

Ann Marie Hirt

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163
papers

4,394
citations

38
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54
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169
ext. papers

4,845
ext. citations

4.4
avg, IF

5.35
L-index

#	Paper	IF	Citations
163	Modeling Magnetic Torque and Force for Controlled Manipulation of Soft-Magnetic Bodies 2007 , 23, 1247-1252		213
162	Hybrid, silica-coated, Janus-like plasmonic-magnetic nanoparticles. <i>Chemistry of Materials</i> , 2011 , 23, 1985-1992	14.0	140
161	The anisotropy of magnetic susceptibility in biotite, muscovite and chlorite single crystals. <i>Tectonophysics</i> , 2003 , 367, 13-28	3.1	109
160	Magnetic anisotropy, rock fabrics and finite strain in deformed sediments of SW Sardinia (Italy). <i>Tectonophysics</i> , 1999 , 307, 51-74	3.1	101
159	Effect of progressive deformation on remanent magnetization of permian redbeds from the alpes maritimes (France). <i>Tectonophysics</i> , 1983 , 98, 59-85	3.1	98
158	Formation of magnetite nanoparticles at low temperature: from superparamagnetic to stable single domain particles. <i>PLoS ONE</i> , 2013 , 8, e57070	3.7	90
157	Morphology, structure and magnetic properties of cobalt/nickel films obtained from acidic electrolytes containing glycine. <i>Electrochimica Acta</i> , 2011 , 56, 1399-1408	6.7	83
156	The origin of tectonic lineation in extensional basins: Combined neutron texture and magnetic analyses on undeformed clays. <i>Earth and Planetary Science Letters</i> , 2005 , 235, 62-78	5.3	83
155	Separation of ferrimagnetic and paramagnetic anisotropies using a high-field torsion magnetometer. <i>Tectonophysics</i> , 2001 , 337, 209-221	3.1	79
154	Hybrid wood materials with magnetic anisotropy dictated by the hierarchical cell structure. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 9760-7	9.5	76
153	Magnetic cilia carpets with programmable metachronal waves. <i>Nature Communications</i> , 2020 , 11, 2637	17.4	74
152	The age and timing of folding in the central Appalachians from paleomagnetic results. <i>Bulletin of the Geological Society of America</i> , 1996 , 108, 815-829	3.9	70
151	Thermal alteration of the magnetic mineralogy in ferruginous rocks. <i>Journal of Geophysical Research</i> , 1991 , 96, 9947		64
150	Liquid-crystalline elastomer-nanoparticle hybrids with reversible switch of magnetic memory. <i>Advanced Materials</i> , 2013 , 25, 1787-91	24	61
149	Thermal generation of ferromagnetic minerals from iron-enriched smectites. <i>Geophysical Journal International</i> , 1993 , 115, 1161-1168	2.6	59
148	A refined biomonitoring study of airborne particulate matter pollution in Rome, with magnetic measurements on Quercus ilex tree leaves. <i>Geophysical Journal International</i> , 2008 , 173, 127-141	2.6	58
147	Correlation of strain and the anisotropy of magnetic susceptibility in the Onaping Formation: evidence for a near-circular origin of the Sudbury Basin. <i>Tectonophysics</i> , 1993 , 225, 231-254	3.1	58

