

# Environmental magnetism: Principles and applications

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Mud and magnetism: records of late Pleistocene and Holocene environmental change recorded by magnetic measurements. <i>Journal of Paleolimnology</i> , 2013, 49, 465-480.	0.8	29
2	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.	1.6	6
3	Testing the magnetic proxy $\delta\text{FD}/\text{HIRM}$ for quantifying paleoprecipitation in modern soil profiles from Shaanxi Province, China. <i>Global and Planetary Change</i> , 2013, 110, 368-378.	1.6	69
4	Magnetic properties of pelagic marine carbonates. <i>Earth-Science Reviews</i> , 2013, 127, 111-139.	4.0	84
5	The link between biomineralization and fossilization of bacteria: Insights from field and experimental studies. <i>Chemical Geology</i> , 2013, 359, 49-69.	1.4	118
6	Soil formation and mineralogy of a Rhodic Luvisol – insights from magnetic and geochemical studies. <i>Global and Planetary Change</i> , 2013, 110, 397-413.	1.6	21
7	Calculating uncertainties on predictions of palaeoprecipitation from the magnetic properties of soils. <i>Global and Planetary Change</i> , 2013, 110, 379-385.	1.6	18
8	Rock magnetism, iron oxide mineralogy and geochemistry of Quaternary red earth in central China and their paleopedogenic implication. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 379-380, 95-103.	1.0	28
9	Sea-ice conditions in the Okhotsk Sea during the last 550 kyr deduced from environmental magnetism. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5026-5040.	1.0	10
10	A strong angular dependence of magnetic properties of magnetosome chains: Implications for rock magnetism and paleomagnetism. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3887-3907.	1.0	34
11	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.	1.4	18
12	A high-resolution multi-proxy record of late Cenozoic environment change from central Taklimakan Desert, China. <i>Climate of the Past</i> , 2013, 9, 2731-2739.	1.3	12
13	Grand challenges in geomagnetism and paleomagnetism. <i>Frontiers in Earth Science</i> , 2013, 1, .	0.8	1
14	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
15	Magnetic fingerprint of southern Portuguese speleothems and implications for paleomagnetism and environmental magnetism. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 7993-8020.	1.4	24
16	Ages and magnetic structures of the South China Sea constrained by deep tow magnetic surveys and IODP Expedition 349. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4958-4983.	1.0	419
17	A rock magnetic study on red palaeosols in Yun-Gui Plateau (Southwestern China) and evidence for uplift of Plateau. <i>Geophysical Journal International</i> , 2014, 196, 736-747.	1.0	9
18	Effects of the grain size distribution on magnetic properties of magnetite: constraints from micromagnetic modeling. <i>Science Bulletin</i> , 2014, 59, 4763-4773.	1.7	7

#	ARTICLE	IF	CITATIONS
19	Natural pedogenic pathway of iron oxides. <i>National Science Review</i> , 2014, 1, 8-9.	4.6	0
20	Curie temperatures of titanomagnetite in ignimbrites: Effects of emplacement temperatures, cooling rates, exsolution, and cation ordering. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4343-4368.	1.0	20
21	Linking Environmental Magnetism to Geochemical Studies and Management of Trace Metals. Examples from Fluvial, Estuarine and Marine Systems. <i>Minerals (Basel, Switzerland)</i> , 2014, 4, 716-745.	0.8	8
22	Magnetic and diffuse reflectance spectroscopic characterization of iron oxides in the tidal flat sequence from the coastal plain of Jiangsu Province, China. <i>Geophysical Journal International</i> , 2014, 196, 175-188.	1.0	14
23	The Middle Palaeolithic site of Birzgane (Tebessa, Algeria): Rock magnetic property characterisation and past rainfall reconstruction. <i>Quaternary International</i> , 2014, 320, 63-74.	0.7	5
24	Combined palaeomagnetic secular variation and petrophysical records to time-constrain geological and hazardous events: An example from the eastern Tyrrhenian Sea over the last 120ka. <i>Global and Planetary Change</i> , 2014, 113, 91-109.	1.6	34
25	Magnetic susceptibility of road deposited sediments at a national scale—Relation to population size and urban pollution. <i>Environmental Pollution</i> , 2014, 189, 239-251.	3.7	57
26	Detection and differentiation of pollution in urban surface soils using magnetic properties in arid and semi-arid regions of northwestern China. <i>Environmental Pollution</i> , 2014, 184, 335-346.	3.7	40
27	Quantification of magnetic nanoparticles with broad-band-frequency magnetic susceptibility measurements: a case study of an upper loess/palaeosol succession at Luochuan, Chinese Loess Plateau. <i>Geophysical Journal International</i> , 2014, 199, 767-783.	1.0	7
28	Identification of the thick-layer greigite in sediments of the South Yellow Sea and its geological significances. <i>Science Bulletin</i> , 2014, 59, 2764-2775.	1.7	6
29	Late Miocene-early Pleistocene paleoclimate history of the Chinese Loess Plateau revealed by remanence unmixing. <i>Geophysical Research Letters</i> , 2014, 41, 2163-2168.	1.5	33
30	Intensified aridity of the Asian interior recorded by the magnetism of red clay in Altun Shan, NE Tibetan Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 411, 30-41.	1.0	20
31	Introducing an improved multi-proxy approach for paleoenvironmental reconstruction of loess—paleosol archives applied on the Late Pleistocene Nussloch sequence (SW Germany). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 410, 300-315.	1.0	53
32	Combination of magnetic parameters and heavy metals to discriminate soil-contamination sources in Yinchuan — A typical oasis city of Northwestern China. <i>Science of the Total Environment</i> , 2014, 485-486, 83-92.	3.9	58
33	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.	1.0	37
34	Magnetic comparison of abiogenic and biogenic alteration products of lepidocrocite. <i>Earth and Planetary Science Letters</i> , 2014, 395, 149-158.	1.8	19
35	Discriminating dusts and dusts sources using magnetic properties and hematite:Goethite ratios of surface materials and dust from North Africa, the Atlantic and Barbados. <i>Aeolian Research</i> , 2014, 13, 91-104.	1.1	17
36	Effects of the core-shell structure on the magnetic properties of partially oxidized magnetite grains: Experimental and micromagnetic investigations. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2021-2038.	1.0	31

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37	Ferro and antiferromagnetism of ultrafine-grained hematite. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2699-2712.	1.0	23
38	Tectonic and sedimentary evolution of the late Miocene–Pleistocene Dali Basin in the southeast margin of the Tibetan Plateau: Evidences from anisotropy of magnetic susceptibility and rock magnetic data. <i>Tectonophysics</i> , 2014, 629, 362-377.	0.9	20
39	The evolution of Mediterranean wetlands in the first millennium AD: The case of Les Arenes floodplain (Tortosa, NE Spain). <i>Geoderma</i> , 2014, 232-234, 219-235.	2.3	14
40	Late Quaternary climatic changes revealed by luminescence dating, mineral magnetism and diffuse reflectance spectroscopy of river terrace palaeosols: a new form of geoproxy data for the southern African interior. <i>Quaternary Science Reviews</i> , 2014, 95, 43-59.	1.4	49
41	Magnetostratigraphy of a greigite-bearing core from the South Yellow Sea: Implications for remagnetization and sedimentation. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 7425-7441.	1.4	42
42	Magnetic mineral diagenesis in the river-dominated inner shelf of the East China Sea, China. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 4720-4733.	1.4	30
43	Long-term evolution of an Oligocene/Miocene maar lake from Otago, New Zealand. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 59-76.	1.0	23
44	Grain growth and transformation of pedogenic magnetic particles in red Ferralsols. <i>Geophysical Research Letters</i> , 2015, 42, 5762-5770.	1.5	25
45	A 1400 year environmental magnetic record from varved sediments of Lake Xiaolongwan (North-east China) reflecting natural and anthropogenic soil erosion. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3053-3060.	1.0	6
46	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
47	Preliminary data of magnetic susceptibility and geomagnetic field variations from sediment records of Lagoa dos Patos, Rio Grande do Sul State, Brazil. , 2015, , .		0
48	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, , .	0.8	12
49	Numerical strategies for magnetic mineral unmixing. <i>Earth-Science Reviews</i> , 2015, 150, 256-284.	4.0	62
50	Detecting the sensitivity of magnetic response on different pollution sources – A case study from typical mining cities in northwestern China. <i>Environmental Pollution</i> , 2015, 207, 288-298.	3.7	26
51	Magnetic susceptibility and geochemical characterization of an upper Mississippian cyclothem section Polotnyanyi Zavod, (Moscow Basin, Russia). <i>Geological Society Special Publication</i> , 2015, 414, 181-196.	0.8	4
52	Variation of magnetic properties in sediments from Lake Towuti, Indonesia, and its paleoclimatic significance. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 420, 163-172.	1.0	35
53	Magnetic mineralogy of a weathered tropical basalt, Hainan Island, South China. <i>Physics of the Earth and Planetary Interiors</i> , 2015, 240, 105-113.	0.7	17
54	Hydrological and ecosystem response to abrupt changes in the Indian monsoon during the last glacial, as recorded by sediments from Xingyun Lake, Yunnan, China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 421, 15-23.	1.0	31

