

# Magnetic properties of sedimentary greigite (Fe<sub>3</sub>S<sub>4</sub>)

Reviews of Geophysics

49,

DOI: 10.1029/2010rg000336

Citation Report

#	ARTICLE	IF	CITATIONS
1	Late Quaternary sediments from deep-sea sediment drifts on the Antarctic Peninsula Pacific margin: Climatic control on provenance of minerals. Journal of Geophysical Research, 2011, 116, .	3.3	13
2	Sedimentation rate control on diagenesis, East China Sea sediments. Physics of the Earth and Planetary Interiors, 2011, 187, 301-309.	1.9	15
3	Geomagnetic secular variation recorded by sediments deposited during the Cretaceous normal superchron at low latitude. Physics of the Earth and Planetary Interiors, 2011, 187, 245-260.	1.9	11
4	Speleothem magnetism. Quaternary Science Reviews, 2011, 30, 3306-3320.	3.0	58
5	Dissolution of titanomagnetite and sulphidization in sediments from Lake Kinneret, Israel. Geophysical Journal International, 2011, 187, 34-44.	2.4	50
6	ENIGMATIC X-RAY MAGNETIC CIRCULAR DICHROISM IN GREIGITE (Fe <sub>3</sub> S <sub>4</sub> ). Canadian Mineralogist, 2012, 50, 667-674.	1.0	9
7	Environmental magnetism: Principles and applications. Reviews of Geophysics, 2012, 50, .	23.0	491
8	Strong evidence for the influence of solar cycles on a Late Miocene lake system revealed by biotic and abiotic proxies. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 329-330, 124-136.	2.3	38
9	Nanocomposite Pyriteâ€“Greigite Reactivity toward Se(IV)/Se(VI). Environmental Science & Technology, 2012, 46, 4869-4876.	10.0	62
10	Sedimentary Sulfides. Developments in Sedimentology, 2012, , 543-604.	0.5	7
12	First paleomagnetic results of midâ€“to late Holocene sediments from Lake Issykâ€“Kul (Kyrgyzstan): Implications for paleosecular variation in central Asia. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	11
13	Estimating best fit binary mixing lines in the Day plot. Journal of Geophysical Research, 2012, 117, .	3.3	14
14	A method for unmixing magnetic hysteresis loops. Journal of Geophysical Research, 2012, 117, .	3.3	38
15	Continuous production of nanosized magnetite through low grade burial. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	20
16	Pyrrhotite as a tracer for denudation of the Taiwan orogen. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	34
17	Diagenetic alteration of magnetic minerals in Labrador Sea sediments (IODP Sites U1305, U1306, and) Tj ETQq1 1 0.784314,rgBT /Over	2.5	28
18	Inconsistent magnetic polarities in magnetiteâ€“and greigiteâ€“bearing sediments: Understanding complex magnetizations in the late Messinian in the Adana Basin (southern Turkey). Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	5
19	Late Quaternary chronostratigraphic framework of deep Baffin Bay glaciomarine sediments from highâ€“resolution paleomagnetic data. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	35

#	ARTICLE	IF	CITATIONS
20	Searching for single domain magnetite in the “pseudo-single-domain” sedimentary haystack: Implications of biogenic magnetite preservation for sediment magnetism and relative paleointensity determinations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	143
21	Ferromagnetic resonance characterization of greigite (Fe <sub>3</sub> S <sub>4</sub> ), monoclinic pyrrhotite (Fe <sub>7</sub> S <sub>8</sub> ), and non-interacting titanomagnetite (Fe <sub>3-x</sub> Ti <sub>x</sub> O <sub>4</sub> ). <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	15
22	Magnetic fabric of Pleistocene continental clays from the hanging-wall of an active low-angle normal fault (Altotiberina Fault, Italy). <i>International Journal of Earth Sciences</i> , 2012, 101, 849-861.	1.8	10
23	Mud and magnetism: records of late Pleistocene and Holocene environmental change recorded by magnetic measurements. <i>Journal of Paleolimnology</i> , 2013, 49, 465-480.	1.6	29
24	Magnetic mineralogy and its implication of contemporary coastal sediments from South China. <i>Environmental Earth Sciences</i> , 2013, 68, 1609-1617.	2.7	12
25	Mechanism of variations in environmental magnetic proxies of lake sediments from Nam Co, Tibet during the Holocene. <i>Science Bulletin</i> , 2013, 58, 1568-1578.	1.7	15
26	Thermal magnetic susceptibility data on natural iron sulfides of northeastern Russia. <i>Russian Geology and Geophysics</i> , 2013, 54, 464-474.	0.7	15
27	Paleomagnetism of the Neoproterozoic diamictites of the Qiaoenbrak formation in the Aksu area, NW China: Constraints on the paleogeographic position of the Tarim Block. <i>Precambrian Research</i> , 2013, 226, 75-90.	2.7	49
28	Late Pliocene vegetation and orbital-scale climate changes from the western Mediterranean area. <i>Global and Planetary Change</i> , 2013, 108, 15-28.	3.5	31
29	A new dimension to sediment magnetism: Charting the spatial variability of magnetic properties across lake basins. <i>Global and Planetary Change</i> , 2013, 110, 340-349.	3.5	27
30	Magnetic, structural, and electronic properties of iron sulfide Fe <sub>3</sub> S <sub>4</sub> nanoparticles synthesized by the polyol mediated process. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	51
31	High-resolution analysis of upper Miocene lake deposits: Evidence for the influence of Gleissberg-band solar forcing. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 370, 167-183.	2.3	24
32	Mineral magnetic study of lacustrine sediments from Lake Pumoyum Co, southern Tibet, over the last 19ka and paleoenvironmental significance. <i>Tectonophysics</i> , 2013, 588, 209-221.	2.2	15
33	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
34	The palaeomagnetism of glauconitic sediments. <i>Global and Planetary Change</i> , 2013, 110, 278-288.	3.5	9
35	Magnetic enhancement of Baltic Sea sapropels by greigite magnetofossils. <i>Earth and Planetary Science Letters</i> , 2013, 366, 137-150.	4.4	59
36	Marine magnetic signature of the Last Glacial Maximum and last deglaciation from the Southern Hemisphere mid-latitudes. <i>Marine Geology</i> , 2013, 346, 246-255.	2.1	4
37	Application of Mössbauer Spectroscopy in Earth Sciences. , 2013, , 91-185.		33

