

Julie Carlut

List of Publications by Year in descending order

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51
papers

1,900
citations

270111

25
h-index

299063

42
g-index

52
all docs

52
docs citations

52
times ranked

2244
citing authors

#	ARTICLE	IF	CITATIONS
1	Regional chronostratigraphy in the eastern Lesser Antilles quaternary fore-arc and accretionary wedge sediments: Relative paleointensity, oxygen isotopes and reversals. <i>Quaternary Geochronology</i> , 2021, 65, 101179.	0.6	6
2	Volcanic Record of the Last Geomagnetic Reversal in a Lava Flow Sequence From the Azores. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	5
3	Timing of the Brunhes-Matuyama transition constrained by U-series disequilibrium. <i>Scientific Reports</i> , 2019, 9, 6039.	1.6	5
4	Geochemical study of carbonate concretions from the aqueduct of Nîmes (southern France): a climatic record for the first centuries AD?. <i>Scientific Reports</i> , 2019, 9, 5209.	1.6	7
5	Fossil black smoker yields oxygen isotopic composition of Neoproterozoic seawater. <i>Nature Communications</i> , 2018, 9, 1453.	5.8	32
6	Iron uptake and magnetite biomineralization in the magnetotactic bacterium <i>Magnetospirillum magneticum</i> strain AMB-1: An iron isotope study. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 232, 225-243.	1.6	29
7	Paleosecular variation recorded by Quaternary lava flows from Guadeloupe Island. <i>Scientific Reports</i> , 2018, 8, 10147.	1.6	7
8	Roman Builders Facing the Risk of Disaster: Coupling Archaeological and Geochemical Analyses on a Section of the "Aqua Augusta" (the Roman Serino Aqueduct, Southern Italy). <i>Archaeometry</i> , 2018, 60, 915-932.	0.6	7
9	Detrital magnetization of laboratory-redeposited sediments. <i>Geophysical Journal International</i> , 2017, 210, 34-41.	1.0	14
10	Remagnetization of lava flows spanning the last geomagnetic reversal. <i>Geophysical Journal International</i> , 2017, 210, 1281-1293.	1.0	3
11	Magnetic structure of Basse-Terre volcanic island (Guadeloupe, Lesser Antilles) inferred from 3D inversion of aeromagnetic data. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 348, 1-11.	0.8	1
12	End-Cretaceous akaganite as a mineral marker of Deccan volcanism in the sedimentary record. <i>Scientific Reports</i> , 2017, 7, 11453.	1.6	15
13	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). <i>Precambrian Research</i> , 2017, 300, 151-167.	1.2	40
14	Magnetic signatures of serpentinization at ophiolite complexes. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2969-2986.	1.0	44
15	Acquisition of detrital magnetization in four turbidites. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3207-3223.	1.0	11
16	Low temperature magnetic properties of the Late Archean Boolgeeda iron formation (Hamersley) Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50 1	0.8	5
17	Submarine Earthquake History of the "narc" Segment of the North Anatolian Fault in the Marmara Sea, Turkey. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 622-645.	1.1	19
18	Characterization of building materials from the aqueduct of Antioch-on-the-Orontes (Turkey). <i>Comptes Rendus - Geoscience</i> , 2015, 347, 170-180.	0.4	11

