

# Juan Cruz LarrasoA±a

## List of Publications by Year in descending order

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63  
papers

3,547  
citations

147566

31  
h-index

133063

59  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3929  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental magnetism: Principles and applications. <i>Reviews of Geophysics</i> , 2012, 50, .	9.0	491
2	Three million years of monsoon variability over the northern Sahara. <i>Climate Dynamics</i> , 2003, 21, 689-698.	1.7	324
3	Trends, rhythms and events in Plio-Pleistocene African climate. <i>Quaternary Science Reviews</i> , 2009, 28, 399-411.	1.4	289
4	Dynamics of Green Sahara Periods and Their Role in Hominin Evolution. <i>PLoS ONE</i> , 2013, 8, e76514.	1.1	200
5	What do the HIRM and $S_{100}/S_{300}$ ratio really measure in environmental magnetism?. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, .	1.0	173
6	Magnetotactic bacterial abundance in pelagic marine environments is limited by organic carbon flux and availability of dissolved iron. <i>Earth and Planetary Science Letters</i> , 2011, 310, 441-452.	1.8	150
7	Diagenetic formation of greigite and pyrrhotite in gas hydrate marine sedimentary systems. <i>Earth and Planetary Science Letters</i> , 2007, 261, 350-366.	1.8	148
8	Searching for single domain magnetite in the "pseudo-single-domain" sedimentary haystack: Implications of biogenic magnetite preservation for sediment magnetism and relative paleointensity determinations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	143
9	A new proxy for bottom-water ventilation in the eastern Mediterranean based on diagenetically controlled magnetic properties of sapropel-bearing sediments. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003, 190, 221-242.	1.0	87
10	Magnetic properties of pelagic marine carbonates. <i>Earth-Science Reviews</i> , 2013, 127, 111-139.	4.0	84
11	The Global Stratotype Section and Point (GSSP) for the base of the Lutetian Stage at the Gorrondatxe section, Spain. <i>Episodes</i> , 2011, 34, 86-108.	0.8	69
12	Magnetotactic bacterial response to Antarctic dust supply during the Palaeocene-Eocene thermal maximum. <i>Earth and Planetary Science Letters</i> , 2012, 333-334, 122-133.	1.8	67
13	Paleomagnetic, structural, and stratigraphic constraints on transverse fault kinematics during basin inversion: The Pamplona Fault (Pyrenees, north Spain). <i>Tectonics</i> , 2003, 22, n/a-n/a.	1.3	66
14	Reliability of magnetic fabric of weakly deformed mudrocks as a palaeostress indicator in compressive settings. <i>Journal of Structural Geology</i> , 2009, 31, 512-522.	1.0	65
15	Magnetobiochronology of Lower Miocene (Ramblan) continental sediments from the Tudela Formation (western Ebro basin, Spain). <i>Earth and Planetary Science Letters</i> , 2006, 243, 409-423.	1.8	61
16	Disentangling magnetic subfabrics and their link to deformation processes in cleaved sedimentary rocks from the Internal Sierras (west central Pyrenees, Spain). <i>Journal of Structural Geology</i> , 2009, 31, 163-176.	1.0	61
17	Inter-laboratory calibration of low-field magnetic and anhysteretic susceptibility measurements. <i>Physics of the Earth and Planetary Interiors</i> , 2003, 138, 25-38.	0.7	60
18	Complex polarity pattern at the former Plio-Pleistocene global stratotype section at Vrica (Italy): Remagnetization by magnetic iron sulphides. <i>Earth and Planetary Science Letters</i> , 2010, 292, 98-111.	1.8	55

