

John Michael David Coey

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

596
papers

39,447
citations

87
h-index

179
g-index

615
ext. papers

41,888
ext. citations

4.6
avg, IF

7.6
L-index

#	Paper	IF	Citations
596	Single-pulse all-optical partial switching in amorphous DyxCo1-x and TbxCo1-x with random anisotropy. <i>Applied Physics Letters</i> , 2022 , 120, 112401	3.4	1
595	Metallic Nitride and Carbide Perovskites: History and Prospects. <i>ECS Journal of Solid State Science and Technology</i> , 2022 , 11, 055002	2	1
594	History of Magnetism and Basic Concepts 2021 , 3-51		
593	Magnetic Oxides and Other Compounds 2021 , 847-922		
592	Neutron Imaging of Paramagnetic Ions: Electrosorption by Carbon Aerogels and Macroscopic Magnetic Forces. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 21831-21839	3.8	0
591	Reversible hydrogen control of antiferromagnetic anisotropy in FeO . <i>Nature Communications</i> , 2021 , 12, 1668	17.4	13
590	Magnetic reversal and pinning in a perpendicular zero-moment half-metal. <i>Physical Review Materials</i> , 2021 , 5,	3.2	4
589	Ultrafast Double Pulse All-Optical Reswitching of a Ferrimagnet. <i>Physical Review Letters</i> , 2021 , 126, 177202	7.4	10
588	Detection of the Faraday Chiral Anisotropy. <i>Physical Review Letters</i> , 2021 , 126, 177401	7.4	9
587	Magnetic Oxides and Other Compounds 2021 , 1-76		
586	Sub-picosecond exchange-relaxation in the compensated ferrimagnet MnRuGa. <i>Journal of Physics Condensed Matter</i> , 2021 ,	1.8	3
585	Magnetic order and magnetotransport in half-metallic ferrimagnetic Mn _y Ru _x Ga thin films. <i>Physical Review B</i> , 2021 , 104,	3.3	5
584	Liquid flow and control without solid walls. <i>Nature</i> , 2020 , 581, 58-62	50.4	37
583	Neutron imaging of liquid-liquid systems containing paramagnetic salt solutions. <i>Applied Physics Letters</i> , 2020 , 116, 022405	3.4	2
582	Exchange-driven all-optical magnetic switching in compensated 3d ferrimagnets. <i>Physical Review Research</i> , 2020 , 2,	3.9	10
581	Helium Ion Microscopy for Reduced Spin Orbit Torque Switching Currents. <i>Nano Letters</i> , 2020 , 20, 7036-7042	10.5	4
580	Single pulse all-optical toggle switching of magnetization without gadolinium in the ferrimagnet MnRuGa. <i>Nature Communications</i> , 2020 , 11, 4444	17.4	33

