

# B J Hickey

## List of Publications by Year in descending order

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3201  
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#	ARTICLE	IF	CITATIONS
1	Electrical Detection of DC Spin Current Propagation Through an Epitaxial Antiferromagnetic NiO Layer. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	1
2	Pt and CoB trilayer Josephson $\pi$ junctions with perpendicular magnetic anisotropy. Scientific Reports, 2021, 11, 11173.	1.6	2
3	Scanning Thermal Microscopy and Ballistic Phonon Transport in Lateral Spin Valves. Physical Review Letters, 2021, 127, 035901.	2.9	3
4	Observation of a molecular muonium polaron and its application to probing magnetic and electronic states. Physical Review B, 2021, 104, .	1.1	0
5	Spin-valve Josephson junctions with perpendicular magnetic anisotropy for cryogenic memory. Applied Physics Letters, 2020, 116, 022601.	1.5	12
6	$\pi$ -anisotropy: A nanocarbon route to hard magnetism. Physical Review B, 2020, 101, .	1.1	15
7	Reversible spin storage in metal oxide/fullerene heterojunctions. Science Advances, 2020, 6, eaax1085.	4.7	10
8	Confinement of picosecond timescale current pulses by tapered coplanar waveguides. Applied Physics Letters, 2018, 112, .	1.5	4
9	Thickness dependence study of current-driven ferromagnetic resonance in Y3Fe5O12/heavy metal bilayers. Applied Physics Letters, 2017, 110, .	1.5	16
10	Magnetic properties of spin waves in thin yttrium iron garnet films. Physical Review B, 2017, 95, .	1.1	26
11	Emergent magnetism at transition-metal/nanocarbon interfaces. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5583-5588.	3.3	20
12	Interfacial Origin of the Magnetisation Suppression of Thin Film Yttrium Iron Garnet. Scientific Reports, 2017, 7, 11774.	1.6	55
13	Optical conversion of pure spin currents in hybrid molecular devices. Nature Communications, 2017, 8, 926.	5.8	12
14	Thermally induced magnetization dynamics of optically excited $\text{YIG}/\text{Cu}$ trilayers. Physical Review B, 2017, 96, .	1.1	9
15	Achiral tilted domain walls in perpendicularly magnetized nanowires. Physical Review B, 2017, 95, .	1.1	9
16	Long spin lifetime and large barrier polarisation in single electron transport through a CoFe nanoparticle. Scientific Reports, 2016, 6, 28296.	1.6	7
17	Spin relaxation through Kondo scattering in Cu/Py lateral spin valves. Physical Review B, 2015, 92, .	1.1	25
18	Temperature dependence of spin Hall magnetoresistance in thin YIG/Pt films. Physical Review B, 2014, 89, .	1.1	109

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19	Optical characterization of nonlocal spin transfer torque acting on a single nanomagnet. Physical Review B, 2014, 89, .	1.1	4
20	Numerical model of crossed Andreev reflection and charge imbalance. Physical Review B, 2012, 86, .	1.1	6
21	Transport spin polarization of the rare-earth transition-metal alloy $\text{Co}_{1-x}\text{Gd}_x$ . Physical Review B, 2012, 85, .	1.1	7
22	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
23	Band-structure-dependent nonlinear giant magnetoresistance in $\text{Ni}_{1-x}\text{Fe}_x$ dual spin valves. Physical Review B, 2012, 86, .	1.2	2
24	Enhanced Exchange Bias of Spin Valves Fabricated on Fullerene-Based Seed Layers. IEEE Transactions on Magnetism, 2012, 48, 3047-3050.	1.2	2
25	Spatial Fluctuations of Loose Spin Coupling in $\text{CuMn/Co}$ Multilayers. Physical Review Letters, 2011, 107, 127201.	2.9	16
26	Transport measurements on carbon nanotubes structurally characterized by electron diffraction. Physical Review B, 2011, 84, .	1.1	4
27	New directions in spintronics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3027-3036.	1.6	32
28	Influence of Barrier Width on Spin-Polarisation Measured by Point Contact Andreev Reflection. Journal of Superconductivity and Novel Magnetism, 2011, 24, 939-943.	0.8	2
29	Exchange anisotropy pinning of a standing spin-wave mode. Physical Review B, 2011, 83, .	1.1	23
30	Device fabrication with precisely placed carbon nanotubes of known chiral vector. Journal of Physics: Conference Series, 2010, 241, 012082.	0.3	4
31	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
32	Spin-Orbit Strength Driven Crossover between Intrinsic and Extrinsic Mechanisms of the Anomalous Hall Effect in the Epitaxial $\text{L}_{1-x}\text{Mn}_x\text{O}$ -Ordered Ferromagnets FePd and FePt. Physical Review Letters, 2010, 104, 076402.	2.9	86
33	Ferromagnetism at the interfaces of antiferromagnetic FeRh epilayers. Physical Review B, 2010, 82, .	1.1	114
34	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
35	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
36	Growth of vertically-aligned carbon nanotube forests on conductive cobalt disilicide support. Journal of Applied Physics, 2010, 108, .	1.1	53