#	ARTICLE	IF	CITATIONS
55	The magnetic record of inorganic fly ash deposition in lake sediments and ombrotrophic peats. <i>Holocene</i> , 2015, 25, 215-225.	0.9	14
56	Multiproxy record of monsoon variability from the Ganga Plain during 400â€“1200 A.D.. <i>Quaternary International</i> , 2015, 371, 157-163.	0.7	36
57	Magnetic parameters indicate the intensity of chemical weathering developed on igneous rocks in China. <i>Catena</i> , 2015, 133, 328-341.	2.2	32
58	Geophysical Properties of the Near-Surface Earth: Magnetic Properties. , 2015, , 139-174.		13
59	Geochemical and magnetic characteristics of aeolian transported materials under different near-surface wind fields: An experimental study. <i>Geomorphology</i> , 2015, 239, 106-113.	1.1	9
60	Mineral magnetic and diffuse reflectance spectroscopy characteristics of the Deccan volcanic bole beds: Implications to genesis and transformations of iron oxides. <i>Geoderma</i> , 2015, 239-240, 317-330.	2.3	23
61	Depositional provinces, dispersal, and origin of terrigenous sediments along the SE South American continental margin. <i>Marine Geology</i> , 2015, 363, 261-272.	0.9	44
62	Magnetic properties of tidal flat sediments on the Yangtze coast, China: Early diagenetic alteration and implications. <i>Holocene</i> , 2015, 25, 832-843.	0.9	20
63	Magnetic mineral diagenesis. <i>Earth-Science Reviews</i> , 2015, 151, 1-47.	4.0	296
64	Further studies on the problems of geomagnetic field intensity determination from archaeological baked clay materials. <i>Geophysical Journal International</i> , 2015, 203, 588-604.	1.0	6
65	A 13,000 year record of environmental magnetic variations in the lake and peat deposits from the Chandra valley, Lahaul: Implications to Holocene monsoonal variability in the NW Himalaya. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 440, 116-127.	1.0	55
66	Rock-magnetic proxies of wind intensity and dust since 51,200 cal BP from lacustrine sediments of Laguna Potrok Aike, southeastern Patagonia. <i>Earth and Planetary Science Letters</i> , 2015, 411, 72-86.	1.8	18
67	An integrated rock-magnetic and geochemical approach to loess/paleosol sequences from Bohemia and Moravia (Czech Republic): Implications for the Upper Pleistocene paleoenvironment in central Europe. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 418, 344-358.	1.0	58
68	Thermal magnetic behaviour of Al-substituted haematite mixed with clay minerals and its geological significance. <i>Geophysical Journal International</i> , 2015, 200, 130-143.	1.0	23
69	Soil moisture balance and magnetic enhancement in loessâ€“paleosol sequences from the Tibetan Plateau and Chinese Loess Plateau. <i>Earth and Planetary Science Letters</i> , 2015, 409, 120-132.	1.8	56
70	Study Clastic Sediments and Evaporite Depositsâ€™ Changes in the Sedimentary Core Lake Maharlou, Iran. <i>Modern Applied Science</i> , 2016, 10, 1.	0.4	6
71	A Review of Recent Advances in Red-Clay Environmental Magnetism and Paleoclimate History on the Chinese Loess Plateau. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	24
72	Constraining the Origins of the Magnetism of Lepidocrocite ( $\text{Fe}_3\text{FeOOH}$ ): A MÃ¶ssbauer and Magnetization Study. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	14

#	ARTICLE	IF	CITATIONS
73	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
74	Chemical Weathering Intensity and Terrigenous Flux in South China during the Last 90,000 Years—Evidence from Magnetic Signals in Marine Sediments. <i>Frontiers in Earth Science</i> , 0, 4, .	0.8	5
75	Factors Controlling Magnetism of Reddish Brown Soil Profiles from Calcarenites in Southern Spain: Dust Input or In-situ Pedogenesis?. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	7
76	Rock Magnetism of the Offshore Sediments of Lake Qinghai in the Western China. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	2
77	Magnetic properties in nearshore marine sediments off southern Chile. <i>JAMSTEC Report of Research and Development</i> , 2016, 23, 41-51.	0.2	2
81	Tracking the Historical Traces of Soil Pollution from an Iron-Sintering Plant by Using Magnetic Susceptibility in Wawa, Ontario, Canada. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	7
82	Solvothermal synthesis of mesoporous magnetite nanoparticles for Cr(IV) ions uptake and microwave absorption. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	2
83	Glacial activity reflected in a continuous lacustrine record since the early Holocene from the proglacial Laigu Lake on the southeastern Tibetan Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 456, 37-45.	1.0	23
84	Historic and ancient tsunamis uncovered on the Jalisco-Colima Pacific coast, the Mexican subduction zone. <i>Geomorphology</i> , 2016, 259, 90-104.	1.1	13
85	Seismic heating signatures in the Japan Trench subduction plate-boundary fault zone: evidence from a preliminary rock magnetic “geothermometer”. <i>Geophysical Journal International</i> , 2016, 205, 319-331.	1.0	16
86	Late Miocene—Pliocene Asian monsoon intensification linked to Antarctic ice-sheet growth. <i>Earth and Planetary Science Letters</i> , 2016, 444, 75-87.	1.8	86
87	Climatic thresholds for pedogenic iron oxides under aerobic conditions: Processes and their significance in paleoclimate reconstruction. <i>Quaternary Science Reviews</i> , 2016, 150, 264-277.	1.4	51
88	MAX UnMix: A web application for unmixing magnetic coercivity distributions. <i>Computers and Geosciences</i> , 2016, 95, 140-145.	2.0	201
89	Control of Earth-like magnetic fields on the transformation of ferrihydrite to hematite and goethite. <i>Scientific Reports</i> , 2016, 6, 30395.	1.6	18
90	Mineral magnetic characteristics of the late Quaternary coastal red sands of Bheemuni, East Coast (India). <i>Journal of Applied Geophysics</i> , 2016, 134, 77-88.	0.9	2
91	Magnetic susceptibility mapping of the Sudbury area, Ontario, Canada: evaluating pollution distributions decades later. <i>Canadian Journal of Earth Sciences</i> , 2016, 53, 466-484.	0.6	2
92	Framework for using deciduous tree leaves as biomonitors for intraurban particulate air pollution in exposure assessment. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 479.	1.3	12
93	Effective radium concentration in topsoils contaminated by lead and zinc smelters. <i>Science of the Total Environment</i> , 2016, 566-567, 865-876.	3.9	16

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94	Holocene glacial activity in <sc>B</sc>arilari <sc>B</sc>ay, west <sc>A</sc>ntarctic <sc>P</sc>eninsula, tracked by magnetic mineral assemblages: <sc>L</sc>inking ice, ocean, and atmosphere. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4553-4565.	1.0	6
95	Early Cretaceous Climate Changes Recorded in Magnetic Susceptibility and Color Index Variations of the Lower Liupanshan Group, Central China. <i>Acta Geologica Sinica</i> , 2016, 90, 1011-1023.	0.8	6
96	Precessional control on ocean productivity in the <sc>W</sc>estern <sc>P</sc>acific <sc>W</sc>arm <sc>P</sc>ool for the last 400 kyr: Insight from biogenic magnetite. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4399-4412.	1.0	12
97	Asian monsoon modulation of nonsteady state diagenesis in hemipelagic marine sediments offshore of <sc>J</sc>apan. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4383-4398.	1.0	22
98	Linking speleothem and soil magnetism in the Pau d'Alho cave (central South America). <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7024-7039.	1.4	24
99	Quantifying paleoprecipitation of the Luochuan and Sanmenxia Loess on the Chinese Loess Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 459, 121-130.	1.0	14
100	A persistent Holocene wetting trend in arid central Asia, with wettest conditions in the late Holocene, revealed by multi-proxy analyses of loess-paleosol sequences in Xinjiang, China. <i>Quaternary Science Reviews</i> , 2016, 146, 134-146.	1.4	261
101	Tracing acidification induced by Deccan Phase 2 volcanism. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 441, 181-197.	1.0	11
102	Magnetic and chemical parameters of andic soils and their relation to selected pedogenesis factors. <i>Catena</i> , 2016, 139, 179-190.	2.2	20
103	Soil magnetic properties in Bulgaria at a national scale—Challenges and benefits. <i>Global and Planetary Change</i> , 2016, 137, 107-122.	1.6	23
104	Medium-frequency electromagnetic device to measure electric conductivity and dielectric permittivity of soils. <i>Geophysics</i> , 2016, 81, E1-E16.	1.4	9
105	Environmental conditions for the presence of magnetofossils in the Last Glacial Maximum inferred from magnetic parameters of sediments from the Ulleung Basin, East Sea. <i>Marine Geology</i> , 2016, 372, 53-65.	0.9	3
106	Magnetic mineral assemblages in soils and paleosols as the basis for paleoprecipitation proxies: A review of magnetic methods and challenges. <i>Earth-Science Reviews</i> , 2016, 155, 28-48.	4.0	122
107	Rock-magnetic and geochemical characteristics of relict Vertisols—signs of past climate and recent pedogenic development. <i>Geophysical Journal International</i> , 2016, 205, 1437-1454.	1.0	7
108	The physics of wind-blown loess: Implications for grain size proxy interpretations in Quaternary paleoclimate studies. <i>Earth-Science Reviews</i> , 2016, 154, 247-278.	4.0	170
109	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.	1.0	26
110	Effects of crystallite size on the structure and magnetism of ferrihydrite. <i>Environmental Science: Nano</i> , 2016, 3, 190-202.	2.2	77
111	Occurrence of red clay horizon in soil profiles of the Yellow River Delta: Implications for accumulation of heavy metals. <i>Journal of Geochemical Exploration</i> , 2017, 176, 120-127.	1.5	17

