Pierre Rochette

List of Publications by Year
in descending order

265 papers	10,106 citations	36303 51 h-index	46799 89 g-index
267 all docs	267 docs citations	267 times ranked	6258 citing authors

#	Article	IF	Citations
1	Rock magnetism and the interpretation of anisotropy of magnetic susceptibility. Reviews of Geophysics, 1992, 30, 209-226.	23.0	779
2	Timing of the Ethiopian flood basalt event and implications for plume birth and global change. Nature, 1997, 389, 838-841.	27.8	587
3	Magnetic susceptibility of the rock matrix related to magnetic fabric studies. Journal of Structural Geology, 1987, 9, 1015-1020.	2.3	448
4	Magnetic transition at 30â€“34 Kelvin in pyrrhotite: insight into a widespread occurrence of this mineral in rocks. Earth and Planetary Science Letters, 1990, 98, 319-328.	4.4	260
5	Is this magnetic fabric normal? A review and case studies in volcanic formations. Tectonophysics, 1999, 307, 219-234.	2.2	196
6	Radar-Enabled Recovery of the Sutterâ€™s Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. Science, 2012, 338, 1583-1587.	12.6	191
7	Microstructure and magnetic susceptibility applied to emplacement kinematics of granites: the example of the foix pluton (French pyrenees). Tectonophysics, 1990, 184, 157-171.	2.2	171
8	The Paris meteorite, the least altered CM chondrite so far. Geochimica Et Cosmochimica Acta, 2014, 124, 190-222.	3.9	163
9	Inverse magnetic fabric in carbonate-bearing rocks. Earth and Planetary Science Letters, 1988, 90, 229-237.	4.4	136
10	Toward a robust normalized magnetic paleointensity method applied to meteorites. Earth and Planetary Science Letters, 2004, 227, 377-393.	4.4	133
11	Grainâ€size dependence of the magnetic behavior of pyrrhotite during its lowâ€temperature transition at 34 K. Geophysical Research Letters, 1989, 16, 855-858.	4.0	132
12	Paleomagnetic Records of Meteorites and Early Planetesimal Differentiation. Space Science Reviews, 2010, 152, 341-390.	8.1	128
13	Pyrrhotite and the remanent magnetization of SNC meteorites: a changing perspective on Martian magnetism. Earth and Planetary Science Letters, 2001, 190, 1-12.	4.4	125
14	Magnetic classification of stony meteorites: 1. Ordinary chondrites. Meteoritics and Planetary Science, 2003, 38, 251-268.	1.6	125
15	Magnetostratigraphy and timing of the Oligocene Ethiopian traps. Earth and Planetary Science Letters, 1998, 164, 497-510.	4.4	123
16	Longitudinal confinement of geomagnetic reversal paths as a possible sedimentary artefact. Nature, 1992, 358, 226-230.	27.8	109
17	Dating the Homo erectus bearing travertine from KocabaÅŸ (Denizli, Turkey) at at least 1.1 Ma. Earth and Planetary Science Letters, 2014, 390, 8-18.	4.4	109
18	Distribution of crustal magnetic fields on Mars: Shock effects of basin-forming impacts. Geophysical Research Letters, 2003, 30, .	4.0	102

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19	Micrometeorites from the Transantarctic Mountains. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18206-18211.	7.1	102
20	Earliest known hominin activity in the Philippines by 709 thousand years ago. Nature, 2018, 557, 233-237.	27.8	102
21	Magnetic susceptibility of the Montâ€Louis andorra ilmeniteâ€type granite (Pyrenees): A new tool for the petrographic characterization and regional mapping of zoned granite plutons. Journal of Geophysical Research, 1993, 98, 4317-4331.	3.3	101
22	The Gangotri granite (Garhwal Himalaya): Laccolithic emplacement in an extending collisional belt. Journal of Geophysical Research, 1995, 100, 585-607.	3.3	101
23	Tissint Martian Meteorite: A Fresh Look at the Interior, Surface, and Atmosphere of Mars. Science, 2012, 338, 785-788.	12.6	100
24	Relationship between heavy metals and magnetic properties in a large polluted catchment: The Etang de Berre (south of France). Physics and Chemistry of the Earth, 1997, 22, 211-214.	0.3	97
