

# John Michael David Coey

## List of Publications by Citations

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41,888  
ext. citations

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L-index

#	Paper	IF	Citations
596	Donor impurity band exchange in dilute ferromagnetic oxides. <i>Nature Materials</i> , <b>2005</b> , 4, 173-9	27	2596
595	Mixed-valence manganites. <i>Advances in Physics</i> , <b>1999</b> , 48, 167-293	18.4	2155
594	Measuring the spin polarization of a metal with a superconducting point contact. <i>Science</i> , <b>1998</b> , 282, 85-8	33.3	1421
593	Giant energy product in nanostructured two-phase magnets. <i>Physical Review B</i> , <b>1993</b> , 48, 15812-15816	3.3	1253
592	Improved magnetic properties by treatment of iron-based rare earth intermetallic compounds in ammonia. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 87, L251-L254	2.8	1249
591	Thin films: unexpected magnetism in a dielectric oxide. <i>Nature</i> , <b>2004</b> , 430, 630	50.4	1048
590	Anisotropic ferromagnetism in substituted zinc oxide. <i>Physical Review Letters</i> , <b>2004</b> , 93, 177206	7.4	933
589	Ferromagnetism in Fe-doped SnO <sub>2</sub> thin films. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 1332-1334	3.4	829
588	Noncollinear Spin Arrangement in Ultrafine Ferrimagnetic Crystallites. <i>Physical Review Letters</i> , <b>1971</b> , 27, 1140-1142	7.4	810
587	Magnetism and Magnetic Materials <b>2001</b> ,		681
586	Electron localization in mixed-valence manganites. <i>Physical Review Letters</i> , <b>1995</b> , 75, 3910-3913	7.4	478
585	Permanent magnets: Plugging the gap. <i>Scripta Materialia</i> , <b>2012</b> , 67, 524-529	5.6	422
584	Magnetic localization in mixed-valence manganites. <i>Physical Review B</i> , <b>1997</b> , 55, 8067-8070	3.3	419
583	Magnetism in hafnium dioxide. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	377
582	Hard Magnetic Materials: A Perspective. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 4671-4681	2	358
581	Amorphous magnetic order. <i>Journal of Applied Physics</i> , <b>1978</b> , 49, 1646-1652	2.5	343
580	Magnetoresistance of Chromium Dioxide Powder Compacts. <i>Physical Review Letters</i> , <b>1998</b> , 80, 3815-3818	18.4	342

579	Magnetoresistance of magnetite. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 734-736	3.4	341
578	Atomic coordination and the distribution of electric field gradients in amorphous solids. <i>Physical Review B</i> , <b>1981</b> , 23, 2513-2530	3.3	320
577	Magnetic properties of a new series of rare-earth iron nitrides: R <sub>2</sub> Fe <sub>17</sub> Ny(y approximately 2.6). <i>Journal of Physics Condensed Matter</i> , <b>1990</b> , 2, 6465-6470	1.8	313
576	Half-metallic ferromagnetism: Example of CrO <sub>2</sub> (invited). <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 8345	2.5	310
575	Dilute magnetic oxides. <i>Current Opinion in Solid State and Materials Science</i> , <b>2006</b> , 10, 83-92	12	306
574	Spin-orbit torque switching without an external field using interlayer exchange coupling. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 758-62	28.7	280
573	Giant Magnetoresistive Effects in a Single Element Magnetic Thin Film. <i>Physical Review Letters</i> , <b>1996</b> , 77, 1580-1583	7.4	265
572	Magnetic nitrides. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 200, 405-424	2.8	253
571	Magnetic properties of iron-rich Fe-Zr glasses. <i>Physical Review B</i> , <b>1987</b> , 35, 8630-8638	3.3	243
570	Magnetism in dilute magnetic oxide thin films based on SnO <sub>2</sub> . <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	237
569	Permanent magnet applications. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 248, 441-456	2.8	236
568	Ferromagnetism in defect-ridden oxides and related materials. <i>New Journal of Physics</i> , <b>2010</b> , 12, 053025.2.9		229
567	Magnetoresistance of Half-Metallic Oxide Nanocontacts. <i>Physical Review Letters</i> , <b>2001</b> , 87,	7.4	228
566	High spin polarization in epitaxial films of ferrimagnetic Mn <sub>3</sub> Ga. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	223
565	Charge-transfer ferromagnetism in oxide nanoparticles. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 134012		222
564	Intrinsic magnetic properties of the iron-rich ThMn <sub>12</sub> -structure alloys R(Fe <sub>11</sub> Ti); R=Y, Nd, Sm, Gd, Tb, Dy, Ho, Er, Tm and Lu. <i>Journal of Physics Condensed Matter</i> , <b>1989</b> , 1, 755-770	1.8	214
563	Evidence for two-band magnetotransport in half-metallic chromium dioxide. <i>Physical Review B</i> , <b>2000</b> , 61, 9621-9628	3.3	197
562	Design of compensated ferrimagnetic Heusler alloys for giant tunable exchange bias. <i>Nature Materials</i> , <b>2015</b> , 14, 679-84	27	196