#	ARTICLE	IF	CITATIONS
112	Magnetostratigraphic and environmental implications of greigite (Fe <sub>3</sub> S <sub>4</sub> ) formation from Hole U1433A of the IODP Expedition 349, South China Sea. <i>Marine Geology</i> , 2017, 394, 82-97.	0.9	17
113	Magnetism of a red soil core derived from basalt, northern Hainan Island, China: Volcanic ash versus pedogenesis. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 1677-1696.	1.4	23
114	Magnetic assessment and pollution status of beach sediments from Kerala coast (southwestern India). <i>Marine Pollution Bulletin</i> , 2017, 117, 171-177.	2.3	20
115	Soil metal pollution from former Zn-Pb mining assessed by geochemical and magnetic investigations: case study of the Bou Caid area (Tissemsilt, Algeria). <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	9
116	Elimination of aflatoxin B1 in vegetable oil based on immuno-magnetosomes probes from a novel magnetotactic bacterium. <i>Food Control</i> , 2017, 80, 319-326.	2.8	11
117	New evidence for the catastrophic demise of a prehistoric settlement (the Lajia Ruins) in the Guanting Basin, upper Yellow River, NW China. <i>Journal of Asian Earth Sciences</i> , 2017, 146, 134-141.	1.0	5
118	Sedimentary analysis and magnetic properties of Lake Anã³nima, Vega Island. <i>Antarctic Science</i> , 2017, 29, 429-444.	0.5	20
119	Magnetic susceptibility of surface soils in the Mu Us Desert and its environmental significance. <i>Aeolian Research</i> , 2017, 25, 127-134.	1.1	24
120	Benthic foraminiferal paleoecology and depositional patterns during the Albian at DSDP Site 327 (Falkland Plateau). <i>Journal of South American Earth Sciences</i> , 2017, 78, 126-133.	0.6	4
121	Sediment dynamics of an artificially deepened mesotidal coastal lagoon: An environmental magnetic investigation of Tauranga Harbour, New Zealand. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 194, 240-251.	0.9	7
122	Magnetic signature of the 22 <sc>J</sc>une 1932 tsunami deposits (<sc>J</sc>alisco,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 347 T 2370-2387.	1.0	3
123	Magnetic domain state diagnosis using hysteresis reversal curves. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 4767-4789.	1.4	65
124	Magnetic Properties as a Proxy for Predicting Fine-Particle-Bound Heavy Metals in a Support Vector Machine Approach. <i>Environmental Science &amp; Technology</i> , 2017, 51, 6927-6935.	4.6	33
125	Rock magnetic and geochemical evidence for authigenic magnetite formation via iron reduction in coal-bearing sediments offshore <sc>S</sc>himokita <sc>P</sc>eninsula, <sc>J</sc>apan (IODP) Tj ETQq1o1 0.784314 rgBT /	0.78	14
126	Magnetism of materials occurring in the environmentâ€”Basic overview. , 2017, , 1-28.		1
127	Magnetism of soils with a pronounced accumulation of organic matter in the mineral topsoil. , 2017, , 29-64.		0
128	Magnetism of soils with limitations to root growth. , 2017, , 221-285.		2
129	Biomagnetic Monitoring of Atmospheric Pollution: A Review of Magnetic Signatures from Biological Sensors. <i>Environmental Science &amp; Technology</i> , 2017, 51, 6648-6664.	4.6	80

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130	The discriminating power of soil magnetism for the characterization of different soil types. , 2017, , 349-365.		0
131	A kinetic model to explain the grain size and organic matter content dependence of magnetic susceptibility in transitional marine environments: A case study in <sc>R</sc>ia de <sc>M</sc>uros (<sc>NW</sc> <sc>I</sc>beria). Geochemistry, Geophysics, Geosystems, 2017, 18, 2200-2215.	1.0	5
132	Application of magnetic methods for assessment of soil restoration in the vicinity of metallurgical copper-processing plant in Bulgaria. Environmental Monitoring and Assessment, 2017, 189, 158.	1.3	9
133	Impact of grass cover on the magnetic susceptibility measurements for assessing metal contamination in urban topsoil. Environmental Research, 2017, 155, 294-306.	3.7	6
134	Rock magnetic investigation and its geological significance for vein&#x2013;type uranium deposits in southern <sc>C</sc>hina. Geochemistry, Geophysics, Geosystems, 2017, 18, 1333-1349.	1.0	5
135	Paleofloods records in Himalaya. Geomorphology, 2017, 284, 17-30.	1.1	49
136	Iron oxide characteristics of mid-Miocene Red Clay deposits on the western Chinese Loess Plateau and their paleoclimatic implications. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 468, 162-172.	1.0	21
137	Classical and exotic magnetism: Recent advances and perspectives. Low Temperature Physics, 2017, 43, 895-900.	0.2	5
138	Tracing Sediment Erosion in the Yangtze River Subaqueous Delta Using Magnetic Methods. Journal of Geophysical Research F: Earth Surface, 2017, 122, 2064-2078.	1.0	17
139	Flooding history of Lake Nakaumi, western Japan, inferred from sediment records spanning the past 700 years. Journal of Quaternary Science, 2017, 32, 1063-1074.	1.1	6
140	The &#x201c;Lagoa do Camargo 1&#x201c;Paleoindian site: some implications for tropical geomorphology, pedology, and paleoenvironments in southeastern Brazil. Geoarchaeology - an International Journal, 2017, 32, 662-677.	0.7	10
141	Tectonic, climatic, and diagenetic control of magnetic properties of sediments from Kumano Basin, Nankai margin, southwestern Japan. Marine Geology, 2017, 391, 1-12.	0.9	14
142	Frequency dependence of susceptibility in magnets with uniaxial and triaxial anisotropy. Journal of Geophysical Research: Solid Earth, 2017, 122, 7544-7561.	1.4	2
143	Overview of Methods in Paleomagnetism and Magnetostratigraphy for Terrestrial Strata. , 2017, , 209-236.		0
144	Anisotropy of magnetic susceptibility and rock magnetic applications in the Deccan volcanic province based on some case studies. Journal of the Geological Society of India, 2017, 89, 631-642.	0.5	12
145	Do rainfalls wash out anthropogenic airborne magnetic particulates?. Environmental Science and Pollution Research, 2017, 24, 9713-9722.	2.7	6
146	Frequency dependence of magnetic susceptibility as a proxy for fine-grained iron minerals and aggregate stability of south Chilean volcanic ash soils. Catena, 2017, 158, 46-54.	2.2	10
147	Magnetic properties of surface sediments as proxies of recent anthropogenic pollution in the Anl&#x2013;s riverbed (NW Spain). Environmental Earth Sciences, 2017, 76, 1.	1.3	7

#	ARTICLE	IF	CITATIONS
148	A mid- to late-Holocene record of vegetation decline and erosion triggered by monsoon weakening and human adaptations in the south-east Indian Peninsula. <i>Holocene</i> , 2017, 27, 1976-1987.	0.9	29
149	Paleomagnetic and paleoclimatic investigation at Laguna Melincue (Pampean Plains, Argentina): preliminary results. <i>Studia Geophysica Et Geodaetica</i> , 2017, 61, 318-335.	0.3	4
150	Sediment records of the influence of river damming on the dynamics of the Nelson and Churchill Rivers, western Hudson Bay, Canada, during the last centuries. <i>Holocene</i> , 2017, 27, 712-725.	0.9	11
151	Mid- to late Holocene climate response from the Triloknath palaeolake, Lahaul Himalaya based on multiproxy data. <i>Geomorphology</i> , 2017, 284, 206-219.	1.1	17
152	3D linear inversion of magnetic susceptibility data acquired by frequency domain EMI. <i>Journal of Applied Geophysics</i> , 2017, 136, 165-177.	0.9	14
153	The characteristics of environmental particulate matter in the urban area of Beijing, China, during the 2008 Olympic Games. <i>Atmospheric Pollution Research</i> , 2017, 8, 141-148.	1.8	10
154	Palaeomagnetic Geochronology of Quaternary Sequences in the Levant1. , 0, , 53-62.		0
155	Recent progress on rock and paleomagnetism by means of deepsea drilling. <i>Journal of the Geological Society of Japan</i> , 2017, 123, 251-264.	0.2	0
156	Hysteresis characteristics of subaerial deposits in the Baikal region. <i>Izvestiya, Physics of the Solid Earth</i> , 2017, 53, 783-794.	0.2	2
157	Magnetic mineralogical variability along Deccan trap basalt borehole (KBH07), Koyna deep continental drilling program, western Maharashtra, India. <i>Journal of the Geological Society of India</i> , 2017, 90, 769-775.	0.5	7
158	Response of pedogenic magnetite to changing vegetation in soils developed under uniform climate, topography, and parent material. <i>Scientific Reports</i> , 2017, 7, 17575.	1.6	30
159	A New Tool for Separating the Magnetic Mineralogy of Complex Mineral Assemblages from Low Temperature Magnetic Behavior. <i>Frontiers in Earth Science</i> , 2017, 5, .	0.8	29
160	Greigite formed in early Pleistocene lacustrine sediments from the Heqing Basin, southwest China, and its paleoenvironmental implications. <i>Journal of Asian Earth Sciences</i> , 2018, 156, 256-264.	1.0	10
161	The magnetic method as a tool to investigate the Werenskioldbreen environment (south-west) Tj ETQq1 1 0.784314,rgBT /Oyerlock 10	1.6	2
162	An Improved Algorithm for Unmixing First-Order Reversal Curve Diagrams Using Principal Component Analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1595-1610.	1.0	56
163	An Integrated Study of the Eolian Dust in Pelagic Sediments From the North Pacific Ocean Based on Environmental Magnetism, Transmission Electron Microscopy, and Diffuse Reflectance Spectroscopy. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 3358-3376.	1.4	45
164	Pre-Quaternary decoupling between Asian aridification and high dust accumulation rates. <i>Science Advances</i> , 2018, 4, eaao6977.	4.7	85
165	A high-resolution Holocene record of the East Asian summer monsoon variability in sediments from Mountain Ganhai Lake, North China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 508, 17-34.	1.0	5

