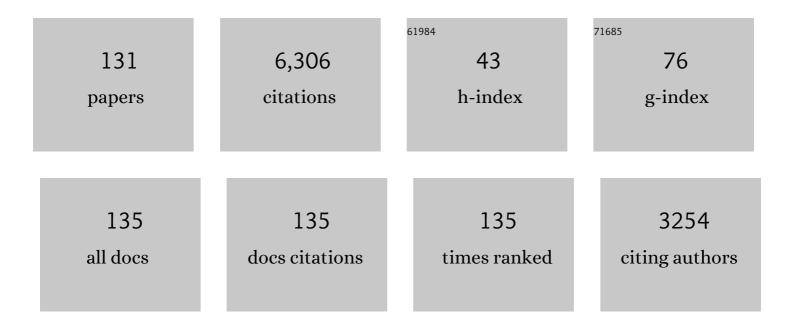
Michael J Jackson

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Lamellar magnetism and exchange bias in billion-year-old metamorphic titanohematite with nanoscale ilmenite exsolution lamellae – III. Atomic-magnetic basis for experimental results. Geophysical Journal International, 2021, 226, 1348-1367.	2.4	2
2	Remagnetization of Red Beds on the Tibetan Plateau: Mechanism and Diagnosis. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020068.	3.4	14
3	Beyond the second-order magnetic anisotropy tensor: higher-order components due to oriented magnetite exsolutions in pyroxenes, and implications for palaeomagnetic and structural interpretations. Geophysical Journal International, 2020, 223, 915-933.	2.4	5
4	On the distribution of Verwey transition temperatures in natural magnetites. Geophysical Journal International, 2020, 224, 1314-1325.	2.4	23
5	Anisotropy of Full and Partial Anhysteretic Remanence Across Different Rock Types: 1—Are Partial Anhysteretic Remanence Anisotropy Tensors Additive?. Tectonics, 2020, 39, e2018TC005284.	2.8	3
6	Anisotropy of Full and Partial Anhysteretic Remanence Across Different Rock Types: 2—Coercivity Dependence of Remanence Anisotropy. Tectonics, 2020, 39, e2018TC005285.	2.8	4
7	Magnetiteâ€out and pyrrhotiteâ€in temperatures in shales and slates. Terra Nova, 2019, 31, 534-539.	2.1	11
8	Challenges in isolating primary remanent magnetization from Tethyan carbonate rocks on the Tibetan Plateau: Insight from remagnetized Upper Triassic limestones in the eastern Qiangtang block. Earth and Planetary Science Letters, 2019, 523, 115695.	4.4	13
9	Magnetic mineral assemblage as a potential indicator of depositional environment in gas-bearing Silurian shales from Northern Poland. Geophysical Journal International, 2019, 218, 1442-1455.	2.4	3
10	Evaluating deciduous tree leaves as biomonitors for ambient particulate matter pollution in Pittsburgh, PA, USA. Environmental Monitoring and Assessment, 2019, 191, 711.	2.7	5
11	Nanogoethite as a Potential Indicator of Remagnetization in Red Beds. Geophysical Research Letters, 2019, 46, 12841-12850.	4.0	6
12	Anisotropy of (partial) isothermal remanent magnetization: DC-field-dependence and additivity. Geophysical Journal International, 2019, 218, 1428-1441.	2.4	4
13	AF demagnetization and ARM acquisition at elevated temperatures in natural titanomagnetite bearing rocks. Geophysical Journal International, 2019, 219, 290-296.	2.4	0
14	Curie Temperature Enhancement and Cation Ordering in Titanomagnetites: Evidence From Magnetic Properties, XMCD, and MA¶ssbauer Spectroscopy. Geochemistry, Geophysics, Geosystems, 2019, 20, 2272-2289.	2.5	7
15	Grain-size-dependent remanence anisotropy and its implications for paleodirections and paleointensities – Proposing a new approach to anisotropy corrections. Earth and Planetary Science Letters, 2019, 512, 111-123.	4.4	12
16	Malleable Curie Temperatures of Natural Titanomagnetites: Occurrences, Modes, and Mechanisms. Journal of Geophysical Research: Solid Earth, 2018, 123, 921-940.	3.4	13
17	Paleointensity Estimates From Ignimbrites: The Bishop Tuff Revisited. Geochemistry, Geophysics, Geosystems, 2018, 19, 3811-3831.	2.5	8
18	Revised age constraints for Late Cretaceous to early Paleocene terrestrial strata from the Dawson Creek section, Big Bend National Park, west Texas. Bulletin of the Geological Society of America, 2018, 130. 1143-1163.	3.3	15

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19	Measuring, Processing, and Analyzing Hysteresis Data. Geochemistry, Geophysics, Geosystems, 2018, 19, 1925-1945.	2.5	64
20	Assessing New and Old Methods in Paleomagnetic Paleothermometry: A Test Case at Mt. St. Helens, USA. Geochemistry, Geophysics, Geosystems, 2018, 19, 1714-1730.	2.5	5