25	Magnetic Signature of Industrial Pollution of Stream Sediments and Correlation with Heavy Metals: Case Study from South France. Water, Air, and Soil Pollution, 2004, 152, 297-312.	2.4	96
26	Metamorphic control of the magnetic mineralogy of black shales in the Swiss Alps: toward the use of â€œmagnetic isogradesâ€• Earth and Planetary Science Letters, 1987, 84, 446-456.	4.4	94
27	Density, magnetic susceptibility, and the characterization of ordinary chondrite falls and showers. Meteoritics and Planetary Science, 2006, 41, 331-342.	1.6	85
28	Pore-throat characterization in highly porous and permeable sandstones. AAPG Bulletin, 2009, 93, 719-739.	1.5	81
29	Matching Martian crustal magnetization and magnetic properties of Martian meteorites. Meteoritics and Planetary Science, 2005, 40, 529-540.	1.6	80
30	Identification of the parent bodies of micrometeorites with high-precision oxygen isotope ratios. Earth and Planetary Science Letters, 2010, 293, 313-320.	4.4	77
31	Rock magnetism of remagnetized Paleozoic carbonates: Lowâ€temperature behavior and susceptibility characteristics. Journal of Geophysical Research, 1993, 98, 6217-6225.	3.3	73
32	Magnetic classification of stony meteorites: 2. Nonâ€ordinary chondrites. Meteoritics and Planetary Science, 2008, 43, 959-980.	1.6	73
33	Non-saturation of the defect moment of goethite and fine-grained hematite up to 57 Teslas. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	71
34	High pressure magnetic transition in pyrrhotite and impact demagnetization on Mars. Geophysical Research Letters, 2003, 30, .	4.0	70
35	An impact origin for the foliation of chondrites. Earth and Planetary Science Letters, 2005, 234, 351-368.	4.4	68
36	Geophysical and structural signatures of syntectonic batholith construction: the South Mountain Batholith, Meguma Terrane, Nova Scotia. Geophysical Journal International, 1999, 136, 144-158.	2.4	67

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37	Field and temperature behavior of remanence in synthetic goethite: Paleomagnetic implications. Geophysical Research Letters, 1989, 16, 851-854.	4.0	64
38	Magnetic mineralogy of some granites from the French Massif Central: origin of their low-field susceptibility. Physics of the Earth and Planetary Interiors, 1989, 55, 79-92.	1.9	64
39	Rationale of geomagnetic reversals versus remanence recording processes in rocks: a critical review. Earth and Planetary Science Letters, 1990, 98, 33-39.	4.4	64
40	The effects of explosive-driven shocks on the natural remanent magnetization and the magnetic properties of rocks. Physics of the Earth and Planetary Interiors, 2007, 162, 85-98.	1.9	64
41	Asteroid colors: a novel tool for magnetic field detection? The case of Vesta. Astronomy and Astrophysics, 2006, 451, L43-L46.	5.1	62
42	Evaluating the role of sulfide-weathering in the formation of sulfates or carbonates on Mars. Geochimica Et Cosmochimica Acta, 2012, 90, 47-63.	3.9	62
43	Development of planar and linear fabrics in Dauphinois shales and slates (French Alps) studied by magnetic anisotropy and its mineralogical control. Journal of Structural Geology, 1984, 6, 33-38.	2.3	61
44	Inter-laboratory calibration of low-field magnetic and anhysteretic susceptibility measurements. Physics of the Earth and Planetary Interiors, 2003, 138, 25-38.	1.9	60
45	Microtektites from Victoria Land Transantarctic Mountains. Geology, 2008, 36, 291.	4.4	60
46	Correlation between magnetic parameters and chemical composition of lake sediments from northern Bohemiaâ€"Preliminary study. Physics and Chemistry of the Earth, 1998, 23, 1123-1126.	0.3	58
47	An early solar system magnetic field recorded in CM chondrites. Earth and Planetary Science Letters, 2015, 410, 62-74.	4.4	57
48	Identification of multicomponent anisotropies in rocks using various field and temperature values in a cryogenic magnetometer. Physics of the Earth and Planetary Interiors, 1988, 51, 379-386.	1.9	56
