

# Andrew P Roberts

## List of Publications by Citations

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269  
papers

15,439  
citations

64  
h-index

115  
g-index

279  
ext. papers

17,386  
ext. citations

6.1  
avg, IF

6.76  
L-index

#	Paper	IF	Citations
269	Characterizing interactions in fine magnetic particle systems using first order reversal curves. <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 6660-6667	2.5	741
268	First-order reversal curve diagrams: A new tool for characterizing the magnetic properties of natural samples. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 28461-28475		679
267	Wasp-waisted hysteresis loops: Mineral magnetic characteristics and discrimination of components in mixed magnetic systems. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 17909-17924		402
266	Environmental magnetism: Principles and applications. <i>Reviews of Geophysics</i> , <b>2012</b> , 50,	23.1	376
265	Environmental magnetism: Past, present, and future. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 2175-2192		374
264	Rapid coupling between ice volume and polar temperature over the past 150,000 years. <i>Nature</i> , <b>2012</b> , 491, 744-7	50.4	370
263	Sea-level and deep-sea-temperature variability over the past 5.3 million years. <i>Nature</i> , <b>2014</b> , 508, 477-82	50.4	364
262	Antarctic temperature and global sea level closely coupled over the past five glacial cycles. <i>Nature Geoscience</i> , <b>2009</b> , 2, 500-504	18.3	345
261	Magnetic properties of sedimentary greigite (Fe <sub>3</sub> S <sub>4</sub> ). <i>Earth and Planetary Science Letters</i> , <b>1995</b> , 134, 227-236	23.6	298
260	Three million years of monsoon variability over the northern Sahara. <i>Climate Dynamics</i> , <b>2003</b> , 21, 689-698	11.2	268
259	Magnetic properties of sedimentary greigite (Fe <sub>3</sub> S <sub>4</sub> ): An update. <i>Reviews of Geophysics</i> , <b>2011</b> , 49,	23.1	258
258	Diagenetic formation of ferrimagnetic iron sulphide minerals in rapidly deposited marine sediments, South Island, New Zealand. <i>Earth and Planetary Science Letters</i> , <b>1993</b> , 115, 257-273	5.3	253
257	Understanding fine magnetic particle systems through use of first-order reversal curve diagrams. <i>Reviews of Geophysics</i> , <b>2014</b> , 52, 557-602	23.1	235
256	Sea-level variability over five glacial cycles. <i>Nature Communications</i> , <b>2014</b> , 5, 5076	17.4	230
255	Magnetic mineral diagenesis. <i>Earth-Science Reviews</i> , <b>2015</b> , 151, 1-47	10.2	211
254	Improvements in long-core measurement techniques: applications in palaeomagnetism and palaeoceanography. <i>Geophysical Journal International</i> , <b>1993</b> , 114, 651-662	2.6	195
253	Why are geomagnetic excursions not always recorded in sediments? Constraints from post-depositional remanent magnetization lock-in modelling. <i>Earth and Planetary Science Letters</i> , <b>2004</b> , 227, 345-359	5.3	189