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19	Giant magnetofossils and hyperthermal events. <i>Earth and Planetary Science Letters</i> , 2012, 351-352, 258-269.	1.8	54
20	Paleomagnetic and astronomical dating of sediment core BH08 from the Bohai Sea, China: Implications for glacial–interglacial sedimentation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 393, 90-101.	1.0	51
21	Closing and continentalization of the South Pyrenean foreland basin (NE Spain): magnetostratigraphical constraints. <i>Basin Research</i> , 2010, 22, 904-917.	1.3	48
22	Planktonic foraminiferal and calcareous nannofossil biostratigraphy and magnetostratigraphy of the uppermost Campanian and Maastrichtian at Zumaia, northern Spain. <i>Cretaceous Research</i> , 2012, 37, 100-126.	0.6	47
23	Rise of the base of the gas hydrate zone since the last glacial recorded by rock magnetism. <i>Geology</i> , 2006, 34, 117.	2.0	45
24	Magnetic susceptibility of eastern Mediterranean marine sediments as a proxy for Saharan dust supply?. <i>Marine Geology</i> , 2008, 254, 224-229.	0.9	44
25	Atmospheric dust variability from Arabia and China over the last 500,000 years. <i>Quaternary Science Reviews</i> , 2011, 30, 3537-3541.	1.4	44
26	Quantifying the post-tectonic topographic evolution of closed basins: The Ebro basin (northeast) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 4	2.0	42
27	Sedimentary architecture of the Bohai Sea China over the last 1 Ma and implications for sea-level changes. <i>Earth and Planetary Science Letters</i> , 2016, 451, 10-21.	1.8	40
28	Chronology and tectono-sedimentary evolution of the Upper Pliocene to Quaternary deposits of the lower Guadalquivir foreland basin, SW Spain. <i>Sedimentary Geology</i> , 2011, 241, 22-39.	1.0	35
29	Rapid locking of tectonic magnetic fabrics in weakly deformed mudrocks. <i>Tectonophysics</i> , 2011, 507, 16-25.	0.9	35
30	Integrated magnetobiochronology of the Early/Middle Eocene transition at Agost (Spain): Implications for defining the Ypresian/Lutetian boundary stratotype. <i>Lethaia</i> , 2008, 41, 395-415.	0.6	34
31	Triassic paleomagnetism from the Western Pyrenees revisited: implications for the Iberian–Eurasian Mesozoic plate boundary. <i>Tectonophysics</i> , 2003, 362, 161-182.	0.9	33
32	Mechanism for enhanced eolian dust flux recorded in North Pacific Ocean sediments since 4.0 Ma: Aridity or humidity at dust source areas in the Asian interior?. <i>Geology</i> , 2020, 48, 77-81.	2.0	32
33	An integrated AMS, structural, palaeo- and rock-magnetic study of Eocene marine marls from the Jaca-Pamplona basin (Pyrenees, N Spain); new insights into the timing of magnetic fabric acquisition in weakly deformed mudrocks. <i>Geological Society Special Publication</i> , 2004, 238, 127-143.	0.8	30
34	Detecting missing beats in the Mediterranean climate rhythm from magnetic identification of oxidized sapropels (Ocean Drilling Program Leg 160). <i>Physics of the Earth and Planetary Interiors</i> , 2006, 156, 283-293.	0.7	29
35	The First Occurrence in the Fossil Record of an Aquatic Avian Twig-Nest with Phoenicopteriformes Eggs: Evolutionary Implications. <i>PLoS ONE</i> , 2012, 7, e46972.	1.1	29
36	Magnetic reorientation induced by pressure solution: A potential mechanism for orogenic-scale remagnetizations. <i>Earth and Planetary Science Letters</i> , 2008, 265, 525-534.	1.8	26