#	ARTICLE	IF	CITATIONS
38	Measuring sedimentation in tidal marshes: a review on methods and their applicability in biogeomorphological studies. <i>Journal of Coastal Conservation</i> , 2013, 17, 301-325.	1.6	113
39	Crossover From Nanoscopic Intergranular Hopping to Conventional Charge Transport in Pyrite Thin Films. <i>ACS Nano</i> , 2013, 7, 2781-2789.	14.6	57
40	Evidence for Late Eocene emplacement of the Malaita Terrane, Solomon Islands: Implications for an even larger Ontong Java Nui oceanic plateau. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 2670-2686.	3.4	9
41	GEOMAGNETIC EXCURSIONS AND SECULAR VARIATIONS. , 2013, , 705-720.		4
42	Decoupling of paramagnetic and ferrimagnetic AMS development during the experimental chemical compaction of illite shale powder. <i>Geophysical Journal International</i> , 2013, 192, 975-985.	2.4	4
43	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
44	Revised Chronology of the Sulmona Lacustrine Succession, Central Italy. <i>Journal of Quaternary Science</i> , 2013, 28, 545-551.	2.1	51
45	Fe <sub>3</sub> S <sub>4</sub> and Fe <sub>3</sub> O <sub>4</sub> magnetic nanocrystals: magneto-optical and Mössbauer spectroscopy study. <i>Materials Research Express</i> , 2014, 1, 025033.	1.6	13
46	Sediments, Terrestrial (Paleomagnetism). , 2014, , 1-12.		0
47	A high-resolution palaeoclimate record for the last 4800 years from lake la Brava, SE pampas plains, Argentina. <i>Geofísica International</i> , 2014, 53, 365-383.	0.2	5
48	Burial Diagenesis of Magnetic Minerals: New Insights from the GrÃ's d'Annot Transect (SE France). <i>Minerals (Basel, Switzerland)</i> , 2014, 4, 667-689.	2.0	14
49	Particle Size-Specific Magnetic Measurements as a Tool for Enhancing Our Understanding of the Bulk Magnetic Properties of Sediments. <i>Minerals (Basel, Switzerland)</i> , 2014, 4, 758-787.	2.0	60
50	A new 6ÂMyr stratigraphic framework for the Atlanticâ€“Arctic Gateway. <i>Quaternary Science Reviews</i> , 2014, 92, 170-178.	3.0	63
51	On the magnetocrystalline anisotropy of greigite (Fe <sub>3</sub> S <sub>4</sub> ). <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 1558-1579.	2.5	24
52	Evidence of late Gelasian dispersal of African fauna at Coste San Giacomo (Anagni Basin, central Italy): Early Pleistocene environments and the background of early human occupation in Europe. <i>Quaternary Science Reviews</i> , 2014, 96, 72-85.	3.0	48
53	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
54	Detecting the thermal aureole of a magmatic intrusion in immature to mature sediments: a case study in the East Greenland Basin (73Â°N). <i>Geophysical Journal International</i> , 2014, 196, 160-174.	2.4	3
55	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

#	ARTICLE	IF	CITATIONS
56	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
57	Untangling inconsistent magnetic polarity records through an integrated rock magnetic analysis: A case study on Neogene sections in East Timor. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2531-2554.	2.5	26
58	High-Purity Fe <sub>3</sub> S <sub>4</sub> Greigite Microcrystals for Magnetic and Electrochemical Performance. <i>Chemistry of Materials</i> , 2014, 26, 5821-5829.	6.7	97
59	Magnetic fabrics induced by dynamic faulting reveal damage zone sizes in soft rocks, Dead Sea basin. <i>Geophysical Journal International</i> , 2014, 199, 1214-1229.	2.4	20
60	The Sedimentary Sulfur System: Biogeochemistry and Evolution through Geologic Time. , 2014, , 267-326.		7
61	Rock-magnetic signature of precipitation and extreme runoff events in south-eastern Patagonia since 51,200ÂcalÂBP from the sediments of Laguna Potrok Aike. <i>Quaternary Science Reviews</i> , 2014, 98, 110-125.	3.0	13
62	Fe <sub>3</sub> S <sub>4</sub> (greigite) formation by vaporâ€solid reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1903-1913.	10.3	19
63	Magnetic fingerprint of the late Holocene inception of the R�o de la Plata plume onto the southeast Brazilian shelf. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 415, 183-196.	2.3	15
64	The subsurface geology of Rome: Sedimentary processes, sea-level changes and astronomical forcing. <i>Earth-Science Reviews</i> , 2014, 136, 1-20.	9.1	40
65	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.	3.4	42
66	Gauss-Matuyama polarity reversal horizon in the Tokai Group, central Japan, suggested from detailed rock magnetic and paleomagnetic studies. <i>Journal of the Geological Society of Japan</i> , 2014, 120, 313-323.	0.6	1
67	Oligocene�Miocene magnetostratigraphy and magnetic anisotropy of the <sc>B</sc>axbulak section from the <sc>P</sc>amir��<sc>T</sc>ian <sc>S</sc>han convergence zone. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3575-3592.	2.5	27
68	Experimental mixtures of superparamagnetic and single�domain magnetite with respect to Day�Dunlop plots. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1739-1752.	2.5	20
69	Long�term evolution of an Oligocene/Miocene maar lake from Otago, New Zealand. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 59-76.	2.5	23
70	Formation of magnetic minerals at hydrocarbon-generation conditions. <i>Marine and Petroleum Geology</i> , 2015, 68, 509-519.	3.3	25
71	Rock magnetic characterization of ferrimagnetic iron sulfides in gas hydrate-bearing marine sediments at Site C0008, Nankai Trough, Pacific Ocean, off-coast Japan. <i>Earth, Planets and Space</i> , 2015, 67, .	2.5	24
72	Occurrence of greigite in the <sc>P</sc>liocene sediments of <sc>L</sc>ake <sc>Q</sc>inghai, <sc>C</sc>hina, and its paleoenvironmental and paleomagnetic implications. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1293-1306.	2.5	24
73	Early to Middle Miocene rotational tectonics of the Ou Backbone Range, northeast <sc>J</sc>apan. <i>Island Arc</i> , 2015, 24, 288-300.	1.1	10

