

Andrew P Roberts

List of Publications by Year in descending order

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272
papers

19,273
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12330

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times ranked

11129
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#	ARTICLE	IF	CITATIONS
1	Identification and characterization of magnetotactic Gammaproteobacteria from a salt evaporation pool, Bohai Bay, China. <i>Environmental Microbiology</i> , 2022, 24, 938-950.	3.8	11
2	Organic carbon burial in Mediterranean sapropels intensified during Green Sahara Periods since 3.2 Myr ago. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	15
3	The Magnetic and Color Reflectance Properties of Hematite: From Earth to Mars. <i>Reviews of Geophysics</i> , 2022, 60, .	23.0	37
4	Unlocking information about fine magnetic particle assemblages from first-order reversal curve diagrams: Recent advances. <i>Earth-Science Reviews</i> , 2022, 227, 103950.	9.1	15
5	Abyssal Manganese Nodule Recording of Global Cooling and Tibetan Plateau Uplift Impacts on Asian Aridification. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	8
6	Magnetotactic bacteria and magnetofossils: ecology, evolution and environmental implications. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, .	6.4	20
7	Identification of sulfate-reducing magnetotactic bacteria via a group-specific <scp>16S rDNA</scp> primer and correlative fluorescence and electron microscopy: Strategy for culture-independent study. <i>Environmental Microbiology</i> , 2022, 24, 5019-5038.	3.8	5
8	Diverse phylogeny and morphology of magnetite biomineralized by magnetotactic cocci. <i>Environmental Microbiology</i> , 2021, 23, 1115-1129.	3.8	25
9	Assessment of Magnetic Techniques for Understanding Complex Mixtures of Magnetite and Hematite: The Inuyama Red Chert. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	3.4	5
10	A novel authigenic magnetite source for sedimentary magnetization. <i>Geology</i> , 2021, 49, 360-365.	4.4	14
11	Understanding Nonideal Paleointensity Recording in Igneous Rocks: Insights From Aging Experiments on Lava Samples and the Causes and Consequences of "Fragile" Curvature in Arai Plots. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, .	2.5	15
12	Climatically Modulated Dust Inputs from New Zealand to the Southwest Pacific Sector of the Southern Ocean Over the Last 410 kyr. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA003949.	2.9	2
13	Sea level and deep-sea temperature reconstructions suggest quasi-stable states and critical transitions over the past 40 million years. <i>Science Advances</i> , 2021, 7, .	10.3	29
14	Magnetotactic Bacterial Activity in the North Pacific Ocean and Its Relationship to Asian Dust Inputs and Primary Productivity Since 8.0 Ma. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094687.	4.0	9
15	Diverse Intracellular Inclusion Types Within Magnetotactic Bacteria: Implications for Biogeochemical Cycling in Aquatic Environments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006310.	3.0	17
16	A Novel Magnetotactic Alphaproteobacterium Producing Intracellular Magnetite and Calcium-Bearing Minerals. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0155621.	3.1	4
17	Low-Temperature Magnetic Properties of Marine Sediments: Quantifying Magnetofossils, Superparamagnetism, and Maghemitization: Eastern Mediterranean Examples. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021793.	3.4	1
18	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> , 2021, 22, e2021GC010133.	2.5	3