#	ARTICLE	IF	CITATIONS
166	Recent Applications of Mineral Magnetic Methods in Sediment Pollution Studies: a Review. <i>Current Pollution Reports</i> , 2018, 4, 1-7.	3.1	13
167	Quantitative interpretation of the magnetic susceptibility frequency dependence. <i>Geophysical Journal International</i> , 2018, 213, 805-814.	1.0	8
168	A broad band magnetic susceptibility test study – The magnetic spectroscopy of a Neolithic ditch. <i>Journal of Archaeological Science: Reports</i> , 2018, 18, 139-150.	0.2	3
169	Magnetic, geochemical characterization and health risk assessment of road dust in Xuanwei and Fuyuan, China. <i>Environmental Geochemistry and Health</i> , 2018, 40, 1541-1555.	1.8	25
170	A Bayesian Approach to the Paleomagnetic Conglomerate Test. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 1132-1142.	1.4	7
171	Paleomagnetism and rock magnetism from sediments along a continental shelf-to-slope transect in the NW Barents Sea: Implications for geomagnetic and depositional changes during the past 15 thousand years. <i>Global and Planetary Change</i> , 2018, 160, 10-27.	1.6	13
172	Holocene valley incision in the southern BÃ¼kk foreland: Climate-human-environment interferences in northern Hungary. <i>Quaternary International</i> , 2018, 463, 91-109.	0.7	5
173	Provenance discrimination of sediments in the Zhejiang-Fujian mud belt, East China Sea: Implications for the development of the mud depocenter. <i>Journal of Asian Earth Sciences</i> , 2018, 151, 1-15.	1.0	62
174	Paleo-cold seep activity in the southern South China Sea: Evidence from the geochemical and geophysical records of sediments. <i>Journal of Asian Earth Sciences</i> , 2018, 168, 106-111.	1.0	33
175	Pleistocene climate change inferred from multi-proxy analyses of a loess-paleosol sequence in China. <i>Journal of Asian Earth Sciences</i> , 2018, 154, 428-434.	1.0	12
176	Mineral magnetic record of the Miocene-Pliocene climate transition on the Chinese Loess Plateau, North China. <i>Quaternary Research</i> , 2018, 89, 619-628.	1.0	6
177	Loess deposits since early Pleistocene in northeast China and implications for desert evolution in east China. <i>Journal of Asian Earth Sciences</i> , 2018, 155, 164-173.	1.0	9
178	Connection of the proto-Yangtze River to the East China Sea traced by sediment magnetic properties. <i>Geomorphology</i> , 2018, 303, 162-171.	1.1	17
179	Magnetic susceptibility characteristics of surface soils in the Xilingele grassland and their implication for soil redistribution in wind-dominated landscapes: A preliminary study. <i>Catena</i> , 2018, 163, 33-41.	2.2	14
180	Late Pleistocene paleolake evolution in the Hetao Basin, Inner Mongolia, China. <i>Quaternary International</i> , 2018, 464, 386-395.	0.7	14
181	Magnetic characterization of distinct soil layers and its implications for environmental changes in the coastal soils from the Yellow River Delta. <i>Catena</i> , 2018, 162, 245-254.	2.2	12
182	Microcodium in Chinese loess as a recorder for the oxygen isotopic composition of monsoonal rainwater. <i>Quaternary International</i> , 2018, 464, 364-369.	0.7	10
183	Rock magnetism of quartz and feldspars chemically separated from pelagic red clay: a new approach to provenance study. <i>Earth, Planets and Space</i> , 2018, 70, .	0.9	12

#	ARTICLE	IF	CITATIONS
184	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
185	Magnetic biomonitoring with moss bags to assess stop-and-go traffic induced particulate matter and heavy metal concentrations. <i>Atmospheric Environment</i> , 2018, 195, 187-195.	1.9	15
186	Applying the Burr Type XII Distribution to Decompose Remanent Magnetization Curves. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8298-8311.	1.4	11
187	Magnetic reversal frequency in the Lower Cambrian Niutitang Formation, Hunan Province, South China. <i>Geophysical Journal International</i> , 2018, 214, 1301-1312.	1.0	10
188	Luminescence dating and palaeomagnetic age constraint of a last glacial loess-palaeosol sequence from Istria, Croatia. <i>Quaternary International</i> , 2018, 494, 19-33.	0.7	20
189	Approaches and challenges to the study of loess—Introduction to the LoessFest Special Issue. <i>Quaternary Research</i> , 2018, 89, 563-618.	1.0	92
190	Eolian dust dispersal patterns since the last glacial period in eastern Central Asia: insights from a loess-paleosol sequence in the Ili Basin. <i>Climate of the Past</i> , 2018, 14, 271-286.	1.3	60
191	Global cooling and enhanced Eocene Asian mid-latitude interior aridity. <i>Nature Communications</i> , 2018, 9, 3026.	5.8	46
192	Paleosols identified by rock magnetic properties indicate dam-outburst events of the Min River, eastern Tibetan Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 508, 139-147.	1.0	5
193	Diversions of the Ribeira River Flow and Their Influence on Sediment Supply in the Cananeia-Iguape Estuarine-Lagoonal System (SE Brazil). <i>Frontiers in Earth Science</i> , 2018, 6, .	0.8	6
194	The Lower Toarcian Serrone Marls (Northern Apennines, Italy): A 3.5-Myr record of marl deposition in the aftermath of the T-OAE. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 508, 35-47.	1.0	7
195	78,000-year-old record of Middle and Later Stone Age innovation in an East African tropical forest. <i>Nature Communications</i> , 2018, 9, 1832.	5.8	78
196	Gradual late stage deepening of Gega ice-dammed lake, Tsangpo gorge, southeastern Tibet, indicated by preliminary sedimentary rock magnetic properties. <i>Acta Geophysica</i> , 2018, 66, 907-914.	1.0	4
197	Lacustrine mineral magnetic record of postglacial environmental changes from Dahu Swamp, southern China. <i>Global and Planetary Change</i> , 2018, 170, 62-75.	1.6	8
198	Magnetic characteristics of sediments from a radial sand ridge field in the South Yellow Sea, eastern China, and environmental implications during the mid- to late-Holocene. <i>Journal of Asian Earth Sciences</i> , 2018, 163, 224-234.	1.0	17
199	Source apportionment of soil-contamination in Baotou City (North China) based on a combined magnetic and geochemical approach. <i>Science of the Total Environment</i> , 2018, 642, 95-104.	3.9	39
200	Environmental Magnetism and Heavy Metal Assemblages in Lake Bottom Sediments, Anchar Lake, Srinagar, NW Himalaya, India. <i>International Journal of Environmental Research</i> , 2018, 12, 489-502.	1.1	18
201	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.	0.7	5

#	ARTICLE	IF	CITATIONS
202	Discerning the major environmental processes that influence the magnetic properties in three northern Iberia mountain lakes. <i>Catena</i> , 2019, 182, 104130.	2.2	4
203	Detection of Strong Precession Cycles from the Late Pliocene Sedimentary Records of Northeastern Tibetan Plateau. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3901-3912.	1.0	15
204	Magnetic mineral tracing of sediment provenance in the central Bengal Fan. <i>Marine Geology</i> , 2019, 415, 105955.	0.9	10
205	The magnetic susceptibility analyzes of Motonuno lake sediment in Muna Regency, Southeast Sulawesi, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 311, 012037.	0.2	0
206	Rock-magnetic and color characteristics of archaeological samples from burnt clay from destructions and ceramics in relation to their firing temperature. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 3595-3612.	0.7	22
207	Magnetic signatures of natural and anthropogenic sources of urban dust aerosol. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 731-745.	1.9	33
208	New insights into the magnetic characteristics of high mountain loess in Central Asia and its paleoclimatic implications. <i>Quaternary International</i> , 2019, 502, 71-77.	0.7	8
209	Magnetic characteristics of atmospheric dustfall in a subtropical monsoon climate zone of China and its environmental implications: A case study of Nanjing. <i>Atmospheric Environment</i> , 2019, 212, 231-238.	1.9	8
210	Late Pleistocene Chronology of Sediments From the Yermak Plateau and Uncertainty in Dating Based on Geomagnetic Excursions. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3289-3310.	1.0	18
211	Environmental magnetism data of Brantas River bulk surface sediments, Jawa Timur, Indonesia. <i>Data in Brief</i> , 2019, 25, 104092.	0.5	7
212	Effects of adsorbed inorganic anions on the magnetic properties of calcination-prepared porous maghemite. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 751-758.	0.3	1
213	Rapid magnetic susceptibility measurement for obtaining superficial soil layer thickness and its erosion monitoring implications. <i>Geoderma</i> , 2019, 351, 163-173.	2.3	17
214	Sources of the Paleomagnetic Signal in Iron-Rich Marine Sedimentary Rocks. <i>Doklady Chemistry</i> , 2019, 486, 122-125.	0.2	0
215	Heavy metal contents and magnetic properties of surface sediments in volcanic and tropical environment from Brantas River, Jawa Timur Province, Indonesia. <i>Science of the Total Environment</i> , 2019, 675, 632-641.	3.9	52
216	Magnetism of cave sediments. , 2019, , 658-664.		2
217	A High-Resolution Geomagnetic Relative Paleointensity Record From the Arctic Ocean Deep-Water Gateway Deposits During the Last 60 kyr. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 2355-2377.	1.0	13
218	Diagenesis and iron paleo-redox proxies: New perspectives from magnetic and iron speciation analyses in the Santa Barbara Basin. <i>Chemical Geology</i> , 2019, 519, 95-109.	1.4	11
219	Magnetic mineral diagenesis in sediments of saline lake Lop Nur. <i>Journal of Mountain Science</i> , 2019, 16, 548-560.	0.8	1