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37	Magnetization pinning at a Py/Co interface measured using broadband inductive magnetometry. Journal of Applied Physics, 2010, 108, .	1.1	34
38	Spin-dependent scattering and the spin polarization of a diffusive current in partly disordered L1<sub>0</sub> epitaxial FePd. New Journal of Physics, 2010, 12, 033033.	1.2	14
39	Magneto-resistance of as-prepared samples of magnetic multilayers: A unified picture. Physical Review B, 2009, 79, .	1.1	2
40	Suppression of magnetization ripple by exchange bias. Physical Review B, 2009, 79, .	1.1	5
41	Reduction in critical current of current induced switching in an inhomogeneous nanomagnet. Applied Physics Letters, 2009, 94, 122511.	1.5	2
42	Conductance features in point contact Andreev reflection spectra. Journal of Physics Condensed Matter, 2009, 21, 095701.	0.7	30
43	Structural and magnetic properties of magnetron sputtered Co <sub>70</sub> Fe <sub>30</sub> films on GaAs(110). Journal of Applied Physics, 2009, 105, 073907.	1.1	9
44	Surface influenced magnetostructural transition in FeRh films. Applied Physics Letters, 2009, 95, 222515.	1.5	26
45	Nonlinear Giant Magneto-resistance in Dual Spin Valves. Physical Review Letters, 2009, 103, 237203.	2.9	19
46	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
47	Controlled domain wall nucleation and resulting magneto-resistance in Ni <sub>81</sub> Fe <sub>19</sub> nanoconstrictions. Journal of Applied Physics, 2008, 103, .	1.1	7
48	Bulk and near-surface magnetic properties of FeRh thin films. Journal of Applied Physics, 2008, 103, .	1.1	36
49	New results for the dependence of the magneto-resistance of magnetic multilayers on the layer thickness. Europhysics Letters, 2008, 83, 57007.	0.7	1
50	Structural and functional analysis of nanopillar spin electronic devices fabricated by 3D focused ion beam lithography. Nanotechnology, 2008, 19, 485305.	1.3	19
51	Interface Induced Uniaxial Magnetic Anisotropy in Amorphous CoFeB Films on AlGaAs(001). Physical Review Letters, 2008, 100, 117201.	2.9	54
52	Ferromagnetic resonance linewidth reduction in Fe•Au multilayers using ion beams. Journal of Applied Physics, 2008, 103, 07B518.	1.1	8
53	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
54	Structural and magnetic roughness in a Co•Ru multilayer patterned into a large scale hexagonal array. Journal of Applied Physics, 2008, 103, 07B513.	1.1	2

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55	Spin transfer switching and low-field precession in exchange-biased spin valve nanopillars. Applied Physics Letters, 2008, 92, .	1.5	8
56	Controlled enhancement or suppression of exchange biasing using impurity $\langle \text{mml:math display="inline"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ layers. Physical Review B, 2008, 77, .	1.1	36
57	Dependence of the magnetoresistance of magnetic multilayers on the number of magnetic layers. Physical Review B, 2008, 77, .	1.1	4
58	TEM characterization of a magnetic tunnel junction. Journal of Physics: Conference Series, 2008, 126, 012058.	0.3	2
59	Additional sub-gap conductance enhancement in nanoscale Andreev point contact junctions. Journal of Physics Condensed Matter, 2007, 19, 136211.	0.7	0
60	Element specific separation of bulk and interfacial magnetic hysteresis loops. Applied Physics Letters, 2007, 91, 132510.	1.5	3
61	Optical excitation of a coherent transverse optical phonon in a polycrystalline Zr metal film. Physical Review B, 2007, 76, .	1.1	3
62	In-plane magnetic anisotropies of sputtered Co <sub>0.7</sub> Fe <sub>0.3</sub> films on AlGaAs(001) spin light emitting diode heterostructures. Journal of Applied Physics, 2007, 101, 09D106.	1.1	6
63	Exchange Bias and Blocking Temperature in Co/FeMn/CuNi Trilayers. Physical Review Letters, 2007, 98, 217202.	2.9	48
64	Four-probe electrical transport measurements on individual metallic nanowires. Nanotechnology, 2007, 18, 065204.	1.3	71
65	Grazing incidence X-ray scattering from epitaxial Fe/Au multilayers. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 2626-2632.	0.8	0
66	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
67	Finite size scaling effects in giant magnetoresistance multilayers. Journal of Physics Condensed Matter, 2006, 18, 243-252.	0.7	5
68	Magnetic properties of FePt nanoparticles annealed with NaCl. , 2006, , .		6
69	In situ transport in alumina-based magnetic tunnel junctions during high-vacuum annealing. Journal of Applied Physics, 2006, 99, 08K701.	1.1	5
70	Soft x-ray resonant magnetic scattering from an imprinted magnetic domain pattern. Applied Physics Letters, 2006, 89, 092507.	1.5	15
71	Temperature-driven band motion prior to the phase transition of an itinerant ferromagnet. Journal of Applied Physics, 2006, 99, 08E501.	1.1	0
72	Controlled magnetic roughness in a multilayer that has been patterned using a nanosphere array. Physical Review B, 2006, 74, .	1.1	15

