

John Michael David Coey

List of Publications by Year in descending order

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604
papers

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3149

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23943
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-pulse all-optical partial switching in amorphous Dy _x Co _{1-x} and Tb _x Co _{1-x} with random anisotropy. Applied Physics Letters, 2022, 120, .	1.5	7
2	Metallic Nitride and Carbide Perovskites: History and Prospects. ECS Journal of Solid State Science and Technology, 2022, 11, 055002.	0.9	8
3	Magnetic Oxides and Other Compounds. , 2021, , 1-76.		0
4	Sub-picosecond exchange relaxation in the compensated ferrimagnet Mn ₂ Ru _x Ga. Journal of Physics Condensed Matter, 2021, 33, 135804.	0.7	7
5	Reversible hydrogen control of antiferromagnetic anisotropy in \pm -Fe ₂ O ₃ . Nature Communications, 2021, 12, 1668.	5.8	30
6	Magnetic reversal and pinning in a perpendicular zero-moment half-metal. Physical Review Materials, 2021, 5, .	0.9	5
7	Ultrafast Double Pulse All-Optical Reswitching of a Ferrimagnet. Physical Review Letters, 2021, 126, 177202.	2.9	21
8	Detection of the Faraday Chiral Anisotropy. Physical Review Letters, 2021, 126, 177401.	2.9	23
9	Pauli paramagnetism of cubic V ₃ Al, CrVTiAl, and related 18-electron Heusler compounds with a group-13 element. Physical Review B, 2021, 103, .	1.1	2
10	Magnetic order and magnetotransport in half-metallic ferrimagnetic $\text{Mn}_{1-x}\text{Ni}_x$ thin films. Physical Review B, 2021, 104, .		
11	Neutron Imaging of Paramagnetic Ions: Electrosorption by Carbon Aerogels and Macroscopic Magnetic Forces. Journal of Physical Chemistry C, 2021, 125, 21831-21839.	1.5	2
12	History of Magnetism and Basic Concepts. , 2021, , 3-51.		2
13	Magnetic Oxides and Other Compounds. , 2021, , 847-922.		0
14	Helium Ion Microscopy for Reduced Spin Orbit Torque Switching Currents. Nano Letters, 2020, 20, 7036-7042.	4.5	12
15	Single pulse all-optical toggle switching of magnetization without gadolinium in the ferrimagnet Mn ₂ Ru _x Ga. Nature Communications, 2020, 11, 4444.	5.8	76
16	Liquid flow and control without solid walls. Nature, 2020, 581, 58-62.	13.7	80
17	Neutron imaging of liquid-liquid systems containing paramagnetic salt solutions. Applied Physics Letters, 2020, 116, 022405.	1.5	4
18	Exchange-driven all-optical magnetic switching in compensated Mn_3d ferrimagnets. Physical Review Research, 2020, 2, .	4.5	24

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19	Magnetization dynamics of the compensated ferrimagnet Mn_2Mn . Physical Review B, 2019, 100, .		
20	Dispersible $SmCo_5$ nanoparticles with huge coercivity. Nanoscale, 2019, 11, 16962-16967.	2.8	37
21	Influence of a Magnetic Field on the Electrochemical Double Layer. Journal of Physical Chemistry C, 2019, 123, 24181-24192.	1.5	36
22	Magnetism in d0 oxides. Nature Materials, 2019, 18, 652-656.	13.3	72
23	Initial Irreversible Losses and Enhanced High-Temperature Performance of Rare-Earth Permanent Magnets. Advanced Functional Materials, 2019, 29, 1900690.	7.8	40
24	Antiferromagnetic single-layer spin-orbit torque oscillators. Physical Review B, 2019, 99, .	1.1	17
25	Effect of insertion layer on electrode properties in magnetic tunnel junctions with a zero-moment half-metal. Scientific Reports, 2019, 9, 4020.	1.6	5
26	Imaging Domains in a Zero-Moment Half Metal. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	8
27	A piezoelectric, strain-controlled antiferromagnetic memory insensitive to magnetic fields. Nature Nanotechnology, 2019, 14, 131-136.	15.6	150
28	Multiscale influence of trace Tb addition on the magnetostriction and ductility of 100nm oriented directionally solidified Fe-Ga crystals. Physical Review Materials, 2019, 3, .		
29	Electrical switching of the topological anomalous Hall effect in a non-collinear antiferromagnet above room temperature. Nature Electronics, 2018, 1, 172-177.	13.1	165
30	Effect of a Uniform Magnetic Field on Corrosion of Ni-Al Bronze in 3.5wt% NaCl. Corrosion, 2018, 74, 197-209.	0.5	2
31	Investigating non-Joulian magnetostriction. Nature, 2018, 556, E5-E7.	13.7	15
32	Interaction of Trace Rare-Earth Dopants and Nanoheterogeneities Induces Giant Magnetostriction in Fe-Ga Alloys. Advanced Functional Materials, 2018, 28, 1800858.	7.8	64
33	Room temperature magnetism in CeO_2 – A review. Physics Reports, 2018, 746, 1-39.	10.3	70
34	Temperature dependence of shot noise in double barrier magnetic tunnel junctions. Physical Review B, 2018, 97, .	1.1	1
35	Pulsed electrochemical and electroless techniques for efficient removal of Sb and Pb from water. Environmental Science: Water Research and Technology, 2018, 4, 2179-2190.	1.2	12
36	Search for M_6 Magnetism in Amorphous M_6 ($M = \text{Tj, ET, Q, O, O, rg, BT, Overlock, 10, Tf, 50}$)		