#	ARTICLE	IF	CITATIONS
74	Authigenesis of magnetic minerals in gas hydrate-bearing sediments in the Nankai Trough, offshore Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 947-961.	2.5	35
75	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.	2.1	7
76	Messinian events in the Black Sea. <i>Terra Nova</i> , 2015, 27, 433-441.	2.1	35
77	Paleolatitudes of the Tibetan Himalaya from primary and secondary magnetizations of Jurassic to Lower Cretaceous sedimentary rocks. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 77-100.	2.5	51
78	Numerical strategies for magnetic mineral unmixing. <i>Earth-Science Reviews</i> , 2015, 150, 256-284.	9.1	62
79	Alpha-Oxo Acids Assisted Transformation of FeS to Fe <sub>3</sub> S <sub>4</sub> at Low Temperature: Implications for Abiotic, Biotic, and Prebiotic Mineralization. <i>Astrobiology</i> , 2015, 15, 1043-1051.	3.0	14
80	Early to middle Eocene magneto-biochronology of the southwest Pacific Ocean and climate influence on sedimentation: Insights from the Mead Stream section, New Zealand. <i>Bulletin of the Geological Society of America</i> , 2015, 127, 643-660.	3.3	34
81	Colloidal synthesis of greigite nanoplates with controlled lateral size for electrochemical applications. <i>Nanoscale</i> , 2015, 7, 4171-4178.	5.6	31
82	Formation of greigite under different climate conditions in the Yellow River delta. <i>Science China Earth Sciences</i> , 2015, 58, 300-308.	5.2	6
83	Magnetizations in Rocks and Minerals. , 2015, , 255-308.		24
84	Geophysical Properties of the Near-Surface Earth: Magnetic Properties. , 2015, , 139-174.		13
85	Chemical stability and electrochemical characteristics of FeS microcrystals as the cathode material of rechargeable lithium batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12240-12246.	10.3	33
86	The Blake Event recorded near the Eemian type locality – A diachronic onset of the Eemian in Europe. <i>Quaternary Geochronology</i> , 2015, 28, 12-28.	1.4	26
87	Magnetic properties of tidal flat sediments on the Yangtze coast, China: Early diagenetic alteration and implications. <i>Holocene</i> , 2015, 25, 832-843.	1.7	20
88	HMTA-assisted One-pot Synthesis of Greigite Nano-platelet and Its Magnetic Properties. <i>Journal of Materials Science and Technology</i> , 2015, 31, 895-900.	10.7	7
89	GEOMAGIA50.v3: 2. A new paleomagnetic database for lake and marine sediments. <i>Earth, Planets and Space</i> , 2015, 67, .	2.5	55
90	Magnetic mineral diagenesis. <i>Earth-Science Reviews</i> , 2015, 151, 1-47.	9.1	296
91	The Slanicul de Buzau section, a unit stratotype for the Romanian stage of the Dacian Basin (Plio-Pleistocene, Eastern Paratethys). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 440, 594-613.	2.3	24

#	ARTICLE	IF	CITATIONS
92	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.	2.3	55
93	Paleomagnetic and geochemical record from cores from the Sea of Marmara, Turkey: Age constraints and implications of sapropelic deposition on early diagenesis. <i>Marine Geology</i> , 2015, 360, 40-54.	2.1	9
94	Changing intensity of human activity over the last 2,000 years recorded by the magnetic characteristics of sediments from Xingyun Lake, Yunnan, China. <i>Journal of Paleolimnology</i> , 2015, 53, 47-60.	1.6	50
95	Environmental control on the occurrence of high-coercivity magnetic minerals and formation of iron sulfides in a 640 ka sediment sequence from Lake Ohrid (Balkans). <i>Biogeosciences</i> , 2016, 13, 2093-2109.	3.3	21
96	Terrestrial responses of low-latitude Asia to the Eocene–Oligocene climate transition revealed by integrated chronostratigraphy. <i>Climate of the Past</i> , 2016, 12, 255-272.	3.4	13
97	A Greigite-Based Magnetostratigraphic Time Frame for the Late Miocene to Recent DSDP Leg 42B Cores from the Black Sea. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	18
98	Magnetic properties in nearshore marine sediments off southern Chile. <i>JAMSTEC Report of Research and Development</i> , 2016, 23, 41-51.	0.2	2
99	Constraining early to middle Eocene climate evolution of the southwest Pacific and Southern Ocean. <i>Earth and Planetary Science Letters</i> , 2016, 433, 380-392.	4.4	17
100	Historic and ancient tsunamis uncovered on the Jalisco-Colima Pacific coast, the Mexican subduction zone. <i>Geomorphology</i> , 2016, 259, 90-104.	2.6	13
101	Temporal and spatial variations in magnetic properties of suspended particular matter in the Yangtze River drainage and their implications. <i>Journal of Asian Earth Sciences</i> , 2016, 124, 204-213.	2.3	7
102	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.	2.4	16
103	Heavy metal monitoring of beach sands through environmental magnetism technique: a case study from Vengurla and Aravali beaches of Sindhudurg district, Maharashtra, India. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	2
104	Recognizing magnetostratigraphy in overprinted and altered marine sediments: Challenges and solutions from IODP Site U1437. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3190-3206.	2.5	9
105	Seasonal changes in magnetic parameters of sediments with changing redox conditions in Hiroshima Bay, Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2687-2699.	2.5	2
106	Physical interpretation of isothermal remanent magnetization end-members: New insights into the environmental history of Lake Hovsgul, Mongolia. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4669-4683.	2.5	6
107	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
108	Magnetostratigraphy of a long Quaternary sediment core in the South Yellow Sea. <i>Quaternary Science Reviews</i> , 2016, 144, 1-15.	3.0	40
109	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



