B J Hickey

List of Publications by Year
in descending order

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		159525	214721
166	3,098	30	47
papers	citations	h-index	g-index

167	167	167	3201
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antiferromagnetic layer thickness dependence of the IrMn/Co exchange-bias system. Physical Review B, 2003, 68, .	1.1	190
2	Ferromagnetism at the interfaces of antiferromagnetic FeRh epilayers. Physical Review B, 2010, 82, .	1.1	114
3	Temperature dependence of spin Hall magnetoresistance in thin YIG/Pt films. Physical Review B, 2014, 89, .	1.1	109
4	Giant magnetoresistance for superparamagnetic particles: Melt-spun granular CuCo. Physical Review B, 1995, 51, 667-669.	1.1	96
5	Onset of exchange bias in ultrathin antiferromagnetic layers. Physical Review B, 2003, 67, .	1.1	95
6	Spin-Orbit Strength Driven Crossover between Intrinsic and Extrinsic Mechanisms of the Anomalous Hall Effect in the Epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>L</mml:mi><mml:msub><mml:mn>1</mml:mn><mml:mn>0</mml:mn></mml:msub></mml:math>-Ordered Ferromagnets FePd and FePt. Physical Review Letters, 2010, 104, 076402.	2.9	86
7	Four-probe electrical transport measurements on individual metallic nanowires. Nanotechnology, 2007, 18, 065204.	1.3	71
8	Quantification of Magnetic Domain Disorder and Correlations in Antiferromagnetically Coupled Multilayers by Neutron Reflectometry. Physical Review Letters, 2000, 85, 4964-4967.	2.9	63
9	Interfacial Origin of the Magnetisation Suppression of Thin Film Yttrium Iron Garnet. Scientific Reports, 2017, 7, 11774.	1.6	55
10	Magnetoresistance of Co/Cu superlattices grown by molecular beam epitaxy. Physical Review B, 1993, 47, 12785-12793.	1.1	54
11	Interface Induced Uniaxial Magnetic Anisotropy in Amorphous CoFeB Films on AlGaAs(001). Physical Review Letters, 2008, 100, 117201.	2.9	54
12	Growth of vertically-aligned carbon nanotube forests on conductive cobalt disilicide support. Journal of Applied Physics, 2010, 108, .	1.1	53
13	Mean Free Path Effects on the Current Perpendicular to the Plane Magnetoresistance of Magnetic Multilayers. Physical Review Letters, 2000, 85, 1314-1317.	2.9	50
14	Exchange Bias and Blocking Temperature inCo/FeMn/CuNiTrilayers. Physical Review Letters, 2007, 98, 217202.	2.9	48
15	Spin-orbit scattering in amorphous CuTi alloys. Journal of Physics F: Metal Physics, 1986, 16, L13-L19.	1.6	43
16	Giant magnetoresistance and oscillatory exchange coupling in disordered Co/Cu multilayers. Journal of Physics Condensed Matter, 1999, 11, 81-88.	0.7	43
17	Soft-x-ray resonant magnetic diffuse scattering from strongly coupled Cu/Co multilayers. Physical Review B, 2000, 61, R3792-R3795.	1.1	42
18	Measurement of hot electron momentum relaxation times in metals by femtosecond ellipsometry. Physical Review B, 2005, 71, .	1.1	42

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19	Localization, Coulomb interaction, and spin-orbit scattering in amorphous Cu-Ti-Au alloys. Physical Review B, 1987, 36, 3074-3078.	1.1	40
20	Superparamagnetism and different growth mechanisms of Co/Au(111) and Co/Cu(111) multilayers grown by molecular-beam epitaxy. Physical Review B, 1997, 55, 416-422.	1.1	40
21	Magnetoresistance oscillations due to internal Landau band structure of a two-dimensional electron system in a periodic magnetic field. Physical Review B, 2001, 64, .	1.1	38
22	Weak magnetic moment on IrMn exchange bias pinning layers. Applied Physics Letters, 2001, 79, 985-987.	1.5	38
