John Michael David Coey

List of Publications by Year
in descending order

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604	44,987	3159	3407
papers	citations	92 h-index	183 g-index

615	615	615	23943
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Donor impurity band exchange in dilute ferromagnetic oxides. Nature Materials, 2005, 4, 173-179.	27.5	2,802
2	Mixed-valence manganites. Advances in Physics, 1999, 48, 167-293.	14.4	2,325
3	Measuring the Spin Polarization of a Metal with a Superconducting Point Contact. , 1998, 282, 85-88.		1,580
4	Giant energy product in nanostructured two-phase magnets. Physical Review B, 1993, 48, 15812-15816.	3.2	1,363
5	Improved magnetic properties by treatment of iron-based rare earth intermetallic compounds in anmonia. Journal of Magnetism and Magnetic Materials, 1990, 87, L251-L254.	2.3	1,346
6	Unexpected magnetism in a dielectric oxide. Nature, 2004, 430, 630-630.	27.8	1,122
7	Anisotropic Ferromagnetism in Substituted Zinc Oxide. Physical Review Letters, 2004, 93, 177206.	7.8	990
8	Noncollinear Spin Arrangement in Ultrafine Ferrimagnetic Crystallites. Physical Review Letters, 1971, 27, 1140-1142.	7.8	887
9	Ferromagnetism in Fe-doped SnO2 thin films. Applied Physics Letters, 2004, 84, 1332-1334.	3.3	885
10	Permanent magnets: Plugging the gap. Scripta Materialia, 2012, 67, 524-529.	5.2	537
11	Electron Localization in Mixed-Valence Manganites. Physical Review Letters, 1995, 75, 3910-3913.	7.8	500
12	Hard Magnetic Materials: A Perspective. IEEE Transactions on Magnetics, 2011, 47, 4671-4681.	2.1	463
13	Magnetic localization in mixed-valence manganites. Physical Review B, 1997, 55, 8067-8070.	3.2	450
14	Spinâ€“orbit torque switching without an external field using interlayer exchange coupling. Nature Nanotechnology, 2016, 11, 758-762.	31.5	411
15	Magnetism in hafnium dioxide. Physical Review B, 2005, 72, .	3.2	408
16	Amorphous magnetic order. Journal of Applied Physics, 1978, 49, 1646-1652.	2.5	374
17	Magnetoresistance of magnetite. Applied Physics Letters, 1998, 72, 734-736.	3.3	365
18	Magnetoresistance of Chromium Dioxide Powder Compacts. Physical Review Letters, 1998, 80, 3815-3818.	7.8	365

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19	Half-metallic ferromagnetism: Example of CrO[sub 2] (invited). Journal of Applied Physics, 2002, 91, 8345.	2.5	361
20	Atomic coordination and the distribution of electric field gradients in amorphous solids. Physical Review B, 1981, 23, 2513-2530.	3.2	350
21	Magnetic properties of a new series of rare-earth iron nitrides: R2Fe17Ny(y approximately 2.6). Journal of Physics Condensed Matter, 1990, 2, 6465-6470.	1.8	341
22	Dilute magnetic oxides. Current Opinion in Solid State and Materials Science, 2006, 10, 83-92.	11.5	339
23	Permanent magnet applications. Journal of Magnetism and Magnetic Materials, 2002, 248, 441-456.	2.3	305
24	Giant Magnetoresistive Effects in a Single Element Magnetic Thin Film. Physical Review Letters, 1996, 77, 1580-1583.	7.8	281
25	Magnetic nitrides. Journal of Magnetism and Magnetic Materials, 1999, 200, 405-424.	2.3	274
26	Magnetism in dilute magnetic oxide thin films based onSnO2. Physical Review B, 2006, 74, .	3.2	253
27	Design of compensated ferrimagnetic Heusler alloys for giant tunable exchange bias. Nature Materials, 2015, 14, 679-684.	27.5	250
28	Charge-transfer ferromagnetism in oxide nanoparticles. Journal Physics D: Applied Physics, 2008, 41, 134012.	2.8	248
29	Magnetic properties of iron-rich Fe-Zr glasses. Physical Review B, 1987, 35, 8630-8638.	3.2	247
30	Magnetoresistance of Half-Metallic Oxide Nanocontacts. Physical Review Letters, 2001, 87, .	7.8	246
31	Ferromagnetism in defect-ridden oxides and related materials. New Journal of Physics, 2010, 12, 053025.	2.9	245
32	High spin polarization in epitaxial films of ferrimagnetic Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Ga. Physical Review B, 2011, 83, .	3.2	245
33	Intrinsic magnetic properties of the iron-rich ThMn12-structure alloys R(Fe11Ti); R=Y, Nd, Sm, Gd, Tb, Dy, Ho, Er, Tm and Lu. Journal of Physics Condensed Matter, 1989, 1, 755-770.	1.8	230
34	Magnetic fields in electrochemistry: The Lorentz force. A mini-review. Electrochemistry Communications, 2014, 42, 38-41.	4.7	217
35	Evidence for two-band magnetotransport in half-metallic chromium dioxide. Physical Review B, 2000, 61, 9621-9628.	3.2	212
36	Accelerated discovery of new magnets in the Heusler alloy family. Science Advances, 2017, 3, e1602241.	10.3	197