#	ARTICLE	IF	CITATIONS
110	Deciphering records of geomagnetic reversals. Reviews of Geophysics, 2016, 54, 410-446.	23.0	82
111	Geomagnetic palaeosecular variation around 15 ka ago from NW Barents Sea cores (south of) Tj ETQq1 1 0.784314 rgBT /Overlock 107	2.4	7
112	Tracing acidification induced by Deccan Phase 2 volcanism. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 441, 181-197.	2.3	11
113	Evolution of the Yellow Sea Warm Current and the Yellow Sea Cold Water Mass since the Middle Pleistocene. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 442, 48-60.	2.3	36
114	Paleomagnetic study of Plio-Pleistocene sediments in the concentrated deformation zone along the eastern margin of the Japan Sea. Quaternary International, 2016, 397, 573-588.	1.5	1
115	The age of human remains and associated fauna from Zhiren Cave in Guangxi, southern China. Quaternary International, 2017, 434, 84-91.	1.5	35
116	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. Marine Geology, 2017, 394, 82-97.	2.1	17
117	Magnetostratigraphy of deep drilling core 15YZK01 in the northwestern Qaidam Basin (NE Tibetan) Tj ETQq1 1 0.784314 rgBT /Overlock 107	1.5	13
118	The Calabrian in the Western Transcaucasian basin (Georgia): Paleomagnetic constraints from the Gurian regional stage. Quaternary Science Reviews, 2017, 160, 96-107.	3.0	6
119	Pressure-induced structural and spin transitions of Fe <sub>3</sub> S <sub>4</sub> . Scientific Reports, 2017, 7, 46334.	3.3	10
120	Impact of climate change on the magnetic mineral assemblage in marine sediments from Izu rear arc, NW Pacific Ocean, over the last 1 Myr. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 480, 53-69.	2.3	22
121	Sedimentary analysis and magnetic properties of Lake AnÃ³nima, Vega Island. Antarctic Science, 2017, 29, 429-444.	0.9	20
122	Aggregation of Authigenic, Ferromagnetic-diamagnetic Nano-FexSy. Colloids and Interface Science Communications, 2017, 18, 5-8.	4.1	1
123	Paleomagnetic chronology and paleoenvironmental records from drill cores from the Hetao Basin and their implications for the formation of the Hobq Desert and the Yellow River. Quaternary Science Reviews, 2017, 156, 69-89.	3.0	55
124	Tracing Sediment Erosion in the Yangtze River Subaqueous Delta Using Magnetic Methods. Journal of Geophysical Research F: Earth Surface, 2017, 122, 2064-2078.	2.8	17
125	Phase-Controlled Colloidal Syntheses of Iron Sulfide Nanocrystals via Sulfur Precursor Reactivity and Direct Pyrite Precipitation. Chemistry of Materials, 2017, 29, 8521-8530.	6.7	49
126	The top of the Olduvai Subchron in a high-resolution magnetostratigraphy from the West Turkana core WTK13, hominin sites and Paleolakes Drilling Project (HSPDP). Quaternary Geochronology, 2017, 42, 117-129.	1.4	14
127	Early diagenetic greigite as an indicator of paleosalinity changes in the middle <sc>M</sc>iocene <sc>P</sc>arathethys <sc>S</sc>ea of central <sc>E</sc>urope. Geochemistry, Geophysics, Geosystems, 2017, 18, 2634-2645.	2.5	12



#	ARTICLE	IF	CITATIONS
128	Tectonic, climatic, and diagenetic control of magnetic properties of sediments from Kumano Basin, Nankai margin, southwestern Japan. <i>Marine Geology</i> , 2017, 391, 1-12.	2.1	14
129	Late Cenozoic evolution in the Pamir-Tian Shan convergence: New chronological constraints from the magnetostratigraphic record of the southwestern Tianshan foreland basin (Ulugqat area). <i>Tectonophysics</i> , 2017, 717, 51-64.	2.2	21
130	Sour corrosion. , 2017, , 113-147.		6
131	Nesseltalgraben, a new reference section of the last glacial period in southern Germany. <i>Journal of Paleolimnology</i> , 2017, 58, 213-229.	1.6	11
132	Magnetic mineral diagenesis in anoxic laminated sediments from the Southern Gulf of California. <i>Studia Geophysica Et Geodaetica</i> , 2018, 62, 115-138.	0.5	1
133	Thermal Alteration of Pyrite to Pyrrhotite During Earthquakes: New Evidence of Seismic Slip in the Rock Record. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 1116-1131.	3.4	15
134	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.	2.3	10
135	Iron and sulfur cycling in acid sulfate soil wetlands under dynamic redox conditions: A review. <i>Chemosphere</i> , 2018, 197, 803-816.	8.2	150
136	A high-resolution record of the Matuyama-Brunhes transition from the Mediterranean region: The Valle di Manche section (Calabria, Southern Italy). <i>Physics of the Earth and Planetary Interiors</i> , 2018, 278, 1-15.	1.9	13
137	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
138	Unusual Magnetic Properties of Sedimentary Pyrrhotite in Methane Seepage Sediments: Comparison With Metamorphic Pyrrhotite and Sedimentary Greigite. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 4601-4617.	3.4	47
139	A Critical Appraisal of the "Day" Diagram. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2618-2644.	3.4	153
140	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.	2.3	5
141	Rock magnetism and magnetic fabric of the Triassic rocks from the West Spitsbergen Fold-and-Thrust Belt and its foreland. <i>Tectonophysics</i> , 2018, 728-729, 104-118.	2.2	2
142	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
143	A high-resolution paleosecular variation record from Black Sea sediments indicating fast directional changes associated with low field intensities during marine isotope stage (MIS) 4. <i>Earth and Planetary Science Letters</i> , 2018, 484, 15-29.	4.4	16
144	The magnetic structure and palaeomagnetic recording fidelity of sub-micron greigite (Fe <sub>3</sub> S <sub>4</sub> ). <i>Earth and Planetary Science Letters</i> , 2018, 483, 76-89.	4.4	15
145	Phase transition of iron sulphide minerals under hydrothermal conditions and magnetic investigations. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 27-38.	0.8	5

#	ARTICLE	IF	CITATIONS
146	Reconnaissance study of an inferred Quaternary maar structure in the western part of the Bohemian Massif near Neualbenreuth, NE-Bavaria (Germany). <i>International Journal of Earth Sciences</i> , 2018, 107, 1381-1405.	1.8	29
147	X-ray Absorption Spectroscopy and Magnetism of Synthetic Greigite and Greigite Magnetosomes in Magnetotactic Bacteria. <i>Geomicrobiology Journal</i> , 2018, 35, 215-226.	2.0	6
148	Timing of arrival of the Danube to the Black Sea: Provenance of sediments from <scp>DSDP</scp> site 380/380A. <i>Terra Nova</i> , 2018, 30, 114-124.	2.1	12
149	Magnetostratigraphy and <sup>230</sup> Th dating of a drill core from the southeastern Qaidam Basin: Salt lake evolution and tectonic implications. <i>Geoscience Frontiers</i> , 2018, 9, 943-953.	8.4	7
150	Overwriting of sedimentary magnetism by bacterially mediated mineral alteration. <i>Geology</i> , 2018, 46, 291-294.	4.4	18
151	Relative Sea-Level Changes and Ice Sheet History in Finderup Land, North Greenland. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	18
152	Paleomagnetism in Lake Pannon: Problems, Pitfalls, and Progress in Using Iron Sulfides for Magnetostratigraphy. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3405-3429.	2.5	8
153	Magnetic Mineral Diagenesis in a High Temperature and Deep Methanic Zone in Izu Rear Arc Marine Sediments, Northwest Pacific Ocean. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8331-8348.	3.4	8
154	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
155	First Early Permian Paleomagnetic Pole for the Yili Block and its Implications for Late Paleozoic Postorogenic Kinematic Evolution of the SW Central Asian Orogenic Belt. <i>Tectonics</i> , 2018, 37, 1709-1732.	2.8	27
156	Magnetic reversal frequency in the Lower Cambrian Niutitang Formation, Hunan Province, South China. <i>Geophysical Journal International</i> , 2018, 214, 1301-1312.	2.4	10
157	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
158	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
159	Preliminary paleomagnetic and rock magnetic results from 17 to 22 Åka sediment of Jeju Island, Korea: Geomagnetic excursions behavior or rock magnetic anomalies?. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	10
160	A first-principles study of the effect of vacancy defects on the electronic structures of greigite (Fe <sub>3</sub> S <sub>4</sub> ). <i>Scientific Reports</i> , 2018, 8, 11408.	3.3	9
161	Magnetic Fingerprints of Modern Sediments in the South China Sea Resulting From Source-to-Sink Processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1979-1993.	2.5	5
162	Influence of Sea Level Change and Centennial East Asian Monsoon Variations on Northern South China Sea Sediments Over the Past 36 kyr. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1674-1689.	2.5	13
163	Magnetic mineral tracing of sediment provenance in the central Bengal Fan. <i>Marine Geology</i> , 2019, 415, 105955.	2.1	10