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37	Magnetocrystalline anisotropy and exchange probed by high-field anomalous Hall effect in fully compensated half-metallic Mn_2Mn thin films. <i>Physical Review B</i> , 2018, 98, .	1.1	20
38	Magnetically-Induced Flow during Electropolishing. <i>Journal of the Electrochemical Society</i> , 2018, 165, E679-E684.	1.3	13
39	Magneto-optic Kerr effect in a spin-polarized zero-moment ferrimagnet. <i>Physical Review B</i> , 2018, 98, .	1.1	10
40	Ambipolar ferromagnetism by electrostatic doping of a manganite. <i>Nature Communications</i> , 2018, 9, 1897.	5.8	51
41	Effect of a Time-Dependent Magnetic Field on the Corrosion of Nickel-Aluminum Bronze. <i>Corrosion</i> , 2018, 74, 337-349.	0.5	3
42	Determination of bulk domain structure and magnetization processes in bcc ferromagnetic alloys: Analysis of magnetostriction in $F_{e_{83}Mn_{17}}$	0.9	21
43	$G_{a_{17}d}$ zero magnetism in nanoporous amorphous alumina membranes. <i>Physical Review Materials</i> , 2018, 2, .	0.9	7
44	High Performance MgO-barrier Magnetic Tunnel Junctions for Flexible and Wearable Spintronic Applications. <i>Scientific Reports</i> , 2017, 7, 42001.	1.6	70
45	Magnetism and Faraday Rotation in Oxygen-Deficient Polycrystalline and Single-Crystal Iron-Substituted Strontium Titanate. <i>Physical Review Applied</i> , 2017, 7, .	1.5	16
46	Joule Heating Effect on Field-Free Magnetization Switching by Spin-Orbit Torque in Exchange-Biased Systems. <i>Physical Review Applied</i> , 2017, 7, .	1.5	48
47	Accelerated discovery of new magnets in the Heusler alloy family. <i>Science Advances</i> , 2017, 3, e1602241.	4.7	197
48	Magnetic properties, exchange bias, and memory effects in core-shell superparamagnetic nanoparticles of $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	28
49	Fe-Doping-Induced Magnetism in Nano-Hydroxyapatites. <i>Inorganic Chemistry</i> , 2017, 56, 4446-4458.	1.9	60
50	Exceptional room-temperature plasticity in amorphous alumina nanotubes fabricated by magnetic hard anodisation. <i>Nanoscale</i> , 2017, 9, 5205-5211.	2.8	13
51	Oxygen Vacancy in WO_3 Film-based FET with Ionic Liquid Gating. <i>Scientific Reports</i> , 2017, 7, 12253.	1.6	19
52	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.	1.5	8
53	Magnetic Dead Layers in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Revisited. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	1.2	10
54	Structure, site-specific magnetism, and magnetotransport properties of epitaxial Mn_2Mn -structure Mn_2Mn thin. <i>Physical Review B</i> , 2017, 96, .	1.1	16