#	ARTICLE	IF	CITATIONS
220	Paleoenvironmental signature of the Selandian-Thanetian Transition Event (STTE) and Early Late Paleocene Event (ELPE) in the Contessa Road section (western Neo-Tethys). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 523, 62-77.	1.0	12
221	Miocene Glacial Dynamics Recorded by Variations in Magnetic Properties in the ANDRILL Drill Core. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 2297-2312.	1.4	9
222	Reduction and transformation of nanomagnetite and nanomaghemite by a sulfate-reducing bacterium. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 256, 66-81.	1.6	16
223	Fluxgate three-component magnetometers for cost-effective ground, UAV and airborne magnetic surveys for industrial and academic geoscience applications and comparison with current industrial standards through case studies. <i>Geomechanics for Energy and the Environment</i> , 2019, 20, 100117.	1.2	30
224	Temporal changes in magnetic signal of burnt soils – A compelling three years pilot study. <i>Science of the Total Environment</i> , 2019, 669, 729-738.	3.9	15
225	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.	1.4	27
226	Frontiers of magnetic force microscopy. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	156
227	A rock magnetic fingerprint of hydrothermal alteration in volcanic rocks - An example from the Los Azufres Geothermal Field, Mexico. <i>Journal of South American Earth Sciences</i> , 2019, 91, 260-271.	0.6	7
228	The evolution of the Levantine Iron Age geomagnetic Anomaly captured in Mediterranean sediments. <i>Earth and Planetary Science Letters</i> , 2019, 511, 55-66.	1.8	16
229	A new perspective for the sediment provenance evolution of the middle Okinawa Trough since the last deglaciation based on integrated methods. <i>Earth and Planetary Science Letters</i> , 2019, 528, 115839.	1.8	25
230	The origin of the magnetic record in Eocene-Miocene coarse-grained sediments deposited in hyper-arid/arid conditions: Examples from the Atacama Desert. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 516, 322-335.	1.0	6
231	Tracking the occurrence of anthropogenic magnetic particles and potentially toxic elements (PTEs) in house dust using magnetic and geochemical analyses. <i>Environmental Pollution</i> , 2019, 245, 909-920.	3.7	30
232	Aeolian accumulation: An alternative origin of laterite on the Deccan Plateau, India. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 518, 34-44.	1.0	13
233	Clumped isotope paleotemperatures from MIS 5 soil carbonates in southern Hungary. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 518, 72-81.	1.0	14
234	Climate-induced discharge variations of the Nile during the Holocene: Evidence from the sediment provenance of Faiyum Basin, north Egypt. <i>Global and Planetary Change</i> , 2019, 172, 200-210.	1.6	15
235	Landscape instability at the end of MIS 3 in western Central Europe: evidence from a multi proxy study on a Loess-Palaeosol-Sequence from the eastern Lower Rhine Embayment, Germany. <i>Quaternary International</i> , 2019, 502, 119-136.	0.7	17
236	Deep-water bottom current evolution in the northern South China Sea during the last 150 kyr: Evidence from sortable-silt grain size and sedimentary magnetic fabric. <i>Journal of Asian Earth Sciences</i> , 2019, 171, 78-87.	1.0	6
237	A late Pleistocene sedimentation in the Indus Fan, Arabian Sea, IODP Site U1457. <i>Geological Magazine</i> , 2020, 157, 920-928.	0.9	7

#	ARTICLE	IF	CITATIONS
238	Paleoenvironmental shifts spanning the last ~6000 years and recent anthropogenic controls inferred from a high-altitude temperate lake: Anchar Lake, NW Himalaya. <i>Holocene</i> , 2020, 30, 23-36.	0.9	32
239	Review of recent developments in aeolian dust signals of sediments from the North Pacific Ocean based on magnetic minerals. <i>Geological Magazine</i> , 2020, 157, 790-805.	0.9	9
241	Magnetic mineral dissolution recorded in a lacustrine sequence from the Heqing Basin, SW China, and its relationship with changes in the Indian monsoon. <i>Journal of Asian Earth Sciences</i> , 2020, 188, 104081.	1.0	6
242	Humidity variations spanning the "Little Ice Age" from an upland lake in southwestern China. <i>Holocene</i> , 2020, 30, 289-299.	0.9	4
243	Magnetic parameters as proxies for anthropogenic pollution in water reservoir sediments from Mexico: An interdisciplinary approach. <i>Science of the Total Environment</i> , 2020, 700, 134343.	3.9	20
244	Leaf accumulation of atmospheric dust: Biomagnetic, morphological and elemental evaluation using SEM, ED-XRF and HR-ICP-MS. <i>Atmospheric Environment</i> , 2020, 221, 117082.	1.9	27
245	Evolution of a deep-water ferromanganese nodule in the South China Sea in response to Pacific deep-water circulation and continental weathering during the Plio-Pleistocene. <i>Quaternary Science Reviews</i> , 2020, 229, 106106.	1.4	4
246	Diversity and peculiarities of soil formation in eolian landscapes " Insights from the mineral magnetic records. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115956.	1.8	11
247	High-resolution climatic (monsoonal) variability reconstructed from a continuous ~2700-year sediment record from Northwest Himalaya (Ladakh). <i>Holocene</i> , 2020, 30, 441-457.	0.9	19
248	Comparative Rock Magnetic Study of Eocene Volcanogenic and Sedimentary Rocks From Yunnan, Southeastern Tibetan Plateau, and Its Geological Implications. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB017946.	1.4	5
249	East Asian monsoon evolution since the late Miocene from the South China Sea. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115960.	1.8	35
250	Mineral Magnetic and Geochemical Mapping of the Wular Lake Sediments, Kashmir Valley, NW Himalaya. <i>Aquatic Geochemistry</i> , 2020, 26, 31-52.	1.5	7
251	Elemental and magnetic analyses, source identification, and oxidative potential of airborne, passive, and street dust particles in Asaluyeh County, Iran. <i>Science of the Total Environment</i> , 2020, 707, 136132.	3.9	26
252	Multidisciplinary characterization of Quaternary mass movement deposits in the Portimão Bank (Gulf of Guinea). <i>Journal of Quaternary Science</i> , 2020, 35, 100577.	0.9	7
253	Environmental magnetic evidence for enhanced aridification in the Tarim Basin since ~5.3 Ma, NW China. <i>Journal of Asian Earth Sciences</i> , 2020, 189, 104181.	1.0	9
254	Continental-scale magnetic properties of surficial Australian soils. <i>Earth-Science Reviews</i> , 2020, 203, 103028.	4.0	9
255	Holocene climate recorded by magnetic properties of lake sediments in the Northern Rocky Mountains, USA. <i>Holocene</i> , 2020, 30, 479-484.	0.9	3
256	Magnetic fabric of loess and its significance in Pleistocene environment reconstructions. <i>Earth-Science Reviews</i> , 2020, 210, 103385.	4.0	12

#	ARTICLE	IF	CITATIONS
257	Correlation patterns between magnetic parameters and heavy metals of core sediments in the Yellow River Estuary and their environmental implications. <i>Marine Pollution Bulletin</i> , 2020, 160, 111590.	2.3	13
258	Causation and mechanism of magnetic susceptibility trend in Upper Miocene–Pliocene red clay deposits of the eastern Chinese Loess Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 560, 110014.	1.0	3
259	Faulting Processes Unveiled by Magnetic Properties of Fault Rocks. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000690.	9.0	16
260	Fine air pollution particles trapped by street tree barks: In situ magnetic biomonitoring. <i>Environmental Pollution</i> , 2020, 266, 115229.	3.7	27
261	Misinterpreting proxy data for paleoclimate signals: A comment on Shukla et al. 2020. <i>Holocene</i> , 2020, 30, 1866-1873.	0.9	4
262	Combined chronological and mineral magnetic approaches to reveal age variations and stratigraphic heterogeneity in the Yangtze River subaqueous delta. <i>Geomorphology</i> , 2020, 359, 107163.	1.1	10
263	Different Enrichment Patterns of Magnetic Particles Modulated by Primary Iron–Phosphorous Input. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090439.	1.5	3
264	Revisiting Alice Boer: Site formation processes and dating issues of a supposedly pre-Clovis site in Southeastern Brazil. <i>Geoarchaeology - an International Journal</i> , 2022, 37, 32-58.	0.7	6
265	Neogene climate evolution of the Tarim Basin, NW China: Evidence from environmental magnetism of the southern Tian Shan foreland. <i>Global and Planetary Change</i> , 2020, 194, 103314.	1.6	5
266	Rock magnetic record of core SG-3 since 1 Ma in the western Qaidam Basin and its paleoclimate implications for the NE Tibetan Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 560, 109949.	1.0	7
267	Identification of magnetic minerals in the peatlands cores from Lake Diatas West Sumatra, Indonesia. <i>Journal of Physics: Conference Series</i> , 2020, 1481, 012019.	0.3	0
268	The Late Pleistocene-Holocene sedimentary evolution of the Sines Contourite Drift (SW Portuguese) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.0	3
269	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.	1.4	7
270	Exploring Offshore Sediment Evidence of the 1755 CE Tsunami (Faro, Portugal): Implications for the Study of Outer Shelf Tsunami Deposits. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 731.	0.8	6
271	IRMITs: A MATLAB program for analyzing isothermal remanent magnetization (IRM) data. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	4
272	Benchmarking Component Analysis of Remanent Magnetization Curves With a Synthetic Mixture Series: Insight Into the Reliability of Unmixing Natural Samples. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020105.	1.4	6
273	Multidisciplinary Study of Subsidence and Sinkhole Occurrences in the Acque Albule Basin (Roma,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	2
274	Misinterpreting proxy data for paleoclimate signals: A reply to Srivastava and Jovane, 2020. <i>Holocene</i> , 2020, 30, 1874-1883.	0.9	1