579	Dispersible SmCo nanoparticles with huge coercivity. <i>Nanoscale</i> , 2019 , 11, 16962-16967	7.7	27
578	Influence of a Magnetic Field on the Electrochemical Double Layer. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 24181-24192	3.8	14
577	Magnetism in d oxides. <i>Nature Materials</i> , 2019 , 18, 652-656	27	45
576	Initial Irreversible Losses and Enhanced High-Temperature Performance of Rare-Earth Permanent Magnets. <i>Advanced Functional Materials</i> , 2019 , 29, 1900690	15.6	23
575	Antiferromagnetic single-layer spin-orbit torque oscillators. <i>Physical Review B</i> , 2019 , 99,	3.3	10
574	Effect of insertion layer on electrode properties in magnetic tunnel junctions with a zero-moment half-metal. <i>Scientific Reports</i> , 2019 , 9, 4020	4.9	3
573	Magnetization dynamics of the compensated ferrimagnet Mn ₂ Ru _x Ga. <i>Physical Review B</i> , 2019 , 100,	3.3	8
572	Multiscale influence of trace Tb addition on the magnetostriction and ductility of <100> oriented directionally solidified Fe-Ga crystals. <i>Physical Review Materials</i> , 2019 , 3,	3.2	9
571	Imaging Domains in a Zero-Moment Half Metal. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-4	2	5
570	A piezoelectric, strain-controlled antiferromagnetic memory insensitive to magnetic fields. <i>Nature Nanotechnology</i> , 2019 , 14, 131-136	28.7	98
569	Electrical switching of the topological anomalous Hall effect in a non-collinear antiferromagnet above room temperature. <i>Nature Electronics</i> , 2018 , 1, 172-177	28.4	99
568	Effect of a Uniform Magnetic Field on Corrosion of Ni-Al Bronze in 3.5 wt% NaCl. <i>Corrosion</i> , 2018 , 74, 197-209	1.8	2
567	Investigating non-Joulian magnetostriction. <i>Nature</i> , 2018 , 556, E5-E7	50.4	9
566	Interaction of Trace Rare-Earth Dopants and Nanoheterogeneities Induces Giant Magnetostriction in Fe-Ga Alloys. <i>Advanced Functional Materials</i> , 2018 , 28, 1800858	15.6	40
565	Room temperature magnetism in CeO ₂ A review. <i>Physics Reports</i> , 2018 , 746, 1-39	27.7	40
564	Effect of a Time-Dependent Magnetic Field on the Corrosion of Nickel-Aluminum Bronze. <i>Corrosion</i> , 2018 , 74, 337-349	1.8	2
563	Determination of bulk domain structure and magnetization processes in bcc ferromagnetic alloys: Analysis of magnetostriction in Fe ₈₃ Ga ₁₇ . <i>Physical Review Materials</i> , 2018 , 2,	3.2	15
562	d-zero magnetism in nanoporous amorphous alumina membranes. <i>Physical Review Materials</i> , 2018 , 2,	3.2	7

561	Pulsed electrochemical and electroless techniques for efficient removal of Sb and Pb from water. <i>Environmental Science: Water Research and Technology</i> , 2018 , 4, 2179-2190	4.2	7
560	Magnetocrystalline anisotropy and exchange probed by high-field anomalous Hall effect in fully compensated half-metallic Mn ₂ Ru _x Ga thin films. <i>Physical Review B</i> , 2018 , 98,	3.3	13
559	Magnetically-Induced Flow during Electropolishing. <i>Journal of the Electrochemical Society</i> , 2018 , 165, E679-E684	3.9	4
558	Magneto-optic Kerr effect in a spin-polarized zero-moment ferrimagnet. <i>Physical Review B</i> , 2018 , 98,	3.3	7
557	Ambipolar ferromagnetism by electrostatic doping of a manganite. <i>Nature Communications</i> , 2018 , 9, 1897	17.4	30
556	High Performance MgO-barrier Magnetic Tunnel Junctions for Flexible and Wearable Spintronic Applications. <i>Scientific Reports</i> , 2017 , 7, 42001	4.9	53
555	Magnetism and Faraday Rotation in Oxygen-Deficient Polycrystalline and Single-Crystal Iron-Substituted Strontium Titanate. <i>Physical Review Applied</i> , 2017 , 7,	4.3	10
554	Joule Heating Effect on Field-Free Magnetization Switching by Spin-Orbit Torque in Exchange-Biased Systems. <i>Physical Review Applied</i> , 2017 , 7,	4.3	29
553	Accelerated discovery of new magnets in the Heusler alloy family. <i>Science Advances</i> , 2017 , 3, e1602241	14.3	141
552	Magnetic properties, exchange bias, and memory effects in core-shell superparamagnetic nanoparticles of La _{0.67} Sr _{0.33} MnO ₃ . <i>Journal of Applied Physics</i> , 2017 , 121, 173902	2.5	26
551	Fe-Doping-Induced Magnetism in Nano-Hydroxyapatites. <i>Inorganic Chemistry</i> , 2017 , 56, 4447-4459	5.1	45
550	Exceptional room-temperature plasticity in amorphous alumina nanotubes fabricated by magnetic hard anodisation. <i>Nanoscale</i> , 2017 , 9, 5205-5211	7.7	10
549	Oxygen Vacancy in WO Film-based FET with Ionic Liquid Gating. <i>Scientific Reports</i> , 2017 , 7, 12253	4.9	12
548	Exchange coupling of a perpendicular ferromagnet to a half-metallic compensated ferrimagnet via a thin hafnium interlayer. <i>Applied Physics Letters</i> , 2017 , 111, 102403	3.4	8
547	Magnetic Dead Layers in La _{0.7} Sr _{0.3} MnO ₃ Revisited. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	6
546	Structure, site-specific magnetism, and magnetotransport properties of epitaxial D022-structure Mn ₂ FexGa thin films. <i>Physical Review B</i> , 2017 , 96,	3.3	10
545	Electrical properties and subband occupancy at the (La,Sr)(Al,Ta)O ₃ /SrTiO ₃ interface. <i>Physical Review Materials</i> , 2017 , 1,	3.2	7
544	Magnetization and anisotropy of cobalt ferrite thin films. <i>Physical Review Materials</i> , 2017 , 1,	3.2	30