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55	Interface-Induced Enhancement of Ferromagnetism in Insulating LaMnO_3 Ultrathin Films. ACS Applied Materials & Interfaces, 2017, 9, 44931-44937.	4.0	23
56	Electrical properties and subband occupancy at the $\text{LaO}_3/\text{SrTiO}_3$ interface. Physical Review Materials, 2017, 1, .	0.8	8
57	Magnetization and anisotropy of cobalt ferrite thin films. Physical Review Materials, 2017, 1, .	0.9	47
58	Study of the Effect of Annealing on the Properties of Mn_2RuGa Thin Films. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	8
59	Defect-Modulated Transistors and Gas-Enhanced Photodetectors on ReS_2 Nanosheets. Advanced Materials Interfaces, 2016, 3, 1500707.	1.9	39
60	Optimization of the magnetic properties of nanostructured Y-Co-Fe alloys for permanent magnets. AIP Advances, 2016, 6, .	0.6	5
61	High field magneto-transport in two-dimensional electron gas $\text{LaAlO}_3/\text{SrTiO}_3$. Applied Physics Letters, 2016, 109, .	1.5	22
62	The zero-moment half metal: How could it change spin electronics?. AIP Advances, 2016, 6, .	0.6	22
63	Tunnelling magnetoresistance of the half-metallic compensated ferrimagnet Mn_2RuGa . Applied Physics Letters, 2016, 108, .	1.5	32
64	Narrow-band tunable terahertz emission from ferrimagnetic Mn_{3-x}Ga thin films. Applied Physics Letters, 2016, 109, .	1.5	40
65	Surface magnetism of strontium titanate. Journal of Physics Condensed Matter, 2016, 28, 485001.	0.7	61
66	Morphology and structural studies of WO_3 films deposited on SrTiO_3 by pulsed laser deposition. Applied Surface Science, 2016, 390, 43-49.	3.1	29
67	Designing a fully compensated half-metallic ferrimagnet. Physical Review B, 2016, 93, .	1.1	34
68	Spin-flip noise due to nonequilibrium spin accumulation. Physical Review B, 2016, 93, .	1.1	4
69	Long-range magnetic coupling across a polar insulating layer. Nature Communications, 2016, 7, 11015.	5.8	19
70	Spin-orbit torque switching without an external field using interlayer exchange coupling. Nature Nanotechnology, 2016, 11, 758-762.	15.6	411
71	Collective magnetic response of CeO_2 Nanoparticles. Nature Physics, 2016, 12, 694-699.	6.5	76
72	Giant heterogeneous magnetostriction in FeGa alloys: Effect of trace element doping. Acta Materialia, 2016, 109, 177-186.	3.8	112

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73	Mesoscopic structure formation in condensed matter due to vacuum fluctuations. <i>Physical Review B</i> , 2015, 92, .	1.1	34
74	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.	1.2	1
75	Effect of Tetraalkylammonium Cations on Gas Coalescence at a Hydrogen-Evolving Microelectrode. <i>Langmuir</i> , 2015, 31, 5738-5747.	1.6	5
76	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.	0.9	31
77	Giant spontaneous Hall effect in zero-moment Mn_2Ru_xGa . <i>Applied Physics Letters</i> , 2015, 106, .	1.5	35
78	Site-specific magnetism of half-metallic Mn_2Ru_xGa thin films determined by x-ray absorption spectroscopy. <i>Physical Review B</i> , 2015, 91, .	1.1	36
79	Design of compensated ferrimagnetic Heusler alloys for giant tunable exchange bias. <i>Nature Materials</i> , 2015, 14, 679-684.	13.3	250
80	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, 24616-24621.	4.0	39
81	Imaging and control of ferromagnetism in $LaMnO_3/SrTiO_3$ heterostructures. <i>Science</i> , 2015, 349, 716-719.	6.0	153
82	Enhanced energy product in Y-Co-Fe magnets intermediate between Nd-Fe-B and ferrite. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	16
83	Interaction of magnetic nanoparticles with phospholipid films adsorbed at a liquid/liquid interface. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 414-421.	1.3	5
84	Characterization of the Magnetism of Lycopodium Spores. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	2
85	Magnetic, transport, and structural properties of $SrRuO_3$ thin films. <i>Journal of Applied Physics</i> , 2014, 115, 17C735.	1.1	8
86	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.	1.2	1
87	Magnetic Analysis of Polar and Nonpolar Oxide Substrates. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	9
88	Perpendicular exchange bias effect in sputter-deposited CoFe/IrMn bilayers. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	30
89	Symmetry-dependent electron-electron interaction in coherent tunnel junctions resolved by measurements of zero-bias anomaly. <i>Physical Review B</i> , 2014, 90, .	1.1	5
90	Bandgap Enhancement: Bandgap Control of the Oxygen Vacancy-Induced Two-Dimensional Electron Gas in $SrTiO_3$ (Adv. Mater. Interfaces 6/2014). <i>Advanced Materials Interfaces</i> , 2014, 1, .	1.9	1