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19	Palaeosecular variation recorded by 9 ka to 2.5-Ma-old lavas from Martinique Island: new evidence for the La Palma aborted reversal 17 ka ago. <i>Geophysical Journal International</i> , 2015, 200, 915-932.	1.0	9
20	Paleomagnetic and geochemical record from cores from the Sea of Marmara, Turkey: Age constraints and implications of sapropelic deposition on early diagenesis. <i>Marine Geology</i> , 2015, 360, 40-54.	0.9	9
21	Magnetic signature of large exhumed mantle domains of the Southwest Indian Ridge " results from a deep-tow geophysical survey over 0 to 11 Ma old seafloor. <i>Solid Earth</i> , 2014, 5, 339-354.	1.2	19
22	Evolution of Fe redox state in serpentine during subduction. <i>Earth and Planetary Science Letters</i> , 2014, 400, 206-218.	1.8	89
23	High-purity hydrogen gas from the reaction between BOF steel slag and water in the 473-673 K range. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 7382-7393.	3.8	34
24	Continuous exhumation of mantle-derived rocks at the Southwest Indian Ridge for 11 million years. <i>Nature Geoscience</i> , 2013, 6, 314-320.	5.4	224
25	Deep-tow 3C magnetic measurement: Solutions for calibration and interpretation. <i>Geophysics</i> , 2013, 78, J15-J23.	1.4	19
26	Serpentinization of oceanic peridotites: 1. A high-sensitivity method to monitor magnetite production in hydrothermal experiments. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	57
27	Serpentinization of oceanic peridotites: 2. Kinetics and processes of San Carlos olivine hydrothermal alteration. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	128
28	Quantitative constraint on footwall rotations at the 15°45'N oceanic core complex, Mid-Atlantic Ridge: Implications for oceanic detachment fault processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	1.0	43
29	Microscopy study of biologically mediated alteration of natural mid-oceanic ridge basalts and magnetic implications. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	6
30	A selective procedure for absolute paleointensity in lava flows. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	22
31	Structure and development of an axial volcanic ridge: Mid-Atlantic Ridge, 45°N. <i>Earth and Planetary Science Letters</i> , 2010, 299, 228-241.	1.8	64
32	Trace element variations in an archeological carbonate deposit from the antique city of Ostia: Environmental and archeological implications. <i>Comptes Rendus - Geoscience</i> , 2009, 341, 10-20.	0.4	14
33	Paleomagnetic directions from mid-latitude sites in the southern hemisphere (Argentina): Contribution to time averaged field models. <i>Physics of the Earth and Planetary Interiors</i> , 2009, 172, 199-209.	0.7	33
34	Impact of micro-organisms activity on the natural remanent magnetization of the young oceanic crust. <i>Earth and Planetary Science Letters</i> , 2007, 253, 497-506.	1.8	10
35	Unraveling the magnetic carriers of igneous cores from the Atlantic, Pacific, and the southern Indian oceans with rock magnetic characterization. <i>Physics of the Earth and Planetary Interiors</i> , 2006, 156, 294-328.	0.7	14
36	Drilling to Gabbro in Intact Ocean Crust. <i>Science</i> , 2006, 312, 1016-1020.	6.0	230

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37	Timing of volcanism along the northern East Pacific Rise based on paleointensity experiments on basaltic glasses. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	30
38	Episodic dike swarms inferred from near-bottom magnetic anomaly maps at the southern East Pacific Rise. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	16
39	New paleomagnetic and geochronologic results from Ethiopian Afar: Block rotations linked to rift overlap and propagation and determination of a ~ 142 Ma reference pole for stable Africa. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	67
40	The age and duration of the Matuyama-Brunhes transition from new K/Ar data from La Palma (Canary) Tj ETQq0 0 0 rgBT /Overlock	1.8	42
41	Grain-size-dependent paleointensity results from very recent mid-oceanic ridge basalts. <i>Journal of Geophysical Research</i> , 2002, 107, EPM 2-1.	3.3	32
42	Evolution of the geomagnetic field prior to the Matuyama-Brunhes transition: radiometric dating of a 820 ka excursion at La Palma. <i>Geophysical Journal International</i> , 2002, 151, F6-F10.	1.0	19
43	A negative test of orbital control of geomagnetic reversals and excursions. <i>Geophysical Research Letters</i> , 2001, 28, 3561-3564.	1.5	17
44	Towards a self-consistent approach to palaeomagnetic field modelling. <i>Geophysical Journal International</i> , 2001, 145, 157-171.	1.0	29
45	Absolute paleointensities recorded during the Brunhes chron at La Guadeloupe Island. <i>Physics of the Earth and Planetary Interiors</i> , 2000, 120, 255-269.	0.7	28
46	Paleointensity record in zero-age submarine basalt glasses: testing a new dating technique for recent MORBs. <i>Earth and Planetary Science Letters</i> , 2000, 183, 389-401.	1.8	39
47	Paleomagnetic directions and K/Ar dating of 0 to 1 Ma lava flows from La Guadeloupe Island (French) Tj ETQq1 1 0.784314 rgBT /Overlo 835-849.	3.3	86
48	Link between excursions and paleointensity inferred from abnormal field directions recorded at La Palma around 600 ka. <i>Earth and Planetary Science Letters</i> , 1999, 168, 233-242.	1.8	44
49	Paleointensity across the Réunion event in Ethiopia. <i>Earth and Planetary Science Letters</i> , 1999, 170, 17-34.	1.8	31
50	Paleomagnetic and geochronological identification of the Réunion subchron in Ethiopian Afar. <i>Journal of Geophysical Research</i> , 1999, 104, 10405-10419.	3.3	34
51	How complex is the time-averaged geomagnetic field over the past 5 Myr?. <i>Geophysical Journal International</i> , 1998, 134, 527-544.	1.0	98