James Channell

List of Publications by Year
in descending order

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75 papers	5,022 citations	81900 39 h-index	98798 67 g-index
76 all docs	76 docs citations	76 times ranked	3175 citing authors

#	Article	IF	Citations
1	Timing of Quaternary geomagnetic reversals and excursions in volcanic and sedimentary archives. Quaternary Science Reviews, 2020, 228, 106114.	3.0	119
2	The Role of Geomagnetic Field Intensity in Late Quaternary Evolution of Humans and Large Mammals. Reviews of Geophysics, 2019, 57, 709-738.	23.0	25
3	Relative paleointensity (RPI) and age control in Quaternary sediment drifts off the Antarctic Peninsula. Quaternary Science Reviews, 2019, 211, 17-33.	3.0	18
4	Relative paleointensity (RPI) in the latest Pleistocene (10â€“45 ka) and implications for deglacial atmospheric radiocarbon. Quaternary Science Reviews, 2018, 191, 57-72.	3.0	27
5	Magnetic excursions in the late Matuyama Chron (Olduvai to Matuyamaâ€Brunhes boundary) from North Atlantic IODP sites. Journal of Geophysical Research: Solid Earth, 2017, 122, 773-789.	3.4	12
6	Midâ€Brunhes magnetic excursions in marine isotope stages 9, 13, 14, and 15 (286, 495, 540, and 590 ka) at <scp>N</scp>orth<scp> A</scp>tlantic<scp> IODP S</scp>ites U1302/3, U1305, and U1306. Geochemistry, Geophysics, Geosystems, 2017, 18, 473-487.	2.5	9
7	Age and duration of Laschamp and Iceland Basin geomagnetic excursions in the South Atlantic Ocean. Quaternary Science Reviews, 2017, 167, 1-13.	3.0	21
8	Complexity in Matuyamaâ€“Brunhes polarity transitions from North Atlantic IODP/ODP deep-sea sites. Earth and Planetary Science Letters, 2017, 467, 43-56.	4.4	28
9	Comment on Mark etÂal. (2017): High-precision 40Ar/39Ar dating of Pleistocene tuffs and temporal anchoring of the Matuyama-Brunhes boundary. Quaternary Geochronology, 39, 1â€“23. Quaternary Geochronology, 2017, 42, 56-59.	1.4	5
10	Cobb Mountain Subchron recorded at IODP Site U1306 (Eirik Drift, off SE Greenland). Geophysical Journal International, 2017, 209, 1389-1397.	2.4	5
11	Mode transitions in Northern Hemisphere glaciation: co-evolution of millennial and orbital variability in Quaternary climate. Climate of the Past, 2016, 12, 1805-1828.	3.4	76
12	Magnetic record of deglaciation using FORC-PCA, sortable-silt grain size, and magnetic excursion at 26 ka, from the Rockall Trough (NE Atlantic). Geochemistry, Geophysics, Geosystems, 2016, 17, 1823-1841.	2.5	46
13	Eccentricity pacing of eastern equatorial Pacific carbonate dissolution cycles during the Miocene Climatic Optimum. Paleoceanography, 2016, 31, 1176-1192.	3.0	53
14	Relative paleointensity (RPI) and oxygen isotope stratigraphy at IODP Site U1308: North Atlantic RPI stack for 1.2â€“2.2 Ma (NARPI-2200) and age of the Olduvai Subchron. Quaternary Science Reviews, 2016, 131, 1-19.	3.0	55
15	The paleomagnetic record at IODP Site U1307 back to 2.2 Ma (Eirik Drift, off south Greenland). Earth and Planetary Science Letters, 2015, 429, 82-89.	4.4	10
16	Magnetic unmixing of firstâ€order reversal curve diagrams using principal component analysis. Geochemistry, Geophysics, Geosystems, 2015, 16, 2900-2915.	2.5	57
17	Geomagnetic Excursions. , 2015, , 343-383.		35
18	Paleomagnetism of Lake Van sediments: chronology and paleoenvironment since 350Âka. Quaternary Science Reviews, 2014, 104, 18-29.	3.0	30