#	ARTICLE	IF	CITATIONS
275	Magnetic characteristics of lake sediments in Qiangyong Co Lake, southern Tibetan Plateau and their application to the evaluation of mercury deposition. <i>Journal of Chinese Geography</i> , 2020, 30, 1481-1494.	1.5	2
276	A high-resolution sediment record of East Asian summer monsoon from the northern South China Sea spanning the past 7500 years. <i>Holocene</i> , 2020, 30, 1669-1680.	0.9	6
277	Classification of a Complexly Mixed Magnetic Mineral Assemblage in Pacific Ocean Surface Sediment by Electron Microscopy and Supervised Magnetic Unmixing. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	23
278	A multi-proxy approach for reconstructing environmental dynamics since the mid Holocene in Lake Ismarida (Thrace, N. Greece). <i>Revue De Micropaleontologie</i> , 2020, 68, 100443.	0.8	5
279	Magnetic characteristics of Guangshan loess from northern piedmont of Dabie Mountains, east-central China. <i>Geophysical Journal International</i> , 2020, 222, 1213-1223.	1.0	2
280	Rock magnetism of carbonate systems—investigating palaeodune archives on Fuerteventura (Canary) Tj ETQq1 1 0,784314 fgBT /Over	1.1	1
281	Magnetic evidence for Yellow River sediment in the late Holocene deposit of the Yangtze River Delta, China. <i>Marine Geology</i> , 2020, 427, 106274.	0.9	20
282	Soil magnetic signature for identification of areas with different sorption potentials of imazaquin. <i>Crop Protection</i> , 2020, 137, 105295.	1.0	1
283	Lacustrine Record of 1954 Flood Event on Begnas and Rupa Lake, Central Nepal. <i>Acta Geologica Sinica</i> , 2020, 94, 717-724.	0.8	1
284	New Rock- and Paleomagnetic Data on Quaternary Deposits of the Tologoi Key Section, Western Transbaikalia, and Their Paleoclimatic Implications. <i>Izvestiya, Physics of the Solid Earth</i> , 2020, 56, 392-412.	0.2	6
285	Late Quaternary loess accumulation at the Rudak section in Uzbekistan, central Asia: Chronology and palaeoclimate implications. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 547, 109695.	1.0	15
286	Experimental determination of remanent magnetism of dusty ice deposits. <i>Earth and Planetary Science Letters</i> , 2020, 545, 116408.	1.8	0
287	The Effect of Early Diagenesis in Methanic Sediments on Sedimentary Magnetic Properties: Case Study From the SE Mediterranean Continental Shelf. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	11
288	Geochemical and magnetic data on anthropogenic ashes from municipal solid waste incineration (MSWI). <i>Data in Brief</i> , 2020, 31, 105728.	0.5	1
289	Spatial distribution of magnetic material in urban road dust classified by land use and type of road in San Luis Potosí, Mexico. <i>Air Quality, Atmosphere and Health</i> , 2020, 13, 951-963.	1.5	12
290	Iron oxide characteristics of the Chinese loess-red clay sequences and their implications for the evolution of the East Asian summer monsoon since the Late Oligocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 543, 109604.	1.0	23
291	Genesis of magnetic anomalies and magnetic properties of archaeological sediments in floodplain wetlands of the Fossa Carolina. <i>Archaeological Prospection</i> , 2020, 27, 169-180.	1.1	5
292	Suitability of magnetic proxies to reflect complex anthropogenic spatial and historical soil heavy metal pollution in the southeast Nile delta. <i>Catena</i> , 2020, 191, 104552.	2.2	15

#	ARTICLE	IF	CITATIONS
293	A new weathering indicator from high-temperature magnetic susceptibility measurements in an Argon atmosphere. <i>Geophysical Journal International</i> , 2020, 221, 2010-2025.	1.0	9
294	Centennial-scale interplay between the Indian Summer Monsoon and the Westerlies revealed from Ngamring Co, southern Tibetan Plateau. <i>Holocene</i> , 2020, 30, 1163-1173.	0.9	26
295	Formation and migration of magnetic particles associated with iron oxide transformation at a hillslope scale. <i>Catena</i> , 2021, 197, 104944.	2.2	7
296	High-resolution late Middle Pleistocene paleoclimatic record from the Galer�a Complex, Atapuerca archaeological site, Spain - An environmental magnetic approach. <i>Quaternary Science Reviews</i> , 2021, 251, 106721.	1.4	5
297	Magnetic properties of surface sediments in Schirmacher Oasis, East Antarctica: spatial distribution and controlling factors. <i>Journal of Soils and Sediments</i> , 2021, 21, 1206-1221.	1.5	13
298	High-Resolution Environmental Magnetism Using the Quantum Diamond Microscope (QDM): Application to a Tropical Speleothem. <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	9
299	Atlantic meridional overturning circulation modulation of late Pleistocene to middle Holocene Asian summer monsoon variability and palaeoanthropological implications. <i>Oxford Open Climate Change</i> , 2021, 1, .	0.6	0
300	Magnetic signature of sewage polluted river sediments. <i>Geosciences Journal</i> , 2021, 25, 685-696.	0.6	2
301	How strong was pedogenesis in Schirmacher Oasis during the Late Quaternary?. <i>Polar Science</i> , 2021, 30, 100636.	0.5	6
302	Trace and major minerals of (natural and manufactured) sand: the importance of manufactured sand for construction purposes and the preservation of rivers. <i>Innovative Infrastructure Solutions</i> , 2021, 6, 1.	1.1	2
303	Magnetic Susceptibility Properties of Loess From the Willendorf Archaeological Site: Implications for the Syn/Post-Depositional Interpretation of Magnetic Fabric. <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	8
304	Fluid Accumulation, Migration and Anaerobic Oxidation of Methane Along a Major Splay Fault at the Hikurangi Subduction Margin (New Zealand): A Magnetic Approach. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020671.	1.4	6
305	Mineral magnetic and XRD spectroscopic studies to investigate the firing temperatures of archeological potsherds. <i>Journal of Archaeological Science: Reports</i> , 2021, 35, 102759.	0.2	0
306	Environmental magnetism study during the Mid-Late Holocene transition and its cultural implications in Mesoamerica. <i>Quaternary International</i> , 2021, 577, 112-130.	0.7	2
307	A Multi-Proxy Approach to Unravel Late Pleistocene Sediment Flux and Bottom Water Conditions in the Western South Atlantic Ocean. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004058.	1.3	11
308	Chronostratigraphy of a 270-ka sediment record from Lake Selina, Tasmania: Combining radiometric, geomagnetic and climatic dating. <i>Quaternary Geochronology</i> , 2021, 62, 101152.	0.6	4
309	Authigenic Iron Sulfides Indicate Sea-Level Change on the Continental Shelf: An Illustration From the East China Sea. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021222.	1.4	3
310	Diagenesis of Magnetic Minerals in Active/Relict Methane Seep: Constraints From Rock Magnetism and Mineralogical Records From Bay of Bengal. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	10

#	ARTICLE	IF	CITATIONS
311	Changes in organic carbon fractions and sources in deltaic topsoil and subsoil layers: autochthonous and allochthonous inputs. <i>European Journal of Soil Science</i> , 2021, 72, 2276-2291.	1.8	4
312	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
313	Color as a New Proxy Technique for the Identification of Road Dust Samples Contaminated with Potentially Toxic Elements: The Case of Mérida, Yucatán, México. <i>Atmosphere</i> , 2021, 12, 483.	1.0	7
314	Miocene to Early Pleistocene Depositional History and Tectonic Evolution of the Issyk-Kul Basin, Central Tian Shan. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009556.	1.0	3
315	Magnetic Properties of a Holocene Sediment Core from the Yeongsan Estuary, Southwest Korea: Implications for Diagenetic Effects and Availability as Paleoenvironmental Proxies. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	6
316	Attraction in the Dark: The Magnetism of Speleothems. <i>Elements</i> , 2021, 17, 113-118.	0.5	3
317	Magnetostratigraphy and cosmogenic dating of Wonderwerk Cave: New constraints for the chronology of the South African Earlier Stone Age. <i>Quaternary Science Reviews</i> , 2021, 259, 106907.	1.4	20
318	Evaluation of riverbed magnetic susceptibility for mapping biogeochemical hot spots in groundwater-impacted rivers. <i>Hydrological Processes</i> , 2021, 35, e14184.	1.1	4
319	Expedition 382 methods. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	7
320	Paleoenvironmental Evolution and Sea Level Change in Saronikos Gulf (Aegean Sea, Greece): Evidence from the Piraeus Coastal Plain and Elefsis Bay Sedimentary Records. <i>Water (Switzerland)</i> , 2021, 13, 1621.	1.2	5
321	An environmental magnetic record of heavy metal pollution in Vembanad lagoon, southwest coast of India. <i>Marine Pollution Bulletin</i> , 2021, 167, 112344.	2.3	7
322	Updating the significance and paleoclimate implications of magnetic susceptibility of Holocene loessic soils. <i>Geoderma</i> , 2021, 391, 114982.	2.3	15
323	Formation Processes of the Late Pleistocene Site Toca da Janela da Barra do Antonião “Piauí” (Brazil). <i>PaleoAmerica</i> , 2021, 7, 260-279.	0.4	6
324	Controls of mass transport deposit and magnetic mineral diagenesis on the sediment magnetic record from the Bay of Bengal. <i>Marine and Petroleum Geology</i> , 2021, 128, 104994.	1.5	5
325	Rock magnetic study of grave infill as a key to understanding magnetic anomalies on burial ground. <i>Archaeological Prospection</i> , 0, , .	1.1	4
326	A magnetic approach to unravelling the paleoenvironmental significance of nanometer-sized Fe hydroxide in NW Pacific ferromanganese deposits. <i>Earth and Planetary Science Letters</i> , 2021, 565, 116945.	1.8	10
327	Relationship between soil magnetic susceptibility enhancement and precipitation in Cretaceous paleosols. <i>Studia Geophysica Et Geodaetica</i> , 0, , 1.	0.3	0
328	Magnetic Fractions of PM <sub>2.5</sub> , PM <sub>2.5-10</sub> , and PM <sub>10</sub> from Coal Fly Ash as Environmental Pollutants. <i>ACS Omega</i> , 2021, 6, 20076-20085.	1.6	6