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19	Unexpected Magnetic Behavior of Natural Hematite-Bearing Rocks at Low Temperatures. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC010094.	2.5	1
20	Magnetic Domain State and Anisotropy in Hematite (Fe_2O_3) From First-Order Reversal Curve Diagrams. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB023027.	3.4	8
21	Global warming-induced Asian hydrological climate transition across the Miocene-Pliocene boundary. <i>Nature Communications</i> , 2021, 12, 6935.	12.8	31
22	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.	4.4	32
23	East Asian monsoon evolution since the late Miocene from the South China Sea. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115960.	4.4	35
24	Continental-scale magnetic properties of surficial Australian soils. <i>Earth-Science Reviews</i> , 2020, 203, 103028.	9.1	9
25	An Automatic Model Selection-Based Machine Learning Framework to Estimate FORC Distributions. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020418.	3.4	9
26	Orbital climate variability on the northeastern Tibetan Plateau across the Eocene-Oligocene transition. <i>Nature Communications</i> , 2020, 11, 5249.	12.8	44
27	Biom mineralization and Magnetism of Uncultured Magnetotactic Coccus Strain THC-1 With Non-chained Magnetosomal Magnetite Nanoparticles. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020853.	3.4	16
28	Magnetotaxis as an Adaptation to Enable Bacterial Shuttling of Microbial Sulfur and Sulfur Cycling Across Aquatic Oxidic-Anoxic Interfaces. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG006012.	3.0	31
29	Magnetic Properties of Late Holocene Dead Sea Sediments as a Monitor of Regional Hydroclimate. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009176.	2.5	4
30	Assessment and Integration of Bulk and Component-Specific Methods for Identifying Mineral Magnetic Assemblages in Environmental Magnetism. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019024.	3.4	7
31	Expanding magnetic organelle biogenesis in the domain Bacteria. <i>Microbiome</i> , 2020, 8, 152.	11.1	44
32	A test of the relative importance of iron fertilization from aeolian dust and volcanic ash in the stratified high-nitrate low-chlorophyll subarctic Pacific Ocean. <i>Quaternary Science Reviews</i> , 2020, 248, 106577.	3.0	7
33	Two-stage mid-Brunhes climate transition and mid-Pleistocene human diversification. <i>Earth-Science Reviews</i> , 2020, 210, 103354.	9.1	35
34	Magnetic Vortex States in Toroidal Iron Oxide Nanoparticles: Combining Micromagnetics with Tomography. <i>Nano Letters</i> , 2020, 20, 7405-7412.	9.1	13
35	Micromagnetic simulations of first-order reversal curve (FORC) diagrams of framboidal greigite. <i>Geophysical Journal International</i> , 2020, 222, 1126-1134.	2.4	14
36	Magnetic evidence for Yellow River sediment in the late Holocene deposit of the Yangtze River Delta, China. <i>Marine Geology</i> , 2020, 427, 106274.	2.1	20

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37	Bullet-shaped Magnetite Biomineralization Within a Magnetotactic Deltaproteobacterium: Implications for Magnetofossil Identification. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005680.	3.0	32
38	Characterization and Quantification of Magnetofossils Within Abyssal Manganese Nodules From the Western Pacific Ocean and Implications for Nodule Formation. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008811.	2.5	15
39	Magnetostratigraphy of Mid-Miocene mammalian fauna in the Lanzhou Basin, northeastern Tibetan Plateau: Implications for Asian mammal migration. <i>Geoscience Frontiers</i> , 2020, 11, 1337-1344.	8.4	2
40	Magnetic Properties of Sedimentary Smythite (Fe ₉ S ₁₁). <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018812.	3.4	4
41	Uncertainty Propagation in Hierarchical Paleomagnetic Reconstructions. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019488.	3.4	11
42	Detrital remanent magnetization of single-crystal silicates with magnetic inclusions: constraints from deposition experiments. <i>Geophysical Journal International</i> , 2020, 224, 2001-2015.	2.4	11
43	Hematite (±Fe ₂ O ₃) quantification in sedimentary magnetism: limitations of existing proxies and ways forward. <i>Geoscience Letters</i> , 2020, 7, .	3.3	30
44	Dredging and canal gate technologies in Portus, the ancient harbour of Rome, reconstructed from event stratigraphy and multi-proxy sediment analysis. <i>Quaternary International</i> , 2019, 511, 78-93.	1.5	5
45	Paleomagnetic Recording Efficiency of Sedimentary Magnetic Mineral Inclusions: Implications for Relative Paleointensity Determinations. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 6267-6279.	3.4	7
46	Guadalupian (Middle Permian) ocean redox evolution in South China and its implications for mass extinction. <i>Chemical Geology</i> , 2019, 530, 119318.	3.3	18
47	Asynchronous Antarctic and Greenland ice-volume contributions to the last interglacial sea-level highstand. <i>Nature Communications</i> , 2019, 10, 5040.	12.8	57
48	Dating of tsunami boulders from Ishigaki Island, Japan, with a modified viscous remanent magnetization approach. <i>Earth and Planetary Science Letters</i> , 2019, 520, 94-104.	4.4	4
49	More efficient North Atlantic carbon pump during the Last Glacial Maximum. <i>Nature Communications</i> , 2019, 10, 2170.	12.8	22
50	Phylogenetic and Structural Identification of a Novel Magnetotactic <i>Deltaproteobacteria</i> Strain, WYHR-1, from a Freshwater Lake. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	35
51	Domain State Diagnosis in Rock Magnetism: Evaluation of Potential Alternatives to the Day Diagram. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 5286-5314.	3.4	44
52	Diagenetic Fate of Biogenic Soft and Hard Magnetite in Chemically Stratified Sedimentary Environments of Mamanguá, Brazil. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 2313-2330.	3.4	27
53	Simulation of Remanent, Transient, and Induced FORC Diagrams for Interacting Particles With Uniaxial, Cubic, and Hexagonal Anisotropy. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12404-12429.	3.4	18
54	Quantifying the Similarity of Paleomagnetic Poles. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12388-12403.	3.4	11