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37	Superparamagnetic Î³-Fe2O3. Physica Status Solidi A, 1972, 11, 229-241.	1.7	193
38	Influence of magnetic forces on electrochemical mass transport. Electrochemistry Communications, 2001, 3, 215-218.	4.7	187
39	Topographic and Magnetic-Sensitive Scanning Tunneling Microscope Study of Magnetite. Science, 1992, 255, 583-586.	12.6	185
40	Magnetic water treatment. Journal of Magnetism and Magnetic Materials, 2000, 209, 71-74.	2.3	185
41	SnO2 doped with Mn, Fe or Co: Room temperature dilute magnetic semiconductors. Journal of Applied Physics, 2004, 95, 7390-7392.	2.5	185
42	Spin scattering in ferromagnetic thin films. Physical Review B, 1996, 53, 8464-8468.	3.2	184
43	Ferromagnetism of a graphite nodule from the Canyon Diablo meteorite. Nature, 2002, 420, 156-159.	27.8	174
44	New permanent magnets; manganese compounds. Journal of Physics Condensed Matter, 2014, 26, 064211.	1.8	172
45	Magnetocaloric effect in La0.67Sr0.33MnO3 manganite above room temperature. Journal of Magnetism and Magnetic Materials, 2011, 323, 2214-2218.	2.3	171
46	Magnetic properties of amorphous neodymiumâ€“transitionâ€metal films. Journal of Applied Physics, 1978, 49, 2885-2893.	2.5	167
47	Electrical switching of the topological anomalous Hall effect in a non-collinear antiferromagnet above room temperature. Nature Electronics, 2018, 1, 172-177.	26.0	165
48	Gas-phase carbonation of R2Fe17; R = Y, Sm. Journal of Magnetism and Magnetic Materials, 1991, 98, 76-78.	2.3	164
49	Magnetic properties of iron-rich Fe-Sc glasses. Physical Review B, 1989, 40, 11208-11214.	3.2	162
50	Magnetic Field Effects on Copper Electrolysis. Journal of Physical Chemistry B, 2001, 105, 9487-9502.	2.6	158
51	Oxide Dilute Magnetic Semiconductorsâ€”Fact or Fiction?. MRS Bulletin, 2008, 33, 1053-1058.	3.5	154
52	Imaging and control of ferromagnetism in LaMnO ₃ /SrTiO ₃ heterostructures. Science, 2015, 349, 716-719.	12.6	153
53	A piezoelectric, strain-controlled antiferromagnetic memory insensitive to magnetic fields. Nature Nanotechnology, 2019, 14, 131-136.	31.5	150
54	Magnetic semiconductors and half-metals. Journal Physics D: Applied Physics, 2004, 37, 988-993.	2.8	149

