lower crust recycling in the source of CAMP basaltic dykes from southeastern North America. <i>Earth and Planetary Science Letters</i> , 2013, 376, 186-199.	1.8	66
20	Temporal source evolution and crustal contamination at Lopevi Volcano, Vanuatu Island Arc. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 264, 72-84.	0.8	11
21	Uâ€Pb baddeleyite and zircon ages of 2040Ma, 1650Ma and 885Ma on dolerites in the West African Craton (Anti-Atlas inliers): Possible links to break-up of Precambrian supercontinents. <i>Lithos</i> , 2013, 174, 71-84.	0.6	78
22	40Ar/39Ar ages and Srâ€Ndâ€Pbâ€Os geochemistry of CAMP tholeiites from Western MaranhÃ£o basin (NE Tj ETQq0 0 0 rgBT /Ove	0.6	108
23	Timing and duration of the Central Atlantic magmatic province in the Newark and Culpeper basins, eastern U.S.A.. <i>Lithos</i> , 2011, 122, 175-188.	0.6	132
24	Morphology, internal architecture and emplacement mechanisms of lava flows from the Central Atlantic Magmatic Province (CAMP) of Argana Basin (Morocco). <i>Geological Society Special Publication</i> , 2011, 357, 167-193.	0.8	25
25	Geochemistry of the Central Atlantic Magmatic Province (CAMP) in south-western Algeria. <i>Journal of African Earth Sciences</i> , 2010, 58, 211-219.	0.9	35
26	Lithospheric mantle evolution monitored by overlapping large igneous provinces: Case study in southern Africa. <i>Lithos</i> , 2009, 107, 257-268.	0.6	50
27	40Ar/39Ar ages of CAMP in North America: Implications for the Triassicâ€Jurassic boundary and the 40K decay constant bias. <i>Lithos</i> , 2009, 110, 167-180.	0.6	100
28	Global warming of the mantle beneath continents back to the Archaean. <i>Gondwana Research</i> , 2009, 15, 254-266.	3.0	140
29	Latest Triassic onset of the Central Atlantic Magmatic Province (CAMP) volcanism in the Fundy Basin (Nova Scotia): New stratigraphic constraints. <i>Earth and Planetary Science Letters</i> , 2009, 286, 514-525.	1.8	97
30	Magma flow revealed by magnetic fabric in the Okavango giant dyke swarm, Karoo igneous province, northern Botswana. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 170, 247-261.	0.8	40
31	Comment on â€Synchrony between the Central Atlantic magmatic province and the Triassicâ€Jurassic mass-extinction event? By Whiteside et al. (2007)â€; <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 262, 189-193.	1.0	22
32	The Karoo large igneous province: Brevity, origin, and relation with mass extinction questioned by new 40Ar/39Ar age data: REPLY: REPLY. <i>Geology</i> , 2007, 35, e128-e129.	2.0	3
33	40Ar/39Ar ages and duration of the Central Atlantic Magmatic Province volcanism in Morocco and Portugal and its relation to the Triassicâ€Jurassic boundary. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 244, 308-325.	1.0	171
34	La province magmatique de lâ€™Atlantique central dans le bassin des Ksour (Atlas saharien, AlgÃ©rie). <i>Comptes Rendus - Geoscience</i> , 2007, 339, 24-30.	0.4	16
35	Identification gÃ©ochimique de la province magmatique de lâ€™Atlantique central en domaine plissÃ©: exemple du Moyen Atlas marocain. <i>Comptes Rendus - Geoscience</i> , 2007, 339, 545-552.	0.4	18
36	Global warming of the mantle at the origin of flood basalts over supercontinents. <i>Geology</i> , 2007, 35, 391.	2.0	210

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37	Basement control on dyke distribution in Large Igneous Provinces: Case study of the Karoo triple junction. <i>Earth and Planetary Science Letters</i> , 2006, 241, 307-322.	1.8	106
38	Geochemistry and Sr, Nd, Pb isotopic composition of the Central Atlantic Magmatic Province (CAMP) in Guyana and Guinea. <i>Lithos</i> , 2005, 82, 289-314.	0.6	129
39	The Okavango giant mafic dyke swarm (NE Botswana): its structural significance within the Karoo Large Igneous Province. <i>Journal of Structural Geology</i> , 2005, 27, 2234-2255.	1.0	67
40	Karoo large igneous province: Brevity, origin, and relation to mass extinction questioned by new $^{40}\text{Ar}/^{39}\text{Ar}$ age data. <i>Geology</i> , 2005, 33, 745.	2.0	207
41	The farthest record of the Central Atlantic Magmatic Province into West Africa craton: Precise Ar/Ar dating and geochemistry of Taoudenni basin intrusives (northern Mali). <i>Earth and Planetary Science Letters</i> , 2005, 235, 391-407.	1.8	84
42	Synchrony of the Central Atlantic magmatic province and the Triassic-Jurassic boundary climatic and biotic crisis. <i>Geology</i> , 2004, 32, 973.	2.0	300