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91	Development of Hysteresis in Ball-Milled LaCo_5 and La_2Co_7 . IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	5
92	High-Field Magnetization Behavior of Mn-Al-C Alloys. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	18
93	Magnetic fields in electrochemistry: The Kelvin force. A mini-review. Electrochemistry Communications, 2014, 42, 42-45.	2.3	99
94	Magnetic fields in electrochemistry: The Lorentz force. A mini-review. Electrochemistry Communications, 2014, 42, 38-41.	2.3	217
95	Vortex state in ferromagnetic nanoparticles. Journal of Applied Physics, 2014, 115, 17D138.	1.1	11
96	Bandgap Control of the Oxygen Vacancy-Induced Two-Dimensional Electron Gas in SrTiO_3 . Advanced Materials Interfaces, 2014, 1, 1400155.	1.9	27
97	Structural and magnetic properties of sonoelectrocrystallized magnetite nanoparticles. Journal Physics D: Applied Physics, 2014, 47, 055001.	1.3	25
98	Cubic Mn_2Mn Films: Crossing the Spin Gap with Ruthenium. Physical Review Letters, 2014, 112, 027201.	2.9	113
99	New permanent magnets; manganese compounds. Journal of Physics Condensed Matter, 2014, 26, 064211.	0.7	172
100	Bubble Formation at a Gas-Evolving Microelectrode. Langmuir, 2014, 30, 13065-13074.	1.6	134
101	Conductance enhancement due to interface magnons in electron-beam evaporated MgO magnetic tunnel junctions with CoFeB free layer deposited at different pressure. Journal of Applied Physics, 2014, 116, .	1.1	3
102	Biaxial strain-induced transport property changes in atomically tailored SrTiO_3 systems. Physical Review B, 2014, 90, .	3.8	38
103	Cooling-field dependence of exchange bias effect in $\text{La}_{0.45}\text{Sr}_{0.55}\text{MnO}_3$ nanoparticles. Journal of Applied Physics, 2014, 116, .	1.1	17
104	High field magnetotransport and point contact Andreev reflection measurements on CuCr_2Se_4 and $\text{CuCr}_2\text{Se}_3\text{Br}$ Degenerate magnetic semiconductor single crystals. Journal of Applied Physics, 2014, 115, 17C717.	1.1	4
105	Simultaneous sensing of L-tyrosine and epinephrine using a glassy carbon electrode modified with nafion and CeO_2 nanoparticles. Mikrochimica Acta, 2014, 181, 1947-1955.	2.5	40
106	Low frequency noise peak near magnon emission energy in magnetic tunnel junctions. AIP Advances, 2014, 4, .	0.6	2
107	The role of polyaniline in the formation of iron-containing nanocomposites. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	8
108	Introduction to Magnetic Oxides. , 2013, , 1-49.		10

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109	MgO-Based Double Barrier Magnetic Tunnel Junctions With Synthetic Antiferromagnetic Free Layer. IEEE Transactions on Magnetics, 2013, 49, 5204-5207.	1.2	3
110	Local modification of magnetic anisotropy and ion milling of Co/Pt multilayers using a He ⁺ ion beam microscope. Journal Physics D: Applied Physics, 2013, 46, 195501.	1.3	11
111	Diameter-modulated ferromagnetic CoFe nanowires. Journal of Applied Physics, 2013, 113, .	1.1	29
112	The zero-magnetization Heusler ferrimagnet. Journal of Applied Physics, 2013, 113, .	1.1	33
113	Origin of the Two-Dimensional Electron Gas at $\text{LaAlO}_3/\text{SrTiO}_3$ Interface. The Role of Oxygen Vacancies and Electronic Reconstruction. Physical Review X. 2013, 3, .	2.8	144
114	Structural and magnetic properties of iron in graphite. Carbon, 2013, 56, 279-287.	5.4	11
115	The effect of organics on the structure and magnetization of electro-synthesised magnetite nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	23
116	Influence of Growth Conditions on Magnetite Nanoparticles Electro-Crystallized in the Presence of Organic Molecules. International Journal of Molecular Sciences, 2013, 14, 10383-10396.	1.8	26
117	Magnetism at the edge: New phenomena at oxide interfaces. MRS Bulletin, 2013, 38, 1040-1047.	1.7	26
118	Tunneling processes in asymmetric double barrier magnetic tunnel junctions with a thin top MgO layer. Journal of Applied Physics, 2013, 114, 213909.	1.1	8
119	Conducting channel at the $\text{LaAlO}_3/\text{SrTiO}_3$ interface. Physical Review B, 2013, 88, .	1.1	13
120	Site-specific order and magnetism in tetragonal MnGa thin films. Physical Review B, 2013, 87, .	1.1	81
121	CoTaZr/Pd multilayer with perpendicular magnetic anisotropy. APL Materials, 2013, 1, .	2.2	3
122	Exchange-biased magnetic tunnel junctions with antiferromagnetic $\hat{\mu}$ -Mn ₃ Ga. Applied Physics Letters, 2012, 101, .	1.5	37
123	Magnetism of BaB ₆ thin films synthesized by pulsed laser deposition. Journal of Applied Physics, 2012, 111, 07A322.	1.1	11
124	Spin-dependent tunneling spectroscopy in MgO-based double-barrier magnetic tunnel junctions. Journal of Applied Physics, 2012, 111, 07C712.	1.1	4
125	Magnetization processes in micron-scale (CoFe/Pt) _n multilayers with perpendicular anisotropy: First-order reversal curves measured by extraordinary Hall effect. Journal of Applied Physics, 2012, 111, 07B538.	1.1	10
126	Very low 1/f barrier noise in sputtered MgO magnetic tunnel junctions with high tunneling magnetoresistance. Journal of Applied Physics, 2012, 112, 123907.	1.1	6