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73	Magnetoresistance of magnetic multilayers: a phenomenological approach. Journal of Physics Condensed Matter, 2006, 18, 4641-4647.	0.7	1
74	Ultrafast third-order optical nonlinearity of noble and transition metal thin films. Journal of Optics, 2005, 7, S235-S240.	1.5	15
75	Probing magnetic ordering in multilayers using soft x-ray resonant magnetic scattering. Physical Review B, 2005, 72, .	1.1	9
76	Ultrafast demagnetization of Co <sub>25</sub> Ni <sub>75</sub> •Pt multilayers with perpendicular anisotropy at elevated temperatures. Journal of Applied Physics, 2005, 97, 10A705.	1.1	9
77	Tunneling magnetoresistance spectroscopy: Temperature dependent spin-polarized band structure in Cu <sub>38</sub> Ni <sub>62</sub> . Physical Review B, 2005, 72, .	1.1	10
78	Measurement of hot electron momentum relaxation times in metals by femtosecond ellipsometry. Physical Review B, 2005, 71, .	1.1	42
79	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
80	Hybrid Fe <sub>3</sub> O <sub>4</sub> •GaAs(100) structure for spintronics. Journal of Applied Physics, 2005, 97, 10C313.	1.1	18
81	Tunneling spin polarization in magnetic tunnel junctions near the Curie temperature. Physical Review B, 2005, 72, .	1.1	6
82	Structural phase transition of Fe grown on Au(111). Physical Review B, 2005, 71, .	1.1	16
83	Resonant x-ray scattering from a magnetic multilayer reflection grating. Applied Physics Letters, 2005, 86, 112502.	1.5	4
84	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
85	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
86	Probing the annular electronic shell structure of a magnetic corral. Physical Review B, 2004, 69, .	1.1	13
87	Anisotropic magnetoresistance in a two-dimensional electron gas in a quasirandom magnetic field. Physical Review B, 2004, 70, .	1.1	7
88	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
89	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
90	Antiferromagnetic layer thickness dependence of the IrMn/Co exchange-bias system. Physical Review B, 2003, 68, .	1.1	190

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91	Magnetoresistance of magnetic multilayers containing three types of magnetic layers. Physical Review B, 2003, 67, .	1.1	9
92	Resonant magnetic x-ray and neutron diffuse studies of transition metal multilayers. Journal of Applied Physics, 2003, 93, 6510-6512.	1.1	3
93	Onset of exchange bias in ultrathin antiferromagnetic layers. Physical Review B, 2003, 67, .	1.1	95
94	Direct Experimental Evidence for the Ruderman-Kittel-Kasuya-Yosida Interaction in Rare-Earth Metals. Physical Review Letters, 2003, 91, 116601.	2.9	23
95	Exchange Bias in Spin-Engineered Double Superlattices. Physical Review Letters, 2002, 89, 077201.	2.9	29
96	Mapping domain disorder in exchange-biased magnetic multilayers. Physical Review B, 2002, 66, .	1.1	14
97	Interactions of self-organised discotic liquid crystals with ultrathin metal films. Materials Science and Technology, 2002, 18, 729-732.	0.8	1
98	Characterization of spin valves fabricated on opaque substrates by optical ferromagnetic resonance. Applied Physics Letters, 2002, 81, 1468-1470.	1.5	11
99	Experimental Evidence for Electron Channeling in Fe/Au (100) Superlattices. Physical Review Letters, 2001, 86, 5787-5790.	2.9	21
100	Impurity scattering from $\hat{\Gamma}$ -layers in giant magnetoresistance systems. Physical Review B, 2001, 63, .	1.1	22
101	Electronic Transport in Self-organised Molecular Nanostructured Devices. VLSI Design, 2001, 13, 305-309.	0.5	0
102	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
103	Influence of $\hat{\Gamma}$ -layers on indirect exchange coupling in giant magnetoresistance multilayers. Europhysics Letters, 2001, 54, 262-268.	0.7	2
104	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
105	Micromagnetic disorder in antiparallel biased spin valves. Applied Physics Letters, 2001, 79, 4384-4386.	1.5	2
106	Finite-size effects in giant magnetoresistance multilayers. Journal of Applied Physics, 2001, 89, 7116-7117.	1.1	7
107	Variable wavelength grazing incidence x-ray reflectivity measurements of structural changes on annealing Cu/NiFe multilayers. Physical Review B, 2001, 64, .	1.1	25
108	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