543	. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	7
542	Interface-Induced Enhancement of Ferromagnetism in Insulating LaMnO Ultrathin Films. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44931-44937	9.5	16
541	Morphology and structural studies of WO ₃ films deposited on SrTiO ₃ by pulsed laser deposition. <i>Applied Surface Science</i> , 2016 , 390, 43-49	6.7	24
540	Designing a fully compensated half-metallic ferrimagnet. <i>Physical Review B</i> , 2016 , 93,	3.3	26
539	Spin-flip noise due to nonequilibrium spin accumulation. <i>Physical Review B</i> , 2016 , 93,	3.3	2
538	Long-range magnetic coupling across a polar insulating layer. <i>Nature Communications</i> , 2016 , 7, 11015	17.4	16
537	Spin-orbit torque switching without an external field using interlayer exchange coupling. <i>Nature Nanotechnology</i> , 2016 , 11, 758-62	28.7	280
536	Collective magnetic response of CeO ₂ nanoparticles. <i>Nature Physics</i> , 2016 , 12, 694-699	16.2	59
535	Giant heterogeneous magnetostriction in Fe _{1-x} Ga alloys: Effect of trace element doping. <i>Acta Materialia</i> , 2016 , 109, 177-186	8.4	84
534	Magnetic and Electronic Properties of Thin Films of Mn-Ga and Mn-Ge Compounds with Cubic, Tetragonal and Hexagonal Crystal Structures. <i>Springer Series in Materials Science</i> , 2016 , 157-191	0.9	3
533	Defect-Modulated Transistors and Gas-Enhanced Photodetectors on ReS ₂ Nanosheets. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500707	4.6	36
532	Optimization of the magnetic properties of nanostructured Y-Co-Fe alloys for permanent magnets. <i>AIP Advances</i> , 2016 , 6, 056016	1.5	4
531	High field magneto-transport in two-dimensional electron gas LaAlO ₃ /SrTiO ₃ . <i>Applied Physics Letters</i> , 2016 , 109, 122106	3.4	15
530	The zero-moment half metal: How could it change spin electronics?. <i>AIP Advances</i> , 2016 , 6, 055601	1.5	14
529	Tunnelling magnetoresistance of the half-metallic compensated ferrimagnet Mn ₂ Ru _x Ga. <i>Applied Physics Letters</i> , 2016 , 108, 192407	3.4	23
528	Narrow-band tunable terahertz emission from ferrimagnetic Mn _{3-x} Ga thin films. <i>Applied Physics Letters</i> , 2016 , 109, 032403	3.4	27
527	Surface magnetism of strontium titanate. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 485001	1.8	48
526	Effect of tetraalkylammonium cations on gas coalescence at a hydrogen-evolving microelectrode. <i>Langmuir</i> , 2015 , 31, 5738-47	4	3