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55	Magnetic Structure of an Amorphous Rare-Earth Transition-Metal Alloy. Physical Review Letters, 1976, 36, 1061-1064.	7.8	148
56	Critical behavior ofLa0.75Sr0.25MnO3. Physical Review B, 2002, 65, .	3.2	148
57	A spin of their own. Nature Materials, 2009, 8, 693-695.	27.5	147
58	Origin of the Two-Dimensional Electron Gas at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>LaAlO</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:msub><mml The Role of Oxygen Vacancies and Electronic Reconstruction. Physical Review X, 2013, 3, .	8.9	144
59	Noncollinear spin structures. Canadian Journal of Physics, 1987, 65, 1210-1232.	1.1	143
60	Amorphous yttrium-iron alloys. I. Magnetic properties. Journal of Physics F: Metal Physics, 1981, 11, 2707-2725.	1.6	142
61	Magnetic properties of a new family of ternary rareâ€earth iron nitrides R2Fe17N3â^Ì´(invited). Journal of Applied Physics, 1991, 69, 5584-5589.	2.5	142
62	Mn_{3â^'x}Ga (0â€‰â‰â€‰xâ€‰â‰â€‰1): Multifunctional thin film materials for spintronics and magnetic recording. Physica Status Solidi (B): Basic Research, 2011, 248, 2338-2344.	1.5	142
63	Nitrogenation of R2Fe17compounds:R=rare earth. Journal of Applied Physics, 1991, 69, 3007-3010.	2.5	139
64	Magnetic properties of the double perovskites A2FeMoO6; A = Ca, Sr, Ba. Journal of Physics Condensed Matter, 1999, 11, L445-L450.	1.8	138
65	Half-Metallic Ferromagnetic Oxides. MRS Bulletin, 2003, 28, 720-724.	3.5	136
66	Bubble Formation at a Gas-Evolving Microelectrode. Langmuir, 2014, 30, 13065-13074.	3.5	134
67	Cobalt-doped ZnO â€“ a room temperature dilute magnetic semiconductor. Applied Surface Science, 2005, 247, 493-496.	6.1	131
68	Charge-ordering in oxides. Nature, 2004, 430, 155-157.	27.8	125
69	Powder magnetoresistance (invited). Journal of Applied Physics, 1999, 85, 5576-5581.	2.5	124
70	New Spin Structure in an Amorphous Ferric Gel. Nature, 1973, 246, 476-478.	27.8	121
71	Magnetization of a Dy(Fe11Ti) single crystal. Physical Review B, 1990, 41, 2221-2228.	3.2	121
72	Metal bonded Sm2Fe17N3â^Ì´magnets. Journal of Applied Physics, 1991, 69, 6735-6737.	2.5	121

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73	A5e Mossbauer study of a new series of rare-earth iron nitrides: R2Fe17N3- delta. Journal of Physics Condensed Matter, 1991, 3, 3983-3995.	1.8	115
74	Surface anisotropy in ferromagnetic nanoparticles. Journal of Applied Physics, 2002, 91, 8715.	2.5	115
75	Cubic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow> Films: Crossing the Spin Gap with Ruthenium. Physical Review Letters, 2014, 112, 027201.	7.8	113
76	MÃ¶ssbauer spectrometry ofA2FeMoO6(A=Ca,Sr,Ba):â€ƒSearch for antiphase domains. Physical Review B, 2001, 63, .	3.2	112
77	Giant heterogeneous magnetostriction in Feâ€“Ga alloys: Effect of trace element doping. Acta Materialia, 2016, 109, 177-186.	7.9	112
78	Hydrogen absorption and desorption in Nd2Fe14B. Applied Physics Letters, 1986, 48, 442-444.	3.3	111
79	High-temperature ferromagnetism in dilute magnetic oxides. Journal of Applied Physics, 2005, 97, 10D313.	2.5	111
80	Magnetic electrodeposition. Journal of Alloys and Compounds, 2001, 326, 238-245.	5.5	110
81	Mossbauer spectroscopy of R2Fe14B. Journal of Physics F: Metal Physics, 1987, 17, 483-501.	1.6	109
82	Amorphous yttrium-iron alloys. II. Mossbauer spectra. Journal of Physics F: Metal Physics, 1981, 11, 2727-2744.	1.6	106
83	Magnetic and electric â€œdeadâ€•layers in (La0.7Sr0.3)MnO3 thin films. Journal of Applied Physics, 2001, 89, 3868-3873.	2.5	106
84	The crystal structure of Rh2O3. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1970, 26, 1876-1877.	0.4	102
85	The magnetization of bulk Î±â€˜Fe16N2(invited). Journal of Applied Physics, 1994, 76, 6632-6636.	2.5	102
86	Magnetic properties of sheet silicates; 2:1 layer minerals. Physics and Chemistry of Minerals, 1982, 8, 218-229.	0.8	101
87	Magnetic fields in electrochemistry: The Kelvin force. A mini-review. Electrochemistry Communications, 2014, 42, 42-45.	4.7	99
88	MÃ¶ssbauer Study of Electron Hopping in the Octahedral Sites of Fe3O4. Journal of Applied Physics, 1969, 40, 1402-1403.	2.5	98
89	Characterisation and magnetic properties of natural ferric gel. Earth and Planetary Science Letters, 1973, 21, 45-51.	4.4	98
90	Chapter 1 Magnetic properties of ternary rare-earth transition-metal compounds. Handbook of Magnetic Materials, 1991, 6, 1-83.	0.6	98