561	Superparamagnetic Fe <sub>2</sub> O <sub>3</sub> . <i>Physica Status Solidi A</i> , <b>1972</b> , 11, 229-241		178
560	Spin scattering in ferromagnetic thin films. <i>Physical Review B</i> , <b>1996</b> , 53, 8464-8468	3.3	173
559	SnO <sub>2</sub> doped with Mn, Fe or Co: Room temperature dilute magnetic semiconductors. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 7390-7392	2.5	172
558	Topographic and magnetic-sensitive scanning tunneling microscope study of magnetite. <i>Science</i> , <b>1992</b> , 255, 583-6	33.3	166
557	Ferromagnetism of a graphite nodule from the Canyon Diablo meteorite. <i>Nature</i> , <b>2002</b> , 420, 156-9	50.4	163
556	Magnetic properties of amorphous neodymium-transition-metal films. <i>Journal of Applied Physics</i> , <b>1978</b> , 49, 2885-2893	2.5	159
555	Gas-phase carbonation of R <sub>2</sub> Fe <sub>17</sub> ; R = Y, Sm. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1991</b> , 98, 76-78	2.8	157
554	Oxide Dilute Magnetic Semiconductors Fact or Fiction?. <i>MRS Bulletin</i> , <b>2008</b> , 33, 1053-1058	3.2	150
553	Influence of magnetic forces on electrochemical mass transport. <i>Electrochemistry Communications</i> , <b>2001</b> , 3, 215-218	5.1	149
552	New permanent magnets; manganese compounds. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 064211.8	11.8	144
551	Magnetocaloric effect in La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> manganite above room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2011</b> , 323, 2214-2218	2.8	142
550	Accelerated discovery of new magnets in the Heusler alloy family. <i>Science Advances</i> , <b>2017</b> , 3, e1602241	14.3	141
549	Amorphous yttrium-iron alloys. I. Magnetic properties. <i>Journal of Physics F: Metal Physics</i> , <b>1981</b> , 11, 2707-2725		141
548	Magnetic Field Effects on Copper Electrolysis. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 9487-9502	3.4	138
547	Magnetic Structure of an Amorphous Rare-Earth Transition-Metal Alloy. <i>Physical Review Letters</i> , <b>1976</b> , 36, 1061-1064	7.4	137
546	Magnetic water treatment. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 209, 71-74	2.8	136
545	Magnetic fields in electrochemistry: The Lorentz force. A mini-review. <i>Electrochemistry Communications</i> , <b>2014</b> , 42, 38-41	5.1	135
544	Noncollinear spin structures. <i>Canadian Journal of Physics</i> , <b>1987</b> , 65, 1210-1232	1.1	135