525	Replacement and Original Magnet Engineering Options (ROMEOS): A European Seventh Framework Project to Develop Advanced Permanent Magnets Without, or with Reduced Use of, Critical Raw Materials. <i>Jom</i> , 2015 , 67, 1306-1317	2.1	28
524	Giant spontaneous Hall effect in zero-moment Mn ₂ Ru _x Ga. <i>Applied Physics Letters</i> , 2015 , 106, 122402	3.4	31
523	Site-specific magnetism of half-metallic Mn ₂ Ru _x Ga thin films determined by x-ray absorption spectroscopy. <i>Physical Review B</i> , 2015 , 91,	3.3	27
522	Design of compensated ferrimagnetic Heusler alloys for giant tunable exchange bias. <i>Nature Materials</i> , 2015 , 14, 679-84	27	196
521	Electron Transport at the TiO ₂ Surfaces of Rutile, Anatase, and Strontium Titanate: The Influence of Orbital Corrugation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24616-21	9.5	32
520	MAGNETISM. Imaging and control of ferromagnetism in LaMnO ₃ /SrTiO ₃ heterostructures. <i>Science</i> , 2015 , 349, 716-9	33.3	119
519	Enhanced energy product in Y-Co-Fe magnets intermediate between Nd-Fe-B and ferrite. <i>Applied Physics Letters</i> , 2015 , 107, 032405	3.4	16
518	Interaction of magnetic nanoparticles with phospholipid films adsorbed at a liquid/liquid interface. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 414-21	3.6	3
517	Mesoscopic structure formation in condensed matter due to vacuum fluctuations. <i>Physical Review B</i> , 2015 , 92,	3.3	28
516	Effect of Deposition Conditions and Annealing Temperature on Tunnel Magnetoresistance and the Structure of MgO-Based Double-Barrier Magnetic Tunnel Junctions. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	1
515	Magnetic fields in electrochemistry: The Lorentz force. A mini-review. <i>Electrochemistry Communications</i> , 2014 , 42, 38-41	5.1	135
514	Vortex state in ferromagnetic nanoparticles. <i>Journal of Applied Physics</i> , 2014 , 115, 17D138	2.5	11
513	Bandgap Control of the Oxygen-Vacancy-Induced Two-Dimensional Electron Gas in SrTiO ₃ . <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400155	4.6	25
512	Structural and magnetic properties of sonoelectrocrystallized magnetite nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 055001	3	22
511	Cubic Mn ₂ Ga thin films: crossing the spin gap with ruthenium. <i>Physical Review Letters</i> , 2014 , 112, 027201	7.4	93
510	New permanent magnets; manganese compounds. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 064211	8	144
509	Bubble formation at a gas-evolving microelectrode. <i>Langmuir</i> , 2014 , 30, 13065-74	4	95
508	Conductance enhancement due to interface magnons in electron-beam evaporated MgO magnetic tunnel junctions with CoFeB free layer deposited at different pressure. <i>Journal of Applied Physics</i> , 2014 , 116, 153905	2.5	3