49	Magnetic properties of the High Himalayan leucogranites: Structural implications. Earth and Planetary Science Letters, 1994, 126, 217-234.	4.4	56
50	Metal phases in ordinary chondrites: Magnetic hysteresis properties and implications for thermal history. Meteoritics and Planetary Science, 2014, 49, 652-676.	1.6	56
51	Integrated stratigraphy of the Oligocene pelagic sequence in the Umbria-Marche basin (northeastern) Tj ETQq1 1 0.784314 rgBT /Ove boundary. Bulletin of the Geological Society of America, 2008, 120, 487-511.	3.3	55
52	FRIGN zirconâ€"The only terrestrial mineral diagnostic of high-pressure and high-temperature shock deformation. Geology, 2018, 46, 891-894.	4.4	55
53	Diabase Dikes Emplacement in the Oman Ophiolite: A Magnetic Fabric Study with Reference to Geochemistry. Petrology and Structural Geology, 1991, , 55-82.	0.5	55
54	Shock-induced metallic iron nanoparticles in olivine-rich Martian meteorites. Earth and Planetary Science Letters, 2007, 262, 37-49.	4.4	53

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55	Transantarctic Mountain microtektites: Geochemical affinity with Australasian microtektites. Geochimica Et Cosmochimica Acta, 2009, 73, 3694-3722.	3.9	52
56	Magnetic properties of a freshly fallen LL ordinary chondrite: the Bensour meteorite. Physics of the Earth and Planetary Interiors, 2003, 140, 343-358.	1.9	51
57	Martian meteorites and Martian magnetic anomalies: A new perspective from NWA 7034. Geophysical Research Letters, 2014, 41, 4859-4864.	4.0	50
58	Subtle stretching lineation revealed by magnetic fabric of Callovian-Oxfordian black shales (French) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	49
59	On the efficiency of shock magnetization processes. Physics of the Earth and Planetary Interiors, 2008, 166, 1-10.	1.9	47
60	Magnetic classification of stony meteorites: 3. Achondrites. Meteoritics and Planetary Science, 2009, 44, 405-427.	1.6	47
61	Petrophysical and magnetic pore network anisotropy of some cretaceous sandstone from Tushka Basin, Egypt. Geophysical Journal International, 2009, 177, 43-61.	2.4	46
62	Magnetic study of large Apollo samples: Possible evidence for an ancient centered dipolar field on the Moon. Earth and Planetary Science Letters, 2012, 331-332, 31-42.	4.4	46
63	Estimating peak currents at ground lightning impacts using remanent magnetization. Geophysical Research Letters, 2002, 29, 14-1-14-4.	4.0	45
64	Chondritic micrometeorites from the Transantarctic Mountains. Meteoritics and Planetary Science, 2012, 47, 228-247.	1.6	45
65	Weathering of iron-rich phases in simulated Martian atmospheres. Geology, 2004, 32, 1033.	4.4	44
66	Magnetic properties of lunar materials: Meteorites, Luna and Apollo returned samples. Earth and Planetary Science Letters, 2010, 292, 383-391.	4.4	44
67	Experimental evaluation of magnetic interaction in pyrrhotite bearing samples. Physics of the Earth and Planetary Interiors, 2005, 153, 181-190.	1.9	43
68	Iron weathering products in a CO2+(H2O or H2O2) atmosphere: Implications for weathering processes on the surface of Mars. Geochimica Et Cosmochimica Acta, 2006, 70, 4295-4317.	3.9	41
69	Magnetic susceptibility, magnetic mineralogy and magnetic fabrics in a late Archean granitoid-gneiss belt. Precambrian Research, 1993, 63, 59-81.	2.7	39
70	A common volatilization trend in Transantarctic Mountain and Australasian microtektites: Implications for their formation model and parent crater location. Earth and Planetary Science Letters, 2010, 293, 135-139.	4.4	39
71	Major, trace element and oxygen isotope study of glass cosmic spherules of chondritic composition: The record of their source material and atmospheric entry heating. Geochimica Et Cosmochimica Acta, 2011, 75, 5203-5218.	3.9	39
72	Composite magnetic fabric in weakly deformed black shales. Physics of the Earth and Planetary Interiors, 1995, 87, 267-278.	1.9	38

