Julie Carlut

List of Publications by Year
in descending order

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51 papers	1,900 citations	236925 25 h-index	254184 43 g-index
52 all docs	52 docs citations	52 times ranked	2007 citing authors

#	Article	IF	Citations
1	Drilling to Gabbro in Intact Ocean Crust. Science, 2006, 312, 1016-1020.	12.6	230
2	Continuous exhumation of mantle-derived rocks at the Southwest Indian Ridge for 11 million years. Nature Geoscience, 2013, 6, 314-320.	12.9	224
3	Serpentinization of oceanic peridotites: 2. Kinetics and processes of San Carlos olivine hydrothermal alteration. Journal of Geophysical Research, 2012, 117, .	3.3	128
4	How complex is the time-averaged geomagnetic field over the past 5â€ƒMyr?. Geophysical Journal International, 1998, 134, 527-544.	2.4	98
5	Evolution of Fe redox state in serpentine during subduction. Earth and Planetary Science Letters, 2014, 400, 206-218.	4.4	89
6	Paleomagnetic directions and K/Ar dating of 0 to 1 Ma lava flows from La Guadeloupe Island (French) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 835-849.	3.3	86
7	New paleomagnetic and geochronologic results from Ethiopian Afar: Block rotations linked to rift overlap and propagation and determination of a â^¼2 Ma reference pole for stable Africa. Journal of Geophysical Research, 2003, 108, .	3.3	67
8	Structure and development of an axial volcanic ridge: Mid-Atlantic Ridge, 45Â°N. Earth and Planetary Science Letters, 2010, 299, 228-241.	4.4	64
9	Serpentinization of oceanic peridotites: 1. A highâ€sensitivity method to monitor magnetite production in hydrothermal experiments. Journal of Geophysical Research, 2012, 117, .	3.3	57
10	Link between excursions and paleointensity inferred from abnormal field directions recorded at La Palma around 600 ka. Earth and Planetary Science Letters, 1999, 168, 233-242.	4.4	44
11	Magnetic signatures of serpentinization at ophiolite complexes. Geochemistry, Geophysics, Geosystems, 2016, 17, 2969-2986.	2.5	44
12	Quantitative constraint on footwall rotations at the 15Â°45â€²N oceanic core complex, Midâ€Atlantic Ridge: Implications for oceanic detachment fault processes. Geochemistry, Geophysics, Geosystems, 2011, 12, .	2.5	43
13	The age and duration of the Matuyamaâ€“Brunhes transition from new Kâ€“Ar data from La Palma (Canary) Tj ETQq1 1 0.784314 rgBT	4.4	42
14	Unusual massive magnetite veins and highly altered Cr-spinels as relics of a Cl-rich acidic hydrothermal event in Neoproterozoic serpentinites (Bou Azzer ophiolite, Anti-Atlas, Morocco). Precambrian Research, 2017, 300, 151-167.	2.7	40
15	Paleointensity record in zero-age submarine basalt glasses: testing a new dating technique for recent MORBs. Earth and Planetary Science Letters, 2000, 183, 389-401.	4.4	39
16	Paleomagnetic and geochronological identification of the RÃ©union subchron in Ethiopian Afar. Journal of Geophysical Research, 1999, 104, 10405-10419.	3.3	34
17	High-purity hydrogen gas from the reaction between BOF steel slag and water in the 473â€“673ÂK range. International Journal of Hydrogen Energy, 2013, 38, 7382-7393.	7.1	34
18	Paleomagnetic directions from mid-latitude sites in the southern hemisphere (Argentina): Contribution to time averaged field models. Physics of the Earth and Planetary Interiors, 2009, 172, 199-209.	1.9	33