507	Biaxial strain-induced transport property changes in atomically tailored SrTiO ₃ -based systems. <i>Physical Review B</i> , 2014 , 90,	3.3	32
506	Cooling-field dependence of exchange bias effect in La _{0.45} Sr _{0.55} MnO ₃ nanoparticles. <i>Journal of Applied Physics</i> , 2014 , 116, 043913	2.5	17
505	High field magnetotransport and point contact Andreev reflection measurements on CuCr ₂ Se ₄ and CuCr ₂ Se ₃ Br Degenerate magnetic semiconductor single crystals. <i>Journal of Applied Physics</i> , 2014 , 115, 17C717	2.5	1
504	Simultaneous sensing of L-tyrosine and epinephrine using a glassy carbon electrode modified with nafion and CeO ₂ nanoparticles. <i>Mikrochimica Acta</i> , 2014 , 181, 1947-1955	5.8	32
503	Low frequency noise peak near magnon emission energy in magnetic tunnel junctions. <i>AIP Advances</i> , 2014 , 4, 127102	1.5	1
502	Characterization of the Magnetism of Lycopodium Spores. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	1
501	Magnetic, transport, and structural properties of SrRuO ₃ thin films. <i>Journal of Applied Physics</i> , 2014 , 115, 17C735	2.5	7
500	Magnetization Switching and Hall Effect in Co/Pd-Based Pseudospin-Valves With Perpendicular Magnetic Anisotropy. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	1
499	. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	6
498	Perpendicular exchange bias effect in sputter-deposited CoFe/IrMn bilayers. <i>Applied Physics Letters</i> , 2014 , 104, 152405	3.4	27
497	Symmetry-dependent electron-electron interaction in coherent tunnel junctions resolved by measurements of zero-bias anomaly. <i>Physical Review B</i> , 2014 , 90,	3.3	5
496	Development of Hysteresis in Ball-Milled LaCo _{5-x} Fe _x and La ₂ Co _{7-x} Fe _x . <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	4
495	High-Field Magnetization Behavior of Mn-Al-C Alloys. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	18
494	Magnetic fields in electrochemistry: The Kelvin force. A mini-review. <i>Electrochemistry Communications</i> , 2014 , 42, 42-45	5.1	61
493	The role of polyaniline in the formation of iron-containing nanocomposites. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	7
492	Introduction to Magnetic Oxides 2013 , 1-49		8
491	MgO-Based Double Barrier Magnetic Tunnel Junctions With Synthetic Antiferromagnetic Free Layer. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 5204-5207	2	3
490	Local modification of magnetic anisotropy and ion milling of Co/Pt multilayers using a He ⁺ ion beam microscope. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 195501	3	10

489	Diameter-modulated ferromagnetic CoFe nanowires. <i>Journal of Applied Physics</i> , 2013 , 113, 17A327	2.5	29
488	The zero-magnetization Heusler ferrimagnet. <i>Journal of Applied Physics</i> , 2013 , 113, 17B101	2.5	27
487	Origin of the Two-Dimensional Electron Gas at LaAlO ₃ /SrTiO ₃ Interfaces: The Role of Oxygen Vacancies and Electronic Reconstruction. <i>Physical Review X</i> , 2013 , 3,	9.1	122
486	Structural and magnetic properties of iron in graphite. <i>Carbon</i> , 2013 , 56, 279-287	10.4	10
485	The effect of organics on the structure and magnetization of electro-synthesised magnetite nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	21
484	Influence of growth conditions on magnetite nanoparticles electro-crystallized in the presence of organic molecules. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 10383-96	6.3	21
483	Magnetism at the edge: New phenomena at oxide interfaces. <i>MRS Bulletin</i> , 2013 , 38, 1040-1047	3.2	24
482	Tunneling processes in asymmetric double barrier magnetic tunnel junctions with a thin top MgO layer. <i>Journal of Applied Physics</i> , 2013 , 114, 213909	2.5	5
481	Conducting channel at the LaAlO ₃ /SrTiO ₃ interface. <i>Physical Review B</i> , 2013 , 88,	3.3	11
480	Site-specific order and magnetism in tetragonal Mn ₃ Ga thin films. <i>Physical Review B</i> , 2013 , 87,	3.3	71
479	CoTaZr/Pd multilayer with perpendicular magnetic anisotropy. <i>APL Materials</i> , 2013 , 1, 022104	5.7	2
478	Stabilizing effect of a magnetic field on a gas bubble produced at a microelectrode. <i>Electrochemistry Communications</i> , 2012 , 18, 28-32	5.1	38
477	Dynamic response of ammonia sensors constructed from polyaniline nanofibre films with varying morphology. <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 989-999	8.5	37
476	Ultrathin (CoFe/Pt) _n multilayers with tuned magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 2298-2300	2.8	8
475	Yoke-shaped MgO-barrier magnetic tunnel junction sensors. <i>Applied Physics Letters</i> , 2012 , 101, 262402	3.4	20
474	Electron and spin transport studies of gated lateral organic devices. <i>Journal of Applied Physics</i> , 2012 , 112, 124510	2.5	7
473	Magnetic water treatment [how might it work?]. <i>Philosophical Magazine</i> , 2012 , 92, 3857-3865	1.6	18
472	Nucleation and Electrochemical Growth of Zinc Crystals on Polyaniline Films. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 18308-18317	3.8	22