146	Correlation between magnetic anisotropy and fabric for Devonian shales on the Appalachian Plateau. <i>Tectonophysics</i> , 1995 , 247, 121-132	3.1	57
145	An AMS, structural and paleomagnetic study of quaternary deformation in eastern Sicily. <i>Journal of Structural Geology</i> , 2004 , 26, 29-46	3	56
144	Inverse magnetic fabric in deformed limestones of the Morcles Nappe, Switzerland. <i>Geophysical Research Letters</i> , 1989 , 16, 1383-1386	4.9	56
143	The correlation of magnetic anisotropy with strain in the Chelmsford Formation of the Sudbury Basin, Ontario. <i>Tectonophysics</i> , 1988 , 145, 177-189	3.1	54
142	Effects of tectonic deformation on the remanent magnetization of rocks. <i>Tectonics</i> , 1986 , 5, 713-722	4.3	54
141	Magnetic iron compounds in the human brain: a comparison of tumour and hippocampal tissue. <i>Journal of the Royal Society Interface</i> , 2006 , 3, 833-41	4.1	53
140	Anisotropy of magnetic susceptibility in the Scaglia Rossa pelagic limestone. <i>Earth and Planetary Science Letters</i> , 1987 , 82, 349-356	5.3	53
139	A method for the separation of paramagnetic, ferrimagnetic and haematite magnetic subfabrics using high-field torque magnetometry. <i>Geophysical Journal International</i> , 2004 , 157, 117-127	2.6	52
138	Preparation and characterization of functional silica hybrid magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 362, 72-79	2.8	50
137	Magnetic anisotropy of calcite at room-temperature. <i>Tectonophysics</i> , 2006 , 418, 63-73	3.1	44
136	Finite strain patterns and their significance in Permian rocks of the Alpes Maritimes (France). <i>Journal of Structural Geology</i> , 1984 , 6, 339-368	3	44
135	The origin of tectonic fabrics in undeformed clays: The early stages of deformation in extensional sedimentary basins. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	43
134	Tunable Wood by Reversible Interlocking and Bioinspired Mechanical Gradients. <i>Advanced Science</i> , 2019 , 6, 1802190	13.6	42
133	Paleomagnetism of the Umbrian-Marches orogenic belt. <i>Tectonophysics</i> , 1988 , 146, 91-103	3.1	42
132	A paleomagnetic study of tectonically deformed red beds of the Lower Glarus Nappe Complex, eastern Switzerland. <i>Tectonics</i> , 1986 , 5, 723-731	4.3	41
131	The magnetic fabric in undeformed clays—AMS and neutron texture analyses from the Rif Chain (Morocco). <i>Tectonophysics</i> , 2009 , 466, 79-88	3.1	40
130	Separation of diamagnetic and paramagnetic anisotropy by high-field, low-temperature torque measurements. <i>Geophysical Journal International</i> , 2007 , 168, 40-47	2.6	40
129	Distinguishing magnetic particle size of iron oxide nanoparticles with first-order reversal curves. <i>Journal of Applied Physics</i> , 2014 , 116, 124304	2.5	39

128	A mixture of ferritin and magnetite nanoparticles mimics the magnetic properties of human brain tissue. <i>Physical Review B</i> , 2006 , 73,	3.3	39
127	Paleomagnetic results in support of a model for the origin of the Asturian arc. <i>Tectonophysics</i> , 1992 , 213, 321-339	3.1	39
126	Search for Magnetic Monopoles with the MoEDAL Forward Trapping Detector in 13 TeV Proton-Proton Collisions at the LHC. <i>Physical Review Letters</i> , 2017 , 118, 061801	7.4	38
125	Nanomagnet-based removal of lead and digoxin from living rats. <i>Nanoscale</i> , 2013 , 5, 8718-23	7.7	37
124	Paleomagnetic evidence for a Neogene two-phase counterclockwise tectonic rotation in the Northern Apennines (Italy). <i>Tectonophysics</i> , 2000 , 326, 241-253	3.1	35
123	Single crystalline superstructured stable single domain magnetite nanoparticles. <i>Scientific Reports</i> , 2017 , 7, 45484	4.9	34
122	Morphology and orientational behavior of silica-coated spindle-type hematite particles in a magnetic field probed by small-angle X-ray scattering. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 4763-9 ^{3.4}		34
121	Southward migration of arc magmatism during latest Cretaceous associated with slab steepening, East Pontides, N Turkey: New paleomagnetic data from the Amasya region. <i>Physics of the Earth and Planetary Interiors</i> , 2010 , 182, 18-29	2.3	33
120	Combined use of magnetometry and spectroscopy for identifying magnetofossils in sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	32
119	Forward propagation of the Zagros Simply Folded Belt constrained from magnetostratigraphy of growth strata. <i>Tectonics</i> , 2014 , 33, 1534-1551	4.3	30
118	Modeling the magnetic behavior of horse spleen ferritin with a two-phase core structure. <i>Journal of Applied Physics</i> , 2006 , 99, 123906	2.5	30
117	Magnetic fabric and deformation in the Navia-Alto Sil slate belt, northwestern Spain. <i>Tectonophysics</i> , 2000 , 320, 1-16	3.1	30
116	Mineral-magnetic record of Late Quaternary climatic changes in a high Alpine lake. <i>Earth and Planetary Science Letters</i> , 1999 , 170, 49-59	5.3	30
115	Paleomagnetic considerations of the development of the Pennsylvania salient in the central Appalachians. <i>Tectonophysics</i> , 1994 , 231, 237-255	3.1	30
114	Low-temperature magnetic properties of lepidocrocite. <i>Journal of Geophysical Research</i> , 2002 , 107, EPM 5-1-EPM 5-9		28
113	Low-temperature magnetic anisotropy in micas and chlorite. <i>Tectonophysics</i> , 2014 , 629, 63-74	3.1	27
112	Melt migration in basalt columns driven by crystallization-induced pressure gradients. <i>Nature Communications</i> , 2011 , 2, 299	17.4	27
111	Magnetic anisotropy of carbonate minerals at room temperature and 77 K. <i>American Mineralogist</i> , 2007 , 92, 1673-1684	2.9	27