23	Investigation of ultrafast demagnetization and cubic optical nonlinearity of Ni in the polar geometry. Journal of Applied Physics, 2004, 95, 7441-7443.	1.1	36
24	Bulk and near-surface magnetic properties of FeRh thin films. Journal of Applied Physics, 2008, 103, .	1.1	36
25	Controlled enhancement or suppression of exchange biasing using impurity<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î´</mml:mi></mml:math>layers. Physical Review B, 2008, 77, .	1.1	36
26	Domain-wall pinning, nonadiabatic spin-transfer torque, and spin-current polarization in permalloy wires doped with vanadium. Physical Review B, 2010, 81, .	1.1	36
27	Enhanced magnetic anisotropy energy density for superparamagnetic particles of cobalt. Physical Review B, 1996, 53, 32-33.	1.1	34
28	Magnetization pinning at a Py/Co interface measured using broadband inductive magnetometry. Journal of Applied Physics, 2010, 108, .	1.1	34
29	Magnetoresistance and Hall magnetometry of single submicron ferromagnetic structures. Journal of Applied Physics, 2000, 87, 5986-5988.	1.1	33
30	New directions in spintronics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3027-3036.	1.6	32
31	Conductance features in point contact Andreev reflection spectra. Journal of Physics Condensed Matter, 2009, 21, 095701.	0.7	30
32	Exchange Bias in Spin-Engineered Double Superlattices. Physical Review Letters, 2002, 89, 077201.	2.9	29
33	The thermopower of metallic glasses. Journal of Physics F: Metal Physics, 1985, 15, 911-919.	1.6	27
34	Bilinear and biquadratic interlayer exchange coupling in sputtered Co/Cu multilayers damaged with residual gas impurities. Physical Review B, 1999, 59, 463-467.	1.1	27
35	The density of states and spectral function in amorphous Si obtained using the equation of motion method in k-space. Journal of Physics C: Solid State Physics, 1986, 19, 6195-6209.	1.5	26
36	Surface influenced magnetostructural transition in FeRh films. Applied Physics Letters, 2009, 95, 222515.	1.5	26

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37	Magnetic properties of spin waves in thin yttrium iron garnet films. Physical Review B, 2017, 95, .	1.1	26
38	Variable wavelength grazing incidence x-ray reflectivity measurements of structural changes on annealingCu/NiFemultilayers. Physical Review B, 2001, 64, .	1.1	25
39	Spin relaxation through Kondo scattering in Cu/Py lateral spin valves. Physical Review B, 2015, 92, .	1.1	25
40	Nanoconstriction microscopy of the giant magnetoresistance in cobalt/copper spin valves. Applied Physics Letters, 1999, 75, 3677-3679.	1.5	24
41	Oscillations in the exchange coupling for (111)-oriented Co/Cu magnetic multilayers grown by molecular-beam epitaxy. Physical Review B, 1993, 48, 1322-1324.	1.1	23
42	Direct Experimental Evidence for the Ruderman-Kittel-Kasuya-Yosida Interaction in Rare-Earth Metals. Physical Review Letters, 2003, 91, 116601.	2.9	23
43	Exchange anisotropy pinning of a standing spin-wave mode. Physical Review B, 2011, 83, .	1.1	23
44	Interface scattering and the giant magnetoresistance of MBE-grown Co/Cu superlattices. Journal of Physics Condensed Matter, 1992, 4, L495-L502.	0.7	22
45	Comparative study of the magnetoresistance of MBE-grown multilayers:â€ƒ[Fe/Cu/Co/Cu]Nand[Fe/Cu]N[Co/Cu]N. Physical Review B, 1999, 60, 3037-3039.	1.1	22
46	Impurity scattering from Î´-layers in giant magnetoresistance systems. Physical Review B, 2001, 63, .	1.1	22
47	Microwave spectroscopy with vector network analyzer for interlayer exchange-coupled symmetrical and asymmetrical NiFe/Ru/NiFe. Journal of Physics Condensed Matter, 2008, 20, 345206.	0.7	22