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19	Nongeocentric axial dipole field behavior during the Mono Lake excursion. Journal of Geophysical Research: Solid Earth, 2014, 119, 2567-2581.	3.4	21
20	Oligoceneâ€“Miocene relative (geomagnetic) paleointensity correlated from the equatorial Pacific (IODP Site U1334 and ODP Site 1218) to the South Atlantic (ODP Site 1090). Earth and Planetary Science Letters, 2014, 387, 77-88.	4.4	12
21	Age through tandem correlation of Quaternary relative paleointensity (RPI) and oxygen isotope data at IODP Site U1306 (Eirik Drift, SW Greenland). Quaternary Science Reviews, 2014, 88, 135-146.	3.0	32
22	The <scp>I</scp>celand <scp>B</scp>asin excursion: Age, duration, and excursion field geometry. Geochemistry, Geophysics, Geosystems, 2014, 15, 4920-4935.	2.5	19
23	Magnetic signatures of Heinrich-like detrital layers in the Quaternary of the North Atlantic. Earth and Planetary Science Letters, 2013, 369-370, 260-270.	4.4	16
24	Biogenic magnetite, detrital hematite, and relative paleointensity in Quaternary sediments from the Southwest Iberian Margin. Earth and Planetary Science Letters, 2013, 376, 99-109.	4.4	40
25	The influence of highâ€latitude flux lobes on the Holocene paleomagnetic record of IODP Site U1305 and the northern North Atlantic. Geochemistry, Geophysics, Geosystems, 2013, 14, 4623-4646.	2.5	28
26	Oligoceneâ€Miocene magnetic stratigraphy carried by biogenic magnetite at sites U1334 and U1335 (equatorial Pacific Ocean). Geochemistry, Geophysics, Geosystems, 2013, 14, 265-282.	2.5	30
27	Determining the natural length of the currentÂinterglacial. Nature Geoscience, 2012, 5, 138-141.	12.9	94
28	A 750-kyr detrital-layer stratigraphy for the North Atlantic (IODP Sites U1302â€“U1303, Orphan Knoll,) Tj ETQq0 0 0 rgBT /Overlock 10	4.4	92
29	ODP Site 1063 (Bermuda Rise) revisited: Oxygen isotopes, excursions and paleointensity in the Brunhes Chron. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	53
30	Relative paleointensity and environmental magnetism since 1.2 Ma at IODP site U1305 (Eirik Drift, NW) Tj ETQq0 0 0 rgBT /Overlock 10	4.4	25
31	Origin of apparent magnetic excursions in deepâ€sea sediments from Mendeleevâ€Alpha Ridge, Arctic Ocean. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	39
32	Reconciling astrochronological and ⁴⁰Ar/³⁹Ar ages for the Matuyamaâ€Brunhes boundary and late Matuyama Chron. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	157
33	Stacking paleointensity and oxygen isotope data for the last 1.5ÂMyr (PISO-1500). Earth and Planetary Science Letters, 2009, 283, 14-23.	4.4	316
34	Self-reversal and apparent magnetic excursions in Arctic sediments. Earth and Planetary Science Letters, 2009, 284, 124-131.	4.4	54
35	Upper and lower Jaramillo polarity transitions recorded in IODP Expedition 303 North Atlantic sediments: Implications for transitional field geometry. Physics of the Earth and Planetary Interiors, 2009, 172, 131-140.	1.9	18
36	UPmag: MATLAB software for viewing and processing u channel or other passâ€through paleomagnetic data. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	68

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37	Age calibrated relative paleointensity for the last 1.5ÂMyr at IODP Site U1308 (North Atlantic). Earth and Planetary Science Letters, 2008, 274, 59-71.	4.4	75
38	Onset of â€œHudson Straitâ€•Heinrich events in the eastern North Atlantic at the end of the middle Pleistocene transition (â^¼640 ka)?. Paleoceanography, 2008, 23, .	3.0	290
39	Dating late Quaternary planktonic foraminifer Neogloboquadrina pachyderma from the Arctic Ocean using amino acid racemization. Paleoceanography, 2008, 23, .	3.0	51
40	Geomagnetic Excursions. , 2007, , 373-416.		56
41	Paleointensityâ€assisted chronostratigraphy of detrital layers on the Eirik Drift (North Atlantic) since marine isotope stage 11. Geochemistry, Geophysics, Geosystems, 2007, 8, .	2.5	36
42	Late Brunhes polarity excursions (Mono Lake, Laschamp, Iceland Basin and Pringle Falls) recorded at ODP Site 919 (Irminger Basin). Earth and Planetary Science Letters, 2006, 244, 378-393.	4.4	125
43	The Matuyama-Brunhes boundary interval (500-900 ka) in North Atlantic drift sediments. Geophysical Journal International, 2004, 158, 489-505.	2.4	99
44	Astronomic calibration of the late Oligocene through early Miocene geomagnetic polarity time scale. Earth and Planetary Science Letters, 2004, 224, 33-44.	4.4	120
45	Upper Miocene magnetic stratigraphy at ODP site 1092 (sub-Antarctic South Atlantic): recognition of â€˜cryptochronsâ€™ in C5n.2n. Geophysical Journal International, 2003, 153, 483-496.	2.4	22
46	A â^¼580 kyr paleomagnetic record from the sub-Antarctic South Atlantic (Ocean Drilling Program Site) Tj ETQq0 0 0 rgBT /Overlock 10	3.3	79
47	Paleomagnetic record at ODP Site 980 (Feni Drift, Rockall) for the past 1.2 Myrs. Geochemistry, Geophysics, Geosystems, 2003, 4, .	2.5	43
48	U channel track for susceptibility measurements. Geochemistry, Geophysics, Geosystems, 2003, 4, n/a-n/a.	2.5	28
49	Carnianâ€“Norian biomagnetostratigraphy at SilickÃ¡ BrezovÃ¡ (Slovakia): correlation to other Tethyan sections and to the Newark Basin. Palaeogeography, Palaeoclimatology, Palaeoecology, 2003, 191, 65-109.	2.3	89
50	The RÃ©union Subchronozone at ODP Site 981 (Feni Drift, North Atlantic). Earth and Planetary Science Letters, 2003, 215, 1-12.	4.4	49
51	Eocene to Miocene magnetostratigraphy, biostratigraphy, and chemostratigraphy at ODP Site 1090 (sub-Antarctic South Atlantic). Bulletin of the Geological Society of America, 2003, 115, 607-623.	3.3	72
52	Geomagnetic excursions and paleointensities in the Matuyama Chron at Ocean Drilling Program Sites 983 and 984 (Iceland Basin). Journal of Geophysical Research, 2002, 107, EPM 1-1.	3.3	189
53	Deconvolution of u-channel paleomagnetic data near geomagnetic reversals and short events. Geophysical Research Letters, 2002, 29, 26-1-26-4.	4.0	41
54	Effects of variable sedimentation rates and age errors on the resolution of sedimentary paleointensity records. Geochemistry, Geophysics, Geosystems, 2002, 3, 1-18.	2.5	27