471	Electrosynthesis of Iron, Cobalt, and Zinc Microcrystals and Magnetic Enhancement of the Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2012 , 24, 3878-3885	9.6	46
470	Tunable linear magnetoresistance in MgO magnetic tunnel junction sensors using two pinned CoFeB electrodes. <i>Applied Physics Letters</i> , 2012 , 100, 142407	3.4	56
469	Permanent magnets: Plugging the gap. <i>Scripta Materialia</i> , 2012 , 67, 524-529	5.6	422
468	Influence of exchange bias on magnetic losses in CoFeB/MgO/CoFeB tunnel junctions. <i>Physical Review B</i> , 2012 , 86,	3.3	17
467	Length-dependent pathogenic effects of nickel nanowires in the lungs and the peritoneal cavity. <i>Nanotoxicology</i> , 2012 , 6, 899-911	5.3	60
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> , 2012 , 109, 1437-42	11.5	55
465	Low magnetisation alloys for in-plane spin transfer torque devices. <i>Journal of Applied Physics</i> , 2012 , 111, 113904	2.5	9
464	Field sensing in MgO double barrier magnetic tunnel junctions with a superparamagnetic Co ₅₀ Fe ₅₀ free layer. <i>Journal of Applied Physics</i> , 2012 , 111, 113906	2.5	10
463	Patterning metallic electrodeposits with magnet arrays. <i>Physical Review B</i> , 2012 , 85,	3.3	34
462	Exchange-biased magnetic tunnel junctions with antiferromagnetic ϵ Mn ₃ Ga. <i>Applied Physics Letters</i> , 2012 , 101, 232402	3.4	31
461	Magnetism of BaB ₆ thin films synthesized by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2012 , 111, 07A322	2.5	9
460	Spin-dependent tunneling spectroscopy in MgO-based double-barrier magnetic tunnel junctions. <i>Journal of Applied Physics</i> , 2012 , 111, 07C712	2.5	4
459	Magnetization processes in micron-scale (CoFe/Pt) _n multilayers with perpendicular anisotropy: First-order reversal curves measured by extraordinary Hall effect. <i>Journal of Applied Physics</i> , 2012 , 111, 07B538	2.5	9
458	Very low 1/f barrier noise in sputtered MgO magnetic tunnel junctions with high tunneling magnetoresistance. <i>Journal of Applied Physics</i> , 2012 , 112, 123907	2.5	5
457	Dependence of charge carrier injection on the interface energy barrier in short-channel polymeric field effect transistors. <i>Applied Physics Letters</i> , 2012 , 100, 143301	3.4	11
456	Dunne and Coey Reply.. <i>Physical Review Letters</i> , 2012 , 109,	7.4	4
455	Influence of growth and annealing conditions on low-frequency magnetic 1/f noise in MgO magnetic tunnel junctions. <i>Journal of Applied Physics</i> , 2012 , 112, 093913	2.5	7
454	Magnetic structuring of linear copper electrodeposits. <i>Journal of Applied Physics</i> , 2012 , 111, 07B915	2.5	10