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109	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
110	Weak magnetic moment on IrMn exchange bias pinning layers. Applied Physics Letters, 2001, 79, 985-987.	1.5	38
111	Anisotropy of an ultrathin Cu(111)/Co(111)/Cu(111) wedge. Journal of Physics Condensed Matter, 2000, 12, 8401-8410.	0.7	3
112	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
113	X-ray diffraction study of Co-Cu superlattices. Journal of Physics Condensed Matter, 2000, 12, 6755-6771.	0.7	2
114	Canted exchange bias in antiparallel biased spin valves. Journal of Applied Physics, 2000, 87, 5058-5060.	1.1	15
115	Quantification of Magnetic Domain Disorder and Correlations in Antiferromagnetically Coupled Multilayers by Neutron Reflectometry. Physical Review Letters, 2000, 85, 4964-4967.	2.9	63
116	Role of the density of states in the giant magnetoresistance of magnetic multilayers. Journal of Applied Physics, 2000, 87, 4864-4866.	1.1	5
117	Soft-x-ray resonant magnetic diffuse scattering from strongly coupled Cu/Co multilayers. Physical Review B, 2000, 61, R3792-R3795.	1.1	42
118	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
119	A neutron study of magnetic domain correlations in antiferromagnetically coupled multilayers. Journal of Applied Physics, 2000, 87, 5750-5752.	1.1	10
120	Magnetoresistance of interleaved and separated Co/Cu multilayers in the CPP mode. Journal of Applied Physics, 2000, 87, 4834-4836.	1.1	5
121	Damage caused to interlayer coupling of magnetic multilayers by residual gases. Physical Review B, 2000, 61, 4131-4140.	1.1	19
122	Determination of equilibrium coupling angles in magnetic multilayers by polarized neutron reflectometry. Physical Review B, 2000, 62, 11340-11343.	1.1	7
123	Soft x-ray magnetic scattering evidence for biquadratic coupling in Co/Cu multilayers. Physical Review B, 2000, 61, 15331-15337.	1.1	16
124	Inverse giant magnetoresistance in rare-earth/transition metal multilayers. Europhysics Letters, 2000, 49, 528-533.	0.7	13
125	Magnetoresistance and Hall magnetometry of single submicron ferromagnetic structures. Journal of Applied Physics, 2000, 87, 5986-5988.	1.1	33
126	Local probing of the giant magnetoresistance. Applied Physics Letters, 2000, 77, 2370-2372.	1.5	6



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127	The effect of conformal roughness on spin-valves. Journal Physics D: Applied Physics, 1999, 32, 1169-1174.	1.3	8
128	Magnetic multilayers of Fe/Au: role of the electron mean free path. Journal of Physics Condensed Matter, 1999, 11, 5717-5722.	0.7	8
129	Nanoconstriction microscopy of the giant magnetoresistance in cobalt/copper spin valves. Applied Physics Letters, 1999, 75, 3677-3679.	1.5	24
130	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
131	Comparative study of the magnetoresistance of MBE-grown multilayers: $\epsilon_f$ [Fe/Cu/Co/Cu]N and [Fe/Cu]N[Co/Cu]N. Physical Review B, 1999, 60, 3037-3039.	1.1	22
132	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
133	Giant magnetoresistance and oscillatory exchange coupling in disordered Co/Cu multilayers. Journal of Physics Condensed Matter, 1999, 11, 81-88.	0.7	43
134	Giant magnetoresistance of magnetic multilayer point contacts. Physical Review B, 1999, 60, 10291-10301.	1.1	16
135	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
136	Giant Magnetoresistance and Microstructure of Melt-Spun Cu <sub>70</sub> Co <sub>30</sub> Ribbons. Chinese Physics Letters, 1997, 14, 148-150.	1.3	0
137	Giant magnetoresistance in AuFe alloys: Evidence for the progressive unblocking of superparamagnetic particles. Physical Review B, 1997, 56, 14602-14606.	1.1	21
138	<sup>59</sup> Co 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
139	Using magnetoresistance to investigate magnetic interface anisotropy. Journal of Applied Physics, 1997, 81, 4476-4478.	1.1	1
140	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
141	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
142	Spin-dependent scattering in the nonmagnetic layers of annealed Co/Cu multilayers. Journal of Applied Physics, 1996, 79, 6250.	1.1	9
143	Enhanced magnetic anisotropy energy density for superparamagnetic particles of cobalt. Physical Review B, 1996, 53, 32-33.	1.1	34
144	<sup>59</sup> Co 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