252	Continental ice in Greenland during the Eocene and Oligocene. <i>Nature</i> , <b>2007</b> , 446, 176-9	50.4	182
251	Orbitally induced oscillations in the East Antarctic ice sheet at the Oligocene/Miocene boundary. <i>Nature</i> , <b>2001</b> , 413, 719-23	50.4	180
250	Reductive diagenesis, magnetite dissolution, greigite growth and paleomagnetic smoothing in marine sediments: A new view. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 277, 223-235	5.3	176
249	Timing of meltwater pulse 1a and climate responses to meltwater injections. <i>Paleoceanography</i> , <b>2006</b> , 21,		159
248	First-order reversal curve diagrams and thermal relaxation effects in magnetic particles. <i>Geophysical Journal International</i> , <b>2001</b> , 145, 721-730	2.6	153
247	Multiple mechanisms of remagnetization involving sedimentary greigite (Fe <sub>3</sub> S <sub>4</sub> ). <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 231, 263-277	5.3	152
246	An investigation of multi-domain hysteresis mechanisms using FORC diagrams. <i>Physics of the Earth and Planetary Interiors</i> , <b>2001</b> , 126, 11-25	2.3	149
245	Volcanic ash layers illuminate the resilience of Neanderthals and early modern humans to natural hazards. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 13532-7	11.5	148
244	What do the HIRM and S-ratio really measure in environmental magnetism?. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2007</b> , 8, n/a-n/a	3.6	143
243	Magnetite dissolution, diachronous greigite formation, and secondary magnetizations from pyrite oxidation: Unravelling complex magnetizations in Neogene marine sediments from New Zealand. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 241, 119-137	5.3	138
242	A new concept for the paleoceanographic evolution of Heinrich event 1 in the North Atlantic. <i>Quaternary Science Reviews</i> , <b>2011</b> , 30, 1047-1066	3.9	137
241	Dynamics of green Sahara periods and their role in hominin evolution. <i>PLoS ONE</i> , <b>2013</b> , 8, e76514	3.7	134
240	Characterization of hematite (α-Fe <sub>2</sub> O <sub>3</sub> ), goethite (β-FeOOH), greigite (Fe <sub>3</sub> S <sub>4</sub> ), and pyrrhotite (Fe <sub>7</sub> S <sub>8</sub> ) using first-order reversal curve diagrams. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a		132
239	Diagenetic formation of greigite and pyrrhotite in gas hydrate marine sedimentary systems. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 261, 350-366	5.3	126
238	Carbon-Sulfur-iron relationships in sedimentary rocks from southwestern Taiwan: influence of geochemical environment on greigite and pyrrhotite formation. <i>Chemical Geology</i> , <b>2004</b> , 203, 153-168	4.2	126
237	Structural and magnetic studies on heavy-metal-adsorbing iron sulphide nanoparticles produced by sulphate-reducing bacteria. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 214, 13-30	2.8	126
236	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> , <b>2012</b> , 117, n/a-n/a		124
235	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> , <b>2011</b> , 310, 441-452	5.3	124

234	Geomagnetic excursions: Knowns and unknowns. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	124
233	Resolving the Origin of Pseudo-Single Domain Magnetic Behavior. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2017</b> , 122, 9534-9558	3.6	113
232	Bipolar seesaw control on last interglacial sea level. <i>Nature</i> , <b>2015</b> , 522, 197-201	50.4	103
231	A Critical Appraisal of the DayDiagram. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2018</b> , 123, 2618-2644	46	96
230	Comparison between Holocene and Marine Isotope Stage-11 sea-level histories. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 291, 97-105	5.3	93
229	Controls on the East Asian monsoon during the last glacial cycle, based on comparison between Hulu Cave and polar ice-core records. <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 3291-3302	3.9	91
228	Fundamental magnetic parameters from pure synthetic greigite (Fe <sub>3</sub> S <sub>4</sub> ). <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		91
227	Contradictory magnetic polarities in sediments and variable timing of neoformation of authigenic greigite. <i>Earth and Planetary Science Letters</i> , <b>2001</b> , 193, 1-12	5.3	91
226	Magnetostratigraphic calibration of Eocene-Oligocene dinoflagellate cyst biostratigraphy from the Norwegian-Greenland Sea. <i>Marine Geology</i> , <b>2004</b> , 204, 91-127	3.3	89
225	A late diagenetic (syn-folding) magnetization carried by pyrrhotite: implications for paleomagnetic studies from magnetic iron sulphide-bearing sediments. <i>Earth and Planetary Science Letters</i> , <b>2002</b> , 200, 371-386	5.3	89
224	North Pacific response to millennial-scale changes in ocean circulation over the last 60 kyr. <i>Paleoceanography</i> , <b>2001</b> , 16, 179-189		89
223	High-resolution analysis of early diagenetic effects on magnetic minerals in post-middle-Holocene continental shelf sediments from the Korea Strait. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		88
222	Magnetic paleointensity stratigraphy and high-resolution Quaternary geochronology: successes and future challenges. <i>Quaternary Science Reviews</i> , <b>2013</b> , 61, 1-16	3.9	86
221	Geomagnetic field behavior during the Iceland Basin and Laschamp geomagnetic excursions: A simple transitional field geometry?. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2006</b> , 7, n/a-n/a	3.6	85
220	Post-depositional remanent magnetization lock-in and the location of the Matuyama-Brunhes geomagnetic reversal boundary in marine and Chinese loess sequences. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 275, 102-110	5.3	84
219	Authigenic or detrital origin of pyrrhotite in sediments?: Resolving a paleomagnetic conundrum. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 241, 750-762	5.3	82
218	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> , <b>2003</b> , 190, 221-242	2.9	79
217	Environmental magnetic implications of Greigite (Fe <sub>3</sub> S <sub>4</sub> ) Formation in a 3 m.y. lake sediment record from Butte Valley, northern California. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 2859-2862	4.9	75

