

Julie A Borchers

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.

194
papers

6,436
citations

42
h-index

74
g-index

205
ext. papers

6,992
ext. citations

4.8
avg, IF

5.13
L-index

#	Paper	IF	Citations
194	Magnetic correlations of iron oxide nanoparticles as probed by polarized SANS in stretched magnetic nanoparticle-elastomer composites. <i>Applied Physics Letters</i> , 2022 , 120, 052401	3.4	
193	Magnetic field-induced non-trivial electronic topology in Fe ₃ GeTe ₂ . <i>Applied Physics Reviews</i> , 2021 , 8, 041401	17.3	2
192	Magnetic Particle Self-Assembly at Functionalized Interfaces. <i>Langmuir</i> , 2021 , 37, 4064-4071	4	4
191	Magnetic proximity effect in magnetic-insulator/heavy-metal heterostructures across the compensation temperature. <i>Physical Review B</i> , 2021 , 104,	3.3	2
190	Magnetic field frustration of the metal-insulator transition in V ₂ O ₃ . <i>Physical Review B</i> , 2020 , 101,	3.3	5
189	Self-Assembly of Magnetic Nanoparticles in Ferrofluids on Different Templates Investigated by Neutron Reflectometry. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
188	Structural studies of magnetic C60/Cu multilayers. <i>AIP Advances</i> , 2020 , 10, 025312	1.5	3
187	Investigating spin coupling across a three-dimensional interface in core/shell magnetic nanoparticles. <i>Physical Review Materials</i> , 2020 , 4,	3.2	11
186	Ferromagnetism in van der Waals compound MnSb _{1.8} Bi _{0.2} Te ₄ . <i>Physical Review Materials</i> , 2020 , 4,	3.2	7
185	Distortions to the penetration depth and coherence length of superconductor/normal-metal superlattices. <i>Physical Review Materials</i> , 2020 , 4,	3.2	2
184	Interfacial-Redox-Induced Tuning of Superconductivity in YBaCuO. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4741-4748	9.5	9
183	Dysprosium Iron Garnet Thin Films with Perpendicular Magnetic Anisotropy on Silicon. <i>Advanced Electronic Materials</i> , 2020 , 6, 1900820	6.4	19
182	Effect of chemical substitution on the skyrmion phase in Cu ₂ OSeO ₃ . <i>Physical Review B</i> , 2020 , 102,	3.3	1
181	Large exchange splitting in monolayer graphene magnetized by an antiferromagnet. <i>Nature Electronics</i> , 2020 , 3, 604-611	28.4	10
180	Termination switching of antiferromagnetic proximity effect in topological insulator. <i>Science Advances</i> , 2020 , 6, eaaz8463	14.3	13
179	Layering of magnetic nanoparticles at amorphous magnetic templates with perpendicular anisotropy. <i>Soft Matter</i> , 2020 , 16, 7676-7684	3.6	4
178	Correlation of cation deficiency and nanostructure to decreased magnetism in a ferroelectric BiMnO ₃ film. <i>Journal of Applied Physics</i> , 2019 , 126, 085303	2.5	