#	ARTICLE	IF	CITATIONS
329	Rock magnetic properties of Grand Lake sediments as evidence of environmental changes during the last 60,000 years in North-East Russia. <i>Boreas</i> , 2021, 50, 1027-1042.	1.2	6
330	A 43-ka mineral magnetic record of environmental variations from lacustrine sediments of Schirmacher Oasis, East Antarctica. <i>Catena</i> , 2021, 202, 105300.	2.2	9
331	Magnetic properties and its application in the prediction of potentially toxic elements in aquatic products by machine learning. <i>Science of the Total Environment</i> , 2021, 783, 147083.	3.9	5
332	Rock magnetic evidence of tectonic control on the sedimentation and diagenesis in the Andaman Sea over ~1 million years. <i>Marine and Petroleum Geology</i> , 2021, 130, 105150.	1.5	3
333	Rock magnetic evidence for a middle Holocene transition in marine sediments from La Paz basin, southern Gulf of California. <i>Journal of South American Earth Sciences</i> , 2021, 109, 103173.	0.6	1
334	Spatial patterns of magnetic susceptibility optimized by anisotropic correction in different Alisols in southern Amazonas, Brazil. <i>Precision Agriculture</i> , 2022, 23, 419-449.	3.1	3
335	Paleoenvironmental evolution of the Aptian Romualdo Formation, Araripe Basin, Northeastern Brazil. <i>Global and Planetary Change</i> , 2021, 203, 103528.	1.6	17
336	High-resolution palaeoenvironmental reconstruction at Zmajevac (Croatia) over the last three glacial/interglacial cycles. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 576, 110504.	1.0	10
337	Relative paleointensity correction of radiocarbon reservoir effect for lacustrine sediments on the northeast Tibetan Plateau. <i>Quaternary Geochronology</i> , 2021, 65, 101193.	0.6	5
338	Indian summer monsoon variability over last 2000 years inferred from sediment magnetic characteristics in Lugu Lake, southwest China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 578, 110581.	1.0	4
339	Isolating Detrital and Diagenetic Signals in Magnetic Susceptibility Records From Methane-Bearing Marine Sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009867.	1.0	6
340	Environmental magnetic fingerprinting of anthropogenic and natural atmospheric deposition over southwestern Europe. <i>Atmospheric Environment</i> , 2021, 261, 118568.	1.9	6
341	Aeolian dust dynamics in the Fergana Valley, Central Asia, since ~30 ka inferred from loess deposits. <i>Geoscience Frontiers</i> , 2021, 12, 101180.	4.3	22
342	Sediment distribution and dispersal in the southern South China Sea: Evidence from clay minerals and magnetic properties. <i>Marine Geology</i> , 2021, 439, 106560.	0.9	11
343	Quantifying Contributions of Magnetic Inclusions Within Silicates to Marine Sediments: A Dissolution Approach to Isolating Volcanic Signals for Improved Paleoenvironmental Reconstruction. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022680.	1.4	7
344	A Combined Rock Magnetic and Meteorological Investigation of the Precipitation Boundary Across the Tibetan Plateau. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094808.	1.5	3
345	Pedogenic or anthropogenic? An approach to evaluate fragipan and redox features in paleosols of NE China. <i>Geoderma Regional</i> , 2021, 26, e00410.	0.9	3
346	Assessing anthropogenic contribution in highly magnetic forest soils developed on basalts using magnetic susceptibility and concentration of elements. <i>Catena</i> , 2021, 206, 105480.	2.2	7

#	ARTICLE	IF	CITATIONS
347	Relationship between lake salinity and the climatic gradient in northeastern China and its implications for studying climate change. <i>Science of the Total Environment</i> , 2022, 805, 150403.	3.9	9
348	Deciphering the changing climate and environment around Ny-Ålesund, Svalbard, since the Last Glacial Maximum: a multiproxy approach. , 2021, , 49-78.		0
350	The chert from the Castellat Formation (south-central Pyrenees): archaeometric characterisation and archaeological implications. <i>Archaeological and Anthropological Sciences</i> , 2018, 10, 1329-1346.	0.7	7
351	The geochemical and mineralogical fingerprint of West Antarctica's weak underbelly: Pine Island and Thwaites glaciers. <i>Chemical Geology</i> , 2020, 550, 119649.	1.4	10
352	Magnetic matrix effects on NMR relaxation times in sandstones: A case study in Solimões Basin. <i>Journal of Applied Geophysics</i> , 2020, 179, 104081.	0.9	5
353	Moisture evolution in Central Asia since 26 ka: Insights from a Kyrgyz loess section, Western Tian Shan. <i>Quaternary Science Reviews</i> , 2020, 249, 106604.	1.4	22
354	Unmixing biogenic and terrigenous magnetic mineral components in red clay of the Pacific Ocean using principal component analyses of first-order reversal curve diagrams and paleoenvironmental implications. <i>Earth, Planets and Space</i> , 2020, 72, .	0.9	23
355	Site U1517. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	14
356	Expedition 372B/375 methods. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	18
357	Site U1518. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	16
358	Experimental Investigation of Stitched and Unstitched Bamboo Fiber Using Sugarcane Powder. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
359	Propiedades geoquímicas y magnéticas de sedimentos como indicadores de contaminación. Caso de estudio: Río Suquia, Córdoba, Argentina. <i>Revista Mexicana De Ciencias Geológicas</i> , 2019, 36, 183-194.	0.2	2
360	Rock Magnetism of Late Cretaceous to Middle Eocene Strata in the Lesser Himalaya, Western Nepal: Inferences Regarding the Paleoenvironment. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	0
361	Early Paleocene Paleooceanography and Export Productivity in the Chicxulub Crater. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004241.	1.3	4
362	Loess-palaeosol sequences in diverse environments: Aeolian accumulation identification and magnetic susceptibility models. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 584, 110683.	1.0	7
363	Complex Ecological-Geochemical Assessment of Territories with Technogenic Pollution. <i>Mineralogic Journal (Ukraine)</i> , 2016, 38, 88-95.	0.0	3
364	Magnetic and pedological characterisation of a paleosol under aridic conditions in Spain. <i>Studia Geophysica Et Geodaetica</i> , 2018, 62, 139-166.	0.3	1
365	Review of Research and Application of Soil Magnetic Susceptibility. <i>Open Journal of Natural Science</i> , 2019, 07, 456-463.	0.1	0

#	ARTICLE	IF	CITATIONS
367	ULTRAFINE MAGNETIC PARTICLES CHARACTERIZATION AS A PROXY OF BIOGEOCHEMICAL PROCESSES AT A BROWNFIELD. , 2019, , .		0
368	Environmental history recorded over the last 70 years in Biá»fn Há»“ maar sediment, Central Highlands of Vietnam. Quaternary International, 2020, , .	0.7	7
370	Eccentricity forcing of East Asian monsoonal systems over the past 3 million years. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	24
371	Enhanced aridity in the source region of the Yangtze River since 5.8 ka revealed by the sediments of Saiyong Co. Quaternary International, 2022, 613, 81-90.	0.7	7
372	Early-€middle Eocene hydroclimate variations recorded by environmental magnetism in the Linxia Basin, NE Tibetan Plateau. Paleoceanography and Paleoclimatology, 0, , .	1.3	3
373	Particle-size dependent magnetic property variations in the Yangtze delta sediments of late Holocene: Effects of pedogenesis and diagenesis. Catena, 2022, 209, 105832.	2.2	1
374	Source characterization of suspended sediments transported from debris-covered Chorabari Glacier in Central Himalaya, India. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	1
375	Environmental magnetism evidence for longshore drift distribution of F<sc>e</sc>-bearing phases: An example from the Brazilian southeastern coastal region. Journal of Sedimentary Research, 2021, 91, 1133-1150.	0.8	0
376	Los parÁ;metros magnÃ©ticos como indicadores de contaminaciÃ³n por elementos mayores y plomo en suelos urbanos del Valle de AburrÃ¡, Colombia. Revista Mexicana De Ciencias GeolÃ³gicas, 2020, 37, 224-236.	0.2	1
377	Late Maastrichtian vegetation and palaeoclimate: Palynological inferences from the Deccan Volcanic Province of India. Cretaceous Research, 2022, 133, 105126.	0.6	8
378	Magnetic fabrics and magnetic mineralogical variations in Lava Channel: An example from the Deccan Volcanic Province, India. Journal of Earth System Science, 2022, 131, 1.	0.6	5
379	The Magnetic and Color Reflectance Properties of Hematite: From Earth to Mars. Reviews of Geophysics, 2022, 60, .	9.0	37
380	Magnetic Properties of the Ganzi Loess and Their Implications for Precipitation History in the Eastern Tibetan Plateau Since the Last Interglacial. Paleoceanography and Paleoclimatology, 2022, 37, .	1.3	10
381	Diagenetic dissolution, maghemitization and sulphidization of magnetic minerals in rapidly deposited gas hydrate bearing sediments from the Bay of Bengal. Marine and Petroleum Geology, 2022, 139, 105585.	1.5	1
382	Determination of the optimized late Pleistocene chronology of a lacustrine sedimentary core from the Heqing Basin by geomagnetic paleointensity and its paleoclimate significance. Catena, 2022, 212, 106095.	2.2	3
383	Changes in Magnetic Properties of Magnetite Nanoparticles Upon Microbial Iron Reduction. Geochemistry, Geophysics, Geosystems, 2022, 23, .	1.0	1
384	Magnetic properties of core sediments from an alpine lake in Southwest China: implications for glacier melting. Journal of Paleolimnology, 2022, 67, 345-357.	0.8	1
385	Orbital Forcing of Climatic Changes on the Central Tibetan Plateau Reveals Late Oligocene to Early Miocene South Asian Monsoon Evolution. Geophysical Research Letters, 2022, 49, .	1.5	5