21	Remagnetization of the Paleogene Tibetan Himalayan carbonate rocks in the Gamba area: Implications for reconstructing the lower plate in the Indiaâ€Asia collision. Journal of Geophysical Research: Solid Earth, 2017, 122, 808-825.	3.4	47
22	Effect of magnetic anisotropy on the natural remanent magnetization in the MCU IVe' layer of the Bjerkreim Sokndal Layered Intrusion, Rogaland, Southern Norway. Journal of Geophysical Research: Solid Earth, 2017, 122, 790-807.	3.4	5
23	Lamellar magnetism and exchange bias in billion-year-old metamorphic titanohematite with nanoscale ilmenite exsolution lamellae – II: exchange-bias at 5ÂK after field-free cooling of NRM and after cooling in a +5 T field. Geophysical Journal International, 2017, 208, 895-917.	2.4	3
24	Remagnetization of carbonate rocks in southern Tibet: Perspectives from rock magnetic and petrographic investigations. Journal of Geophysical Research: Solid Earth, 2017, 122, 2434-2456.	3.4	37
25	Influence of static alternating field demagnetization on anisotropy of magnetic susceptibility: Experiments and implications. Geochemistry, Geophysics, Geosystems, 2017, 18, 3292-3308.	2.5	5
26	Reply to comment by Z. Yi et al. on "Remagnetization of the Paleogene Tibetan Himalayan carbonate rocks in the Gamba area: Implications for reconstructing the lower plate in the Indiaâ€Asia collision― Journal of Geophysical Research: Solid Earth, 2017, 122, 4859-4863.	3.4	6
27	Magnetic domains and magnetic stability of cohenite from the Morasko iron meteorite. Journal of Magnetism and Magnetic Materials, 2017, 426, 594-603.	2.3	3
28	Effects of titanomagnetite reordering processes on thermal demagnetization and paleointensity experiments. Geochemistry, Geophysics, Geosystems, 2016, 17, 4848-4858.	2.5	8
29	Magnetic fabrics in the Bjerkreim Sokndal Layered Intrusion, Rogaland, southern Norway: Mineral sources and geological significance. Tectonophysics, 2016, 688, 101-118.	2.2	9
30	Importance of titanohematite in detrital remanent magnetizations of strata spanning the <scp>C</scp> retaceousâ€ <scp>P</scp> aleogene boundary, <scp>H</scp> ell <scp>C</scp> reek region, <scp>M</scp> ontana. Geochemistry, Geophysics, Geosystems, 2016, 17, 660-678.	2.5	15
31	Geomagnetic paleointensity in historical pyroclastic density currents: Testing the effects of emplacement temperature and postemplacement alteration. Geochemistry, Geophysics, Geosystems, 2015, 16, 3607-3625.	2.5	12
32	Full vector lowâ€ŧemperature magnetic measurements of geologic materials. Geochemistry, Geophysics, Geosystems, 2015, 16, 301-314.	2.5	14
33	Geophysical Properties of the Near-Surface Earth: Magnetic Properties. , 2015, , 139-174.		13
34	Curie temperatures of titanomagnetite in ignimbrites: Effects of emplacement temperatures, cooling rates, exsolution, and cation ordering. Geochemistry, Geophysics, Geosystems, 2014, 15, 4343-4368.	2.5	20
35	A comparative study of magnetic anisotropy measurement techniques in relation to rock-magnetic properties. Tectonophysics, 2014, 629, 39-54.	2.2	25
36	Characterizing the superparamagnetic grain distribution of Chinese red-clay sequences by thermal fluctuation tomography. Global and Planetary Change, 2013, 110, 364-367.	3.5	16

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37	Inferred time- and temperature-dependent cation ordering in natural titanomagnetites. Nature Communications, 2013, 4, 1916.	12.8	50
38	Evidence for abundant isolated magnetic nanoparticles at the Paleocene–Eocene boundary. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 425-430.	7.1	52
39	Rock magnetism of remagnetized carbonate rocks: another look. Geological Society Special Publication, 2012, 371, 229-251.	1.3	57