177	Correlated spin canting in ordered core-shell Fe ₃ O ₄ /MnxFe _{3-x} O ₄ nanoparticle assemblies. <i>Physical Review B</i> , 2019 , 99,	3.3	12
176	Fe ₂ MnGe: A hexagonal Heusler analogue. <i>Journal of Alloys and Compounds</i> , 2019 , 771, 793-802	5.7	14
175	Precipitating ordered skyrmion lattices from helical spaghetti and granular powders. <i>Physical Review Materials</i> , 2019 , 3,	3.2	5
174	Effects of field annealing on MnN/CoFeB exchange bias systems. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
173	Nanoscale magnetization inhomogeneity within single phase nanopillars. <i>Physical Review Materials</i> , 2019 , 3,	3.2	3
172	Realization of ordered magnetic skyrmions in thin films at ambient conditions. <i>Physical Review Materials</i> , 2019 , 3,	3.2	14
171	Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator MnBi ₂ Te ₄ . <i>Physical Review Research</i> , 2019 , 1,	3.9	114
170	Exchange Bias in Bulk Fe/Fe ₇₀ Mn ₃₀ Nanocomposites for Permanent Magnet Applications. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1940-1950	5.6	4
169	Spin canting across core/shell FeO/MnFeO nanoparticles. <i>Scientific Reports</i> , 2018 , 8, 3425	4.9	52
168	Correlation between physical structure and magnetic anisotropy of a magnetic nanoparticle colloid. <i>Nanotechnology</i> , 2018 , 29, 215705	3.4	7
167	Self-Assembled Layering of Magnetic Nanoparticles in a Ferrofluid on Silicon Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5050-5060	9.5	16
166	Octahedral tilt independent magnetism in confined GdTO ₃ films. <i>Applied Physics Letters</i> , 2018 , 112, 132407	3.4	1
165	Ionic tuning of cobaltites at the nanoscale. <i>Physical Review Materials</i> , 2018 , 2,	3.2	28
164	Spin waves across three-dimensional, close-packed nanoparticles. <i>New Journal of Physics</i> , 2018 , 20, 123020	3.0	3
163	Helical magnetism in Sr-doped CaMn ₇ O ₁₂ films. <i>Physical Review B</i> , 2018 , 98,	3.3	2
162	Pulsed laser deposition films from a Ba ₂ FeMoO ₆ target onto SrTiO ₃ [001]: Chemical and magnetic inhomogeneity. <i>Journal of Applied Physics</i> , 2018 , 124, 163903	2.5	
161	Long-Range Electric Field Control of Permalloy Layers in Strain-Coupled Composite Multiferroics. <i>Physical Review Applied</i> , 2018 , 10,	4.3	4
160	Nanoparticle architecture preserves magnetic properties during coating to enable robust multi-modal functionality. <i>Scientific Reports</i> , 2018 , 8, 12706	4.9	14

159	Structural and magnetic phase transitions in chromium nitride thin films grown by rf nitrogen plasma molecular beam epitaxy. <i>Physical Review B</i> , 2017 , 96,	3.3	16
158	Complex Three-Dimensional Magnetic Ordering in Segmented Nanowire Arrays. <i>ACS Nano</i> , 2017 , 11, 8311-8319	16.7	24
157	Compensated Ferrimagnetism in the Zero-Moment Heusler Alloy Mn ₃ Al. <i>Physical Review Applied</i> , 2017 , 7,	4.3	35
156	Tailoring exchange couplings in magnetic topological-insulator/antiferromagnet heterostructures. <i>Nature Materials</i> , 2017 , 16, 94-100	27	108
155	Ion-gel-gating-induced oxygen vacancy formation in epitaxial La _{0.5} Sr _{0.5} CoO ₃ films from in operando x-ray and neutron scattering. <i>Physical Review Materials</i> , 2017 , 1,	3.2	37
154	Large energy product enhancement in perpendicularly coupled MnBi/CoFe magnetic bilayers. <i>Physical Review B</i> , 2016 , 94,	3.3	9
153	Atomically engineered ferroic layers yield a room-temperature magnetoelectric multiferroic. <i>Nature</i> , 2016 , 537, 523-7	50.4	221
152	Reversible control of magnetism in La _{0.67} Sr _{0.33} MnO ₃ through chemically-induced oxygen migration. <i>Applied Physics Letters</i> , 2016 , 108, 082405	3.4	28
151	Controllable positive exchange bias via redox-driven oxygen migration. <i>Nature Communications</i> , 2016 , 7, 11050	17.4	90
150	Structural and magnetic depth profiles of magneto-ionic heterostructures beyond the interface limit. <i>Nature Communications</i> , 2016 , 7, 12264	17.4	90
149	Interface-Driven Ferromagnetism within the Quantum Wells of a Rare Earth Titanate Superlattice. <i>Physical Review Letters</i> , 2016 , 117, 037205	7.4	10
148	Interfacial Symmetry Control of Emergent Ferromagnetism at the Nanoscale. <i>Nano Letters</i> , 2016 , 16, 5647-51	11.5	23
147	Krycka et al. reply. <i>Physical Review Letters</i> , 2015 , 114, 149702	7.4	1
146	Self assembly of magnetic nanoparticles at silicon surfaces. <i>Soft Matter</i> , 2015 , 11, 4695-704	3.6	26
145	Fast strain wave induced magnetization changes in long cobalt bars: Domain motion versus coherent rotation. <i>Journal of Applied Physics</i> , 2015 , 117, 063904	2.5	17
144	Electric Field Control of Interfacial Ferromagnetism in CaMnO ₃ /CaRuO ₃ Heterostructures. <i>Physical Review Letters</i> , 2015 , 115, 047601	7.4	21
143	Realization of ground-state artificial skyrmion lattices at room temperature. <i>Nature Communications</i> , 2015 , 6, 8462	17.4	151
142	Internal Magnetic Structure of Nanoparticles Dominates Time-Dependent Relaxation Processes in a Magnetic Field. <i>Advanced Functional Materials</i> , 2015 , 25, 4300-4311	15.6	76