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19	Grain-size-dependent paleointensity results from very recent mid-oceanic ridge basalts. Journal of Geophysical Research, 2002, 107, EPM 2-1.	3.3	32
20	Fossil black smoker yields oxygen isotopic composition of Neoproterozoic seawater. Nature Communications, 2018, 9, 1453.	12.8	32
21	Paleointensity across the RÃ©union event in Ethiopia. Earth and Planetary Science Letters, 1999, 170, 17-34.	4.4	31
22	Timing of volcanism along the northern East Pacific Rise based on paleointensity experiments on basaltic glasses. Journal of Geophysical Research, 2004, 109, .	3.3	30
23	Towards a self-consistent approach to palaeomagnetic field modelling. Geophysical Journal International, 2001, 145, 157-171.	2.4	29
24	Iron uptake and magnetite biomineralization in the magnetotactic bacterium Magnetospirillum magneticum strain AMB-1: An iron isotope study. Geochimica Et Cosmochimica Acta, 2018, 232, 225-243.	3.9	29
25	Absolute paleointensities recorded during the Brunhes chron at La Guadeloupe Island. Physics of the Earth and Planetary Interiors, 2000, 120, 255-269.	1.9	28
26	A selective procedure for absolute paleointensity in lava flows. Geophysical Research Letters, 2010, 37, .	4.0	22
27	Evolution of the geomagnetic field prior to the Matuyama-Brunhes transition: radiometric dating of a 820 ka excursion at La Palma. Geophysical Journal International, 2002, 151, F6-F10.	2.4	19
28	Deep-tow 3C magnetic measurement: Solutions for calibration and interpretation. Geophysics, 2013, 78, J15-J23.	2.6	19
29	Magnetic signature of large exhumed mantle domains of the Southwest Indian Ridge â€“ results from a deep-tow geophysical survey over 0 to 11 Ma old seafloor. Solid Earth, 2014, 5, 339-354.	2.8	19
30	Submarine Earthquake History of the Ã‡Ä±narcÄ±k Segment of the North Anatolian Fault in the Marmara Sea, Turkey. Bulletin of the Seismological Society of America, 2015, 105, 622-645.	2.3	19
31	A negative test of orbital control of geomagnetic reversals and excursions. Geophysical Research Letters, 2001, 28, 3561-3564.	4.0	17
32	Episodic dike swarms inferred from near-bottom magnetic anomaly maps at the southern East Pacific Rise. Journal of Geophysical Research, 2003, 108, .	3.3	16
33	End-Cretaceous akaganÃ©ite as a mineral marker of Deccan volcanism in the sedimentary record. Scientific Reports, 2017, 7, 11453.	3.3	15
34	Unraveling the magnetic carriers of igneous cores from the Atlantic, Pacific, and the southern Indian oceans with rock magnetic characterization. Physics of the Earth and Planetary Interiors, 2006, 156, 294-328.	1.9	14
35	Trace element variations in an archeological carbonate deposit from the antique city of Ostia: Environmental and archeological implications. Comptes Rendus - Geoscience, 2009, 341, 10-20.	1.2	14
36	Detrital magnetization of laboratory-redeposited sediments. Geophysical Journal International, 2017, 210, 34-41.	2.4	14

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37	Characterization of building materials from the aqueduct of Antioch-on-the-Orontes (Turkey). Comptes Rendus - Geoscience, 2015, 347, 170-180.	1.2	11
38	Acquisition of detrital magnetization in four turbidites. Geochemistry, Geophysics, Geosystems, 2016, 17, 3207-3223.	2.5	11
39	Impact of micro-organisms activity on the natural remanent magnetization of the young oceanic crust. Earth and Planetary Science Letters, 2007, 253, 497-506.	4.4	10
40	Palaeosecular variation recorded by 9 ka to 2.5-Ma-old lavas from Martinique Island: new evidence for the La Palma aborted reversal Â617 ka ago. Geophysical Journal International, 2015, 200, 915-932.	2.4	9
41	Paleomagnetic and geochemical record from cores from the Sea of Marmara, Turkey: Age constraints and implications of sapropelic deposition on early diagenesis. Marine Geology, 2015, 360, 40-54.	2.1	9
42	Paleosecular variation recorded by Quaternary lava flows from Guadeloupe Island. Scientific Reports, 2018, 8, 10147.	3.3	7
43	Roman Builders Facing the Risk of Disaster: Coupling Archaeological and Geochemical Analyses on a Section of the â€˜Aqua Augustaâ€™ (the Roman Serino Aqueduct, Southern Italy). Archaeometry, 2018, 60, 915-932.	1.3	7
44	Geochemical study of carbonate concretions from the aqueduct of NÃ®mes (southern France): a climatic record for the first centuries AD?. Scientific Reports, 2019, 9, 5209.	3.3	7
45	Microscopy study of biologically mediated alteration of natural midâ€oceanic ridge basalts and magnetic implications. Journal of Geophysical Research, 2010, 115, .	3.3	6
46	Regional chronostratigraphy in the eastern Lesser Antilles quaternary fore-arc and accretionary wedge sediments: Relative paleointensity, oxygen isotopes and reversals. Quaternary Geochronology, 2021, 65, 101179.	1.4	6
47	Low temperature magnetic properties of the Late Archean Boolgeeda iron formation (Hamersley) Tj ETQq1 1 0.784314 rgBT /Overloc	1.8	5
48	Timing of the Brunhes-Matuyama transition constrained by U-series disequilibrium. Scientific Reports, 2019, 9, 6039.	3.3	5
49	Volcanic Record of the Last Geomagnetic Reversal in a Lava Flow Sequence From the Azores. Frontiers in Earth Science, 2020, 8, .	1.8	5
50	Remagnetization of lava flows spanning the last geomagnetic reversal. Geophysical Journal International, 2017, 210, 1281-1293.	2.4	3
51	Magnetic structure of Basse-Terre volcanic island (Guadeloupe, Lesser Antilles) inferred from 3D inversion of aeromagnetic data. Journal of Volcanology and Geothermal Research, 2017, 348, 1-11.	2.1	1