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55	Midlatitude Southern Hemisphere Temperature Change at the End of the Eocene Greenhouse Shortly Before Dawn of the Oligocene Icehouse. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1995-2004.	2.9	4
56	An Improved Algorithm for Unmixing First-Order Reversal Curve Diagrams Using Principal Component Analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1595-1610.	2.5	56
57	A Critical Appraisal of the "Day" Diagram. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2618-2644.	3.4	153
58	Magnetic Properties and Paleomagnetism of Zebra Rock, Western Australia: Chemical Remanence Acquisition in Hematite Pigment and Ediacaran Geomagnetic Field Behavior. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 732-748.	2.5	21
59	Fingerprints of partial oxidation of biogenic magnetite from cultivated and natural marine magnetotactic bacteria using synchrotron radiation. <i>Environmental Microbiology Reports</i> , 2018, 10, 337-343.	2.4	14
60	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> , 2018, 486, 41-53.	4.4	59
61	Magnetic Domain State Diagnosis in Soils, Loess, and Marine Sediments From Multiple First-Order Reversal Curve-Type Diagrams. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 998-1017.	3.4	9
62	A Bayesian Approach to the Paleomagnetic Conglomerate Test. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 1132-1142.	3.4	7
63	Ferrimagnetic Iron Sulfide Formation and Methane Venting Across the Paleocene-Eocene Thermal Maximum in Shallow Marine Sediments, Ancient West Siberian Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 21-42.	2.5	21
64	Mineral magnetic record of the Miocene-Pliocene climate transition on the Chinese Loess Plateau, North China. <i>Quaternary Research</i> , 2018, 89, 619-628.	1.7	6
65	Coupled microbial bloom and oxygenation decline recorded by magnetofossils during the Palaeocene-Eocene Thermal Maximum. <i>Nature Communications</i> , 2018, 9, 4007.	12.8	56
66	Reply to Zhang et al.: Late Miocene-Pliocene magnetostratigraphy of the Shilou Red Clay on the eastern Chinese Loess Plateau. <i>Earth and Planetary Science Letters</i> , 2018, 503, 252-255.	4.4	3
67	Magnetic vortex effects on first-order reversal curve (FORC) diagrams for greigite dispersions. <i>Earth and Planetary Science Letters</i> , 2018, 501, 103-111.	4.4	21
68	Signatures of Reductive Magnetic Mineral Diagenesis From Unmixing of First-Order Reversal Curves. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 4500-4522.	3.4	61
69	The Low-Temperature Besnus Magnetic Transition: Signals Due to Monoclinic and Hexagonal Pyrrhotite. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3364-3375.	2.5	30
70	Global cooling and enhanced Eocene Asian mid-latitude interior aridity. <i>Nature Communications</i> , 2018, 9, 3026.	12.8	46
71	Genomic expansion of magnetotactic bacteria reveals an early common origin of magnetotaxis with lineage-specific evolution. <i>ISME Journal</i> , 2018, 12, 1508-1519.	9.8	103
72	Revisiting the Paleomagnetic Reversal Test: A Bayesian Hypothesis Testing Framework for a Common Mean Direction. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 7225-7236.	3.4	20