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145	Free-electron-like Hall effect and deviations from free-electron behavior in Ca-Al amorphous alloys. <i>Physical Review B</i> , 1995, 51, 15567-15568.	1.1	1
146	Giant magnetoresistance for superparamagnetic particles: Melt-spun granular CuCo. <i>Physical Review B</i> , 1995, 51, 667-669.	1.1	96
147	Giant magnetoresistance in melt-spun Cu <sub>87</sub> Co <sub>13</sub> . <i>Journal of Applied Physics</i> , 1994, 75, 6546-6547.	1.1	15
148	Magnetization of (111)-oriented MBE-grown Co/Cu magnetic multilayers. <i>Physical Review B</i> , 1994, 49, 9560-9566.	1.1	4
149	The effect of Au impurities at the interfaces on the magnetoresistance of MBE-grown Co/Cu multilayers. <i>Journal of Applied Physics</i> , 1994, 75, 7055-7057.	1.1	6
150	Magnetoresistance of Co/Cu superlattices grown by molecular beam epitaxy. <i>Physical Review B</i> , 1993, 47, 12785-12793.	1.1	54
151	Oscillations in the exchange coupling for (111)-oriented Co/Cu magnetic multilayers grown by molecular-beam epitaxy. <i>Physical Review B</i> , 1993, 48, 1322-1324.	1.1	23
152	Giant magnetothermopower and giant magnetoresistance in molecular beam epitaxy grown Co/Cu(111) superlattices. <i>Journal of Applied Physics</i> , 1993, 73, 5521-5523.	1.1	14
153	The Hall coefficient in Ba-Al alloys. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 3935-3942.	0.7	3
154	Interface scattering and the giant magnetoresistance of MBE-grown Co/Cu superlattices. <i>Journal of Physics Condensed Matter</i> , 1992, 4, L495-L502.	0.7	22
155	Electronic properties of amorphous systems describable by a pseudopotential with applications to amorphous Si. <i>Physical Review B</i> , 1992, 45, 1116-1125.	1.1	6
156	Application of the equation-of-motion method to the calculation of optical properties. <i>Journal of Physics Condensed Matter</i> , 1991, 3, 9575-9578.	0.7	8
157	The electronic conductivity of Ca-Al metallic glasses. <i>Journal of Physics Condensed Matter</i> , 1990, 2, 7287-7302.	0.7	5
158	The electronic structure and diffusivity for a fully bonded model of amorphous Si at T= 0K. <i>Philosophical Magazine Letters</i> , 1990, 61, 161-166.	0.5	13
159	Quantum interference effects and the magnitude of the resistivity and thermopower of Ca-Al metallic glasses. <i>Physical Review B</i> , 1988, 38, 5267-5271.	1.1	16
160	Localization, Coulomb interaction, and spin-orbit scattering in amorphous Cu-Ti-Au alloys. <i>Physical Review B</i> , 1987, 36, 3074-3078.	1.1	40
161	Quantum interference effects and the magnetoresistance of Cu <sub>1-x</sub> Ti <sub>x</sub> metallic glasses. <i>Journal of Physics F: Metal Physics</i> , 1986, 16, L175-L181.	1.6	17
162	Spin-orbit scattering in amorphous CuTi alloys. <i>Journal of Physics F: Metal Physics</i> , 1986, 16, L13-L19.	1.6	43

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163	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
164	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
165	The Anderson model and '2kF' scattering. Journal of Physics F: Metal Physics, 1985, 15, 2473-2476.	1.6	6
166	The thermopower of metallic glasses. Journal of Physics F: Metal Physics, 1985, 15, 911-919.	1.6	27