141	Magnetic structure and ordering of multiferroic hexagonal LuFeO ₃ . <i>Physical Review Letters</i> , 2015 , 114, 217602	7.4	74
140	Effect of capping material on interfacial ferromagnetism in FeRh thin films. <i>Journal of Applied Physics</i> , 2014 , 115, 043919	2.5	37
139	Particle moment canting in CoFe ₂ O ₄ nanoparticles. <i>Physical Review B</i> , 2014 , 90,	3.3	21
138	Origin of surface canting within Fe ₃ O ₄ nanoparticles. <i>Physical Review Letters</i> , 2014 , 113, 147203	7.4	41
137	Deposition order dependent magnetization reversal in pressure graded Co/Pd films. <i>Applied Physics Letters</i> , 2014 , 104, 152401	3.4	5
136	Interdependence between training and magnetization reversal in granular Co-CoO exchange bias systems. <i>Physical Review B</i> , 2014 , 89,	3.3	17
135	Ferromagnetism and spin-dependent transport in n-type Mn-doped bismuth telluride thin films. <i>Physical Review B</i> , 2014 , 89,	3.3	40
134	Correlating material-specific layers and magnetic distributions within onion-like Fe ₃ O ₄ /MnO/Mn ₂ O ₃ core/shell nanoparticles. <i>Journal of Applied Physics</i> , 2013 , 113, 17B531	2.5	18
133	Resolving material-specific structures within Fe ₃ O ₄ /MnO core/shell nanoparticles using anomalous small-angle X-ray scattering. <i>ACS Nano</i> , 2013 , 7, 921-31	16.7	35
132	Ferromagnetism in Bi ₂ Se ₃ :Mn epitaxial layers. <i>Physical Review B</i> , 2013 , 88,	3.3	26
131	Optimization of spin-triplet supercurrent in ferromagnetic Josephson junctions. <i>Physical Review Letters</i> , 2012 , 108, 127002	7.4	100
130	X-ray and neutron reflectivity and electronic properties of PCBM-poly(bromo)styrene blends and bilayers with poly(3-hexylthiophene). <i>Journal of Materials Chemistry</i> , 2012 , 22, 4364-4370		23
129	Controlling spin ordering in frustrated magnets via thin film heteroepitaxy. <i>Physical Review B</i> , 2012 , 85,	3.3	7
128	Polarization-analyzed small-angle neutron scattering. II. Mathematical angular analysis. <i>Journal of Applied Crystallography</i> , 2012 , 45, 554-565	3.8	24
127	Polarization-analyzed small-angle neutron scattering. I. Polarized data reduction using Pol-Corr. <i>Journal of Applied Crystallography</i> , 2012 , 45, 546-553	3.8	23
126	Interfacial ferromagnetism and exchange bias in CaRuO ₃ /CaMnO ₃ superlattices. <i>Physical Review Letters</i> , 2012 , 109, 197202	7.4	64
125	Magnetization reversal mechanisms in Heusler alloy spin valves. <i>Journal of Applied Physics</i> , 2011 , 109, 07B110	2.5	3
124	Internal magnetic structure of dextran coated magnetite nanoparticles in solution using small angle neutron scattering with polarization analysis. <i>Journal of Applied Physics</i> , 2011 , 109, 07B513	2.5	16