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91	Hydrogen absorption and desorption in Nd2Fe17 and Sm2Fe17. Journal of Materials Science, 1988, 23, 329-331.	3.7	97
92	The magnetization of alpha"Fe16N2. Journal of Physics Condensed Matter, 1994, 6, L23-L28.	1.8	96
93	Contact induced magnetism in carbon nanotubes. Journal of Physics Condensed Matter, 2004, 16, L155-L161.	1.8	95
94	A study of hyperfine interactions in the system (Fe1-xRhx)2O3using the Mossbauer effect (Bonding) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.5	91
95	Colossal magnetoresistance of the variable range hopping regime in the manganites. Journal of Applied Physics, 1997, 81, 4964-4966.	2.5	91
96	Production and magnetotransport properties of CrO2 films. Journal of Applied Physics, 1997, 81, 5774-5776.	2.5	89
97	Magnetic and electronic properties of D22-Mn3Ge (001) films. Applied Physics Letters, 2012, 101, .	3.3	88
98	Magnetic and structural properties of SmCo7â^'xTix magnets. Journal of Magnetism and Magnetic Materials, 2001, 236, 49-55.	2.3	86
99	Soft-x-ray spectroscopic investigation of ferromagnetic Co-doped ZnO. Journal of Applied Physics, 2006, 99, 08M111.	2.5	86
100	Magnetic and transport properties of pure and carbonâ€doped divalent RE hexaboride single crystals. Journal of Applied Physics, 1980, 51, 574-577.	2.5	85
101	Intrinsic magnetic properties of new rare-earth iron intermetallic series. Journal of Magnetism and Magnetic Materials, 1991, 101, 310-316.	2.3	85
102	Internalization of ferromagnetic nanowires by different living cells. Journal of Nanobiotechnology, 2006, 4, 9.	9.1	85
103	Ferromagnetic nanoparticles with strong surface anisotropy: Spin structures and magnetization processes. Physical Review B, 2008, 77, .	3.2	85
104	Electronic configuration of samarium sulphide and related compounds: MÃ¶ssbauer-effect measurements and a model. Physical Review B, 1976, 14, 3744-3752.	3.2	84
105	Magnetic, magnetotransport, and optical properties of Al-doped Zn0.95Co0.05O thin films. Applied Physics Letters, 2007, 90, 242508.	3.3	83
106	Magnetic properties of sheet silicates; 2:1:1 layer minerals. Physics and Chemistry of Minerals, 1985, 12, 370-378.	0.8	81
107	Field-induced transition in the paramagnetic state of(Sm0.65Sr0.35)MnO3associated with magnetic clusters. Physical Review B, 1999, 60, 12847-12851.	3.2	81
108	Site-specific order and magnetism in tetragonal Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>Ga thin films. Physical Review B, 2013, 87, .	3.2	81