216	Magnetic properties of pelagic marine carbonates. <i>Earth-Science Reviews</i> , <b>2013</b> , 127, 111-139	10.2	74
215	The middle Eocene climatic optimum event in the Contessa Highway section, Umbrian Apennines, Italy. <i>Bulletin of the Geological Society of America</i> , <b>2007</b> , 119, 413-427	3.9	74
214	Antarctic records of precession-paced insolation-driven warming during early Pleistocene Marine Isotope Stage 31. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	71
213	The effect of low-temperature oxidation on large multi-domain magnetite. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 757-760	4.9	71
212	Sea-level and salinity fluctuations during the Paleocene-Eocene thermal maximum in Arctic Spitsbergen. <i>Earth and Planetary Science Letters</i> , <b>2011</b> , 303, 97-107	5.3	70
211	Mud volcanism on the Mediterranean Ridge: Initial results of Ocean Drilling Program Leg 160. <i>Geology</i> , <b>1996</b> , 24, 239-242	5	70
210	Magnetobiostratigraphic chronology of the Eocene-Oligocene transition in the CIROS-1 core, Victoria Land margin, Antarctica: Implications for Antarctic glacial history. <i>Bulletin of the Geological Society of America</i> , <b>1998</b> , 110, 35-47	3.9	67
209	Post-depositional remanent magnetization lock-in for marine sediments deduced from 10Be and paleomagnetic records through the Matuyama-Brunhes boundary. <i>Earth and Planetary Science Letters</i> , <b>2011</b> , 311, 39-52	5.3	66
208	Relative paleointensity of the geomagnetic field over the last 200,000 years from ODP Sites 883 and 884, North Pacific Ocean. <i>Earth and Planetary Science Letters</i> , <b>1997</b> , 152, 11-23	5.3	66
207	New biostratigraphic, magnetostratigraphic and isotopic insights into the Middle Eocene Climatic Optimum in low latitudes. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2010</b> , 297, 670-682	2.9	65
206	Apparent magnetic polarity reversals due to remagnetization resulting from late diagenetic growth of greigite from siderite. <i>Geophysical Journal International</i> , <b>2004</b> , 160, 89-100	2.6	65
205	Magnetostratigraphic, lithostratigraphic and tephrostratigraphic constraints on Lower and Middle Pleistocene sea-level changes, Wanganui Basin, New Zealand. <i>Earth and Planetary Science Letters</i> , <b>1994</b> , 121, 81-98	5.3	64
204	Formation of iron sulfide nodules during anaerobic oxidation of methane. <i>Geochimica Et Cosmochimica Acta</i> , <b>2007</b> , 71, 5155-5167	5.5	63
203	El Niño-Southern Oscillation signal associated with middle Holocene climate change in intercorrelated terrestrial and marine sediment cores, North Island, New Zealand. <i>Geology</i> , <b>2004</b> , 32, 653	5	62
202	Differences between the last two glacial maxima and implications for ice-sheet, $\delta^{18}O$ , and sea-level reconstructions. <i>Quaternary Science Reviews</i> , <b>2017</b> , 176, 1-28	3.9	61
201	Paleoclimate Variability in the Mediterranean and Red Sea Regions during the Last 500,000 Years. <i>Current Anthropology</i> , <b>2013</b> , 54, S183-S201	2.1	61
200	Distribution and mechanism of Neogene to present-day vertical axis rotations, Pacific-Australian Plate Boundary Zone, South Island, New Zealand. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 20447-20468		61
199	Diagenetic magnetic enhancement of sapropels from the eastern Mediterranean Sea. <i>Marine Geology</i> , <b>1999</b> , 153, 103-116	3.3	61