453	Magnetic and electronic properties of D022-Mn ₃ Ge (001) films. <i>Applied Physics Letters</i> , 2012 , 101, 132419-4	10.4	78
452	Strategies for Fabricating Nanogap Single-Crystal Organic Transistors. <i>ISRN Nanotechnology</i> , 2012 , 2012, 1-6		1
451	Influence of an Au capping layer on the magnetic properties of CoPt nanowires. <i>Applied Physics Letters</i> , 2011 , 98, 252507	3.4	6
450	Conventional and inverse magnetocaloric effects in La _{0.45} Sr _{0.55} MnO ₃ nanoparticles. <i>Journal of Applied Physics</i> , 2011 , 110, 043905	2.5	56
449	Charge injection, transport and localization in rubrene. <i>Synthetic Metals</i> , 2011 , 161, 563-569	3.6	9
448	Optical, Magnetic, Electrochemical, and Electrical Properties of 8-Hydroxyquinoline-Based Complexes with Al ³⁺ , Cr ³⁺ , Mn ²⁺ , Co ²⁺ , Ni ²⁺ , Cu ²⁺ , and Zn ²⁺ . <i>Journal of Physical Chemistry C</i> , 2011 , 115, 9182-9192	3.8	65
447	Annealing effect on perpendicular [CoFe/Pd]nmultilayers. <i>Journal of Physics: Conference Series</i> , 2011 , 303, 012099	0.3	
446	Magnetoresistance in CuPc Based Organic Magnetic Tunnel Junctions. <i>Journal of Physics: Conference Series</i> , 2011 , 303, 012097	0.3	8
445	Annealing effect on low frequency noise in MgO-based magnetic tunnel junctions. <i>Journal of Physics: Conference Series</i> , 2011 , 303, 012098	0.3	2
444	Fermi level spin polarization of polycrystalline thulium by point contact Andreev reflection spectroscopy. <i>Journal of Applied Physics</i> , 2011 , 109, 07C713	2.5	6
443	Magnetism of Nanostructured CeO_2 . <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3509-3512	2	36
442	Hard Magnetic Materials: A Perspective. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4671-4681	2	358
441	Mn ₃ Ga (001): Multifunctional thin film materials for spintronics and magnetic recording. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 2338-2344	1.3	120
440	Revisiting magnetism of capped Au and ZnO nanoparticles: Surface band structure and atomic orbital with giant magnetic moment. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 2352-2360	1.3	40
439	Resonant soft X-ray emission and X-ray absorption studies on Ga _{1-x} Mn _x N grown by pulsed laser deposition. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011 , 8, 1608-1610		1
438	Temperature dependent coercivity crossover in pseudo-spin-valve magnetic tunnel junctions with perpendicular anisotropy. <i>Applied Physics Letters</i> , 2011 , 99, 042502	3.4	11
437	Magnetocaloric effect in La _{0.67} Sr _{0.33} MnO ₃ manganite above room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 2214-2218	2.8	142
436	Magnetic properties of the Co/Alq ₃ interface. <i>Journal of Applied Physics</i> , 2011 , 109, 07C507	2.5	5

435	Magnetic structuring of electrodeposits. <i>Physical Review Letters</i> , 2011 , 107, 024501	7.4	38
434	High spin polarization in epitaxial films of ferrimagnetic Mn ₃ Ga. <i>Physical Review B</i> , 2011 , 83,	3.3	223
433	1/f noise in MgO double-barrier magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2011 , 98, 112504	3.4	24
432	Nanoscale dissipation and magnetoresistive 1/f noise in spin valves. <i>Physical Review B</i> , 2011 , 84,	3.3	12
431	Electric field induced changes in the coercivity of a thin-film ferromagnet. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 305001	3	22
430	Reduced low frequency noise in electron beam evaporated MgO magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2010 , 96, 202506	3.4	26
429	Magnetic noise in structured hard magnets. <i>Physical Review Letters</i> , 2010 , 104, 047202	7.4	19
428	Superparamagnetism in MgO-based magnetic tunnel junctions with a thin pinned ferromagnetic electrode. <i>Physical Review B</i> , 2010 , 81,	3.3	12
427	Boron diffusion in magnetic tunnel junctions with MgO (001) barriers and CoFeB electrodes. <i>Applied Physics Letters</i> , 2010 , 96, 262501	3.4	35
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