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73	Calibration ofin situmagnetic susceptibility measurements. Geophysical Journal International, 2004, 158, 42-49.	2.4	38
74	Statistical properties of the Transantarctic Mountains (TAM) micrometeorite collection. Polar Science, 2009, 3, 100-109.	1.2	38
75	The densest meteorite collection area in hot deserts: The San Juan meteorite field (Atacama Desert,) Tj ETQq1 1 0.784314 rgBT /Overlo	1.6	38
76	Indentation and rotation in the western Alpine arc. Geological Society Special Publication, 1989, 45, 329-338.	1.3	37
77	The magnetic fabric of weakly deformed Late Jurassic shales from the southern subalpines chains (French Alps): evidence for SW-directed tectonic transport direction. Tectonophysics, 1999, 307, 15-31.	2.2	37
78	The parent body controls on cosmic spherule texture: Evidence from the oxygen isotopic compositions of large micrometeorites. Geochimica Et Cosmochimica Acta, 2017, 212, 196-210.	3.9	37
79	Evidence for a geomagnetic excursion recorded in the sediments of Lac St. Front, France: A link with the Laschamp excursion?. Journal of Geophysical Research, 1996, 101, 28211-28230.	3.3	35
80	Meteoritic ablation debris from the Transantarctic Mountains: Evidence for a Tunguska-like impact over Antarctica ca. 480ka ago. Earth and Planetary Science Letters, 2010, 293, 104-113.	4.4	35
81	Investigating impact demagnetization through laser impacts and SQUID microscopy. Geology, 2006, 34, 333.	4.4	34
82	Electric pore fabric of the Nubia sandstones in south Egypt: characterization and modelling. Geophysical Journal International, 2010, 183, 681-694.	2.4	34
83	Demagnetization of terrestrial and extraterrestrial rocks under hydrostatic pressure up to 1.2GPa. Physics of the Earth and Planetary Interiors, 2010, 179, 7-20.	1.9	34
84	Low temperature magnetic transition of chromite in ordinary chondrites. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	34
85	The emplacement of the Manaslu granite of Central Nepal: field and magnetic susceptibility constraints. Geological Society Special Publication, 1993, 74, 413-428.	1.3	33
86	In situ identification, pairing, and classification of meteorites from Antarctica through magnetic susceptibility measurements. Meteoritics and Planetary Science, 2006, 41, 343-353.	1.6	32
87	An extended field of crater-shaped structures in the Gilf Kebir region, Egypt: Observations and hypotheses about their origin. Journal of African Earth Sciences, 2006, 46, 281-299.	2.0	32
88	The Pyrrhotite 32 K Magnetic Transition. Solid State Phenomena, 0, 170, 174-179.	0.3	32
89	Magnetic study of an Antarctic weathering profile on basalt: Implications for recent weathering on Mars. Earth and Planetary Science Letters, 2006, 244, 501-514.	4.4	31
90	Magnetic hysteresis properties and 57Fe MÃ¶ssbauer spectroscopy of iron and stony-iron meteorites: Implications for mineralogy and thermal history. Physics of the Earth and Planetary Interiors, 2015, 242, 50-64.	1.9	31

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91	Opaque minerals, magnetic properties, and paleomagnetism of the Tissint Martian meteorite. Meteoritics and Planetary Science, 2013, 48, 1919-1936.	1.6	29
92	High-precision three-dimensional paleothermometry derived from paleomagnetic data in an Alpine metamorphic unit. Geology, 1999, 27, 503.	4.4	28
93	Metalliferous sediments from Eolo Seamount (Tyrrhenian Sea): Hydrothermal deposition and re-deposition in a zone of oxygen depletion. Chemical Geology, 2009, 264, 347-363.	3.3	28
94	Density, porosity, mineralogy, and internal structure of cosmic dust and alteration of its properties during highâ€velocity atmospheric entry. Meteoritics and Planetary Science, 2014, 49, 1157-1170.	1.6	28
95	Northwest Africa 5790: Revisiting nakhlite petrogenesis. Geochimica Et Cosmochimica Acta, 2016, 190, 191-212.	3.9	28