40	High-temperature magnetic fabric development from plastically deformed magnetite in experimental shear zones. Geophysical Journal International, 2012, 189, 229-239.	2.4	12
41	Magnetic properties in an ash flow tuff with continuous grain size variation: A natural reference for magnetic particle granulometry. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	32
42	Structural geology, petrofabrics and magnetic fabrics (AMS, AARM, AIRM). Journal of Structural Geology, 2010, 32, 1519-1551.	2.3	236
43	On the quantitative analysis and evaluation of magnetic hysteresis data. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	79
44	Deconvolution of u channel magnetometer data: Experimental study of accuracy, resolution, and stability of different inversion methods. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	21
45	Remanence stability and magnetic fabric development in synthetic shear zones deformed at 500°C. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	22
46	Frequency and field dependent susceptibility of magnetite at low temperature. Earth, Planets and Space, 2009, 61, 125-131.	2.5	15
47	The magnetic properties of natural and synthetic (Fe , Mg1â^')2 SiO4 olivines. Earth and Planetary Science Letters, 2009, 284, 516-526.	4.4	41
48	Anisotropy of magnetic susceptibility studies in Tertiary ridge-parallel dykes (Iceland), Tertiary margin-normal Aishihik dykes (Yukon), and Proterozoic Kenora–Kabetogama composite dykes (Minnesota and Ontario). Tectonophysics, 2008, 448, 115-124.	2.2	20
49	AC magnetic susceptibility studies of Chinese red clay sediments between 4.8 and 4.1 Ma: Paleoceanographic and paleoclimatic implications. Journal of Geophysical Research, 2008, 113, .	3.3	27
50	Low-temperature magnetic properties of the Neuschwanstein EL6 meteorite. Earth and Planetary Science Letters, 2007, 261, 143-151.	4.4	15
51	Shock-induced metallic iron nanoparticles in olivine-rich Martian meteorites. Earth and Planetary Science Letters, 2007, 262, 37-49.	4.4	53
52	Characterizing the superparamagnetic grain distributionf(V,Hk) by thermal fluctuation tomography. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	33
53	Low-temperature magnetic behavior of multidomain titanomagnetites: TM0, TM16, and TM35. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	55
54	Introduction to the special section on Fundamental and Frontier Research in Rock Magnetism. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	1

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55	Lamellar magnetism: effects of interface versus exchange interactions of nanoscale exsolutions in the ilmenite-hematite system. Journal of Physics: Conference Series, 2005, 17, 154-167.	0.4	16
56	Temperature dependence of magnetic susceptibility in an argon environment: implications for pedogenesis of Chinese loess/palaeosols. Geophysical Journal International, 2005, 161, 102-112.	2.4	270
57	Magnetic fabric and microstructure of a mylonite: example from the Bitterroot shear zone, western Montana. Geological Society Special Publication, 2005, 245, 143-163.	1.3	12
58	The magnetic anisotropy of mantle peridotites: Example from the Twin Sisters dunite, Washington. Tectonophysics, 2005, 398, 141-166.	2.2	25
59	Inter-profile correlation of the Chinese loess/paleosol sequences during Marine Oxygen Isotope Stage 5 and indications of pedogenesis. Quaternary Science Reviews, 2005, 24, 195-210.	3.0	57
60	Determining the climatic boundary between the Chinese loess and palaeosol: evidence from aeolian coarse-grained magnetite. Geophysical Journal International, 2004, 156, 267-274.	2.4	49
61	The magnetism of a glacial aeolianite sequence from Lanzarote (Canary Islands): coupling between luvic calcisol formation and Saharan dust trapping processes during wet deposition events off northwestern Sahara. Geophysical Journal International, 2004, 157, 1090-1104.	2.4	40