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73	Multidecadally resolved polarity oscillations during a geomagnetic excursion. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8913-8918.	7.1	16
74	Influence of Sea Level Change and Centennial East Asian Monsoon Variations on Northern South China Sea Sediments Over the Past 36 kyr. Geochemistry, Geophysics, Geosystems, 2018, 19, 1674-1689.	2.5	13
75	Origin of Magnetism in Hydrothermally Aged 2-Line Ferrihydrite Suspensions. Environmental Science & Technology, 2017, 51, 2643-2651.	10.0	16
76	Early Pleistocene occurrence of Acheulian technology in North China. Quaternary Science Reviews, 2017, 156, 12-22.	3.0	18
77	Magnetic domain state diagnosis using hysteresis reversal curves. Journal of Geophysical Research: Solid Earth, 2017, 122, 4767-4789.	3.4	65
78	Volcanic records of the Laschamp geomagnetic excursion from Mt Ruapehu, New Zealand. Earth and Planetary Science Letters, 2017, 472, 131-141.	4.4	17
79	An updated age for the Xujiayao hominin from the Nihewan Basin, North China: Implications for Middle Pleistocene human evolution in East Asia. Journal of Human Evolution, 2017, 106, 54-65.	2.6	28
80	Remanence acquisition efficiency in biogenic and detrital magnetite and recording of geomagnetic paleointensity. Geochemistry, Geophysics, Geosystems, 2017, 18, 1435-1450.	2.5	37
81	Remagnetization mechanisms in Triassic red beds from South China. Earth and Planetary Science Letters, 2017, 479, 219-230.	4.4	25
82	Classical and exotic magnetism: Recent advances and perspectives. Low Temperature Physics, 2017, 43, 895-900.	0.6	5
83	Differences between the last two glacial maxima and implications for ice-sheet, $\delta^{18}O$, and sea-level reconstructions. Quaternary Science Reviews, 2017, 176, 1-28.	3.0	82
84	Tectonic, climatic, and diagenetic control of magnetic properties of sediments from Kumano Basin, Nankai margin, southwestern Japan. Marine Geology, 2017, 391, 1-12.	2.1	14
85	Resolving the Origin of Pseudo-Single Domain Magnetic Behavior. Journal of Geophysical Research: Solid Earth, 2017, 122, 9534-9558.	3.4	145
86	Estimation and propagation of uncertainties associated with paleomagnetic directions. Journal of Geophysical Research: Solid Earth, 2016, 121, 2274-2289.	3.4	14
87	Late Miocene-Pliocene Asian monsoon intensification linked to Antarctic ice-sheet growth. Earth and Planetary Science Letters, 2016, 444, 75-87.	4.4	86
88	Widespread occurrence of silicate-hosted magnetic mineral inclusions in marine sediments and their contribution to paleomagnetic recording. Journal of Geophysical Research: Solid Earth, 2016, 121, 8415-8431.	3.4	65
89	Control of Earth-like magnetic fields on the transformation of ferrihydrite to hematite and goethite. Scientific Reports, 2016, 6, 30395.	3.3	18
90	Estimating the concentration of aluminum-substituted hematite and goethite using diffuse reflectance spectrometry and rock magnetism: Feasibility and limitations. Journal of Geophysical Research: Solid Earth, 2016, 121, 4180-4194.	3.4	28