#	ARTICLE	IF	CITATIONS
386	Oligocene moisture variations as evidenced by an aeolian dust sequence in Inner Mongolia, China. <i>Scientific Reports</i> , 2022, 12, 5597.	1.6	5
387	A combined study of magnetic, granulometric and geochemical properties from lacustrine sediment in the arid Central Asia: Implications for paleoenvironmental variations. <i>Journal of Applied Geophysics</i> , 2022, 199, 104589.	0.9	0
388	Microbially Induced Anaerobic Oxidation of Magnetite to Maghemite in a Hydrocarbon-Contaminated Aquifer. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	2
389	Human-induced sediment degradation of Burullus lagoon, Nile Delta, Egypt: Heavy metals pollution status and potential ecological risk. <i>Marine Pollution Bulletin</i> , 2022, 178, 113566.	2.3	21
393	å¸¸°ç¸¸ç¸¸  æ¸¸ç¸¸,æ¸¸å¸¸—ç¸¸¼~å¸¸æ—°è¸¸ç¸¸æ¸¸,,é¸¸æ—°è¸¸½-ã¸¸ž¸å¸¸”å¸¸å¸¸æ¸¸—. <i>SCIENTIA SINICA Terrae</i> , 2022, , .	0.1	0
394	Arctic drainage of Laurentide Ice Sheet meltwater throughout the past 14,700 years. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	2.6	5
395	MAGNETIC PHASES OF SOILS DEVELOPED FROM IGNEOUS ROCKS IN A CLIMATE GRADIENT TRANSEPT, BRAZILIAN NORTHERN AMAZONIA.. <i>Canadian Journal of Soil Science</i> , 0, , .	0.5	0
396	The Câ€“Sâ€“Fe system evolution reveals organic matter preservation in lacustrine shales of Yanchang Formation, Ordos Basin, China. <i>Marine and Petroleum Geology</i> , 2022, 142, 105734.	1.5	2
397	Palaeoenvironmental changes and anthropogenic impact recorded in floodplain sediments: A case study from the lower Morava River Basin (Czech Republic). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 597, 111000.	1.0	3
398	A detailed magnetic record of Pleistocene climate and distal ash dispersal during the last 800Âkyrs - The Suhia Kladenetz quarry loess-paleosol sequence near Pleven (Bulgaria). <i>Global and Planetary Change</i> , 2022, 214, 103840.	1.6	10
399	The Early Miocene Provenance Shift of ODP Site 1177 and Implications for the Tectonic Evolution of the Shikoku Basin, Philippine Sea Plate. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	0
400	Mineral magnetic and geochemical characterization of the dust and soils around Mejia Thermal Power Plant, West Bengal: Implications to source apportionment. <i>Journal of Earth System Science</i> , 2022, 131, .	0.6	6
402	Sedimentary Rock Magnetic Response to Holocene Environmental Instability in the Pearl River Delta. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	1
403	Estimating remobilization of potentially toxic elements in soil and road dust of an industrialized urban environment. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	5
404	Variation in humidity and the forcing mechanism in Asian monsoon-influenced regions indicated by hematite/goethite from Baxian Lake, southern China, since AD 800. <i>Holocene</i> , 2022, 32, 977-990.	0.9	4
405	Mapping magnetism: Geophysical modelling of stratigraphic features by using in situ magnetic susceptibility measurements at Pinnacle Point 5â€“6 North, South Africa. <i>Geoarchaeology - an International Journal</i> , 2022, 37, 840-857.	0.7	1
406	Magnetic Properties of Urban Topsoil from Aurangabad (India)â€“Implications to Industrial Pollution and Road Traffic. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	1
407	Eocene Paleoclimate Evolution under the Background of Warmhouseâ€“Hothouse Conditions in the Continental Fushun Basin: Implications from Magnetic Susceptibility and Color Reflectance. <i>ACS Omega</i> , 2022, 7, 24614-24625.	1.6	2

#	ARTICLE	IF	CITATIONS
408	Re-Visiting the Quantification of Hematite by Diffuse Reflectance Spectroscopy. Minerals (Basel,) Tj ETQq0 0 0 rgBT, /Overlock 5 10 Tf 50 7	0.8	5
409	Provenance study of the Miocene hemipelagic sediments in the Shikoku Basin and implication for the earlier history of the Kuroshio Current. Marine Geology, 2022, 450, 106861.	0.9	0
410	Paleoenvironmental conditions during the Medieval Climatic Anomaly, the Little Ice Age and social impacts in the Oriental Mesoamerican region. Quaternary Science Reviews, 2022, 289, 107616.	1.4	1
411	Topography-dependent formation and transformation of lithogenic and pedogenic iron oxides on a volcano under a tropical monsoon climate. Catena, 2022, 217, 106521.	2.2	2
412	Indian summer monsoon variability during the last 20 kyr: Evidence from peat record from the Baspa Valley, northwest Himalaya, India. Journal of Earth System Science, 2022, 131, .	0.6	1
413	A Depthâ€¦Transect of Ocean Deoxygenation During the Paleoceneâ€¦Eocene Thermal Maximum: Magnetofossils in Sediment Cores From the Southeast Atlantic. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	2
414	Characterization of anthropogenic contaminants in urban soils around Budgebudge current generating station of West Bengal, India. Arabian Journal of Geosciences, 2022, 15, .	0.6	0
415	Environmental changes in southeastern Europe over the last 450 ka: Magnetic and pedologic study of a loess-paleosol profile from Kaolinovo (Bulgaria). Quaternary Science Reviews, 2022, 292, 107671.	1.4	2
416	Micromagnetic Modeling of a Magnetically Unstable Zone and Its Geological Significances. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	1
417	Sedimentary response to the contrasting provenance and oceanographic conditions on the continental shelf of India. Continental Shelf Research, 2022, 248, 104853.	0.9	0
418	Mid to late Holocene climate variability, forest fires and floods entwined with human occupation in the upper Ganga catchment, India. Quaternary Science Reviews, 2022, 293, 107725.	1.4	7
419	Variability of indian monsoon and its forcing mechanisms since late quaternary. Frontiers in Earth Science, 0, 10, .	0.8	2
420	Pre-Archaeological Investigation by Integrating Unmanned Aerial Vehicle Aeromagnetic Surveys and Soil Analyses. Drones, 2022, 6, 243.	2.7	2
421	Assessment of heavy metal contamination of an electrolytic manganese metal industrial estate in northern China from an integrated chemical and magnetic investigation. Environmental Geochemistry and Health, 0, , .	1.8	3
422	Magnetic responses for heavy-metal pollution recorded by the sediments from Bohai Sea, Eastern China. IScience, 2022, , 105280.	1.9	0
423	Paleomagnetic constraints on Paleogene-Neogene rotation and paleo-stress in the northern Qaidam Basin. Science China Earth Sciences, 2022, 65, 2385-2404.	2.3	3
425	Mineralogical, magnetic and geochemical data constrain the pathways and extent of weathering of mineralized sedimentary rocks. Geochimica Et Cosmochimica Acta, 2023, 343, 180-195.	1.6	2
426	Expansion/shrinkage history of the Paratethys Sea during the Eocene: New insights from eolian Red Clay records in the Altyn Mountains, northern China. Frontiers in Earth Science, 0, 10, .	0.8	1

#	ARTICLE	IF	CITATIONS
427	åâœ°ç£†/4šä»Žăœ°çfâ°ç«æ~ÿ. Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao/Earth Science - Journal of China University of Geosciences, 2022, 47, 3736.	0.1	0
428	Changing sediment supply during glacial-interglacial intervals in the North Atlantic revealed by particle size characterization and environmental magnetism. <i>Global and Planetary Change</i> , 2023, 220, 104022.	1.6	2
429	Multivariate Analysis of Magnetic Parameters and Trace Metals in Atmospheric Dustfall and Its Environmental Implications in Northern China. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 1598.	0.8	0
430	Tracing the sourceâ€“sink process of fluvio-clastic materials: Magnetic records of surface sediments in the Yangtze River basin. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	2
431	Late Quaternary sediments from Barakar-Damodar Basin, Eastern India include the 74Âka Toba ash and a 17Âka microlith toolkit. <i>Journal of Asian Earth Sciences: X</i> , 2023, 9, 100135.	0.6	1
432	Environmental Magnetic Characteristics and Heavy Metal Pollution Assessment of Sediments in the Leâ™an River, China. <i>Minerals (Basel, Switzerland)</i> , 2023, 13, 145.	0.8	1
433	The use of environmental magnetic properties, elemental analysis and geostatistical tools for soil pollution assessment, a lesson from Takum, Nigeria. <i>Physics and Chemistry of the Earth</i> , 2023, 130, 103377.	1.2	1
434	Environmental Reconstruction from the Identification of Magnetic Minerals in the Upper Sedimentary Infill of the Gran Dolina Cave (Burgos, Spain). <i>Applied Sciences (Switzerland)</i> , 2023, 13, 4580.	1.3	0
435	Westerly-monsoon variations since the last deglaciation from semi-arid Ladakh region, Trans Himalaya, India. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2023, 618, 111515.	1.0	1
436	Genesis and preservation of authigenic magnetite and greigite in the cold seep sediments, Bay of Bengal. <i>Marine and Petroleum Geology</i> , 2023, 151, 106212.	1.5	1
437	Sustainable growth, input factors, and technological progress in agriculture: Evidence from 1990 to 2020 in China. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	1
438	Sedimentary modulation of magnetic mineral records in the Central Bengal Fan. <i>Marine Geology</i> , 2023, 457, 107010.	0.9	2
439	Equatorial Pacific dust fertilization and source weathering influences on Eocene to Miocene global CO2 decline. <i>Communications Earth &amp; Environment</i> , 2023, 4, .	2.6	0
440	Tectonic and orbital forcing of the South Asian monsoon in central Tibet during the late Oligocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	5
441	Magnetostratigraphy of the Tuotuohe Formation in the Tuotuohe Basin, Central-Northern Tibetan Plateau: Paleolatitude and Palaeoenvironmental Implications. <i>Minerals (Basel, Switzerland)</i> , 2023, 13, 533.	0.8	0
442	Acquisition of natural remanence in the basaltic laterites of Deccan volcanic province (India): Implications to palaeomagnetic studies in laterites. <i>Catena</i> , 2023, 228, 107154.	2.2	0
443	The Mechanism Driving Magnetic Enhancement in the Sediments of Core PT2 from Southwestern China. <i>Minerals (Basel, Switzerland)</i> , 2023, 13, 577.	0.8	0
465	Paleolimnology: Approaches and Applications. , 2024, , 1015-1043.		4

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