

Gary D Acton

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

1,972
citations

25
h-index

43
g-index

62
ext. papers

2,223
ext. citations

5.7
avg, IF

4.03
L-index

#	Paper	IF	Citations
58	A Cenozoic record of the equatorial Pacific carbonate compensation depth. <i>Nature</i> , 2012 , 488, 609-14	50.4	241
57	Drilling to gabbro in intact ocean crust. <i>Science</i> , 2006 , 312, 1016-20	33.3	181
56	Paleoceanography. Onset of Mediterranean outflow into the North Atlantic. <i>Science</i> , 2014 , 344, 1244-50	33.3	119
55	A summary of Brunhes paleomagnetic field variability recorded in Ocean Drilling Program cores. <i>Physics of the Earth and Planetary Interiors</i> , 2006 , 156, 194-204	2.3	119
54	Antarctic ice sheet sensitivity to atmospheric CO2 variations in the early to mid-Miocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3453-8	11.5	100
53	Strengthening of North American dust sources during the late Pliocene (2.7 Ma). <i>Earth and Planetary Science Letters</i> , 2012 , 317-318, 8-19	5.3	83
52	Block rotation and continental extension in Afar: A comparison to oceanic microplate systems. <i>Tectonics</i> , 1991 , 10, 501-526	4.3	69
51	A reference time scale for Site U1385 (Shackleton Site) on the SW Iberian Margin. <i>Global and Planetary Change</i> , 2015 , 133, 49-64	4.2	67
50	A 13 200 year history of century to millennial-scale paleoenvironmental change magnetically recorded in the Palmer Deep, western Antarctic Peninsula. <i>Earth and Planetary Science Letters</i> , 2002 , 194, 311-326	5.3	57
49	Orbitally tuned timescale and astronomical forcing in the middle Eocene to early Oligocene. <i>Climate of the Past</i> , 2014 , 10, 955-973	3.9	54
48	Paleomagnetic overprints in ocean sediment cores and their relationship to shear deformation caused by piston coring. <i>Journal of Geophysical Research</i> , 2002 , 107, EPM 3-1-EPM 3-15		48
47	A 57 Ma Pacific plate palaeomagnetic pole determined from a skewness analysis of crossings of marine magnetic anomaly 25r. <i>Geophysical Journal International</i> , 1994 , 118, 529-554	2.6	45
46	On the construction of geomagnetic timescales from non-prejudicial treatment of magnetic anomaly data from multiple ridges. <i>Geophysical Journal International</i> , 1997 , 129, 176-182	2.6	43
45	IODP Expedition 339 in the Gulf of Cadiz and off West Iberia: decoding the environmental significance of the Mediterranean outflow water and its global influence. <i>Scientific Drilling</i> , 2013 , 16, 1-11		41
44	Sediment distribution and sedimentary processes across the Antarctic Wilkes Land margin during the Quaternary. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003 , 50, 1481-1508	2.3	41
43	The tectonic and geomagnetic significance of paleomagnetic observations from volcanic rocks from central Afar, Africa. <i>Earth and Planetary Science Letters</i> , 2000 , 180, 225-241	5.3	35
42	The "Shackleton Site" (IODP Site U1385) on the Iberian Margin. <i>Scientific Drilling</i> , 2013 , 16, 13-19		33

41	Micromagnetic coercivity distributions and interactions in chondrules with implications for paleointensities of the early solar system. <i>Journal of Geophysical Research</i> , 2007 , 112,		33
40	A sedimentary paleomagnetic record of the Matuyama chron from the Western Antarctic margin (ODP Site 1101). <i>Earth and Planetary Science Letters</i> , 2001 , 191, 61-74	5.3	33
39	Rock-magnetic artifacts on long-term relative paleointensity variations in sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 29-43	3.6	30
38	A 65 Ma palaeomagnetic pole for the Pacific plate from the skewness of magnetic anomalies 27r-31. <i>Geophysical Journal International</i> , 1991 , 106, 407-420	2.6	30
37	Paleomagnetism of Middle Miocene volcanic rocks in the Mojave-Sonora Desert region of western Arizona and southeastern California. <i>Journal of Geophysical Research</i> , 1990 , 95, 625		28
36	Determining palaeomagnetic poles and anomalous skewness from marine magnetic anomaly skewness data from a single plate. <i>Geophysical Journal International</i> , 1992 , 109, 209-224	2.6	27
35	Frequent landslides from Koolau Volcano: Results from ODP Hole 1223A. <i>Journal of Volcanology and Geothermal Research</i> , 2006 , 151, 251-268	2.8	25
34	High-resolution paleomagnetic records from Holocene sediments from the Palmer Deep, Western Antarctic Peninsula. <i>Earth and Planetary Science Letters</i> , 2000 , 181, 429-441	5.3	25
33	Improved Late Cretaceous and early Cenozoic Paleomagnetic apparent polar wander path for the Pacific plate. <i>Earth and Planetary Science Letters</i> , 2007 , 262, 1-20	5.3	24
32	A middle Miocene relative paleointensity record from the Equatorial Pacific. <i>Earth and Planetary Science Letters</i> , 2013 , 374, 227-238	5.3	22
31	Eocene-Oligocene paleoceanographic changes in the stratotype section, Massignano, Italy: Clues from rock magnetism and stable isotopes. <i>Journal of Geophysical Research</i> , 2007 , 112,		22
30	Current controlled deposition on the Wilkes Land continental rise, Antarctica. <i>Geological Society Memoir</i> , 2002 , 22, 373-384	0.4	22
29	Formation of curved seafloor fabric by changes in rift propagation velocity and spreading rate: Application to the 95.5°W Galapagos propagator. <i>Journal of Geophysical Research</i> , 1988 , 93, 11845		19
28	Depositional setting, provenance, and tectonic-volcanic setting of Eocene Recent deep-sea sediments of the oceanic Izu Bonin forearc, northwest Pacific (IODP Expedition 352). <i>International Geology Review</i> , 2018 , 60, 1816-1854	2.3	17
27	Geologic and palaeomagnetic constraints on the formation of weathered profiles near Inverell, Eastern Australia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1996 , 126, 211-225	2.9	17
26	Millennial-scale iceberg surges after intensification of Northern Hemisphere glaciation. <i>Geochemistry, Geophysics, Geosystems</i> , 2010 , 11,	3.6	16
25	The late Eocene greenhouse-icehouse transition: Observations from the Massignano global stratotype section and point (GSSP) 2009 ,		15
24	Analyzing micromagnetic properties with FORCIT Software. <i>Eos</i> , 2007 , 88, 230	1.5	15