198	Genomic expansion of magnetotactic bacteria reveals an early common origin of magnetotaxis with lineage-specific evolution. <i>ISME Journal</i> , <b>2018</b> , 12, 1508-1519	11.9	59
197	Late MiocenePliocene Asian monsoon intensification linked to Antarctic ice-sheet growth. <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 444, 75-87	5.3	58
196	Normalised natural remanent magnetisation intensity during the last 240 000 years in piston cores from the central North Atlantic Ocean: geomagnetic field intensity or environmental signal?. <i>Physics of the Earth and Planetary Interiors</i> , <b>1995</b> , 87, 213-229	2.3	57
195	A 2.14-Myr astronomically tuned record of relative geomagnetic paleointensity from the western Philippine Sea. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		56
194	Inter-laboratory calibration of low-field magnetic and anhysteretic susceptibility measurements. <i>Physics of the Earth and Planetary Interiors</i> , <b>2003</b> , 138, 25-38	2.3	56
193	Magnetotactic bacterial response to Antarctic dust supply during the PalaeoceneEocene thermal maximum. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 333-334, 122-133	5.3	55
192	Paleogene and Cretaceous sediment cores from the Kilwa and Lindi areas of coastal Tanzania: Tanzania Drilling Project Sites 1B. <i>Journal of African Earth Sciences</i> , <b>2004</b> , 39, 25-62	2.2	55
191	Identification and environmental interpretation of diagenetic and biogenic greigite in sediments: A lesson from the Messinian Black Sea. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2014</b> , 15, 3612-3627	3.6	54
190	A 500,000 year record of Indian summer monsoon dynamics recorded by eastern equatorial Indian Ocean upper water-column structure. <i>Quaternary Science Reviews</i> , <b>2013</b> , 77, 167-180	3.9	54
189	Discrimination of biogenic and detrital magnetite through a double Verwey transition temperature. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2016</b> , 121, 3-14	3.6	53
188	A protocol for variable-resolution first-order reversal curve measurements. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2015</b> , 16, 1364-1377	3.6	53
187	Estimation of significance levels and confidence intervals for first-order reversal curve distributions. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2012</b> , 13,	3.6	53
186	Magnetic domain state diagnosis using hysteresis reversal curves. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2017</b> , 122, 4767-4789	3.6	50
185	Widespread occurrence of silicate-hosted magnetic mineral inclusions in marine sediments and their contribution to paleomagnetic recording. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2016</b> , 121, 8415-8431	3.6	50
184	The RESET project: constructing a European tephra lattice for refined synchronisation of environmental and archaeological events during the last c. 100 ka. <i>Quaternary Science Reviews</i> , <b>2015</b> , 118, 1-17	3.9	49
183	Increasing the efficiency of paleointensity analyses by selection of samples using first-order reversal curve diagrams. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a		49
182	Middle Eocene to Late Oligocene Antarctic glaciation/deglaciation and Southern Ocean productivity. <i>Paleoceanography</i> , <b>2014</b> , 29, 223-237		48
181	Magnetostratigraphic chronology of a late Eocene to early Miocene glacial marine succession from the Victoria Land Basin, Ross Sea, Antarctica. <i>Global and Planetary Change</i> , <b>2005</b> , 45, 207-236	4.2	48