96	Cooling history of the Dauphinoise Zone (Western Alps, France) deduced from the thermopaleomagnetic record: geodynamic implications. Tectonophysics, 2001, 340, 79-93.	2.2	27
97	Magnetic fabric of granitoids from Southern Corsica and Northern Sardinia and implications for Late Hercynian tectonic setting. Journal of the Geological Society, 2004, 161, 277-289.	2.1	27
98	Shocked quartz and other mineral inclusions in Australasian microtektites. Geology, 2010, 38, 211-214.	4.4	26
99	Rate and processes of river network rearrangement during incipient faulting: The case of the Cahabon River, Guatemala. Numerische Mathematik, 2012, 312, 449-507.	1.4	26
100	Complete Genome Sequence of a New Member of the Marseilleviridae Recovered from the Brackish Submarine Spring in the Cassis Port-Miou Calanque, France. Genome Announcements, 2015, 3, .	0.8	26
101	Description of a very dense meteorite collection area in western Atacama: Insight into the longâ€term composition of the meteorite flux to Earth. Meteoritics and Planetary Science, 2016, 51, 468-482.	1.6	26
102	Microstructural analysis and origin of lineations in the magnetic fabric of some Alpine slates. Tectonophysics, 1987, 139, 285-293.	2.2	25
103	Craton vs. rift uppermost mantle contributions to magnetic anomalies in the United States interior. Tectonophysics, 2014, 624-625, 15-23.	2.2	25
104	Pseudopaleosecular variation due to remanence anisotropy in a pyroclastic flow succession. Geophysical Research Letters, 2002, 29, 127-1-127-4.	4.0	24
105	Pressure demagnetization of the Martian crust: Ground truth from SNC meteorites. Geophysical Research Letters, 2007, 34, .	4.0	24
106	Magnetic anisotropy of HED and Martian meteorites and implications for the crust of Vesta and Mars. Earth and Planetary Science Letters, 2008, 270, 280-289.	4.4	24
107	Magnetic field microscopy of rock samples using a giant magnetoresistanceâ€“based scanning magnetometer. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	24
108	Magnetism of Extraterrestrial Materials. Elements, 2009, 5, 223-228.	0.5	24

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109	Metalliferous sediments from the H.M.S. Challenger voyage (1872â€“1876). Geochimica Et Cosmochimica Acta, 2010, 74, 5019-5038.	3.9	24
110	Ordinary chondrite-related giant (>800Î¼m) cosmic spherules from the Transantarctic Mountains, Antarctica. Geochimica Et Cosmochimica Acta, 2011, 75, 6200-6210.	3.9	24
111	Origin of the central magnetic anomaly at the Haughton impact structure, Canada. Earth and Planetary Science Letters, 2013, 367, 116-122.	4.4	24
112	A magnetotectonic study of the Hercynian Montagne Noire (France). Tectonics, 1986, 5, 733-751.	2.8	23
113	Experimental evaluation of thermal recording of successive polarities during uplift of metasediments. Geophysical Journal International, 2001, 145, 771-785.	2.4	23
114	HED-like cosmic spherules from the Transantarctic Mountains, Antarctica: Major and trace element abundances and oxygen isotopic compositions. Geochimica Et Cosmochimica Acta, 2012, 77, 515-529.	3.9	23
115	Stretching out the Australasian microtektite strewn field in Victoria Land Transantarctic Mountains. Polar Science, 2016, 10, 147-159.	1.2	23
116	Volumetric changes in weathered profiles: iso-element mass balance method questioned by magnetic fabric. Earth and Planetary Science Letters, 1999, 167, 255-267.	4.4	22
117	High-resolution magnetostratigraphic and biostratigraphic study of Ethiopian traps-related products in Oligocene sediments from the Indian Ocean. Earth and Planetary Science Letters, 2003, 206, 493-508.	4.4	22
118	Magnetic properties of micrometeorites. Journal of Geophysical Research, 2009, 114, .	3.3	22
119	Equatorial paleosecular variation of the geomagnetic field from 0 to 3 Ma lavas from the Galapagos Islands. Physics of the Earth and Planetary Interiors, 2010, 183, 404-412.	1.9	22