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127	Dependence of charge carrier injection on the interface energy barrier in short-channel polymeric field effect transistors. Applied Physics Letters, 2012, 100, .	1.5	15
128	Dunne and Coey Reply:. Physical Review Letters, 2012, 109, .	2.9	4
129	Influence of growth and annealing conditions on low-frequency magnetic 1/f noise in MgO magnetic tunnel junctions. Journal of Applied Physics, 2012, 112, .	1.1	7
130	Magnetic structuring of linear copper electrodeposits. Journal of Applied Physics, 2012, 111, 07B915.	1.1	14
131	Magnetic and electronic properties of D_{22} -Mn ₃ Ge (001) films. Applied Physics Letters, 2012, 101, .	1.5	88
132	Yoke-shaped MgO-barrier magnetic tunnel junction sensors. Applied Physics Letters, 2012, 101, .	1.5	23
133	Electron and spin transport studies of gated lateral organic devices. Journal of Applied Physics, 2012, 112, .	1.1	8
134	Magnetic water treatment – how might it work?. Philosophical Magazine, 2012, 92, 3857-3865.	0.7	30
135	Nucleation and Electrochemical Growth of Zinc Crystals on Polyaniline Films. Journal of Physical Chemistry C, 2012, 116, 18308-18317.	1.5	27
136	Electrosynthesis of Iron, Cobalt, and Zinc Microcrystals and Magnetic Enhancement of the Oxygen Reduction Reaction. Chemistry of Materials, 2012, 24, 3878-3885.	3.2	57
137	Tunable linear magnetoresistance in MgO magnetic tunnel junction sensors using two pinned CoFeB electrodes. Applied Physics Letters, 2012, 100, .	1.5	70
138	Permanent magnets: Plugging the gap. Scripta Materialia, 2012, 67, 524-529.	2.6	537
139	Influence of exchange bias on magnetic losses in CoFeB/MgO/CoFeB tunnel junctions. Physical Review B, 2012, 86, .	1.1	18
140	Length-dependent pathogenic effects of nickel nanowires in the lungs and the peritoneal cavity. Nanotoxicology, 2012, 6, 899-911.	1.6	66
141	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.	3.3	66
142	Low magnetisation alloys for in-plane spin transfer torque devices. Journal of Applied Physics, 2012, 111, 113904.	1.1	10
143	Field sensing in MgO double barrier magnetic tunnel junctions with a superparamagnetic Co ₅₀ Fe ₅₀ free layer. Journal of Applied Physics, 2012, 111, 113906.	1.1	12
144	Patterning metallic electrodeposits with magnet arrays. Physical Review B, 2012, 85, .	1.1	42