48	Giant magnetoresistance inAuFe alloys: Evidence for the progressive unblocking of superparamagnetic particles. Physical Review B, 1997, 56, 14602-14606.	1.1	21
49	Experimental Evidence for Electron Channeling in Fe/Au (100) Superlattices. Physical Review Letters, 2001, 86, 5787-5790.	2.9	21
50	Systematic study of molecular beam epitaxy growth and magnetic properties of Fe on Au(111). Journal of Applied Physics, 1997, 81, 3908-3910.	1.1	20
51	Emergent magnetism at transition-metalâ€“nanocarbon interfaces. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5583-5588.	3.3	20
52	Damage caused to interlayer coupling of magnetic multilayers by residual gases. Physical Review B, 2000, 61, 4131-4140.	1.1	19
53	Structural and functional analysis of nanopillar spin electronic devices fabricated by 3D focused ion beam lithography. Nanotechnology, 2008, 19, 485305.	1.3	19
54	Nonlinear Giant Magnetoresistance in Dual Spin Valves. Physical Review Letters, 2009, 103, 237203.	2.9	19

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55	Inverse giant magnetoresistance at room temperature in antiparallel biased spin valves and application to bridge sensors. Applied Physics Letters, 1999, 75, 3847-3849.	1.5	18
56	Hybrid Fe3O4âˆ•GaAs(100) structure for spintronics. Journal of Applied Physics, 2005, 97, 10C313.	1.1	18
57	Quantum interference effects and the magnetoresistance of Cu1-xTixmetallic glasses. Journal of Physics F: Metal Physics, 1986, 16, L175-L181.	1.6	17
58	The resistivity of alkali-metal halide solutions and the effects of '2kF' scattering. Journal of Physics F: Metal Physics, 1985, 15, 2171-2176.	1.6	16
59	Quantum interference effects and the magnitude of the resistivity and thermopower of Ca-Al metallic glasses. Physical Review B, 1988, 38, 5267-5271.	1.1	16
60	Giant magnetoresistance of magnetic multilayer point contacts. Physical Review B, 1999, 60, 10291-10301.	1.1	16
61	Soft x-ray magnetic scattering evidence for biquadratic coupling in Co/Cu multilayers. Physical Review B, 2000, 61, 15331-15337.	1.1	16
62	Structural phase transition of Fe grown on Au(111). Physical Review B, 2005, 71, .	1.1	16
63	Spatial Fluctuations of Loose Spin Coupling in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>CuMn</mml:mi><mml:mo>/</mml:mo><mml:mi>Co</mml:mi></mml:math>Multilayers. Physical Review Letters, 2011, 107, 127201.	2.9	16
64	Thickness dependence study of current-driven ferromagnetic resonance in Y3Fe5O12/heavy metal bilayers. Applied Physics Letters, 2017, 110, .	1.5	16
65	Giant magnetoresistance in meltâ€spun Cu87Co13. Journal of Applied Physics, 1994, 75, 6546-6547.	1.1	15
66	Canted exchange bias in antiparallel biased spin valves. Journal of Applied Physics, 2000, 87, 5058-5060.	1.1	15
67	Influence of the interfacial roughness on electron channelling in Fe/Au(001) multilayers. Journal of Physics Condensed Matter, 2004, 16, 1197-1209.	0.7	15
68	Ultrafast third-order optical nonlinearity of noble and transition metal thin films. Journal of Optics, 2005, 7, S235-S240.	1.5	15
69	Soft x-ray resonant magnetic scattering from an imprinted magnetic domain pattern. Applied Physics Letters, 2006, 89, 092507.	1.5	15
70	Controlled magnetic roughness in a multilayer that has been patterned using a nanosphere array. Physical Review B, 2006, 74, .	1.1	15
71	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ï€</mml:mi></mml:math> -anisotropy: A nanocarbon route to hard magnetism. Physical Review B, 2020, 101, .	1.1	15