110	Crystallographic-magnetic correlations in single-crystal haemo-ilmenite: new evidence for lamellar magnetism. <i>Geophysical Journal International</i> , 2006 , 165, 17-31	2.6	27
109	Low-temperature magnetic behavior of ferrihydrite. <i>Journal of Geophysical Research</i> , 2000 , 105, 8297-8303		27
108	Spline analysis of Holocene sediment magnetic records: Uncertainty estimates for field modeling. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		26
107	Quantitative correlation of texture and magnetic anisotropy of compacted calcite-muscovite aggregates. <i>Journal of Structural Geology</i> , 2009 , 31, 1062-1073	3	26
106	Magnetic properties of silica coated spindle-type hematite particles. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 065102	1.8	26
105	Global cooling and enhanced Eocene Asian mid-latitude interior aridity. <i>Nature Communications</i> , 2018 , 9, 3026	17.4	25
104	Light-Controlled Actuation, Transduction, and Modulation of Magnetic Strength in Polymer Nanocomposites. <i>Advanced Functional Materials</i> , 2014 , 24, 3179-3186	15.6	25
103	Thick dyke emplacement and internal flow: A structural and magnetic fabric study of the deep-seated dolerite dyke of Fom Zguid (southern Morocco). <i>Journal of Geophysical Research</i> , 2010 , 115,		25
102	Differences between magnetic and mineral fabrics in low-grade, cleaved siliciclastic pelites: A case study from the Anglo-Brabant Deformation Belt (Belgium). <i>Tectonophysics</i> , 2009 , 466, 32-46	3.1	24
101	Paleomagnetism in Arcuate Mountain Belts. <i>Developments in Geotectonics</i> , 1986 , 21, 141-158		24
100	Search for magnetic monopoles with the MoEDAL forward trapping detector in 2.11 fb ⁻¹ of 13 TeV proton-proton collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 782, 510-516	4.2	24
99	Magnetic Monopole Search with the Full MoEDAL Trapping Detector in 13 TeV pp Collisions Interpreted in Photon-Fusion and Drell-Yan Production. <i>Physical Review Letters</i> , 2019 , 123, 021802	7.4	23
98	Keeping Nanoparticles Fully Functional: Long-Term Storage and Alteration of Magnetite. <i>ChemPlusChem</i> , 2014 , 79, 1225-1233	2.8	23
97	Effect of size, composition, and morphology on magnetic performance: First-order reversal curves evaluation of iron oxide nanoparticles. <i>Journal of Applied Physics</i> , 2014 , 115, 044314	2.5	21
96	Linking site formation processes to magnetic properties. Rock- and archeomagnetic analysis of the combustion levels at Riparo Gaban (Italy). <i>Journal of Archaeological Science</i> , 2014 , 41, 836-855	2.9	21
95	Susceptibility variations of multiple origins of loess from the Ily Basin (NW China). <i>Science Bulletin</i> , 2012 , 57, 1844-1855		21
94	Quantitative Recovery of Magnetic Nanoparticles from Flowing Blood: Trace Analysis and the Role of Magnetization. <i>Advanced Functional Materials</i> , 2013 , 23, 4888-4896	15.6	21
93	Phyllosilicate preferred orientation as a control of magnetic fabric: evidence from neutron texture goniometry and low and high-field magnetic anisotropy (SE Rhenohercynian Zone of Bohemian Massif). <i>Geological Society Special Publication</i> , 2004 , 238, 361-380	1.7	21