123	Chemically driven nanoscopic magnetic phase separation at the SrTiO(3) (001)/La(1-x) Sr(x) CoO(3) interface. <i>Advanced Materials</i> , 2011 , 23, 2711-5	24	53
122	Delta doping of ferromagnetism in antiferromagnetic manganite superlattices. <i>Physical Review Letters</i> , 2011 , 107, 167202	7.4	36
121	Nanometer-size magnetic domains and coherent magnetization reversal in a giant exchange-bias system. <i>Physical Review B</i> , 2011 , 84,	3.3	18
120	Spontaneous formation of an exchange-spring composite via magnetic phase separation in Pr _{1-x} CaxCoO ₃ . <i>Physical Review B</i> , 2010 , 82,	3.3	22
119	Vertically graded anisotropy in Co/Pd multilayers. <i>Physical Review B</i> , 2010 , 81,	3.3	61
118	Internal magnetic structure of magnetite nanoparticles at low temperature. <i>Journal of Applied Physics</i> , 2010 , 107, 09B525	2.5	9
117	Core-shell magnetic morphology of structurally uniform magnetite nanoparticles. <i>Physical Review Letters</i> , 2010 , 104, 207203	7.4	110
116	Direct observation of magnetic gradient in Co/Pd pressure-graded media. <i>Journal of Applied Physics</i> , 2009 , 105, 07C929	2.5	25
115	Magnetic domain formation within patterned NiFe/Cu/Co ellipses. <i>Journal of Applied Physics</i> , 2009 , 105, 07C120	2.5	4
114	Resolving 3D magnetism in nanoparticles using polarization analyzed SANS. <i>Physica B: Condensed Matter</i> , 2009 , 404, 2561-2564	2.8	30
113	Applications of ³ He neutron spin filters at the NCNR. <i>Physica B: Condensed Matter</i> , 2009 , 404, 2663-2666	2.8	43
112	Correlation between microstructure and magnetotransport in organic semiconductor spin-valve structures. <i>Physical Review B</i> , 2009 , 79,	3.3	58
111	Nearly complete regression of tumors via collective behavior of magnetic nanoparticles in hyperthermia. <i>Nanotechnology</i> , 2009 , 20, 395103	3.4	206
110	Effect of molecular ordering on spin and charge injection in rubrene. <i>Physical Review B</i> , 2009 , 80,	3.3	34
109	The influence of magnetic and physiological behaviour on the effectiveness of iron oxide nanoparticles for hyperthermia. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 134020	3	55
108	Magnetization reversal of Ga _{1-x} MnxAs layers separated by a nonmagnetic spacer. <i>Journal of Applied Physics</i> , 2008 , 103, 07D116	2.5	5
107	The influence of collective behavior on the magnetic and heating properties of iron oxide nanoparticles. <i>Journal of Applied Physics</i> , 2008 , 103, 07A319	2.5	81
106	Field evolution of magnetic correlation lengths in γ -Co nanoparticle assemblies. <i>Applied Physics Letters</i> , 2008 , 92, 152503	3.4	13

105	Probing the Effect of Structural Roughness on Domain Wall Formation in Spin Valves Using the Offspecular Reflectivity Technique. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 2839-2841	2	
104	Manipulating the magnetic structure of Co core/CoO shell nanoparticles: implications for controlling the exchange bias. <i>Physical Review Letters</i> , 2008 , 101, 117202	7.4	88
103	Relationship between tunnel magnetoresistance and magnetic layer structure in EuO-based tunnel junctions investigated using polarized neutron reflectivity. <i>Journal of Applied Physics</i> , 2008 , 103, 07A719	2.5	7
102	Carrier-mediated antiferromagnetic interlayer exchange coupling in diluted magnetic semiconductor multilayers Ga _{1-x} Mn _x As/GaAs:Be. <i>Physical Review Letters</i> , 2008 , 101, 237202	7.4	54
101	Interfacial magnetic domain wall formation in perpendicular-anisotropy, exchange-spring films. <i>Applied Physics Letters</i> , 2008 , 92, 202507	3.4	32
100	Thickness of the pinned layer as a controlling factor in domain wall formation during training in IrMn-based spin valves. <i>Journal of Applied Physics</i> , 2008 , 103, 07C111	2.5	2
99	Nanoscale magnetic structure of ferromagnet/antiferromagnet manganite multilayers. <i>Physical Review Letters</i> , 2007 , 99, 247207	7.4	35
98	Pinned Spin Depth Profile of an Oxidized-Mn/Ga _{1-x} Mn _x As Exchange Bias Bilayer: The Effects of Overannealing. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 3016-3018	2	2
97	Determination of Complex Magnetic Structures From Polarized Neutron Reflectivity Data by Flexible Modeling of Depth-Dependent Vector Magnetization. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 3346-3348	2	
96	Message from the Conference Chair. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 2082-2082	2	
95	Tuning exchange-bias properties by thermal effects in a hard/soft bilayer. <i>Applied Physics Letters</i> , 2007 , 91, 022505	3.4	11
94	Preface: Proceedings of the 10th Joint MMM/Intermag Conference, 7-11 January 2007, Baltimore, Maryland. <i>Journal of Applied Physics</i> , 2007 , 101, 09A101	2.5	
93	Link between perpendicular coupling and exchange biasing in Fe(3)O(4)/CoO Multilayers. <i>Physical Review Letters</i> , 2007 , 99, 147201	7.4	51
92	Suppression of nuclear polarization near the surface of optically pumped GaAs. <i>Physical Review B</i> , 2007 , 76,	3.3	7
91	Definitive evidence of interlayer coupling between Ga _{1-x} Mn _x As layers separated by a nonmagnetic spacer. <i>Physical Review B</i> , 2007 , 76,	3.3	22
90	Small angle neutron scattering study of disordered and crystalline iron nanoparticle assemblies. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 303, 318-322	2.8	27
89	Training effect in an exchange bias system: the role of interfacial domain walls. <i>Physical Review Letters</i> , 2006 , 96, 067207	7.4	64
88	Magnetic and chemical nonuniformity in Ga _{1-x} Mn _x As films as probed by polarized neutron and x-ray reflectometry. <i>Physical Review B</i> , 2006 , 74,	3.3	16