62	Paramagnetic and ferromagnetic anisotropy of magnetic susceptibility in migmatites: measurements in high and low fields and kinematic implications. Geophysical Journal International, 2004, 157, 1119-1129.	2.4	59
63	New insights into partial oxidation model of magnetites and thermal alteration of magnetic mineralogy of the Chinese loess in air. Geophysical Journal International, 2004, 158, 506-514.	2.4	48
64	Anisotropy of magnetic susceptibility (AMS): magnetic petrofabrics of deformed rocks. Geological Society Special Publication, 2004, 238, 299-360.	1.3	158
65	More on the low-temperature magnetism of stable single domain magnetite: Reversibility and non-stoichiometry. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	27
66	Magnetic properties of the Old Crow tephra: Identification of a complex iron titanium oxide mineralogy. Journal of Geophysical Research, 2004, 109, .	3.3	28
67	Grain sizes of susceptibility and anhysteretic remanent magnetization carriers in Chinese loess/paleosol sequences. Journal of Geophysical Research, 2004, 109, .	3.3	47
68	Grain size distribution of pedogenic magnetic particles in Chinese loess/paleosols. Geophysical Research Letters, 2004, 31, .	4.0	72
69	Mechanism of the magnetic susceptibility enhancements of the Chinese loess. Journal of Geophysical Research, 2004, 109, .	3.3	89
70	Magnetic fabric: methods and applications — an introduction. Geological Society Special Publication, 2004, 238, 1-7.	1.3	33
71	Paleoenvironmental significance of the magnetic fabrics in Chinese loess-paleosols since the last interglacial (<130 ka). Earth and Planetary Science Letters, 2004, 221, 55-69.	4.4	102
72	Magnetic susceptibility anisotropy: A new petrofabric tool in migmatites. Journal of Geophysical Research, 2003, 108, .	3.3	40

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73	An integrated study of the grain-size-dependent magnetic mineralogy of the Chinese loess/paleosol and its environmental significance. Journal of Geophysical Research, 2003, 108, .	3.3	76
74	Paleomagnetic record of Martian meteorite ALH84001. Journal of Geophysical Research, 2003, 108, .	3.3	45
75	Correction to "Low-temperature remanence in stable single domain magnetite― Geophysical Research Letters, 2003, 30, .	4.0	7
76	Determination of magnetic carriers of the characteristic remanent magnetization of Chinese loess by low-temperature demagnetization. Earth and Planetary Science Letters, 2003, 216, 175-186.	4.4	19
77	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
78	A new method in mineral magnetism for the separation of weak antiferromagnetic signal from a strong ferrimagnetic background. Geophysical Research Letters, 2002, 29, 6-1.	4.0	43
79	Low-temperature magnetic behavior related to thermal alteration of siderite. Geophysical Research Letters, 2002, 29, 2-1-2-4.	4.0	17
80	Low-temperature remanence in stable single domain magnetite. Geophysical Research Letters, 2002, 29, 33-1.	4.0	39
81	A new method for the separation of paramagnetic and ferromagnetic susceptibility anisotropy using low field and high field methods. Geophysical Journal International, 2002, 151, 345-359.	2.4	44
82	Effects of low-temperature oxidation on natural remanent magnetization of Chinese loess. Science Bulletin, 2002, 47, 2100.	1.7	8
83	Unmixing magnetic assemblages and the magnetic behavior of bimodal mixtures. Journal of Geophysical Research, 2001, 106, 26397-26411.	3.3	62
84	A magnetic investigation along a NW-SE transect of the Chinese loess plateau and its implications. Physics and Chemistry of the Earth, 2001, 26, 867-872.	0.6	20
85	Variability of the temperature-dependent susceptibility of the Holocene eolian deposits in the Chinese loess plateau: A pedogenesis indicator. Physics and Chemistry of the Earth, 2001, 26, 873-878.	0.6	175