92	Understanding the Mesozoic kinematic evolution in the Cameros basin (Iberian Range, NE Spain) from magnetic subfabrics and mesostructures. <i>Journal of Structural Geology</i> , 2014 , 66, 84-101	3	20
91	Dynamic and biocompatible thermo-responsive magnetic hydrogels that respond to an alternating magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 427, 212-219	2.8	20
90	Magnetic anisotropy in clinopyroxene and orthopyroxene single crystals. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 1431-1451	3.6	20
89	Silica-Coated Nonstoichiometric Nano Zn-Ferrites for Magnetic Resonance Imaging and Hyperthermia Treatment. <i>Advanced Healthcare Materials</i> , 2016 , 5, 2698-2706	10.1	20
88	New directional archeomagnetic data of burned cave sediments from Switzerland and geomagnetic field variations in Central Europe. <i>Geophysical Journal International</i> , 2014 , 198, 1208-1221	2.6	19
87	Development of a magnetometer-based search strategy for stopped monopoles at the Large Hadron Collider. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	19
86	Unraveling magnetic fabrics. <i>International Journal of Earth Sciences</i> , 2012 , 101, 613-624	2.2	19
85	Magnetic fabric development in a highly anisotropic magnetite-bearing ductile shear zone (Seve Nappe Complex, Scandinavian Caledonides). <i>International Journal of Earth Sciences</i> , 2012 , 101, 671-692	2.2	19
84	Green and facile approach for enhancing the inherent magnetic properties of carbon nanotubes for water treatment applications. <i>PLoS ONE</i> , 2017 , 12, e0180636	3.7	19
83	Magnetic anisotropy in natural amphibole crystals. <i>American Mineralogist</i> , 2015 , 100, 1940-1951	2.9	18
82	A lock-in-based method to examine the thermal signatures of magnetic nanoparticles in the liquid, solid and aggregated states. <i>Nanoscale</i> , 2016 , 8, 13321-32	7.7	18
81	Mineralization-Inspired Synthesis of Magnetic Zeolitic Imidazole Framework Composites. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13550-13555	16.4	18
80	Hybrid magnetic iron oxide nanoparticles with tunable field-directed self-assembly. <i>Nanoscale</i> , 2017 , 9, 14405-14413	7.7	18
79	Development of magnetic fabrics during hydrothermal alteration in the Soultz-sous-Forêts granite from the EPS-1 borehole, Upper Rhine Graben. <i>Geological Society Special Publication</i> , 2004 , 238, 509-526 ^{1.7}		18
78	Advanced multiresponsive composites: from design to possible applications. <i>Nanoscale</i> , 2014 , 6, 8726-35	7.7	17
77	Anisotropy of magnetic susceptibility in natural olivine single crystals. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 3051-3065	3.6	17
76	Strain-induced macroscopic magnetic anisotropy from smectic liquid-crystalline elastomer-maghemite nanoparticle hybrid nanocomposites. <i>Nanoscale</i> , 2013 , 5, 5539-48	7.7	17
75	Seismic anisotropy in the Morcles nappe shear zone: Implications for seismic imaging of crustal scale shear zones. <i>Tectonophysics</i> , 2013 , 603, 162-178	3.1	17