72	Giant magnetothermopower and giant magnetoresistance in molecular beam epitaxy grown Co/Cu(111) superlattices. Journal of Applied Physics, 1993, 73, 5521-5523.	1.1	14

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73	Magnetic force microscopy studies of the domain structure of Co/Pd multilayers in a magnetic field. Journal of Applied Physics, 2001, 89, 7534-7536.	1.1	14
74	Mapping domain disorder in exchange-biased magnetic multilayers. Physical Review B, 2002, 66, .	1.1	14
75	Spin-dependent scattering and the spin polarization of a diffusive current in partly disordered L1₀epitaxial FePd. New Journal of Physics, 2010, 12, 033033.	1.2	14
76	The electronic structure and diffusivity for a fully bonded model of amorphous Si atT= 0K. Philosophical Magazine Letters, 1990, 61, 161-166.	0.5	13
77	Inverse giant magnetoresistance in rare-earth/transition metal multilayers. Europhysics Letters, 2000, 49, 528-533.	0.7	13
78	Probing the annular electronic shell structure of a magnetic corral. Physical Review B, 2004, 69, .	1.1	13
79	Optical conversion of pure spin currents in hybrid molecular devices. Nature Communications, 2017, 8, 926.	5.8	12
80	Spin-valve Josephson junctions with perpendicular magnetic anisotropy for cryogenic memory. Applied Physics Letters, 2020, 116, 022601.	1.5	12
81	Characterization of spin valves fabricated on opaque substrates by optical ferromagnetic resonance. Applied Physics Letters, 2002, 81, 1468-1470.	1.5	11
82	The effect of non-local electron scattering on the current-perpendicular-to-plane-mode magnetoresistance of magnetic multilayers. Journal of Physics Condensed Matter, 2000, 12, 4263-4276.	0.7	10
83	A neutron study of magnetic domain correlations in antiferromagnetically coupled multilayers. Journal of Applied Physics, 2000, 87, 5750-5752.	1.1	10
84	Tunneling magnetoresistance spectroscopy: Temperature dependent spin-polarized band structure inCu38Ni62. Physical Review B, 2005, 72, .	1.1	10
85	Spin polarization and exchange coupling of Cu and Mn atoms in paramagnetic CuMn diluted alloys induced by a Co layer. Physical Review B, 2010, 82, .	1.1	10
86	Reversible spin storage in metal oxideâ€"fullerene heterojunctions. Science Advances, 2020, 6, eaax1085.	4.7	10
87	Spin-dependent scattering in the nonmagnetic layers of annealed Co/Cu multilayers. Journal of Applied Physics, 1996, 79, 6250.	1.1	9
88	Magnetoresistance of magnetic multilayers containing three types of magnetic layers. Physical Review B, 2003, 67, .	1.1	9
89	Probing magnetic ordering in multilayers using soft x-ray resonant magnetic scattering. Physical Review B, 2005, 72, .	1.1	9
90	Ultrafast demagnetization of Co25Ni75â^•Pt multilayers with perpendicular anisotropy at elevated temperatures. Journal of Applied Physics, 2005, 97, 10A705.	1.1	9

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91	Structural and magnetic properties of magnetron sputtered Co70Fe30 films on GaAs(110). Journal of Applied Physics, 2009, 105, 073907.	1.1	9
92	Achiral tilted domain walls in perpendicularly magnetized nanowires. Physical Review B, 2017, 95, .	1.1	9
93	Application of the equation-of-motion method to the calculation of optical properties. Journal of Physics Condensed Matter, 1991, 3, 9575-9578.	0.7	8
94	The effect of conformal roughness on spin-valves. Journal Physics D: Applied Physics, 1999, 32, 1169-1174.	1.3	8
95	Magnetic multilayers of Fe/Au: role of the electron mean free path. Journal of Physics Condensed Matter, 1999, 11, 5717-5722.	0.7	8