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55	South Atlantic and North Atlantic geomagnetic paleointensity stacks (0â€“80ka): implications for inter-hemispheric correlation. Quaternary Science Reviews, 2002, 21, 1141-1151.	3.0	141
56	Plio-Pleistocene magnetic polarity stratigraphies and diagenetic magnetite dissolution at ODP Leg 177 Sites (1089, 1091, 1093 and 1094). Marine Micropaleontology, 2002, 45, 269-290.	1.2	22
57	North Atlantic palaeointensity stack since 75ka (NAPISâ€“75) and the duration of the Laschamp event. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2000, 358, 1009-1025.	3.4	327
58	Geomagnetic palaeointensities and astrochronological ages for the Matuyamaâ€“Brunhes boundary and the boundaries of the Jaramillo Subchron: palaeomagnetic and oxygen isotope records from ODP Site 983. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2000, 358, 1027-1047.	3.4	133
59	Geomagnetic paleointensity for the last 100 kyr from the sub-antarctic South Atlantic: a tool for inter-hemispheric correlation. Earth and Planetary Science Letters, 2000, 175, 145-160.	4.4	107
60	The top Olduvai polarity transition at ODP Site 983 (Iceland Basin). Earth and Planetary Science Letters, 1999, 166, 1-13.	4.4	20
61	Geomagnetic paleointensity and directional secular variation at Ocean Drilling Program (ODP) Site 984 (Bjorn Drift) since 500 ka: Comparisons with ODP Site 983 (Gardar Drift). Journal of Geophysical Research, 1999, 104, 22937-22951.	3.3	116
62	Orbital modulation of the Earth's magnetic field intensity. Nature, 1998, 394, 464-468.	27.8	127
63	How many oceans? Meliata, Vardar and Pindos oceans in Mesozoic Alpine paleogeography. Geology, 1997, 25, 183.	4.4	145
64	Relative geomagnetic paleointensity and Î´18O at ODP Site 983 (Gardar Drift, North Atlantic) since 350 ka. Earth and Planetary Science Letters, 1997, 153, 103-118.	4.4	172
65	The last two geomagnetic polarity reversals recorded in high-deposition-rate sediment drifts. Nature, 1997, 389, 712-715.	27.8	92
66	Comparison of magnetic hysteresis parameters of unremagnetized and remagnetized limestones. Journal of Geophysical Research, 1994, 99, 4613-4623.	3.3	124
67	Palaeozoic palaeomagnetic studies, in the Welsh Basin-recent advances. Geological Magazine, 1992, 129, 533-542.	1.5	31
68	Progressive dissolution of titanomagnetites at ODP Site 653 (Tyrrhenian Sea). Earth and Planetary Science Letters, 1990, 96, 469-480.	4.4	59
69	Paleomagnetic evidence for tertiary anticlockwise rotation in southwest Puerto Rico. Geophysical Research Letters, 1989, 16, 819-822.	4.0	21
70	High Resolution Global Paleointensity Stack Since 75 kyr (GLOPIS-75) Calibrated to Absolute Values. Geophysical Monograph Series, 0, , 255-265.	0.1	65
71	Natural Variations in the Carbon Cycle During the Early Cretaceous. Geophysical Monograph Series, 0, , 531-545.	0.1	45
72	⁴⁰Ar/³⁹Ar chronology of Late Pliocene and Early Pleistocene geomagnetic and glacial events in southern Argentina. Geophysical Monograph Series, 0, , 175-190.	0.1	18

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73	Astronomical Tuning and Duration of Three New Subchrons (C5r.2r-1n, C5r.2r-2n and C5r.3r-1n) Recorded in a Middle Miocene Continental Sequence from NE Spain. Geophysical Monograph Series, 0, , 141-160.	0.1	4
74	Magnetic stratigraphy of North Atlantic Sites 980â€“984. , 0, , .		11
75	IODP Expeditions 303 and 306 Monitor Miocene- Quaternary Climate in the North Atlantic. Scientific Drilling, 0, 2, 4-10.	0.6	6