120	Constraining the terrestrial age of micrometeorites using their record of the Earth's magnetic field polarity. Geology, 2011, 39, 123-126.	4.4	22
121	The meteorite flux of the past 2 m.y. recorded in the Atacama Desert. Geology, 2019, 47, 673-676.	4.4	22
122	Structure of a hypovolcanic acid complex inferred from magnetic susceptibility anisotropy measurements: the Western Red Hills granites (Skye, Scotland, Thulean Igneous Province). Bulletin of Volcanology, 1997, 59, 147-159.	3.0	21
123	Ã‰tudes stratigraphique, sÃ©dimentologique et palÃ©omagnÃ©tique des travertins de KocabaÅŸ, Bassin de Denizli, Anatolie, Turquie, contenant des restes fossiles quaternaires. Anthropologie, 2014, 118, 16-33.	0.4	21
124	Kinetics of tetrataenite disordering. Journal of Magnetism and Magnetic Materials, 2015, 375, 234-241.	2.3	21
125	Weaker axially dipolar time-averaged paleomagnetic field based on multidomain-corrected paleointensities from Galapagos lavas. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15036-15041.	7.1	21
126	Cooling rate effect on thermoremanent magnetization in archaeological baked clays: an experimental study on modern bricks. Geophysical Journal International, 2019, 217, 1413-1424.	2.4	21

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127	Water and heat: New constraints on the evolution of the CV chondrite parent body. Geochimica Et Cosmochimica Acta, 2020, 276, 363-383.	3.9	21
128	Some additional hysteresis parameters for a natural (titano)magnetite with known grain size. Geophysical Research Letters, 1996, 23, 2803-2806.	4.0	20
129	Evidence for active retreat of a coastal cliff between 3.5 and 12 ka in Cassis (South East France). Geomorphology, 2010, 115, 1-10.	2.6	20
130	Magnetic properties of tektites and other related impact glasses. Earth and Planetary Science Letters, 2015, 432, 381-390.	4.4	20
131	Modification of <scp>REE</scp> distribution of ordinary chondrites from Atacama (Chile) and Lut (Iran) hot deserts: Insights into the chemical weathering of meteorites. Meteoritics and Planetary Science, 2017, 52, 1843-1858.	1.6	20
132	Magnetic properties of chemical remanent magnetization in synthetic and natural goethite: Prospects for a natural remanent magnetization/thermoremenant magnetization ratio paleomagnetic stability test?. Journal of Geophysical Research, 1992, 97, 17291-17307.	3.3	19
133	Thermochronometry and cooling rates deduced from single sample records of successive magnetic polarities during uplift of metamorphic rocks in the Alps (France). Geophysical Journal International, 1992, 108, 491-501.	2.4	19
134	Neutron study of 4C pyrrhotite. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1985-1986.	2.3	19
135	An anthropogenic origin of the â€œSirente crater,â€•Abruzzi, Italy. Meteoritics and Planetary Science, 2004, 39, 635-649.	1.6	19
136	A multi-radionuclide approach for in situ produced terrestrial cosmogenic nuclides: 10Be, 26Al, 36Cl and 41Ca from carbonate rocks. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1179-1184.	1.4	19
137	Kinematic evolution of the Mbakop Panâ€“African granitoids (western Cameroon domain): An integrated AMS and EBSD approach. Journal of Structural Geology, 2018, 111, 42-63.	2.3	19
138	THE LOW TEMPERATURE TRANSITION IN MONOCLINIC PYRRHOTITE. Journal De Physique Colloque, 1988, 49, C8-907-C8-908.	0.2	19
139	Post-Middle Miocene rotations recorded in the Bourg d'Oisans area (Western Alps, France) by paleomagnetism. Tectonophysics, 1996, 263, 137-148.	2.2	18
140	Magnetism, Iron Minerals, and Life on Mars. Astrobiology, 2006, 6, 423-436.	3.0	18
141	Magnetic study of meteorites recovered in the Atacama desert (Chile): Implications for meteorite paleomagnetism and the stability of hot desert surfaces. Physics of the Earth and Planetary Interiors, 2012, 200-201, 113-123.	1.9	18
142	10Be in Australasian microtektites compared to tektites: Size and geographic controls. Geology, 2018, 46, 803-806.	4.4	18