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37	Paleomagnetic and paleoenvironmental implications of magnetofossil occurrences in late Miocene marine sediments from the Guadalquivir Basin, SW Spain. <i>Frontiers in Microbiology</i> , 2014, 5, 71.	1.5	26
38	Virtual Directions in Paleomagnetism: A Global and Rapid Approach to Evaluate the NRM Components. <i>Frontiers in Earth Science</i> , 2017, 5, .	0.8	19
39	Early Pliocene climatic optimum, cooling and early glaciation deduced by terrestrial and marine environmental changes in SW Spain. <i>Global and Planetary Change</i> , 2019, 180, 89-99.	1.6	19
40	New and revisited paleomagnetic data from Permianâ€“Triassic red beds: Two kinematic domains in the west-central Pyrenees. <i>Tectonophysics</i> , 2012, 522-523, 158-175.	0.9	18
41	A precursor to the Matuyama-Brunhes reversal in Chinese loess and its palaeomagnetic and stratigraphic significance. <i>Geophysical Journal International</i> , 2012, 190, 829-842.	1.0	17
42	Imprint of Messinian Salinity Crisis events on the Spanish Atlantic margin. <i>Newsletters on Stratigraphy</i> , 2018, 51, 93-115.	0.5	16
43	Palaeoenvironmental and palaeoseismic implications of a 3700-year sedimentary record from proglacial Lake Barrancs (Maladeta Massif, Central Pyrenees, Spain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 294, 83-93.	1.0	13
44	Gas hydrate disturbance fabrics of southern Hydrate Ridge sediments (ODP Leg 204): Relationship with texture and physical properties. <i>Geo-Marine Letters</i> , 2007, 27, 279-288.	0.5	12
45	Pleistocene climate fluctuations drove demographic history of African golden wolves ( <i>Canis lupaster</i> ). <i>Molecular Ecology</i> , 2021, 30, 6101-6120.	2.0	12
46	First paleomagnetic results of midâ€“to late Holocene sediments from Lake Issykâ€“Kul (Kyrgyzstan): Implications for paleosecular variation in central Asia. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	11
47	Earlyâ€“Middle Miocene subtle compressional deformation in the Ebro foreland basin (northern Spain); insights from magnetic fabrics. <i>Comptes Rendus - Geoscience</i> , 2016, 348, 213-223.	0.4	10
48	Phenomenology and geographical gradients of atmospheric deposition in southwestern Europe: Results from a multi-site monitoring network. <i>Science of the Total Environment</i> , 2020, 744, 140745.	3.9	10
49	Multi-aged social behaviour based on artiodactyl tracks in an early Miocene palustrine wetland (Ebro) Tj ETQq1 1 0.784314 rgBT /Ove	1.6	10
50	New constraints on climate forcing and variability in the circum-Mediterranean region from magnetic and geochemical observations of sapropels S1, S5 and S6. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 333-334, 1-12.	1.0	8
51	Late Pleistocene to Holocene palaeoenvironmental variability in the north-west Spanish mountains: insights from a source-to-sink environmental magnetic study of Lake Sanabria. <i>Journal of Quaternary Science</i> , 2015, 30, 222-234.	1.1	7
52	Alpine Foreland Basins. <i>Regional Geology Reviews</i> , 2019, , 7-59.	1.2	7
53	The chert from the Castellallat Formation (south-central Pyrenees): archaeometric characterisation and archaeological implications. <i>Archaeological and Anthropological Sciences</i> , 2018, 10, 1329-1346.	0.7	7
54	Environmental magnetic fingerprinting of anthropogenic and natural atmospheric deposition over southwestern Europe. <i>Atmospheric Environment</i> , 2021, 261, 118568.	1.9	6

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55	A New Species of Glirid Rodent <i>Vasseuromys</i> from the Aragonian (Miocene) of the Ebro Basin (North-Eastern Spain). <i>Acta Palaeontologica Polonica</i> , 2012, 57, 225-239.	0.4	6
56	A review of West African monsoon penetration during Green Sahara periods; implications for human evolution and dispersals over the last three million years. <i>Oxford Open Climate Change</i> , 2021, 1, .	0.6	6
57	Magnetic Properties of Cherts from the Basque-Cantabrian Basin and Surrounding Regions: Archeological Implications. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	5
58	Magnetobiochronology of Lower Pliocene marine sediments from the lower Guadalquivir Basin: Insights into the tectonic evolution of the Strait of Gibraltar area. <i>Bulletin of the Geological Society of America</i> , 0, , .	1.6	4
59	Assessment of magnetite as a magnetic tracer for sediments in the study of ephemeral gully erosion: Conditioning factors of magnetic susceptibility. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 1103-1110.	1.2	4
60	Magnetostratigraphy and Paleoenvironments of the Kuntilla Lake Sediments, Southern Israel: Implications for Late Cenozoic Climate Variability at the Northern Fringe of the Saharo-Arabian Desert Belt. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	2
61	Assessment of magnetite as a sediment tracer in the study of ephemeral gully erosion: Application and distribution in the soil. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 1419-1427.	1.2	1
62	Hypsodont Myomiminae (Gliridae, Rodentia) from five new localities in the Lower Miocene Tudela Formation (Bardenas Reales, Ebro Basin, Spain) and their bearing on the age of the Agenian-Ramblian boundary. <i>Geodiversitas</i> , 2012, 34, 645-663.	0.2	0
63	Asociaciones de Ostrácodos del Mioceno Temprano "Medio de Loma Negra (Bardenas Reales de) Tj ETQq1 1 0.784314 rgBT /Overl	0.3	0