86	Anomalous unblocking temperatures, viscosity and frequency-dependent susceptibility in the chemically-remagnetized Trenton limestone. Physics of the Earth and Planetary Interiors, 2001, 126, 27-42.	1.9	18
87	Magnetic signatures of hydrological change in a tropical maar-lake (Lake Massoko, Tanzania): Preliminary results. Physics and Chemistry of the Earth, 1999, 24, 799-803.	0.6	38
88	Millennial-scale climatic change during the Last Interglacial Period: Superparamagnetic sediment proxy from Paleosol S1, western Chinese Loess Plateau. Geophysical Research Letters, 1999, 26, 2485-2488.	4.0	29
89	The superparamagnetism of Yucca Mountain Tuff. Journal of Geophysical Research, 1999, 104, 25415-25425.	3.3	123
90	Field-dependence of AC susceptibility in titanomagnetites. Earth and Planetary Science Letters, 1998, 157, 129-139.	4.4	98

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91	Low-temperature magnetic behavior of titanomagnetites. Earth and Planetary Science Letters, 1998, 157, 141-149.	4.4	220
92	Conference on Rock Magnetism Looks to the Future and the Past. Eos, 1996, 77, 491-494.	0.1	2
93	3-D tomographic imaging of anomalous stress conditions in a deep US gold mine. Journal of Applied Geophysics, 1996, 36, 1-17.	2.1	13
94	3-D tomographic imaging of anomalous conditions in a deep silver mine. Journal of Applied Geophysics, 1995, 34, 1-21.	2.1	27
95	Magnetic and petrofabric studies in the multiply deformed Thomson Formation, east-central Minnesota. Tectonophysics, 1995, 249, 109-124.	2.2	8
96	Scanning electron microscopy and rock magnetic studies of magnetic carriers in remagnetized early Paleozoic carbonates from Missouri. Journal of Geophysical Research, 1994, 99, 2935-2942.	3.3	31
97	Relationship between remagnetization, magnetic fabric and deformation in Paleozoic carbonates. Tectonophysics, 1993, 221, 361-366.	2.2	19
98	Changes in magnetic remanence during simulated deep sedimentary burial. Physics of the Earth and Planetary Interiors, 1993, 77, 315-327.	1.9	21
99	Experimental deformation of synthetic magnetiteâ€bearing calcite sandstones: Effects on remanence, bulk magnetic properties, and magnetic anisotropy. Journal of Geophysical Research, 1993, 98, 383-401.	3.3	65
100	Rock magnetism of remagnetized Paleozoic carbonates: Lowâ€ŧemperature behavior and susceptibility characteristics. Journal of Geophysical Research, 1993, 98, 6217-6225.	3.3	73
101	Regional shortening fabrics in eastern North America: Farâ€field stress transmission from the Appalachianâ€Ouachita Orogenic Belt. Tectonics, 1993, 12, 257-264.	2.8	70
102	The rock magnetic fingerprint of chemical remagnetization in midcontinental Paleozoic carbonates. Geophysical Research Letters, 1992, 19, 781-784.	4.0	31
103	Rock magnetism and the interpretation of anisotropy of magnetic susceptibility. Reviews of Geophysics, 1992, 30, 209-226.	23.0	779
104	Compositional control of magnetic anisotropy in the Thomson formation, east-central Minnesota. Tectonophysics, 1992, 210, 45-58.	2.2	11
105	Paleomagnetism of Latest Cambrianâ€Early Ordovician and Latest Cretaceousâ€Early Tertiary rocks of the Florida Mountains, southwest New Mexico. Journal of Geophysical Research, 1991, 96, 6053-6071.	3.3	12
106	Compositional control of anisotropy of remanent and induced magnetization in synthetic samples. Geophysical Research Letters, 1991, 18, 1293-1296.	4.0	11
107	On the origin of the magnetic fabric in purple Cambrian slates of North Wales. Tectonophysics, 1991, 194, 49-58.	2.2	14
108	Anisotropy of Magnetic Susceptibility and Remanence: Developments in the Characterization of Tectonic, Sedimentary and Igneous Fabric. Reviews of Geophysics, 1991, 29, 371-376.	23.0	85