#	ARTICLE	IF	CITATIONS
164	Anisotropy of Magnetic Susceptibility (AMS) of Sediments From Holes U1480E and U1480H, IODP Expedition 362: Sedimentary or Artificial Origin and Implications for Paleomagnetic Studies. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 5192-5215.	2.5	8
165	A new varve sequence from Windermere, UK, records rapid ice retreat prior to the Lateglacial Interstadial (GI-1). <i>Quaternary Science Reviews</i> , 2019, 225, 105894.	3.0	9
166	The rotating magnetocaloric effect as a potential mechanism for natural magnetic senses. <i>PLoS ONE</i> , 2019, 14, e0222401.	2.5	2
167	A New High-Resolution Magnetic Scanner for Sedimentary Sections. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3186-3200.	2.5	3
168	Progressive and Punctuated Magnetic Mineral Diagenesis: The Rock Magnetic Record of Multiple Fluid Inputs and Progressive Pyritization in a Volcano-Bounded Basin, IODP Site U1437, Izu Rear Arc. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 5357-5378.	3.4	9
169	Contribution of magnetic measurement methods to the analysis of iron sulfides in archaeological waterlogged wood-iron assemblies. <i>Microchemical Journal</i> , 2019, 148, 10-20.	4.5	12
170	Magnetic Mineralogical Approach for the Exploration of Gas Hydrates in the Bay of Bengal. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 4428-4451.	3.4	14
171	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
172	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.	3.3	11
173	Magnetic mineral diagenesis in sediments of saline lake Lop Nur. <i>Journal of Mountain Science</i> , 2019, 16, 548-560.	2.0	1
174	Synthesis of greigite (Fe <sub>3</sub> S <sub>4</sub> ) particles via a hydrothermal method. <i>AIP Advances</i> , 2019, 9, .	1.3	17
175	Human occupation of northern Europe in MIS 13: Happisburgh Site 1 (Norfolk, UK) and its European context. <i>Quaternary Science Reviews</i> , 2019, 211, 34-58.	3.0	26
176	Magnetic Strategies for Nervous System Control. <i>Annual Review of Neuroscience</i> , 2019, 42, 271-293.	10.7	44
177	Magneto-biostratigraphic age models for Pleistocene sedimentary records from the Ross Sea. <i>Global and Planetary Change</i> , 2019, 176, 36-49.	3.5	12
178	The evolution of the Levantine Iron Age geomagnetic Anomaly captured in Mediterranean sediments. <i>Earth and Planetary Science Letters</i> , 2019, 511, 55-66.	4.4	16
179	Recordings of Fast Paleomagnetic Reversals in a 1.2 Ma Greigite-Rich Sediment Archive From Lake Ohrid, Balkans. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12445-12464.	3.4	16
180	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
181	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.	4.4	25

#	ARTICLE	IF	CITATIONS
182	Constraining the Intracontinental Tectonics of the SW Central Asian Orogenic Belt by the Early Permian Paleomagnetic Pole for the Turfan-Hami Block. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12366-12387.	3.4	14
183	Formation of greigite (Fe <sub>3</sub> S <sub>4</sub> ) in the sediments of saline lake Lop Nur, northwest China, and its implications for paleo-environmental change during the last 8400 years. <i>Journal of Asian Earth Sciences</i> , 2019, 174, 99-108.	2.3	9
184	Insight into pH dependent Cr(VI) removal with magnetic Fe <sub>3</sub> S <sub>4</sub> . <i>Chemical Engineering Journal</i> , 2019, 359, 564-571.	12.7	133
185	The shutdown of an anoxic giant: Magnetostratigraphic dating of the end of the Maikop Sea. <i>Gondwana Research</i> , 2019, 67, 82-100.	6.0	25
186	First-order reversal curve (FORC) diagrams of nanomagnets with cubic magnetocrystalline anisotropy: A numerical approach. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 471, 359-364.	2.3	20
187	Post-treatment Study of Iron/Sulfur-containing Compounds in the Wreck of Lyon Saint-Georges 4 (Second Century ACE). <i>Studies in Conservation</i> , 2020, 65, 28-36.	1.1	5
188	Diagenesis of magnetic minerals at the Southwest Pacific DSDP Site 277. <i>New Zealand Journal of Geology, and Geophysics</i> , 2020, 63, 250-261.	1.8	2
189	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.	8.0	20
190	Controls on greigite preservation in a gas hydrate system of the Krishna-Godavari basin, Bay of Bengal. <i>Geo-Marine Letters</i> , 2020, 40, 439-452.	1.1	6
191	Non-invasive prospection techniques and direct push sensing as high-resolution validation tools in wetland geoarchaeology – Artificial water supply at a Carolingian canal in South Germany?. <i>Journal of Applied Geophysics</i> , 2020, 173, 103928.	2.1	11
192	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
193	Multidisciplinary characterization of Quaternary mass movement deposits in the Portimão Bank (Gulf of Cadiz). <i>Marine Geology</i> , 2020, 421, 106417.	1.0	7
194	A robust geochronology of the Yangtze River Delta based on magnetostratigraphy and cyclostratigraphy of sediment core ZKA2. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 541, 109532.	2.3	6
195	Holocene climate recorded by magnetic properties of lake sediments in the Northern Rocky Mountains, USA. <i>Holocene</i> , 2020, 30, 479-484.	1.7	3
196	Chronostratigraphic framework of the East China Sea since MIS 6 from geomagnetic paleointensity and environmental magnetic records. <i>Global and Planetary Change</i> , 2020, 185, 103092.	3.5	7
197	Early Pleistocene Tiglian sites in the Netherlands: A revised view on the significance for quaternary stratigraphy. <i>Quaternary Science Reviews</i> , 2020, 242, 106417.	3.0	3
198	Nature-Inspired and Sustainable Synthesis of Sulfur-Bearing Fe-Rich Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15791-15808.	6.7	6
199	Faulting Processes Unveiled by Magnetic Properties of Fault Rocks. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000690.	23.0	16