143	Palaeointensity results from Ethiopian basalts: implications for the Oligocene geomagnetic field strength. Geophysical Journal International, 1999, 138, 590-596.	2.4	17
144	NÃ©el temperatures of synthetic substituted goethites and their rapid determination using low-field susceptibility curves. Geophysical Research Letters, 1999, 26, 2125-2128.	4.0	17

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145	Deep metastable eutectic condensation in Al-Fe-SiO-H2-O2 vapors: Implications for natural Fe-aluminosilicates. American Mineralogist, 2006, 91, 1688-1698.	1.9	17
146	Geoarchaeology of Ancient Aulis (Boeotia, Central Greece): human occupation and Holocene landscape changes. Journal of Archaeological Science, 2013, 40, 2071-2083.	2.4	17
147	Surface vitrification caused by natural fires in Late Pleistocene wetlands of the Atacama Desert. Earth and Planetary Science Letters, 2017, 469, 15-26.	4.4	17
148	Australasian microtektites: Impactor identification using Cr, Co and Ni ratios. Geochimica Et Cosmochimica Acta, 2018, 222, 550-568.	3.9	17
149	Meteorites from the Lut Desert (Iran). Meteoritics and Planetary Science, 2019, 54, 1737-1763.	1.6	17
150	Nonmagnetic high pressure cell for magnetic remanence measurements up to 1.5 GPa in a superconducting quantum interference device magnetometer. Review of Scientific Instruments, 2008, 79, 115102.	1.3	16
151	The Braunschweig meteorite â˜ a recent L6 chondrite fall in Germany. Chemie Der Erde, 2017, 77, 207-224.	2.0	16
152	Comments on â€œAnisotropic magnetic susceptibility in the continental lower crust and its implication for the shape of magnetic anomaliesâ€•by G. Florio et al.. Geophysical Research Letters, 1994, 21, 2773-2774.	4.0	15
153	Title is missing!. Geologie En Mijnbouw/Netherlands Journal of Geosciences, 1997, 76, 9-19.	0.9	15
154	Experimental shock metamorphism of the L4 ordinary chondrite Saratov induced by spherical shock waves up to 400â€ƒGPa. Meteoritics and Planetary Science, 2010, 45, 1007-1020.	1.6	15
155	Magnetic properties of the <scp>LL</scp>5 ordinary chondrite Chelyabinsk (fall of February 15, 2013). Meteoritics and Planetary Science, 2014, 49, 958-977.	1.6	15
156	Relations entre dÃ©formation et mÃ©tamorphisme alpin dans les schistes noirs helvÃ©tiques : lâ€™apport de la fabrique magnÃ©tique. Geodinamica Acta, 1988, 2, 17-24.	2.2	15
157	Rock magnetic investigation of possible sources of the Bangui magnetic anomaly. Physics of the Earth and Planetary Interiors, 2013, 224, 11-20.	1.9	14
158	Impact glasses from Belize represent tektites from the Pleistocene Pantasma impact crater in Nicaragua. Communications Earth & Environment, 2021, 2, 94.	6.8	14
159	The origin of magnetic susceptibility and its anisotropy in some weathered profiles. Physics and Chemistry of the Earth, 1997, 22, 183-187.	0.3	13
160	Rock magnetic applications of Halbach cylinders. Physics of the Earth and Planetary Interiors, 2001, 126, 109-117.	1.9	13
161	Le karst des plateaux jurassiques de la moyenne valee de l'Ardeche; datation par paleomagnetisme des phases d'evolution plio-quaternaires (aven de la Combe Rajeau). Bulletin - Societie Geologique De France, 2001, 172, 121-129.	2.2	13
162	Interest and design of magnetic properties measurements on planetary and asteroidal landers. Planetary and Space Science, 2004, 52, 987-995.	1.7	13

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163	Sahara 03505 sulfideâ€rich iron meteorite: Evidence for efficient segregation of sulfideâ€rich metallic melt during highâ€degree impact melting of an ordinary chondrite. Meteoritics and Planetary Science, 2009, 44, 221-231.	1.6	13
164	Impactâ€related noncoaxial deformation in the PuÅ‚tusk H chondrite inferred from petrofabric analysis. Meteoritics and Planetary Science, 2015, 50, 401-417.	1.6	13
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