180	Magnetite dissolution in siliceous sediments. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2003</b> , 4,	3.6	48
179	Complex polarity pattern at the former Pliocene-Pleistocene global stratotype section at Vrica (Italy): Remagnetization by magnetic iron sulphides. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 292, 98-111	5.3	47
178	Characterizing magnetofossils from first-order reversal curve (FORC) central ridge signatures. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2014</b> , 15, 2170-2179	3.6	46
177	Paleomagnetic determination of emplacement temperatures of pyroclastic deposits: an under-utilized tool. <i>Bulletin of Volcanology</i> , <b>2010</b> , 72, 309-330	2.4	45
176	Magnetobiostratigraphic chronology and palaeoenvironmental history of Cenozoic sequences from ODP sites 1165 and 1166, Prydz Bay, Antarctica. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2003</b> , 198, 69-100	2.9	45
175	Antarctic glacio-eustatic contributions to late Miocene Mediterranean desiccation and reflooding. <i>Nature Communications</i> , <b>2015</b> , 6, 8765	17.4	44
174	Radioisotopic age constraints for Glacial Terminations IX and VII from aggradational sections of the Tiber River delta in Rome, Italy. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 256, 61-80	5.3	44
173	Glaciation across the Oligocene-Miocene boundary in southern McMurdo Sound, Antarctica: new chronology from the CIROS-1 drill hole. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2003</b> , 198, 113-130	2.9	44
172	A paleoclimate record for the past 250,000 years from Summer Lake, Oregon, USA. 1. chronology and magnetic proxies for lake level. <i>Journal of Paleolimnology</i> , <b>2000</b> , 24, 125-149	2.1	44
171	Onshore-offshore gradient in reductive early diagenesis in coastal marine sediments of the Ria de Vigo, Northwest Iberian Peninsula. <i>Continental Shelf Research</i> , <b>2011</b> , 31, 433-447	2.4	43
170	New constraints on the timing of sea level fluctuations during early to middle marine isotope stage 3. <i>Paleoceanography</i> , <b>2008</b> , 23, n/a-n/a		43
169	Soil moisture balance and magnetic enhancement in loess-paleosol sequences from the Tibetan Plateau and Chinese Loess Plateau. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 409, 120-132	5.3	42
168	Low-temperature magnetic properties of pelagic carbonates: Oxidation of biogenic magnetite and identification of magnetosome chains. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2013</b> , 118, 6049-6065	3.6	42
167	Eocene-Oligocene magnetobiochronology of ODP Sites 689 and 690, Maud Rise, Weddell Sea, Antarctica. <i>Bulletin of the Geological Society of America</i> , <b>2005</b> , 117, 46	3.9	41
166	Magnetostratigraphy of Chinese loess-paleosol sequences. <i>Earth-Science Reviews</i> , <b>2015</b> , 150, 139-167	10.2	40
165	Giant magnetofossils and hyperthermal events. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 351-352, 258-269	3.6	40
164	Characteristic low-temperature magnetic properties of aluminous goethite $[(Fe, Al)OOH]$ explained. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a		40
163	High-resolution magnetic analysis of sediment cores: Strengths, limitations and strategies for maximizing the value of long-core magnetic data. <i>Physics of the Earth and Planetary Interiors</i> , <b>2006</b> , 156, 162-178	2.3	40