543	Critical behavior of La <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	134
542	Magnetic properties of a new family of ternary rare-earth iron nitrides R <sub>2</sub> Fe <sub>17</sub> N <sub>3</sub> (invited). <i>Journal of Applied Physics</i> , <b>1991</b> , 69, 5584-5589	2.5	126
541	A spin of their own. <i>Nature Materials</i> , <b>2009</b> , 8, 693-5	27	123
540	Magnetic semiconductors and half-metals. <i>Journal Physics D: Applied Physics</i> , <b>2004</b> , 37, 988-993	3	123
539	Origin of the Two-Dimensional Electron Gas at LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interfaces: The Role of Oxygen Vacancies and Electronic Reconstruction. <i>Physical Review X</i> , <b>2013</b> , 3,	9.1	122
538	Magnetic properties of the double perovskites A <sub>2</sub> FeMoO <sub>6</sub> ; A = Ca, Sr, Ba. <i>Journal of Physics Condensed Matter</i> , <b>1999</b> , 11, L445-L450	1.8	122
537	Nitrogenation of R <sub>2</sub> Fe <sub>17</sub> compounds: R=rare earth. <i>Journal of Applied Physics</i> , <b>1991</b> , 69, 3007-3010	2.5	121
536	Mn <sub>3</sub> Ga (0001): Multifunctional thin film materials for spintronics and magnetic recording. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2338-2344	1.3	120
535	MAGNETISM. Imaging and control of ferromagnetism in LaMnO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures. <i>Science</i> , <b>2015</b> , 349, 716-9	33.3	119
534	Cobalt-doped ZnO is a room temperature dilute magnetic semiconductor. <i>Applied Surface Science</i> , <b>2005</b> , 247, 493-496	6.7	116
533	Magnetization of a Dy(Fe <sub>11</sub> Ti) single crystal. <i>Physical Review B</i> , <b>1990</b> , 41, 2221-2228	3.3	115
532	Powder magnetoresistance (invited). <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 5576-5581	2.5	113
531	New Spin Structure in an Amorphous Ferric Gel. <i>Nature</i> , <b>1973</b> , 246, 476-478	50.4	111
530	Half-Metallic Ferromagnetic Oxides. <i>MRS Bulletin</i> , <b>2003</b> , 28, 720-724	3.2	110
529	Mössbauer spectrometry of A <sub>2</sub> FeMoO <sub>6</sub> (A=Ca,Sr,Ba): Search for antiphase domains. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	109
528	A <sup>56</sup> Fe Mossbauer study of a new series of rare-earth iron nitrides: R <sub>2</sub> Fe <sub>17</sub> N <sub>3</sub> -delta. <i>Journal of Physics Condensed Matter</i> , <b>1991</b> , 3, 3983-3995	1.8	107
527	Mossbauer spectroscopy of R <sub>2</sub> Fe <sub>14</sub> B. <i>Journal of Physics F: Metal Physics</i> , <b>1987</b> , 17, 483-501		106
526	Surface anisotropy in ferromagnetic nanoparticles. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 8715	2.5	105