96	Direct evidence for mean-free-path effects in the magnetoresistance of magnetic multilayers with the current perpendicular to the planes. Physical Review B, 2004, 70, .	1.1	8
97	Ferromagnetic resonance linewidth reduction in Feâ•Au multilayers using ion beams. Journal of Applied Physics, 2008, 103, 07B518.	1.1	8
98	Spin transfer switching and low-field precession in exchange-biased spin valve nanopillars. Applied Physics Letters, 2008, 92, .	1.5	8
99	Determination of equilibrium coupling angles in magnetic multilayers by polarized neutron reflectometry. Physical Review B, 2000, 62, 11340-11343.	1.1	7
100	Finite-size effects in giant magnetoresistance multilayers. Journal of Applied Physics, 2001, 89, 7116-7117.	1.1	7
101	Anisotropic magnetoresistance in a two-dimensional electron gas in a quasirandom magnetic field. Physical Review B, 2004, 70, .	1.1	7
102	Controlled domain wall nucleation and resulting magnetoresistance in Ni81Fe19 nanoconstrictions. Journal of Applied Physics, 2008, 103, .	1.1	7
103	Specular and off-specular polarized neutron reflectometry of canted magnetic domains in loose spin coupled CuMn/Co multilayers. Physical Review B, 2012, 85, .	1.1	7
104	Long spin lifetime and large barrier polarisation in single electron transport through a CoFe nanoparticle. Scientific Reports, 2016, 6, 28296.	1.6	7
105	The Anderson model and '2kF' scattering. Journal of Physics F: Metal Physics, 1985, 15, 2473-2476.	1.6	6
106	Electronic properties of amorphous systems describable by a pseudopotential with applications to amorphous Si. Physical Review B, 1992, 45, 1116-1125.	1.1	6
107	The effect of Au impurities at the interfaces on the magnetoresistance of MBEâ€grown Co/Cu multilayers. Journal of Applied Physics, 1994, 75, 7055-7057.	1.1	6
108	Local probing of the giant magnetoresistance. Applied Physics Letters, 2000, 77, 2370-2372.	1.5	6

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109	Tunneling spin polarization in magnetic tunnel junctions near the Curie temperature. Physical Review B, 2005, 72, .	1.1	6
110	Magnetic properties of FePt nanoparticles annealed with NaCl. , 2006, , .		6
111	In-plane magnetic anisotropies of sputtered Co0.7Fe0.3 films on AlGaAs(001) spin light emitting diode heterostructures. Journal of Applied Physics, 2007, 101, 09D106.	1.1	6
112	Room temperature magnetic stabilization of buried cobalt nanoclusters within a ferromagnetic matrix studied by soft x-ray magnetic circular dichroism. Applied Physics Letters, 2008, 93, .	1.5	6
113	Thickness dependence and the role of spin transfer torque in nonlinear giant magnetoresistance of permalloy dual spin valves. Physical Review B, 2010, 82, .	1.1	6
114	Numerical model of crossed Andreev reflection and charge imbalance. Physical Review B, 2012, 86, .	1.1	6
115	Transport spin polarization of the rare-earth transition-metal alloy Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Gd<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>. Physical Review B, 2012, 85, .	1.1	6
116	The electronic conductivity of Ca-Al metallic glasses. Journal of Physics Condensed Matter, 1990, 2, 7287-7302.	0.7	5
117	Fabrication of metallic point contacts: A new approach for devices with a multilayer or a heterointerface. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1998, 16, 3943.	1.6	5
118	Role of the density of states in the giant magnetoresistance of magnetic multilayers. Journal of Applied Physics, 2000, 87, 4864-4866.	1.1	5