23	Evidence of early bottom water current flow after the Messinian Salinity Crisis in the Gulf of Cadiz. <i>Marine Geology</i> , 2016 , 380, 315-329	3.3	15
22	Records of the Cobb Mountain Subchron from the Bermuda Rise (ODP LEG 172). <i>Earth and Planetary Science Letters</i> , 2001 , 193, 303-313	5.3	14
21	North Atlantic paleoceanography: The last five million years. <i>Eos</i> , 2006 , 87, 129	1.5	13
20	The nature of a cryptochron from a paleomagnetic study of chron C4r.2r recorded in sediments off the Antarctic Peninsula. <i>Physics of the Earth and Planetary Interiors</i> , 2006 , 156, 213-222	2.3	13
19	A test of the geocentric axial dipole hypothesis from an analysis of the skewness of the central marine magnetic anomaly. <i>Earth and Planetary Science Letters</i> , 1996 , 144, 337-346	5.3	13
18	Early to middle Miocene vegetation history of Antarctica supports eccentricity-paced warming intervals during the Antarctic icehouse phase. <i>Global and Planetary Change</i> , 2015 , 127, 67-78	4.2	12
17	A detailed paleomagnetic record between 2.1 and 2.75 Ma at IODP Site U1314 in the North Atlantic: Geomagnetic excursions and the Gauss-Matuyama transition. <i>Geochemistry, Geophysics, Geosystems</i> , 2012 , 13,	3.6	12
16	Geomagnetic field behavior at high latitudes from a paleomagnetic record from Eltanin core 2701 in the Ross Sea sector, Antarctica. <i>Earth and Planetary Science Letters</i> , 2008 , 267, 435-443	5.3	12
15	Paleomagnetic directions of the Gauss-Matuyama polarity transition recorded in drift sediments (IODP Site U1314) in the North Atlantic. <i>Earth, Planets and Space</i> , 2008 , 60, e13-e16	2.9	11
14	Insights into magmatic processes and hydrothermal alteration of in situ superfast spreading ocean crust at ODP/IODP site 1256 from a cluster analysis of rock magnetic properties. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 3430-3447	3.6	10
13	Oligocene-Miocene magnetostratigraphy of deep-sea sediments from the equatorial Pacific (IODP Site U1333). <i>Geological Society Special Publication</i> , 2013 , 373, 13-27	1.7	10
12	Palaeomagnetic study of IODP Sites U1331 and U1332 in the equatorial Pacific--extending relative geomagnetic palaeointensity observations through the Oligocene and into the Eocene. <i>Geophysical Journal International</i> , 2014 , 196, 694-711	2.6	10
11	Limits on the Age of the Deccan Traps of India from paleomagnetic and plate reconstruction data and their uncertainties. <i>Journal of Geophysical Research</i> , 1989 , 94, 17713		9
10	Miocene Glacial Dynamics Recorded by Variations in Magnetic Properties in the ANDRILL-2A Drill Core. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 2297-2312	3.6	7
9	Rock magnetic properties of the Gardar Drift sedimentary sequence, Site IODP U1314, North Atlantic: Implications for bottom current change through the mid-Pleistocene. <i>Marine Geology</i> , 2009 , 265, 31-39	3.3	7
8	Absolute Paleointensities from an Intact Section of Oceanic Crust Cored at ODP/IODP Site 1256 in the Equatorial Pacific 2011 , 181-193		2
7	Climate-Induced Variability in Mediterranean Outflow to the North Atlantic Ocean During the Late Pleistocene. <i>Paleoceanography and Paleoclimatology</i> , 2020 , 35, e2020PA003947	3.3	2
6	Magnetic Mineralogy of a Complete Oceanic Crustal Section (IODP Hole 1256D) 2011 , 169-179		1

5	Rock Magnetic Characterization Through an Intact Sequence of Oceanic Crust, IODP Hole 1256D 2011 , 153-168		1
4	On the relationship between paleomagnetic secular variation and excursions [Records from MIS 6 and 7 - ODP Leg 172. <i>Physics of the Earth and Planetary Interiors</i> , 2021 , 318, 106727	2.3	1
3	On the relationship between paleomagnetic secular variation and excursions [Records from MIS 9 and 10 - ODP Leg 172. <i>Physics of the Earth and Planetary Interiors</i> , 2022 , 106864	2.3	0
2	La campagne de forage << Leg ODP 172 >> sur la marge continentale nord-ouest Atlantique: des résultats préliminaires prometteurs. <i>Comptes Rendus De L'Académie Des Sciences Earth & Planetary Sciences Serie II, Sciences De La Terre Et Des Planètes</i> =, 1999 , 328, 435-442		
1	On the relationship between palaeomagnetic secular variation and excursions [Records from MIS 8 ODP Leg 172. <i>Geophysical Journal International</i> , 2021 , 225, 1129-1141	2.6	