#	ARTICLE	IF	CITATIONS
200	Magnetic Mineral Diagenesis in a Newly Discovered Active Cold Seep Site in the Bay of Bengal. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	5
201	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
202	Behavior of Greigite-Bearing Marine Sediments During AF and Thermal Demagnetization and Its Significance. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008635.	2.5	6
203	Downhole nuclear magnetic resonance logging in glaciomarine sediments near Ottawa, Ontario, Canada. <i>Near Surface Geophysics</i> , 2020, 18, 591-607.	1.2	7
204	Intrinsically Magnetic Cells: A Review on Their Natural Occurrence and Synthetic Generation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 573183.	4.1	10
205	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.	1.7	6
206	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, .	1.8	23
207	Identification of Mackinawite and Constraints on Its Electronic Configuration Using Mössbauer Spectroscopy. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1090.	2.0	10
208	Greigite (Fe <sub>3</sub> S <sub>4</sub> ) is thermodynamically stable: Implications for its terrestrial and planetary occurrence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28645-28648.	7.1	12
209	Micromagnetic simulations of first-order reversal curve (FORC) diagrams of framboidal greigite. <i>Geophysical Journal International</i> , 2020, 222, 1126-1134.	2.4	14
210	Eocene (46–44Ma) Onset of Australia-Pacific Plate Motion in the Southwest Pacific Inferred From Stratigraphy in New Caledonia and New Zealand. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008699.	2.5	15
211	Paleomagnetic Constraint of the Brunhes Age Sedimentary Record From Lake Junín, Peru. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	10
212	Biology and Physics of Magnetotactic Bacteria. , 2020, , .		5
213	The thermal maturity of sedimentary basins as revealed by magnetic mineralogy. <i>Basin Research</i> , 2020, 32, 1510-1531.	2.7	1
214	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.	2.2	5
215	Magnetic Properties of Sedimentary Smythite (Fe <sub>9</sub> S <sub>11</sub> ). <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018812.	3.4	4
216	Magnetic, FMR and Mössbauer studies of nanocrystalline greigite. <i>Journal of Alloys and Compounds</i> , 2021, 857, 157569.	5.5	3
217	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.	3.4	6

#	ARTICLE	IF	CITATIONS
218	Polycrystalline texture causes magnetic instability in greigite. <i>Scientific Reports</i> , 2021, 11, 3024.	3.3	5
219	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.	2.9	11
220	Chronostratigraphy of a 270-ka sediment record from Lake Selina, Tasmania: Combining radiometric, geomagnetic and climatic dating. <i>Quaternary Geochronology</i> , 2021, 62, 101152.	1.4	4
221	Greigite as an Indicator for Salinity and Sedimentation Rate Change: Evidence From the Yangtze River Delta, China. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021085.	3.4	19
222	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.	3.4	3
223	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, .	1.8	10
224	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, .	1.8	6
225	Mineral Magnetic Characterization of High-Latitude Sediments From Lake Levinson-Lessing, Siberia. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093026.	4.0	6
226	Magnetostratigraphy of the Hominin Sites and Paleolakes Drilling Project (HSPDP) Baringo-Tugen Hills-Barsemoi core (Kenya). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 570, 110190.	2.3	4
227	Dating the Hemudu Neolithic rice cultivation site, East China, by paleomagnetic chronostratigraphy. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 569, 110297.	2.3	3
228	Site U1538. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	2
229	Layer parallel stretching? Characterising magnetic and pore-fabric styles at a rifted continental margin: New insights from the Otway Ranges, Australia. <i>Tectonophysics</i> , 2021, , 228975.	2.2	2
230	The Laschamps geomagnetic excursion recorded in continental sediments from southern Germany. <i>Geophysical Journal International</i> , 2021, 227, 1354-1365.	2.4	3
231	Micromagnetic Calculations of the Effect of Magnetostatic Interactions on Isothermal Remanent Magnetization Curves: Implications for Magnetic Mineral Identification. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022335.	3.4	6
232	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.	2.4	6
233	Traffic-related pollution history (1994–2014) determined using urban lake sediments from Nanjing, China. <i>PLoS ONE</i> , 2021, 16, e0255395.	2.5	1
234	Evolution of (Bio-)Geochemical Processes and Diagenetic Alteration of Sediments Along the Tectonic Migration of Ocean Floor in the Shikoku Basin off Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009585.	2.5	11
235	Ab-initio calculations combined with Monte Carlo simulation of the physical properties of Fe <sub>3</sub> S <sub>4</sub> compound. <i>Chemical Physics</i> , 2021, 548, 111233.	1.9	6