74	A method for improving the measurement of low-field magnetic susceptibility anisotropy in weak samples. <i>Journal of Applied Geophysics</i> , 2013 , 88, 122-130	1.7	17
73	Internal flow structures in columnar jointed basalt from Hrepphlar, Iceland: II. Magnetic anisotropy and rock magnetic properties. <i>Bulletin of Volcanology</i> , 2012 , 74, 1667-1681	2.4	17
72	Thermal Energy Dissipation by SiO ₂ -Coated Plasmonic-Superparamagnetic Nanoparticles in Alternating Magnetic Fields. <i>Chemistry of Materials</i> , 2013 , 25, 4603-4612	9.6	17
71	Magnetic and sequence stratigraphy of redeposited Upper Cretaceous limestones in the Montagna della Maiella, Abruzzi, Italy. <i>Earth and Planetary Science Letters</i> , 1997 , 150, 79-93	5.3	17
70	Modeling assembled-MEMS microrobots for wireless magnetic control 2008 ,		17
69	Magnetic fabric variations in Mesozoic black shales, Northern Siberia, Russia: Possible paleomagnetic implications. <i>Tectonophysics</i> , 2006 , 418, 145-162	3.1	17
68	Anisotropic magnetic particles in a magnetic field. <i>Soft Matter</i> , 2016 , 12, 8755-8767	3.6	17
67	Interpreting magnetic fabrics in amphibole-bearing rocks. <i>Tectonophysics</i> , 2018 , 722, 566-576	3.1	17
66	Highly scalable production of uniformly-coated superparamagnetic nanoparticles for triggered drug release from alginate hydrogels. <i>RSC Advances</i> , 2016 , 6, 21503-21510	3.7	16
65	Anisotropy of magnetic susceptibility in alkali feldspar and plagioclase. <i>Geophysical Journal International</i> , 2016 , 205, 479-489	2.6	16
64	Experimental mixtures of superparamagnetic and single-domain magnetite with respect to Day-Dunlop plots. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 1739-1752	3.6	16
63	Gas-phase synthesis of magnetic metal/polymer nanocomposites. <i>Nanotechnology</i> , 2014 , 25, 505602	3.4	16
62	On leaf magnetic homogeneity in particulate matter biomonitoring studies. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	16
61	Strain studies of cleavage development in the Chelmsford Formation, Sudbury Basin, Ontario. <i>Tectonophysics</i> , 1988 , 145, 191-211	3.1	16
60	Holocene archeointensities from mid European ceramics, slags, burned sediments and cherts. <i>Physics of the Earth and Planetary Interiors</i> , 2015 , 241, 21-36	2.3	15
59	Magnetic anisotropy reveals Neogene tectonic overprint in highly strained carbonate mylonites from the Morcles nappe, Switzerland. <i>Journal of Structural Geology</i> , 2011 , 33, 1010-1022	3	15
58	Magnetic fabrics of the Morcles Nappe complex. <i>Tectonophysics</i> , 2009 , 466, 89-100	3.1	15
57	Mathematical simulations of anisotropy of magnetic susceptibility on composite fabrics. <i>Journal of Geophysical Research</i> , 2005 , 110,		15