162	Marine magnetic anomalies: evidence that tiny wiggles represent short-period geomagnetic polarity intervals. <i>Earth and Planetary Science Letters</i> , <b>2000</b> , 183, 375-388	5.3	40
161	An Improved Algorithm for Unmixing First-Order Reversal Curve Diagrams Using Principal Component Analysis. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2018</b> , 19, 1595-1610	3.6	39
160	Quantifying magnetite magnetofossil contributions to sedimentary magnetizations. <i>Earth and Planetary Science Letters</i> , <b>2013</b> , 382, 58-65	5.3	39
159	Iron fertilisation and biogeochemical cycles in the sub-Arctic northwest Pacific during the late Pliocene intensification of northern hemisphere glaciation. <i>Earth and Planetary Science Letters</i> , <b>2011</b> , 307, 253-265	5.3	39
158	How does Chinese loess become magnetized?. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 292, 112-122	5.3	39
157	Rock magnetism of Lower/Middle Pleistocene marine sediments, Wanganui Basin, New Zealand. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 839-842	4.9	38
156	Signatures of Reductive Magnetic Mineral Diagenesis From Unmixing of First-Order Reversal Curves. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2018</b> , 123, 4500-4522	3.6	38
155	Magnetic detection and characterization of biogenic magnetic minerals: A comparison of ferromagnetic resonance and first-order reversal curve diagrams. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2014</b> , 119, 6136-6158	3.6	37
154	Low-temperature magnetic properties of greigite (Fe <sub>3</sub> S <sub>4</sub> ). <i>Geochemistry, Geophysics, Geosystems</i> , <b>2009</b> , 10, n/a-n/a	3.6	37
153	Relative geomagnetic paleointensity from the Jaramillo Subchron to the Matuyama/Brunhes boundary as recorded in a Mediterranean piston core. <i>Earth and Planetary Science Letters</i> , <b>2002</b> , 194, 327-341	5.3	37
152	Quaternary climatic control of biogenic magnetite production and eolian dust input in cores from the Mediterranean Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2003</b> , 190, 195-209	2.9	36
151	Lack of correlation between paleoprecipitation and magnetic susceptibility of Chinese Loess/Paleosol Sequences. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 4259-4262	4.9	36
150	Paleomagnetic constraints on the tectonic rotation of the southern Hikurangi margin, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , <b>1992</b> , 35, 311-323	1.6	36
149	Monsoon forcing, hydrodynamics of the Kuroshio Current, and tectonic effects on sedimentary carbon and sulfur cycling in the Okinawa Trough since 90 ka. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	35
148	Magnetic susceptibility of eastern Mediterranean marine sediments as a proxy for Saharan dust supply?. <i>Marine Geology</i> , <b>2008</b> , 254, 224-229	3.3	34
147	Coupled microbial bloom and oxygenation decline recorded by magnetofossils during the Palaeocene-Eocene Thermal Maximum. <i>Nature Communications</i> , <b>2018</b> , 9, 4007	17.4	34
146	Atmospheric dust variability from Arabia and China over the last 500,000 years. <i>Quaternary Science Reviews</i> , <b>2011</b> , 30, 3537-3541	3.9	33
145	Magnetostratigraphy of the Fenghuoshan Group in the Hoh Xil Basin and its tectonic implications for India-Eurasia collision and Tibetan Plateau deformation. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 486, 41-53	5.3	32

144	Magnetostratigraphic calibration of Southern Ocean diatom datums from the Eocene/Oligocene of Kerguelen Plateau (Ocean Drilling Program sites 744 and 748). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2003</b> , 198, 145-168	2.9	32
143	A method for unmixing magnetic hysteresis loops. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117,		31
142	A geological perspective on potential future sea-level rise. <i>Scientific Reports</i> , <b>2013</b> , 3, 3461	4.9	31
141	Variable remanence acquisition efficiency in sediments containing biogenic and detrital magnetites: Implications for relative paleointensity signal recording. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2014</b> , 15, 2780-2796	3.6	30
140	Environmental magnetic record of Antarctic palaeoclimate from Eocene/Oligocene glaciomarine sediments, Victoria Land Basin. <i>Geophysical Journal International</i> , <b>1998</b> , 134, 653-662	2.6	30
139	Integrated chronostratigraphic calibration of the Oligocene-Miocene boundary at $24.0 \pm 0.1$ Ma from the CRP-2A drill core, Ross Sea, Antarctica. <i>Geology</i> , <b>2002</b> , 30, 1043	5	30
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11	Unexpected Magnetic Behavior of Natural Hematite-Bearing Rocks at Low Temperatures. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2021</b> , 22, e2021GC010094	3.6	1
10	Influence of Early Low-Temperature and Later High-Temperature Diagenesis on Magnetic Mineral Assemblages in Marine Sediments From the Nankai Trough. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2021</b> , 22, e2021GC010133	3.6	1
9	Expanding magnetic organelle biogenesis in the domain Bacteria		1
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1	Kiwi magic: New Zealand paleomagnetism comes of age. <i>Eos</i> , <b>1990</b> , 71, 268	1.5	