119	Magnetoresistance of interleaved and separated Co/Cu multilayers in the CPP mode. Journal of Applied Physics, 2000, 87, 4834-4836.	1.1	5
120	In situ transport measurements of plasma-oxidized MgO magnetic tunnel junctions during the annealing process. Journal of Applied Physics, 2006, 99, 08T311.	1.1	5
121	Finite size scaling effects in giant magnetoresistance multilayers. Journal of Physics Condensed Matter, 2006, 18, 243-252.	0.7	5
122	In situ transport in alumina-based magnetic tunnel junctions during high-vacuum annealing. Journal of Applied Physics, 2006, 99, 08K701.	1.1	5
123	Suppression of magnetization ripple by exchange bias. Physical Review B, 2009, 79, .	1.1	5
124	Magnetization of (111)-oriented MBE-grown Co/Cu magnetic multilayers. Physical Review B, 1994, 49, 9560-9566.	1.1	4
125	59Co nuclear magnetic resonance studies of the effect of annealing molecular beam epitaxy grown Co/Cu(111) multilayers. Journal of Applied Physics, 1996, 79, 5119.	1.1	4
126	59Co nuclear magnetic resonance studies of interfacial defects in molecular beam epitaxy grown Co/Cu(111) multilayer. Journal of Applied Physics, 1997, 81, 4469-4471.	1.1	4

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127	Quantum transport simulation based on an equation of motion method: An application to current-perpendicular-to-the-plane giant magnetoresistance. Physical Review B, 2005, 72, .	1.1	4
128	Resonant x-ray scattering from a magnetic multilayer reflection grating. Applied Physics Letters, 2005, 86, 112502.	1.5	4
129	Dependence of the magnetoresistance of magnetic multilayers on the number of magnetic layers. Physical Review B, 2008, 77, .	1.1	4
130	Device fabrication with precisely placed carbon nanotubes of known chiral vector. Journal of Physics: Conference Series, 2010, 241, 012082.	0.3	4
131	Transport measurements on carbon nanotubes structurally characterized by electron diffraction. Physical Review B, 2011, 84, .	1.1	4
132	Optical characterization of nonlocal spin transfer torque acting on a single nanomagnet. Physical Review B, 2014, 89, .	1.1	4
133	Thermally induced magnetization dynamics of optically excited <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>YIG</mml:mi><mml:mtext>/</mml:mtext><mml:mi>Cu</mml:mi> trilayers. Physical Review B, 2017, 96, .	1.1	4
134	Confinement of picosecond timescale current pulses by tapered coplanar waveguides. Applied Physics Letters, 2018, 112, .	1.5	4
135	The Hall coefficient in Ba-Al alloys. Journal of Physics Condensed Matter, 1992, 4, 3935-3942.	0.7	3
136	Anisotropy of an ultrathin Cu(111)/Co(111)/Cu(111) wedge. Journal of Physics Condensed Matter, 2000, 12, 8401-8410.	0.7	3
137	High-resolution x-ray diffraction studies of roughness and mosaic defects in epitaxial Fe/Au multilayers. Journal Physics D: Applied Physics, 2001, 34, A203-A207.	1.3	3
138	Resonant magnetic x-ray and neutron diffuse studies of transition metal multilayers. Journal of Applied Physics, 2003, 93, 6510-6512.	1.1	3
139	Element specific separation of bulk and interfacial magnetic hysteresis loops. Applied Physics Letters, 2007, 91, 132510.	1.5	3
140	Optical excitation of a coherent transverse optical phonon in a polycrystalline Zr metal film. Physical Review B, 2007, 76, .	1.1	3
141	Scanning Thermal Microscopy and Ballistic Phonon Transport in Lateral Spin Valves. Physical Review Letters, 2021, 127, 035901.	2.9	3
142	X-ray diffraction study of Co-Cu superlattices. Journal of Physics Condensed Matter, 2000, 12, 6755-6771.	0.7	2