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109	Liquid flow and control without solid walls. Nature, 2020, 581, 58-62.	27.8	80
110	3d-4f magnetic interactions and crystalline electric field in the R2Fe14B compounds : Magnetization measurements and MÃ¶ssbauer study of Gd2Fe14B. Solid State Communications, 1985, 55, 295-298.	1.9	77
111	Optical, Magnetic, Electrochemical, and Electrical Properties of 8-Hydroxyquinoline-Based Complexes with Al³⁺, Cr³⁺, Mn²⁺, Co²⁺, Ni²⁺, Cu²⁺, and Zn²⁺. Journal of Physical Chemistry C, 2011, 115, 9182-9192.	3.1	77
112	Collective magnetic response of CeO2Ânanoparticles. Nature Physics, 2016, 12, 694-699.	16.7	76
113	Single pulse all-optical toggle switching of magnetization without gadolinium in the ferrimagnet Mn2RuxGa. Nature Communications, 2020, 11, 4444.	12.8	76
114	MÃ¶ssbauer Spectroscopy of Silicate Minerals. , 1984, , 443-509.		76
115	High content analysis of the biocompatibility of nickel nanowires. Journal of Magnetism and Magnetic Materials, 2009, 321, 1341-1345.	2.3	75
116	Relationship between ThMn12and Th2Ni17structure types in the YFe11â^'xTixalloy series. Journal of Applied Physics, 1990, 67, 4838-4840.	2.5	73
117	Transport and magnetic properties of Mn2VAl: Search for half-metallicity. Solid State Communications, 2001, 118, 513-516.	1.9	73
118	Crystal fields inNd2Fe14B. Physical Review B, 1984, 30, 7326-7327.	3.2	72
119	Magnetism in d0 oxides. Nature Materials, 2019, 18, 652-656.	27.5	72
120	Nucleation field and energy product of aligned two-phase magnets-progress towards the '1 MJ/m/sup 3/' magnet. IEEE Transactions on Magnetics, 1993, 29, 2860-2862.	2.1	71
121	Effect of a Magnetic Field on Electrodeposition: Chronoamperometry of Ag, Cu, Zn, and Bi. Journal of the Electrochemical Society, 2001, 148, C674.	2.9	71
122	Models for the Active Site in [FeFe] Hydrogenase with Iron-Bound Ligands Derived from Bis-, Tris-, and Tetrakis(mercaptomethyl)silanes. Inorganic Chemistry, 2010, 49, 10117-10132.	4.0	70
123	Tunable linear magnetoresistance in MgO magnetic tunnel junction sensors using two pinned CoFeB electrodes. Applied Physics Letters, 2012, 100, .	3.3	70
124	High Performance MgO-barrier Magnetic Tunnel Junctions for Flexible and Wearable Spintronic Applications. Scientific Reports, 2017, 7, 42001.	3.3	70
125	Room temperature magnetism in CeO 2 â€"A review. Physics Reports, 2018, 746, 1-39.	25.6	70
126	Influence of hydrogen on the magnetic properties of ironâ€rich metallic glasses (invited). Journal of Applied Physics, 1984, 55, 1800-1804.	2.5	69