43	The South Ladakh ophiolites (NW Himalaya, India): an intra-oceanic tholeiitic arc origin with implication for the closure of the Neo-Tethys. <i>Chemical Geology</i> , 2004, 203, 273-303.	1.4	139
44	Commentaire à la note de Christian Desreumaux et al. intitulée "Découverte de turbidites du Crétacé supérieur métamorphisées au contact d'intrusions d'ophites dans les Pyrénées occidentales (vallée de l'Étiennette)". <i>Journal of Petrology</i> , 2004, 45, 336, 171-172.	0.4	1
45	The Karoo triple junction questioned: evidence from Jurassic and Proterozoic $^{40}\text{Ar}/^{39}\text{Ar}$ ages and geochemistry of the giant Okavango dyke swarm (Botswana). <i>Earth and Planetary Science Letters</i> , 2004, 222, 989-1006.	1.8	115
46	The Central Atlantic Magmatic Province at the Triassic-Jurassic boundary: paleomagnetic and $^{40}\text{Ar}/^{39}\text{Ar}$ evidence from Morocco for brief, episodic volcanism. <i>Earth and Planetary Science Letters</i> , 2004, 228, 143-160.	1.8	205
47	Implications of widespread high- $\hat{1}/4$ volcanism on the Arabian Plate for Afar mantle plume and lithosphere composition. <i>Chemical Geology</i> , 2003, 198, 47-61.	1.4	94
48	$^{40}\text{Ar}/^{39}\text{Ar}$ geochronology and structural data from the giant Okavango and related mafic dyke swarms, Karoo igneous province, northern Botswana. <i>Earth and Planetary Science Letters</i> , 2002, 202, 595-606.	1.8	82
49	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of the Jurassic volcanic province of Patagonia: migrating magmatism related to Gondwana break-up and subduction. <i>Earth and Planetary Science Letters</i> , 1999, 172, 83-96.	1.8	145
50	New time constraints on dyke swarms related to the Paraná-Etendeka magmatic province, and subsequent South Atlantic opening, southeastern Brazil. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 80, 67-83.	0.8	75
51	Age of Jurassic continental tholeiites of French Guyana, Surinam and Guinea: Implications for the initial opening of the Central Atlantic Ocean. <i>Earth and Planetary Science Letters</i> , 1997, 150, 205-220.	1.8	122
52	chronology of tertiary magmatic activity in Southern Yemen during the early Red Sea-Aden rifting. <i>Journal of Volcanology and Geothermal Research</i> , 1995, 65, 265-279.	0.8	56
53	Genesis of silicic magmas during tertiary continental rifting in Yemen. <i>Lithos</i> , 1995, 36, 69-83.	0.6	60
54	The "Panvel Flexure" along the Western Indian continental margin: an extensional fault structure related to Deccan magmatism. <i>Tectonophysics</i> , 1995, 241, 165-178.	0.9	60

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55	Alkaline volcano of Paleocene age on the Southern Guinean Margin: Mapping, petrology, ^{40}Ar - ^{39}Ar laser probe dating, and implications for the evolution of the Eastern Equatorial Atlantic. <i>Marine Geology</i> , 1993, 114, 251-262.	0.9	15
56	$^{40}\text{Ar}/^{39}\text{Ar}$ dating and geochemistry of tholeiitic magmatism related to the early opening of the Central Atlantic rift. <i>Earth and Planetary Science Letters</i> , 1991, 104, 455-472.	1.8	147
57	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of alkaline and tholeiitic magmatism of Saudi Arabia related to the early Red Sea Rifting. <i>Earth and Planetary Science Letters</i> , 1991, 104, 473-487.	1.8	79
58	$^{40}\text{Ar}/^{39}\text{Ar}$ age and duration of tholeiitic magmatism related to the early opening of the Red Sea rift. <i>Geophysical Research Letters</i> , 1991, 18, 195-198.	1.5	43
59	Mapping of a segment of the Romanche Fracture Zone: A morphostructural analysis of a major transform fault of the equatorial Atlantic Ocean. <i>Geology</i> , 1991, 19, 795.	2.0	18
60	Volcanics from the Guinea Continental margin: geodynamic implications. <i>Journal of African Earth Sciences (and the Middle East)</i> , 1988, 7, 181-188.	0.2	4
61	Permian alkaline undersaturated and carbonatite province, and rifting along the West African craton. <i>Nature</i> , 1983, 305, 42-43.	13.7	39
62	Geochemistry of early mesozoic tholeiites from Morocco. <i>Earth and Planetary Science Letters</i> , 1982, 58, 225-239.	1.8	123
63	Geochemistry of tholeiites from North-East American margin; correlation with Morocco. <i>Contributions To Mineralogy and Petrology</i> , 1977, 63, 65-74.	1.2	20