#	ARTICLE	IF	CITATIONS
236	A full-vector paleomagnetic secular variation record from 55,000 to 33,000 cal. years BP from Río Valdéz glaciolacustrine outcrop (Tierra Del Fuego, Argentina). Physics of the Earth and Planetary Interiors, 2021, 318, 106768.	1.9	0
237	Remagnetization of the Jurassic limestones in the Zaduo area, Eastern Qiangtang Terrane (Tibetan) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 5 228, 2073-2091.	2.4	4
238	Records of the Laschamps geomagnetic polarity excursion from Black Sea sediments: magnetite versus greigite, discrete sample versus U-channel data. Geophysical Journal International, 2020, 224, 1079-1095.	2.4	6
239	A paleomagnetic record of the early Matuyama chron including the Réunion subchron and the onset Olduvai boundary: High-resolution magnetostratigraphy and insights from transitional geomagnetic fields. Progress in Earth and Planetary Science, 2020, 7, .	3.0	5
240	Site U1437. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	14
241	Site U1499. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	6
242	Site U1501. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	7
243	Site U1502. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	5
244	Site U1504. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	4
245	El potencial del magnetismo en la clasificación de suelos: una revisión. Boletín De La Sociedad Geologica Mexicana, 2014, 66, 365-376.	0.3	9
247	Scientific drilling of sediments at Darwin Crater, Tasmania. Scientific Drilling, 0, 25, 1-14.	0.6	8
248	Paleomagnetic analyses on Badenian-Sarmatian drill cores from the North Carpathian Foredeep (Middle Miocene, Poland). Biuletyn - Państwowego Instytutu Geologicznego, 2015, 461, 179-192.	0.1	7
249	Influence of Early Low-Temperature and Later High-Temperature Diagenesis on Magnetic Mineral Assemblages in Marine Sediments From the Nankai Trough. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC010133.	2.5	3
250	Impact of Upward Oxygen Diffusion From the Oceanic Crust on the Magnetostratigraphy and Iron Biomineralization of East Pacific Ridge-Flank Sediments. Frontiers in Earth Science, 2021, 9, .	1.8	1
251	Sediments, Terrestrial (Paleomagnetism). Encyclopedia of Earth Sciences Series, 2015, , 752-760.	0.1	0
253	The Pliocene Paludina Lake of Pannonian Basin: new evidence from northern Serbia. Annales Societatis Geologorum Poloniae, 2016, , .	0.1	2
254	Assemblages bois-fer et biocorrosion: Étude des sulfures de fer formés en conditions anoxiques dans des bois d'épaves. Matériaux Et Techniques, 2016, 104, 512.	0.9	1
255	Magnetostratigraphy of the Oligocene Lower Krosno Beds from the Hulske section (Outer) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 5 228, 2073-2091.	2.4	4



#	ARTICLE	IF	CITATIONS
256	Synthesis of Magnetic Fe <sub>3</sub> S <sub>4</sub> /Bi <sub>2</sub> S <sub>3</sub> for Photocatalytic Reduction of Hexavalent Chromium in Water. Material Sciences, 2020, 10, 906-915.	0.0	0
257	Return to Site U1503. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	2
258	Age and driving mechanisms of the Eocene–Oligocene transition from astronomical tuning of a lacustrine record (Rennes Basin, France). Climate of the Past, 2021, 17, 2343-2360.	3.4	6
259	Changes in elements and magnetic properties of Sendai Bay sediments caused by the 2011 Tohoku–oki tsunami. Island Arc, 0, , .	1.1	1
260	Understanding sodium storage properties of ultra-small Fe <sub>3</sub> S <sub>4</sub> nanoparticles – a combined XRD, PDF, XAS and electrokinetic study. Nanoscale, 2022, 14, 2696-2710.	5.6	7
261	Unlocking information about fine magnetic particle assemblages from first-order reversal curve diagrams: Recent advances. Earth-Science Reviews, 2022, 227, 103950.	9.1	15
263	The Monte San Nicola section (Sicily) revisited: A potential unit-stratotype of the Gelasian Stage. Quaternary Science Reviews, 2022, 278, 107367.	3.0	4
264	Subsurface Pleistocene magnetostratigraphy under the Aburagafuchi Lowland in the southwestern Nishi-mikawa Plain, central Japan. Bulletin of the Geological Survey of Japan, 2022, 73, 1-17.	0.7	2
265	Effect of Hydrocarbon Presence and Properties on the Magnetic Signature of the Reservoir Sediments of the Catcher Area Development Region, UK North Sea. Frontiers in Earth Science, 2022, 10, .	1.8	4
266	Magnetostratigraphy of the Upper Cretaceous Nenjiang Formation in the Songliao Basin, northeast China: Implications for age constraints on terminating the Cretaceous Normal Superchron. Cretaceous Research, 2022, 135, 105213.	1.4	4
271	The Low-Temperature Heat Capacity and Thermodynamic Properties of Greigite (Fe <sub>3</sub> S <sub>4</sub> ). SSRN Electronic Journal, 0, , .	0.4	0
272	Magnetic Biosignatures of Magnetosomal Greigite From Micromagnetic Calculation. Geophysical Research Letters, 2022, 49, .	4.0	4
273	Tracing glacial-interglacial water mass changes in the Gulf of Corinth (IODP Expedition 381) using iron-sulphur geochemistry and magnetic susceptibility. Marine Geology, 2022, 448, 106801.	2.1	0
274	Diagenetic analysis of shallow and deep-seated gas hydrate systems from the Bay of Bengal. Marine Geology, 2022, 449, 106824.	2.1	1
275	Matuyama–Brunhes geomagnetic reversal record and associated key tephra layers in Boso Peninsula: extraction of primary magnetization of geomagnetic fields from mixed magnetic minerals of depositional, diagenesis, and weathering processes. Earth, Planets and Space, 2022, 74, .	2.5	2
276	The low-temperature heat capacity and thermodynamic properties of greigite (Fe <sub>3</sub> S <sub>4</sub> ). Journal of Chemical Thermodynamics, 2022, 173, 106836.	2.0	2
278	Temperature-Dependent Reaction Pathways in Fe <sub>2</sub> S <sub>4</sub> : Reversibility and the Electrochemical Formation of Fe <sub>3</sub> S <sub>4</sub> . Chemistry of Materials, 2022, 34, 5422-5432.	6.7	7
279	Transition Metal-Doped Chalcogenide Perovskite Magnetic Semiconductor [[Equation]]. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
280	Greigite (Fe <sub>3</sub> S <sub>4</sub> ) formation in artificial sediments via solid-state transformation of lepidocrocite. <i>Geochemistry, Geophysics, Geosystems</i> , 0, , .	2.5	1
281	Micromagnetic Modeling of a Magnetically Unstable Zone and Its Geological Significances. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	1
282	Enhanced drying of the Tengger desert, northwest margin of East Asian summer monsoon during warming interglacials after 500 ka. <i>Quaternary Science Reviews</i> , 2022, 293, 107735.	3.0	2
283	Equilibrium fractionation of S, Fe, and Ni isotopes in Fe-Ni sulfides: A first-principles investigation. <i>Chemical Geology</i> , 2022, 610, 121100.	3.3	0
284	Transition metal-doped chalcogenide perovskite magnetic semiconductor $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{altimg="si5.svg"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{B} \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{a} \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{Z} \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{r} \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{S} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ .	2.3	8
285	High-pressure synthesis and storage of solid organic compounds in active subduction zones. <i>Science Advances</i> , 2022, 8, .	10.3	10
286	Greigite Formation Modulated by Turbidites and Bioturbation in Deep-sea Sediments Offshore Sumatra. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	4
287	Thermodynamic stability reversal of iron sulfides at the nanoscale: Insights into the iron sulfide formation in low-temperature aqueous solution. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 338, 220-228.	3.9	6
288	Hydrodynamic variations and human activities have influenced sediment fluxes in the pearl river delta since the late holocene. <i>Frontiers in Earth Science</i> , 0, 10, .	1.8	0
289	Paleomagnetism of the Ediacaran Avellaneda Formation (Argentina), Part II: Magnetic and chemical stratigraphy constraints on the onset of the Shuram carbon excursion. <i>Precambrian Research</i> , 2023, 389, 107015.	2.7	2
290	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.	3.3	1
291	Magnetic properties of gas hydrate-bearing sediments and their association with iron geochemistry in the Sea of Marmara, Turkey. <i>Chemical Geology</i> , 2023, 620, 121339.	3.3	0
292	Age and Depositional Environment of Whale-Bearing Sedimentary Succession from the Lower Pliocene of Tuscany (Italy): Insights from Palaeomagnetism, Calcareous Microfossils and Facies Analyses. <i>Journal of Marine Science and Engineering</i> , 2023, 11, 455.	2.6	1
293	Influence of Seasonal Post-depositional Processes on the Remanent Magnetization in Varved Sediments From Glacial Lake Ojibway (Canada). <i>Geochemistry, Geophysics, Geosystems</i> , 2023, 24, .	2.5	0
295	Authigenic greigite in late MIS 3 sediments: Implications for the Yellow Sea Cold Water Mass and Yellow Sea Warm Current evolution. <i>Marine Geology</i> , 2023, 460, 107057.	2.1	2
296	Unveiling the Mid-Holocene coastal hydrological changes and their impacts on Neolithic cultures along the South Hangzhou Bay of eastern China. <i>Quaternary International</i> , 2023, 658, 36-47.	1.5	2
297	Exploring Spatiotemporal Paleoenvironmental and Paleoceanographic Changes on the Continental Shelf Using Authigenic Greigite: A Case Study From the East China Sea. <i>Paleoceanography and Paleoclimatology</i> , 2023, 38, .	2.9	0
298	Seawater sulphate heritage governed early Late Miocene methane consumption in the long-lived Lake Pannon. <i>Communications Earth &amp; Environment</i> , 2023, 4, .	6.8	1