- 525 Amorphous yttrium-iron alloys. II. Mossbauer spectra. *Journal of Physics F: Metal Physics*, **1981**, 11, 2727-2744 101
- 524 Electrical switching of the topological anomalous Hall effect in a non-collinear antiferromagnet above room temperature. *Nature Electronics*, **2018**, 1, 172-177 28.4 99
- 523 High-temperature ferromagnetism in dilute magnetic oxides. *Journal of Applied Physics*, **2005**, 97, 10D3125 99
- 522 Metal bonded Sm<sub>2</sub>Fe<sub>17</sub>N<sub>3</sub> magnets. *Journal of Applied Physics*, **1991**, 69, 6735-6737 2.5 99
- 521 A piezoelectric, strain-controlled antiferromagnetic memory insensitive to magnetic fields. *Nature Nanotechnology*, **2019**, 14, 131-136 28.7 98
- 520 Hydrogen absorption and desorption in Nd<sub>2</sub>Fe<sub>14</sub>B. *Applied Physics Letters*, **1986**, 48, 442-444 3.4 97
- 519 Bubble formation at a gas-evolving microelectrode. *Langmuir*, **2014**, 30, 13065-74 4 95
- 518 Magnetic and electric dead layers in (La<sub>0.7</sub>Sr<sub>0.3</sub>)MnO<sub>3</sub> thin films. *Journal of Applied Physics*, **2001**, 89, 3868-3873 2.5 95
- 517 The magnetization of alpha-Fe<sub>16</sub>N<sub>2</sub>. *Journal of Physics Condensed Matter*, **1994**, 6, L23-L28 1.8 95
- 516 Hydrogen absorption and desorption in Nd<sub>2</sub>Fe<sub>17</sub> and Sm<sub>2</sub>Fe<sub>17</sub>. *Journal of Materials Science*, **1988**, 23, 329-331 4.3 95
- 515 The magnetization of bulk Fe<sub>16</sub>N<sub>2</sub> (invited). *Journal of Applied Physics*, **1994**, 76, 6632-6636 2.5 94
- 514 Cubic Mn<sub>2</sub>Ga thin films: crossing the spin gap with ruthenium. *Physical Review Letters*, **2014**, 112, 027201 7.4 93
- 513 Magnetic electrodeposition. *Journal of Alloys and Compounds*, **2001**, 326, 238-245 5.7 93
- 512 The crystal structure of Rh<sub>2</sub>O<sub>3</sub>. *Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry*, **1970**, 26, 1876-1877 93
- 511 Characterisation and magnetic properties of natural ferric gel. *Earth and Planetary Science Letters*, **1973**, 21, 45-51 5.3 88
- 510 Magnetic properties of sheet silicates; 2:1 layer minerals. *Physics and Chemistry of Minerals*, **1982**, 8, 218-229 87
- 509 Mossbauer Study of Electron Hopping in the Octahedral Sites of Fe<sub>3</sub>O<sub>4</sub>. *Journal of Applied Physics*, **1969**, 40, 1402-1403 2.5 86
- 508 Giant heterogeneous magnetostriction in Fe-Ga alloys: Effect of trace element doping. *Acta Materialia*, **2016**, 109, 177-186 8.4 84

507	Production and magnetotransport properties of CrO <sub>2</sub> films. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 5774-5776	3.3	83
506	Electronic configuration of samarium sulphide and related compounds: Mössbauer-effect measurements and a model. <i>Physical Review B</i> , <b>1976</b> , 14, 3744-3752	3.3	83
505	Contact induced magnetism in carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, L155-L161	3.3	80
504	Magnetic, magnetotransport, and optical properties of Al-doped Zn <sub>0.95</sub> Co <sub>0.05</sub> O thin films. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 242508	3.4	79
503	A study of hyperfine interactions in the system (Fe <sub>1-x</sub> Rh <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> using the Mossbauer effect (Bonding parameters). <i>Journal of Physics C: Solid State Physics</i> , <b>1971</b> , 4, 2386-2407	3.4	79
502	Magnetic and electronic properties of D022-Mn <sub>3</sub> Ge (001) films. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 132410-4	3.4	78
501	Field-induced transition in the paramagnetic state of (Sm <sub>0.65</sub> Sr <sub>0.35</sub> )MnO <sub>3</sub> associated with magnetic clusters. <i>Physical Review B</i> , <b>1999</b> , 60, 12847-12851	3.3	78
500	Intrinsic magnetic properties of new rare-earth iron intermetallic series. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1991</b> , 101, 310-316	2.8	78
499	Magnetic and transport properties of pure and carbon-doped divalent RE hexaboride single crystals. <i>Journal of Applied Physics</i> , <b>1980</b> , 51, 574-577	2.5	78
498	Colossal magnetoresistance of the variable range hopping regime in the manganites. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 4964-4966	2.5	76
497	Ferromagnetic nanoparticles with strong surface anisotropy: Spin structures and magnetization processes. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	76
496	Magnetic and structural properties of SmCo <sub>7-x</sub> Ti <sub>x</sub> magnets. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 236, 49-55	2.8	75
495	3d-4f magnetic interactions and crystalline electric field in the R <sub>2</sub> Fe <sub>14</sub> B compounds : Magnetization measurements and Mössbauer study of Gd <sub>2</sub> Fe <sub>14</sub> B. <i>Solid State Communications</i> , <b>1985</b> , 55, 295-298	1.6	74
494	Soft-x-ray spectroscopic investigation of ferromagnetic Co-doped ZnO. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 08M111	2.5	73
493	Internalization of ferromagnetic nanowires by different living cells. <i>Journal of Nanobiotechnology</i> , <b>2006</b> , 4, 9	9.4	73
492	Site-specific order and magnetism in tetragonal Mn <sub>3</sub> Ga thin films. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	71
491	Relationship between ThMn <sub>12</sub> and Th <sub>2</sub> Ni <sub>17</sub> structure types in the YFe <sub>11-x</sub> Ti <sub>x</sub> alloy series. <i>Journal of Applied Physics</i> , <b>1990</b> , 67, 4838-4840	2.5	71
490	Crystal fields in Nd <sub>2</sub> Fe <sub>14</sub> B. <i>Physical Review B</i> , <b>1984</b> , 30, 7326-7327	3.3	69