56	Lamellar magnetism: effects of interface versus exchange interactions of nanoscale exsolutions in the ilmenite-hematite system. <i>Journal of Physics: Conference Series</i> , 2005 , 17, 154-167	0.3	15
55	Evidence for non-coaxiality of ferrimagnetic and paramagnetic fabrics, developed during magma flow and cooling in a thick mafic dyke. <i>Tectonophysics</i> , 2014 , 629, 155-164	3.1	14
54	Mineral magnetic record of Holocene environmental changes in Sgüstalsee, Switzerland. <i>Journal of Paleolimnology</i> , 2003 , 30, 321-331	2.1	14
53	Heating behavior of magnetic iron oxide nanoparticles at clinically relevant concentration. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 474, 637-642	2.8	14
52	Magnetic susceptibility as a tool to study deformed calcite with variable impurity content. <i>Geochemistry, Geophysics, Geosystems</i> , 2010 , 11, n/a-n/a	3.6	13
51	Characterization of iron compounds in tumour tissue from temporal lobe epilepsy patients using low temperature magnetic methods. <i>BioMetals</i> , 2005 , 18, 191-7	3.4	13
50	Evidence for the Permo-Triassic transtensional rifting in the Iberian Range (NE Spain) according to magnetic fabrics results. <i>Tectonophysics</i> , 2015 , 651-652, 216-231	3.1	12
49	Magnetic and geochemical signatures of flood layers in a lake system. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 4236-4253	3.6	12
48	Magnetic and mineral fabric development in the Ordovician Martinsburg Formation in the Central Appalachian Fold and Thrust Belt, Pennsylvania. <i>Geological Society Special Publication</i> , 2004 , 238, 109-126	1.7	12
47	A review of palaeomagnetic and magnetic anisotropy results from the Alps. <i>Geological Society Special Publication</i> , 1989 , 45, 399-420	1.7	12
46	Coercivity Determines Magnetic Particle Heating. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800287	10.1	11
45	Observed periodicities and the spectrum of field variations in Holocene magnetic records. <i>Earth and Planetary Science Letters</i> , 2013 , 379, 88-94	5.3	11
44	Paramagnetic metamorphic mineral assemblages controlling AMS in low-grade deformed metasediments and the implications with respect to the use of AMS as a strain marker. <i>Journal of the Geological Society</i> , 2013 , 170, 263-280	2.7	11
43	A record of Holocene climate in the mineral magnetic record of Alpine lakes: Sgüstalsee and Hinterburgsee. <i>Earth and Planetary Science Letters</i> , 2001 , 188, 29-44	5.3	11
42	Search for magnetic monopoles in polar volcanic rocks. <i>Physical Review Letters</i> , 2013 , 110, 121803	7.4	10
41	Evidence for weak ferromagnetic moment within the basal plane of hematite natural crystals at low temperature. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 4444-4457	3.6	10
40	Application of differential effective medium, magnetic pore fabric analysis, and X-ray microtomography to calculate elastic properties of porous and anisotropic rock aggregates. <i>Journal of Geophysical Research</i> , 2011 , 116,		9
39	Fabrication of synthetic calcite-muscovite rocks with variable texture [An analogue to cataclastic fabrics?]. <i>Tectonophysics</i> , 2008 , 449, 105-119	3.1	9

38	Simple and fast evaluation of relaxation parameters of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 499, 166176	2.8	9
37	Numerical unmixing of weakly and strongly magnetic minerals: examples with synthetic mixtures of magnetite and hematite. <i>Geophysical Journal International</i> , 2019 , 217, 280-287	2.6	8
36	The Lake Natron Footprint Tuff (northern Tanzania): volcanic source, depositional processes and age constraints from field relations. <i>Journal of Quaternary Science</i> , 2016 , 31, 526-537	2.3	8
35	Determining the timing of formation of the Rawil Depression in the Helvetic Alps by palaeomagnetic and structural methods. <i>Geological Society Special Publication</i> , 2016 , 425, 145-168	1.7	8
34	Evidence of Late Cretaceous oroclinal bending in north-central Anatolia: palaeomagnetic results from Mesozoic and Cenozoic rocks along the EmirAnkaraErzincan Suture Zone. <i>Geological Society Special Publication</i> , 2016 , 425, 189-212	1.7	8
33	Reduced Magnetic Coupling in Ultrasmall Iron Oxide T MRI Contrast Agents.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 783-791	4.1	8
32	Phase Transformation of Superparamagnetic Iron Oxide Nanoparticles via Thermal Annealing: Implications for Hyperthermia Applications. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4462-4470	5.6	8
31	Elastic properties of anisotropic synthetic calcite-muscovite aggregates. <i>Journal of Geophysical Research</i> , 2010 , 115,		8
30	Experimental Study of the Magnetic Signature of Basal-Plane Anisotropy in Hematite 2011 , 311-320		8
29	Quantitative comparison of microfabric and magnetic fabric in black shales from the Appalachian plateau (western Pennsylvania, U.S.A.). <i>Tectonophysics</i> , 2019 , 765, 161-171	3.1	7
28	Enhanced Methods to Estimate the Efficiency of Magnetic Nanoparticles in Imaging. <i>Molecules</i> , 2017 , 22,	4.8	7
27	Evidence of Early Cretaceous remagnetization in the Crimean Peninsula: a palaeomagnetic study from Mesozoic rocks in the Crimean and Western Pontides, conjugate margins of the Western Black Sea. <i>Geophysical Journal International</i> , 2013 , 195, 821-843	2.6	7
26	Low temperature magnetic analysis in the identification of iron compounds from human brain tumour tissue. <i>Journal of Physics: Conference Series</i> , 2005 , 17, 61-64	0.3	6
25	Origin of magnetic fabrics in ultramafic rocks. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 82, 012098	0.4	5
24	Evidence of Atlantic Multidecadal Oscillation in the magnetic properties of Alpine lakes during the last 2500 years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015 , 440, 47-52	2.9	5
23	Shaping Magnetite with Poly-L-arginine and pH: From Small Single Crystals to Large Mesocrystals. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 5514-5518	6.4	5
22	Anomalous magnetic properties of brain tissue at low temperature: The 50 K anomaly. <i>Journal of Geophysical Research</i> , 2006 , 111, n/a-n/a		5
21	First Search for Dyons with the Full MoEDAL Trapping Detector in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2021 , 126, 071801	7.4	5