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91	Magnetism of Al ³⁺ -substituted magnetite reduced from Al ³⁺ -hematite. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 4195-4210.	3.4	18
92	Analyzing paleomagnetic data: To anchor or not to anchor?. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7742-7753.	3.4	29
93	Asian monsoon modulation of nonsteady state diagenesis in hemipelagic marine sediments offshore of Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4383-4398.	2.5	22
94	Early Carboniferous paleomagnetic results from the northeastern margin of the Qinghai-Tibetan plateau and their implications. <i>Gondwana Research</i> , 2016, 36, 57-64.	6.0	10
95	Discrimination of biogenic and detrital magnetite through a double Verwey transition temperature. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 3-14.	3.4	69
96	Environmental magnetic implications of magnetofossil occurrence during the Middle Eocene Climatic Optimum (MECO) in pelagic sediments from the equatorial Indian Ocean. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 441, 212-222.	2.3	26
97	New magnetostratigraphy of Late Miocene mammal fauna, NE Tibetan Plateau, China: Mammal migration and paleoenvironments. <i>Earth and Planetary Science Letters</i> , 2016, 434, 220-230.	4.4	15
98	A protocol for variable-resolution first-order reversal curve measurements. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1364-1377.	2.5	61
99	New magnetobiostratigraphic chronology and paleoceanographic changes across the Oligocene-Miocene boundary at DSDP Site 516 (Rio Grande Rise, SW Atlantic). <i>Paleoceanography</i> , 2015, 30, 659-681.	3.0	15
100	Antarctic glacio-eustatic contributions to late Miocene Mediterranean desiccation and reflooding. <i>Nature Communications</i> , 2015, 6, 8765.	12.8	52
101	Bipolar seesaw control on last interglacial sea level. <i>Nature</i> , 2015, 522, 197-201.	27.8	131
102	Source-to-sink magnetic properties of NE Saharan dust in Eastern Mediterranean marine sediments: review and paleoenvironmental implications. <i>Frontiers in Earth Science</i> , 2015, 3, .	1.8	12
103	Magnetostratigraphy of Chinese loess-paleosol sequences. <i>Earth-Science Reviews</i> , 2015, 150, 139-167.	9.1	57
104	The RESET project: constructing a European tephra lattice for refined synchronisation of environmental and archaeological events during the last c. 100 kya. <i>Quaternary Science Reviews</i> , 2015, 118, 1-17.	3.0	60
105	Magnetic mineral diagenesis. <i>Earth-Science Reviews</i> , 2015, 151, 1-47.	9.1	296
106	Asteroid impact vs. Deccan eruptions: The origin of low magnetic susceptibility beds below the Cretaceous-Paleogene boundary revisited. <i>Earth and Planetary Science Letters</i> , 2015, 430, 209-223.	4.4	23
107	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> , 2015, 409, 120-132.	4.4	56
108	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.	3.5	26