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127	Magnetism in thin films of CaB6 and SrB6. Applied Physics Letters, 2004, 85, 6377-6379.	3.3	69
128	Noise in MgO barrier magnetic tunnel junctions with CoFeB electrodes: Influence of annealing temperature. Applied Physics Letters, 2007, 90, 252501.	3.3	69
129	Analysis of highâ€field magnetization measurements on R2Fe14B single crystals (R=Tb, Dy, Ho, Er, and Tm). Journal of Applied Physics, 1988, 63, 3713-3715.	2.5	68
130	Sample size, position, and structure effects on magnetization measurements using second-order gradiometer pickup coils. Review of Scientific Instruments, 2006, 77, 015106.	1.3	66
131	Length-dependent pathogenic effects of nickel nanowires in the lungs and the peritoneal cavity. Nanotoxicology, 2012, 6, 899-911.	3.0	66
132	Reexamination of magnetic isotope and field effects on adenosine triphosphate production by creatine kinase. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1437-1442.	7.1	66
133	Thermopiezic analysis: gas absorption and desorption studies on milligram samples. Journal of Physics E: Scientific Instruments, 1986, 19, 693-694.	0.7	65
134	Thick-film permanent magnets by membrane electrodeposition. Journal of Applied Physics, 2005, 97, 113908.	2.5	64
135	Interaction of Trace Rareâ€Earth Dopants and Nanoheterogeneities Induces Giant Magnetostriction in Feâ€Ga Alloys. Advanced Functional Materials, 2018, 28, 1800858.	14.9	64
136	Amorphous Dy-Cu: Random spin freezing in the presence of strong local anisotropy. Physical Review B, 1981, 24, 1261-1273.	3.2	63
137	Structural and magnetic properties of RE2Fe14BH(D)x; REî—¸Y, Ce, Er. Journal of the Less Common Metals, 1987, 129, 133-144.	0.8	62
138	Magnetoâ€optic Faraday effect in (La1â^'xCax)MnO3films. Applied Physics Letters, 1994, 65, 3017-3018.	3.3	62
139	Conventional and inverse magnetocaloric effects in La0.45Sr0.55MnO3 nanoparticles. Journal of Applied Physics, 2011, 110, .	2.5	62
140	Enhanced magnetoresistance in nanocrystalline magnetite. Journal of Applied Physics, 2003, 93, 8023-8025.	2.5	61
141	Surface magnetism of strontium titanate. Journal of Physics Condensed Matter, 2016, 28, 485001.	1.8	61
142	Novel Permanent Magnetic Materials. Physica Scripta, 1991, T39, 21-28.	2.5	60
143	Fe-Doping-Induced Magnetism in Nano-Hydroxyapatites. Inorganic Chemistry, 2017, 56, 4446-4458.	4.0	60
144	Magnetic properties of biotite micas. Journal of Applied Physics, 1983, 54, 906-915.	2.5	59

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145	Magnetic properties of Y2Fe17Cx. Solid State Communications, 1990, 74, 727-730.	1.9	58
146	Magnetic heat capacity of an amorphous Gd-Al alloy. Solid State Communications, 1977, 24, 167-170.	1.9	57
147	Kohlrausch thermal relaxation in a random magnet. Physical Review Letters, 1987, 58, 385-388.	7.8	57
148	Progress towards spinâ€polarized scanning tunneling microscopy. Journal of Applied Physics, 1992, 71, 5489-5499.	2.5	57
149	Gas phase interstitial modification of rare-earth intermetallics. IEEE Transactions on Magnetics, 1992, 28, 2332-2337.	2.1	57
150	The magnetic concentration gradient forceâ€"Is it real?. Journal of Solid State Electrochemistry, 2007, 11, 711-717.	2.5	57
151	Electrosynthesis of Iron, Cobalt, and Zinc Microcrystals and Magnetic Enhancement of the Oxygen Reduction Reaction. Chemistry of Materials, 2012, 24, 3878-3885.	6.7	57
152	Magnetic and thermal properties of Îµ-Fe2O3. Physica Status Solidi A, 1973, 15, 681-685.	1.7	56
153	Appearance of magnetism in amorphous Y1-xFex. Journal of Magnetism and Magnetic Materials, 1978, 7, 175-177.	2.3	56
154	Effect of hydrogen on the curie temperature of Nd2(Fe15M2); M â‰¡ Al, Si, Co. Journal of the Less Common Metals, 1988, 142, 295-300.	0.8	56
155	Magnetization andFe57hyperfine fields inY2Fe17Z3âˆ'Î´(Z=H, C, or N) interstitial compounds. Physical Review B, 1992, 45, 12278-12286.	3.2	56
156	Spin flop in goethite. Journal of Physics Condensed Matter, 1995, 7, 759-768.	1.8	56
157	Electrodeposited FePt films. IEEE Transactions on Magnetics, 2003, 39, 2699-2701.	2.1	56
158	Crystal structure, magnetism and 57Fe MÃ¶ssbauer spectra of ternary RE6Fe11Al3 and RE6Fe13Ge compounds. Journal of Magnetism and Magnetic Materials, 1992, 117, 225-231.	2.3	55
159	The magnetic soils of Brazil. Earth and Planetary Science Letters, 1986, 78, 322-326.	4.4	54
160	Spin reorientation transitions in Dy(Fe11Ti). Solid State Communications, 1988, 66, 133-135.	1.9	54
161	Iron-rich pseudobinary alloys with the ThMn12 structure obtained by melt spinning: Gd(FenAl12âˆ'n), n = 6, 8, 10. Journal of the Less Common Metals, 1988, 138, 235-240.	0.8	54
162	Nitrogen diffusion in Sm2Fe17 and local elastic and magnetic properties. Journal of Applied Physics, 1993, 73, 7602-7611.	2.5	54