20	Triassic stretching directions in Iberia and North Africa inferred from magnetic fabrics. <i>Terra Nova</i> , 2019 , 31, 465-478	3	4
19	New tephrostratigraphic data from Lake Emakat (northern Tanzania): Implications for the eruptive history of the Oldoinyo Lengai volcano. <i>Journal of African Earth Sciences</i> , 2018 , 147, 374-382	2.2	4
18	Investigating distribution patterns of airborne magnetic grains trapped in tree barks in Milan, Italy: insights for pollution mitigation strategies. <i>Geophysical Journal International</i> , 2017 , 210, 989-1000	2.6	4
17	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	2.6	4
16	The ammonium content in the Malayer igneous and metamorphic rocks (Sanandaj-Sirjan Zone, Western Iran). <i>Geologica Carpathica</i> , 2011 , 62, 171-180	1.4	4
15	Modeling magnetic torque and force for controlled manipulation of soft-magnetic bodies 2007 ,		4
14	Composition and properties of the iron hydroxides-cemented lenses in Estonian sandstone of Middle Devonian age. <i>Studia Geophysica Et Geodaetica</i> , 2009 , 53, 111-131	0.7	3
13	Beyond the second-order magnetic anisotropy tensor: higher-order components due to oriented magnetite exsolutions in pyroxenes, and implications for palaeomagnetic and structural interpretations. <i>Geophysical Journal International</i> , 2020 , 223, 915-933	2.6	3
12	Tough metal-ceramic composites with multifunctional nacre-like architecture. <i>Scientific Reports</i> , 2021 , 11, 1621	4.9	3
11	Mineralization-Inspired Synthesis of Magnetic Zeolitic Imidazole Framework Composites. <i>Angewandte Chemie</i> , 2019 , 131, 13684-13689	3.6	2
10	Magnetic study of a late Alpine dike crosscutting the regional foliation. <i>Tectonophysics</i> , 2014 , 629, 250-259		2
9	From magnetotactic bacteria to hollow spirilla-shaped silica containing a magnetic chain. <i>RSC Advances</i> , 2012 , 2, 8007	3.7	2
8	Investigation of the magnetic susceptibility properties of fresh and fixed mouse heart, liver, skeletal muscle and brain tissue. <i>Physica Medica</i> , 2021 , 88, 37-44	2.7	2
7	Preferred orientation of ferromagnetic phases in rock-forming minerals: insights from magnetic anisotropy of single crystals. <i>Canadian Journal of Earth Sciences</i> , 2019 , 56, 994-1001	1.5	1
6	Estimating the Relative Concentration of Superparamagnetic and Stable Single Domain Particles in Geological, Biological, and Synthetic Materials. <i>Frontiers in Earth Science</i> , 2021 , 8,	3.5	1
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