489	Influence of hydrogen on the magnetic properties of iron-rich metallic glasses (invited). <i>Journal of Applied Physics</i> , <b>1984</b> , 55, 1800-1804	2.5	69
488	High content analysis of the biocompatibility of nickel nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 1341-1345	2.8	68
487	Models for the active site in [FeFe] hydrogenase with iron-bound ligands derived from bis-, tris-, and tetrakis(mercaptomethyl)silanes. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 10117-32	5.1	67
486	Transport and magnetic properties of Mn <sub>2</sub> VAl: Search for half-metallicity. <i>Solid State Communications</i> , <b>2001</b> , 118, 513-516	1.6	67
485	. <i>IEEE Transactions on Magnetics</i> , <b>1993</b> , 29, 2860-2862	2	66
484	Optical, Magnetic, Electrochemical, and Electrical Properties of 8-Hydroxyquinoline-Based Complexes with Al <sup>3+</sup> , Cr <sup>3+</sup> , Mn <sup>2+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> , Cu <sup>2+</sup> , and Zn <sup>2+</sup> . <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 9182-9192	3.8	65
483	Analysis of high-field magnetization measurements on R <sub>2</sub> Fe <sub>14</sub> B single crystals (R=Tb, Dy, Ho, Er, and Tm). <i>Journal of Applied Physics</i> , <b>1988</b> , 63, 3713-3715	2.5	65
482	Magnetism in thin films of CaB <sub>6</sub> and SrB <sub>6</sub> . <i>Applied Physics Letters</i> , <b>2004</b> , 85, 6377-6379	3.4	64
481	Noise in MgO barrier magnetic tunnel junctions with CoFeB electrodes: Influence of annealing temperature. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 252501	3.4	62
480	Effect of a Magnetic Field on Electrodeposition: Chronoamperometry of Ag, Cu, Zn, and Bi. <i>Journal of the Electrochemical Society</i> , <b>2001</b> , 148, C674	3.9	62
479	Magnetic fields in electrochemistry: The Kelvin force. A mini-review. <i>Electrochemistry Communications</i> , <b>2014</b> , 42, 42-45	5.1	61
478	Length-dependent pathogenic effects of nickel nanowires in the lungs and the peritoneal cavity. <i>Nanotoxicology</i> , <b>2012</b> , 6, 899-911	5.3	60
477	Collective magnetic response of CeO <sub>2</sub> nanoparticles. <i>Nature Physics</i> , <b>2016</b> , 12, 694-699	16.2	59
476	Magneto-optic Faraday effect in (La <sub>1-x</sub> Cax)MnO <sub>3</sub> films. <i>Applied Physics Letters</i> , <b>1994</b> , 65, 3017-3018	3.4	59
475	Thermopiezic analysis: gas absorption and desorption studies on milligram samples. <i>Journal of Physics E: Scientific Instruments</i> , <b>1986</b> , 19, 693-694		59
474	Amorphous Dy-Cu: Random spin freezing in the presence of strong local anisotropy. <i>Physical Review B</i> , <b>1981</b> , 24, 1261-1273	3.3	59
473	Mössbauer Spectroscopy of Silicate Minerals <b>1984</b> , 443-509		59
472	Thick-film permanent magnets by membrane electrodeposition. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 113908	2.5	58