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163	Exchange coupling and energy product in random two-phase aligned magnets. IEEE Transactions on Magnetics, 1994, 30, 607-609.	2.1	54
164	Magnetization Process in Dilute Magnetic Oxides. IEEE Transactions on Magnetics, 2010, 46, 2501-2503.	2.1	54
165	Magnetic properties of sheet silicates; 1:1 layer minerals. Physics and Chemistry of Minerals, 1981, 7, 141-148.	0.8	53
166	EuIr2Si2: a new intermediate valence compound. Journal of Physics C: Solid State Physics, 1986, 19, 4521-4528.	1.5	53
167	Gas-phase interstitially modified intermetallics R(Fe11Ti)Z1- delta. I. Magnetic properties of the series R(Fe11Ti)C1- delta: R=Y, Nd, Sm, Gd, Tb, Dy, Ho, Er, Tm, Lu. Journal of Physics Condensed Matter, 1992, 4, 5573-5584.	1.8	53
168	New magnets from interstitial intermetallics. Physica Scripta, 1993, T49A, 315-321.	2.5	53
169	Dependence of coercivity on particle size in Sm2Fe17N3 powders. Journal of Alloys and Compounds, 1995, 222, 1-7.	5.5	53
170	Magnetoresistance in magnetic tunnel junctions with an organic barrier and an MgO spin filter. Applied Physics Letters, 2009, 95, .	3.3	53
171	One-Electron Energy Levels inFe3O4. Physical Review Letters, 1972, 29, 657-660.	7.8	52
172	Cation Distribution, MÃ¶ssbauer Spectra, and Magnetic Properties of Ferripyrophyllite. Clays and Clay Minerals, 1984, 32, 198-204.	1.3	52
173	Evidence for a gap in the excitation spectrum of CrO2. Journal of Applied Physics, 1998, 83, 7166-7168.	2.5	52
174	Correlation between perpendicular exchange bias and magnetic anisotropy in IrMnâˆ•[Coâˆ•Pt]n and [Ptâˆ•Co]nâˆ•IrMn multilayers. Journal of Applied Physics, 2005, 97, 063907.	2.5	52
175	Intrinsic magnetic properties of compounds with the Nd2Fe14B structure. Journal of the Less Common Metals, 1986, 126, 21-34.	0.8	51
176	Magnetic Structuring of Electrodeposits. Physical Review Letters, 2011, 107, 024501.	7.8	51
177	Ambipolar ferromagnetism by electrostatic doping of a manganite. Nature Communications, 2018, 9, 1897.	12.8	51
178	Raman spectroscopy of ferromagneticCrO2. Physical Review B, 1999, 60, 33-36.	3.2	50
179	The Origin of the Magnetism of Etched Silicon. Advanced Materials, 2009, 21, 71-74.	21.0	50
180	Nickel Sulfideâ€”an Itinerant-Electron Antiferromagnet. Physical Review Letters, 1974, 32, 1257-1260.	7.8	49

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181	Magnetoresistance sensor with an out-of-plane magnetized sensing layer. Applied Physics Letters, 2005, 87, 022504.	3.3	49
182	Enhanced perpendicular magnetic anisotropy in Co/Ni multilayers with a thin seed layer. Journal of Applied Physics, 2010, 108, .	2.5	49
183	Dynamic response of ammonia sensors constructed from polyaniline nanofibre films with varying morphology. Sensors and Actuators B: Chemical, 2012, 161, 989-999.	7.8	49
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