143	The simulation of electron diffusion in solids at finite temperature. Modelling and Simulation in Materials Science and Engineering, 2001, 9, 37-45.	0.8	2
144	Influence of Î´-layers on indirect exchange coupling in giant magnetoresistance multilayers. Europhysics Letters, 2001, 54, 262-268.	0.7	2

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145	Micromagnetic disorder in antiparallel biased spin valves. Applied Physics Letters, 2001, 79, 4384-4386.	1.5	2
146	Structural and magnetic roughness in a Coâ•Ru multilayer patterned into a large scale hexagonal array. Journal of Applied Physics, 2008, 103, 07B513.	1.1	2
147	TEM characterization of a magnetic tunnel junction. Journal of Physics: Conference Series, 2008, 126, 012058.	0.3	2
148	Magnetoresistance of as-prepared samples of magnetic multilayers: A unified picture. Physical Review B, 2009, 79, .	1.1	2
149	Reduction in critical current of current induced switching in an inhomogeneous nanomagnet. Applied Physics Letters, 2009, 94, 122511.	1.5	2
150	Influence of Barrier Width on Spin-Polarisation Measured byÂPoint Contact Andreev Reflection. Journal of Superconductivity and Novel Magnetism, 2011, 24, 939-943.	0.8	2
151	Band-structure-dependent nonlinear giant magnetoresistance in Ni<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>dual spin valves. Physical Review B, 2012, 86, .	1.1	2
152	Enhanced Exchange Bias of Spin Valves Fabricated on Fullerene-Based Seed Layers. IEEE Transactions on Magnetics, 2012, 48, 3047-3050.	1.2	2
153	Pt and CoB trilayer Josephson $$pi $$ junctions with perpendicular magnetic anisotropy. Scientific Reports, 2021, 11, 11173.	1.6	2
154	Free-electron-like Hall effect and deviations from free-electron behavior in Ca-Al amorphous alloys. Physical Review B, 1995, 51, 15567-15568.	1.1	1
155	Using magnetoresistance to investigate magnetic interface anisotropy. Journal of Applied Physics, 1997, 81, 4476-4478.	1.1	1
156	Interactions of self-organised discotic liquid crystals with ultrathin metal films. Materials Science and Technology, 2002, 18, 729-732.	0.8	1
157	Magnetoresistance of magnetic multilayers: a phenomenological approach. Journal of Physics Condensed Matter, 2006, 18, 4641-4647.	0.7	1
158	New results for the dependence of the magnetoresistance of magnetic multilayers on the layer thickness. Europhysics Letters, 2008, 83, 57007.	0.7	1
159	Electrical Detection of DC Spin Current Propagation Through an Epitaxial Antiferromagnetic NiO Layer. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	1
160	Giant Magnetoresistance and Microstructure of Melt-Spun Cu ₇₀ Co ₃₀ Ribbons. Chinese Physics Letters, 1997, 14, 148-150.	1.3	0
161	Electronic Transport in Self-organised Molecular Nanostructured Devices. VLSI Design, 2001, 13, 305-309.	0.5	0
162	IN-PLANE RESISTANCE OF AN ULTRA THIN GOLD FILM: INFLUENCE OF A COPPER PHTHALOCYANINE OVERLAYER. Molecular Crystals and Liquid Crystals, 2004, 413, 81-90.	0.4	0

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163	Temperature-driven band motion prior to the phase transition of an itinerant ferromagnet. Journal of Applied Physics, 2006, 99, 08E501.	1.1	0
164	Additional sub-gap conductance enhancement in nanoscale Andreev point contact junctions. Journal of Physics Condensed Matter, 2007, 19, 136211.	0.7	0
165	Grazing incidence Xâ€ray scattering from epitaxial Fe/Au multilayers. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 2626-2632.	0.8	0
166	Observation of a molecular muonium polaron and its application to probing magnetic and electronic states. Physical Review B, 2021, 104, .	1.1	0