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109	Syntectonic emplacement of Late Cretaceous mafic dyke swarms in coastal southeastern China: Insights from magnetic fabrics, rock magnetism and field evidence. <i>Tectonophysics</i> , 2014, 637, 328-340.	2.2	12
110	A statistical simulation of magnetic particle alignment in sediments. <i>Geophysical Journal International</i> , 2014, 197, 828-837.	2.4	12
111	Sea-level and deep-sea-temperature variability over the past 5.3 million years. <i>Nature</i> , 2014, 508, 477-482.	27.8	487
112	Middle Eocene to Late Oligocene Antarctic glaciation/deglaciation and Southern Ocean productivity. <i>Paleoceanography</i> , 2014, 29, 223-237.	3.0	64
113	Understanding fine magnetic particle systems through use of first-order reversal curve diagrams. <i>Reviews of Geophysics</i> , 2014, 52, 557-602.	23.0	310
114	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> , 2014, 119, 6136-6158.	3.4	42
115	Identification and environmental interpretation of diagenetic and biogenic greigite in sediments: A lesson from the Messinian Black Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3612-3627.	2.5	63
116	Variable remanence acquisition efficiency in sediments containing biogenic and detrital magnetites: Implications for relative paleointensity signal recording. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2780-2796.	2.5	34
117	Is there a link between geomagnetic reversal frequency and paleointensity? A Bayesian approach. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 5290-5304.	3.4	21
118	Sea-level variability over five glacial cycles. <i>Nature Communications</i> , 2014, 5, 5076.	12.8	325
119	Characterizing magnetofossils from first-order reversal curve (FORC) central ridge signatures. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2170-2179.	2.5	51
120	Haematite pigmentation events and palaeomagnetic recording: implications from the Pilbara Print Stone, Western Australia. <i>Geophysical Journal International</i> , 2014, 199, 658-672.	2.4	17
121	Enhanced primary productivity and magnetotactic bacterial production in response to middle Eocene warming in the Neo-Tethys Ocean. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 414, 32-45.	2.3	37
122	Volcanic iron fertilization of primary productivity at Kerguelen Plateau, Southern Ocean, through the Middle Miocene Climate Transition. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 410, 1-13.	2.3	10
123	Introduction to 'Magnetic iron minerals in sediments and their relation to geologic processes, climate, and the geomagnetic field'. <i>Global and Planetary Change</i> , 2013, 110, 259-263.	3.5	6
124	Magnetic paleointensity stratigraphy and high-resolution Quaternary geochronology: successes and future challenges. <i>Quaternary Science Reviews</i> , 2013, 61, 1-16.	3.0	110
125	Magnetic properties of pelagic marine carbonates. <i>Earth-Science Reviews</i> , 2013, 127, 111-139.	9.1	84
126	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> , 2013, 77, 167-180.	3.0	69

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127	Calculating uncertainties on predictions of palaeoprecipitation from the magnetic properties of soils. <i>Global and Planetary Change</i> , 2013, 110, 379-385.	3.5	18
128	Critical single domain grain sizes in chains of interacting greigite particles: Implications for magnetosome crystals. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5430-5441.	2.5	19
129	Paleoclimate Variability in the Mediterranean and Red Sea Regions during the Last 500,000 Years. <i>Current Anthropology</i> , 2013, 54, S183-S201.	1.6	71
130	Quantifying magnetite magnetofossil contributions to sedimentary magnetizations. <i>Earth and Planetary Science Letters</i> , 2013, 382, 58-65.	4.4	44
131	Low-temperature magnetic properties of pelagic carbonates: Oxidation of biogenic magnetite and identification of magnetosome chains. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 6049-6065.	3.4	50
132	Environmental magnetic record of paleoclimate, unroofing of the Transantarctic Mountains, and volcanism in late Eocene to early Miocene glaci-marine sediments from the Victoria Land Basin, Ross Sea, Antarctica. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1845-1861.	3.4	18
133	A geological perspective on potential future sea-level rise. <i>Scientific Reports</i> , 2013, 3, 3461.	3.3	41
134	Dynamics of Green Sahara Periods and Their Role in Hominin Evolution. <i>PLoS ONE</i> , 2013, 8, e76514.	2.5	200
135	ENIGMATIC X-RAY MAGNETIC CIRCULAR DICHROISM IN GREIGITE (Fe ₃ S ₄). <i>Canadian Mineralogist</i> , 2012, 50, 667-674.	1.0	9
136	Environmental magnetism: Principles and applications. <i>Reviews of Geophysics</i> , 2012, 50, .	23.0	491
137	Rapid coupling between ice volume and polar temperature over the past 150,000 years. <i>Nature</i> , 2012, 491, 744-747.	27.8	477
138	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> , 2012, 109, 13532-13537.	7.1	180
139	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.	2.3	8
140	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.	4.4	67
141	Giant magnetofossils and hyperthermal events. <i>Earth and Planetary Science Letters</i> , 2012, 351-352, 258-269.	4.4	54
142	First paleomagnetic results of mid- to late Holocene sediments from Lake Issyk-Kul (Kyrgyzstan): Implications for paleosecular variation in central Asia. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	11
143	Estimating best fit binary mixing lines in the Day plot. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	14
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