471	Magnetic properties of Y <sub>2</sub> Fe <sub>17</sub> C <sub>x</sub> . <i>Solid State Communications</i> , <b>1990</b> , 74, 727-730	1.6	58
470	Tunable linear magnetoresistance in MgO magnetic tunnel junction sensors using two pinned CoFeB electrodes. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 142407	3.4	56
469	Conventional and inverse magnetocaloric effects in La <sub>0.45</sub> Sr <sub>0.55</sub> MnO <sub>3</sub> nanoparticles. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 043905	2.5	56
468	Structural and magnetic properties of RE <sub>2</sub> Fe <sub>14</sub> BH(D) <sub>x</sub> ; RE= Y, Ce, Er. <i>Journal of the Less Common Metals</i> , <b>1987</b> , 129, 133-144		56
467	Magnetic properties of biotite micas. <i>Journal of Applied Physics</i> , <b>1983</b> , 54, 906-915	2.5	56
466	Reexamination of magnetic isotope and field effects on adenosine triphosphate production by creatine kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 1437-42	11.5	55
465	Sample size, position, and structure effects on magnetization measurements using second-order gradiometer pickup coils. <i>Review of Scientific Instruments</i> , <b>2006</b> , 77, 015106	1.7	55
464	Electrodeposited FePt films. <i>IEEE Transactions on Magnetics</i> , <b>2003</b> , 39, 2699-2701	2	55
463	Magnetization and <sup>57</sup> Fe hyperfine fields in Y <sub>2</sub> Fe <sub>17</sub> Z <sub>3</sub> -delta (Z=H, C, or N) interstitial compounds. <i>Physical Review B</i> , <b>1992</b> , 45, 12278-12286	3.3	55
462	. <i>IEEE Transactions on Magnetics</i> , <b>1992</b> , 28, 2332-2337	2	55
461	Kohlrausch thermal relaxation in a random magnet. <i>Physical Review Letters</i> , <b>1987</b> , 58, 385-388	7.4	55
460	Appearance of magnetism in amorphous Y <sub>1-x</sub> Fe <sub>x</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1978</b> , 7, 175-177	2.8	55
459	Enhanced magnetoresistance in nanocrystalline magnetite. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 8023-8025		54
458	Novel Permanent Magnetic Materials. <i>Physica Scripta</i> , <b>1991</b> , T39, 21-28	2.6	54
457	High Performance MgO-barrier Magnetic Tunnel Junctions for Flexible and Wearable Spintronic Applications. <i>Scientific Reports</i> , <b>2017</b> , 7, 42001	4.9	53
456	Spin reorientation transitions in Dy(Fe <sub>11</sub> Ti). <i>Solid State Communications</i> , <b>1988</b> , 66, 133-135	1.6	53
455	Effect of hydrogen on the curie temperature of Nd <sub>2</sub> (Fe <sub>15</sub> M <sub>2</sub> ); M = Al, Si, Co. <i>Journal of the Less Common Metals</i> , <b>1988</b> , 142, 295-300		53
454	Magnetic heat capacity of an amorphous Gd-Al alloy. <i>Solid State Communications</i> , <b>1977</b> , 24, 167-170	1.6	53

453	The magnetic concentration gradient force is it real?. <i>Journal of Solid State Electrochemistry</i> , <b>2007</b> , 11, 711-717	2.6	52
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451	. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 2501-2503	2	51
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