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145	Stabilizing effect of a magnetic field on a gas bubble produced at a microelectrode. <i>Electrochemistry Communications</i> , 2012, 18, 28-32.	2.3	48
146	Dynamic response of ammonia sensors constructed from polyaniline nanofibre films with varying morphology. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 989-999.	4.0	49
147	Ultrathin (CoFe/Pt) _n multilayers with tuned magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2298-2300.	1.0	10
148	Strategies for Fabricating Nanogap Single-Crystal Organic Transistors. <i>ISRN Nanotechnology</i> , 2012, 2012, 1-6.	1.3	1
149	Temperature dependent coercivity crossover in pseudo-spin-valve magnetic tunnel junctions with perpendicular anisotropy. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	12
150	Influence of an Au capping layer on the magnetic properties of CoPt nanowires. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	7
151	Conventional and inverse magnetocaloric effects in La _{0.45} Sr _{0.55} MnO ₃ nanoparticles. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	62
152	Charge injection, transport and localization in rubrene. <i>Synthetic Metals</i> , 2011, 161, 563-569.	2.1	11
153	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.	1.5	77
154	Annealing effect on perpendicular [CoFe/Pd] _n multilayers. <i>Journal of Physics: Conference Series</i> , 2011, 303, 012099.	0.3	0
155	Magnetoresistance in CuPc Based Organic Magnetic Tunnel Junctions. <i>Journal of Physics: Conference Series</i> , 2011, 303, 012097.	0.3	9
156	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
157	Fermi level spin polarization of polycrystalline thulium by point contact Andreev reflection spectroscopy. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	6
158	Magnetism of Nanostructured CeO_2 . <i>IEEE Transactions on Magnetics</i> , 2011, 47, 3509-3512.	1.2	37
159	Hard Magnetic Materials: A Perspective. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 4671-4681.	1.2	463
160	Mn ₃ AlGa (111): Multifunctional thin film materials for spintronics and magnetic recording. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2338-2344.	0.7	142
161	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.	0.7	42
162	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.	0.8	1

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163	Magnetocaloric effect in La _{0.67} Sr _{0.33} MnO ₃ manganite above room temperature. Journal of Magnetism and Magnetic Materials, 2011, 323, 2214-2218.	1.0	171
164	Magnetic properties of the Co/Alq ₃ interface. Journal of Applied Physics, 2011, 109, .	1.1	7
165	Magnetic Structuring of Electrodeposits. Physical Review Letters, 2011, 107, 024501.	2.9	51
166	High spin polarization in epitaxial films of ferrimagnetic Mn \times 3Ga. Physical Review B, 2011, 83, .	1.1	245
167	1 / f noise in MgO double-barrier magnetic tunnel junctions. Applied Physics Letters, 2011, 98, .	1.5	29
168	Nanoscale dissipation and magnetoresistive $1/f$ noise in spin valves. Physical Review B, 2011, 84, .	1.1	13
169	Electric field induced changes in the coercivity of a thin-film ferromagnet. Journal Physics D: Applied Physics, 2011, 44, 305001.	1.3	23
170	Schottky barriers of rare-earth transition-metal intermetallics on silicon. Journal of Physics: Conference Series, 2010, 200, 072094.	0.3	0
171	Influence of magnetic field on hydrogen reduction and co-reduction in the Cu/CuSO ₄ system. Electrochimica Acta, 2010, 55, 8664-8672.	2.6	31
172	Magnetic Properties of Exchange-Biased $[m \text{ Co/Pt}]_n$ Multilayer With Perpendicular Magnetic Anisotropy. IEEE Transactions on Magnetics, 2010, 46, 1401-1404.	1.2	16
173	Magnetization Process in Dilute Magnetic Oxides. IEEE Transactions on Magnetics, 2010, 46, 2501-2503.	1.2	54
174	Perpendicular Magnetic Anisotropy in CoFeB/Pd Bilayers. IEEE Transactions on Magnetics, 2010, 46, 2116-2118.	1.2	31
175	Electrodeposition of coercive L10 FePt magnets. Journal of Magnetism and Magnetic Materials, 2010, 322, 1572-1575.	1.0	18
176	Comparative Flow Cytometric Analysis of Immunofunctionalized Nanowire and Nanoparticle Signatures. Small, 2010, 6, 247-255.	5.2	32
177	Reduced low frequency noise in electron beam evaporated MgO magnetic tunnel junctions. Applied Physics Letters, 2010, 96, .	1.5	32
178	Magnetic Noise in Structured Hard Magnets. Physical Review Letters, 2010, 104, 047202.	2.9	20
179	Superparamagnetism in MgO-based magnetic tunnel junctions with a thin pinned ferromagnetic electrode. Physical Review B, 2010, 81, .	1.1	13
180	Boron diffusion in magnetic tunnel junctions with MgO (001) barriers and CoFeB electrodes. Applied Physics Letters, 2010, 96, .	1.5	41

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