#	ARTICLE	IF	CITATIONS
299	Magneticâ€“Mineralogical Anomalies at the Pleistoceneâ€“Holocene Boundary in Lacustrine Sediments of Northeastern Russia. Doklady Earth Sciences, 2023, 510, 453-458.	0.7	1
300	Selfâ€“Reversed Magnetization in Sediments Caused by Greigite Alteration. Geophysical Research Letters, 2023, 50, .	4.0	0
301	Physicochemical properties and AC magnetic field induced heating properties of solvothermally prepared thiospinel: Fe<sub>3</sub>S<sub>4</sub> (greigite) nanoparticles. Physica Scripta, 2023, 98, 065933.	2.5	2
302	Interpreting high-temperature magnetic susceptibility data of natural systems. Frontiers in Earth Science, 0, 11, .	1.8	3
303	Site U1579. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	3
304	Rapid hydroclimate fluctuation in eastern China coastal plain restrain Neolithic cultures development: A mineral magnetic study. Catena, 2023, 233, 107442.	5.0	2
305	KÃ¼Ã¼kÃ¼sekmece LagÃ¼nÃ¼'nÃ¼n Ã¼zvre ManyetizmasÃ¼: Son 3900 yÃ¼l boyunca paleo-ortam deÃ¼yÃ¼mleri. Acta Mathematica Spalatensia, 2023, 9, 545-559.	0.3	0
306	Magnetite in Muong Nongâ€“Type Australasian Tektites From South China. Geochemistry, Geophysics, Geosystems, 2023, 24, .	2.5	0
307	Low Temperature Magnetic Properties of Variably Oxidized Natural and Synthetic Siderite. Geochemistry, Geophysics, Geosystems, 2023, 24, .	2.5	0
308	Stratigraphic correlation between the lower Pleistocene Chikura Group in the southern part of the Boso Peninsula and the Kazusa Group in the eastern part of the peninsula, based on magneto- and tephro-stratigraphy. Journal of the Geological Society of Japan, 2023, 129, 469-487.	0.6	0
309	Structural, electronic and magnetic properties of greigite Fe <sub>3</sub> S <sub>4</sub> by GGA and GGA+U versus SCAN meta-GGA density functionals. Journal of Physics Condensed Matter, 0, , .	1.8	0
310	Magnetometer mapping of drowned prehistoric landscapes for Archaeological Heritage Management in the Netherlands. Archaeological Prospection, 0, , .	2.2	0
311	Millennial and suborbital-scale El NiÃ±o/Southern Oscillation control of climate variability in southern China over the past 70â€“ka. Palaeogeography, Palaeoclimatology, Palaeoecology, 2024, 637, 111987.	2.3	0
312	Single-Domain Hard Ferromagnetic M-SrFe Nanoparticles for Magnetic Data Storage. Journal of Metastable and Nanocrystalline Materials, 0, 38, 31-41.	0.1	0
313	The Messinian salinity crisis onset in Albania: An integrated approach by bio-magnetostratigraphy and rock magnetic analyses. Palaeogeography, Palaeoclimatology, Palaeoecology, 2024, 638, 112036.	2.3	0
314	Magnetostratigraphic dating of Early <scp>Miocene</scp> deepâ€“sea fossils from the <scp>Morozaki Group</scp> in central <scp>Japan</scp>. Island Arc, 2024, 33, .	1.1	0
315	Low-temperature magnetic behavior of isocubanite from seafloor hydrothermal deposits in the Okinawa Trough. Physics and Chemistry of Minerals, 2024, 51, .	0.8	0
316	Barnacle attachment and its corrosion effects on the surface of the Yangtze Estuary II Shipwreck. Journal of Cultural Heritage, 2024, 67, 73-79.	3.3	0

#	ARTICLE	IF	CITATIONS
317	Glacier Melting Triggers Massive Gravel Deposition in Central Italy's River Basins, Unveiling Deglacial Events From 1250 to 780 ka. Journal of Geophysical Research: Solid Earth, 2024, 129, .	3.4	0
318	Weathering trends in the Norian through geochemical and rock magnetic analyses from the Pignola–Abriola section (Lagonegro Basin, Italy). Climate of the Past, 2024, 20, 637-658.	3.4	0