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109	Spherical harmonic representation of the gravitational potential of discrete spherical mass elements. Geophysical Journal International, 1991, 107, 77-82.	2.4	6
110	On the distribution of anomalous mass within the Earth: forward models of the gravitational potential spectrum using ensembles of discrete mass elements. Geophysical Journal International, 1991, 107, 83-94.	2.4	6
111	Detrital Remanence, Inclination Errors, and Anhysteretic Remanence Anisotropy: Quantitative Model and Experimental Results. Geophysical Journal International, 1991, 104, 95-103.	2.4	140
112	Anisotropy of magnetic remanence: A brief review of mineralogical sources, physical origins, and geological applications, and comparison with susceptibility anisotropy. Pure and Applied Geophysics, 1991, 136, 1-28.	1.9	247
113	Magnetic viscosity of single domain magnetite particles. Journal of Applied Physics, 1991, 70, 5533-5537.	2.5	9
114	Magnetic anisotropy of the Trenton limestone revisited. Geophysical Research Letters, 1990, 17, 1121-1124.	4.0	14
115	Fourier analysis of digital hysteresis data: rock magnetic applications. Physics of the Earth and Planetary Interiors, 1990, 65, 78-87.	1.9	78
116	Diagenetic sources of stable remanence in remagnetized paleozoic cratonic carbonates: A rock magnetic study. Journal of Geophysical Research, 1990, 95, 2753-2761.	3.3	156
117	Anisotropies of partial anhysteretic remanence and susceptibility in compacted black shales: Grainsize― and compositionâ€dependent magnetic fabric. Geophysical Research Letters, 1989, 16, 1063-1066.	4.0	48
118	Anhysteretic remanent magnetic anisotropy and calcite strains in Devonian carbonates from the Appalachian Plateau, New York. Tectonophysics, 1989, 161, 43-53.	2.2	29
119	Partial anhysteretic remanence and its anisotropy: Applications and grainsizeâ€dependence. Geophysical Research Letters, 1988, 15, 440-443.	4.0	161
120	Theoretical timeâ€ŧemperature relationships of magnetization for distributions of single domain magnetite grains. Geophysical Research Letters, 1988, 15, 1093-1096.	4.0	18
121	Paleomagnetism of Ordovician alkalic intrusives and host rocks from the Pedernal Hills, New Mexico: positive contact test in remagnetized rocks?. Tectonophysics, 1988, 147, 313-323.	2.2	7
122	Thermal demagnetization of partial thermoremanent magnetization. Journal of Geophysical Research, 1988, 93, 12196-12204.	3.3	64
123	Magnetite authigenesis and diagenetic paleotemperatures across the northern Appalachian basin. Geology, 1988, 16, 592.	4.4	92
124	Mantle devolatilization and convection: Implications for the thermal history of the Earth. Geophysical Research Letters, 1987, 14, 737-740.	4.0	20
125	Thermally activated viscous remanence in some magnetite―and hematiteâ€bearing dolomites. Geophysical Research Letters, 1986, 13, 1434-1437.	4.0	29
126	A Paleomagnetic Estimate of the Age and Thermal History of the Kentland, Indiana Cryptoexplosion Structure. Journal of Geology, 1986, 94, 713-723.	1.4	14

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127	Drilling-induced remanence in carbonate rocks: occurrence, stability and grain-size dependence. Geophysical Journal International, 1985, 81, 75-87.	2.4	31
128	A Lower Ordovician paleomagnetic pole from the Oneota dolomite, Upper Mississippi River Valley. Journal of Geophysical Research, 1985, 90, 10449-10461.	3.3	27
129	Magnetic anisotropy in the Trenton Limestone: Results of a new technique, anisotropy of anhysteretic susceptibility. Geophysical Research Letters, 1985, 12, 333-336.	4.0	194
130	On the sensitivity of parameterized convection to the rate of decay of internal heat sources. Journal of Geophysical Research, 1984, 89, 10103-10108.	3.3	36
131	Rock Magnetic Study of Sediments from Site 808, Leg 131. , 0, , .		0