87	Vector magnetization depth profile of a Laves-phase exchange-coupled superlattice obtained using a combined approach of micromagnetic simulation and neutron reflectometry. <i>Physical Review B</i> , 2006 , 73,	3.3	27
86	Magnetic structure variations during giant magnetoresistance training in spin valves with picoscale antiferromagnetic layers. <i>Journal of Applied Physics</i> , 2006 , 99, 08R505	2.5	10
85	Polarized spin filters in neutron scattering. <i>Physica B: Condensed Matter</i> , 2005 , 356, 96-102	2.8	42
84	Magnetization reversal in a YFe ₂ -dominant DyFe ₂ /Fe ₂ exchange-coupled superlattice: An x-ray magnetic circular dichroism and polarized neutron reflectometry study. <i>Journal of Applied Physics</i> , 2005 , 97, 10K108	2.5	4
83	Clamping effect on the magnetic behavior of europium epitaxial thin films. <i>Journal of Applied Physics</i> , 2005 , 97, 10K111	2.5	
82	Magnetization profile in antiferromagnetically coupled recording media. <i>Applied Physics Letters</i> , 2005 , 86, 162506	3.4	4
81	Effects of capping on the Ga _{1-x} Mn _x As magnetic depth profile. <i>Applied Physics Letters</i> , 2005 , 86, 072506	3.4	10
80	Rotation of magnetic propagation vectors induced by lattice clamping in (110)Eu films. <i>Physical Review B</i> , 2005 , 71,	3.3	7
79	Detection of spin coupling in iron nanoparticles with small angle neutron scattering. <i>Applied Physics Letters</i> , 2005 , 86, 243102	3.4	26
78	Neutron reflectivity on CoFe ₂ O ₄ exchange springs for spin valve applications. <i>Journal of Applied Physics</i> , 2004 , 95, 7507-7509	2.5	10
77	Clamping effects in the Al ₂ O ₃ (112̄0)/Ni ₂ (110)/Eu(110) epitaxial system. <i>Applied Physics Letters</i> , 2004 , 85, 4636-4638	3.4	7
76	Annealing-dependent magnetic depth profile in Ga _{1-x} Mn _x As. <i>Physical Review B</i> , 2004 , 69,	3.3	47
75	Polarized neutron reflectometry of a patterned magnetic film with a ³ He analyzer and a position-sensitive detector. <i>Review of Scientific Instruments</i> , 2004 , 75, 3256-3263	1.7	21
74	Magnetic properties of (Ga,Mn)As digital ferromagnetic heterostructures. <i>Journal of Applied Physics</i> , 2004 , 95, 6509-6511	2.5	6
73	Exchange bias and enhancement of the Néel temperature in thin NiF ₂ films. <i>Physical Review B</i> , 2004 , 69,	3.3	29
72	Neutron scattering studies of nanomagnetism and artificially structured materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 271, 103-146	2.8	140
71	Using circularly polarized soft x rays to probe antiferromagnetically correlated Co/Cu multilayers. <i>Journal of Applied Physics</i> , 2004 , 95, 6672-6674	2.5	
70	Polarized ³ He analyzers for neutron reflectometry. <i>Physica B: Condensed Matter</i> , 2003 , 335, 196-200	2.8	12

69	Extracting buried twists with polarized neutron reflectometry. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s1544-s1546	2.6	
68	Pinpointing chiral structures with front-back polarized neutron reflectometry. <i>Physical Review Letters</i> , 2002 , 88, 067201	7.4	64
67	Spontaneous chemical ordering and exchange bias in epitaxial Mn _{0.52} Pd _{0.48} /Fe(001) bilayers prepared at room temperature. <i>Applied Physics Letters</i> , 2002 , 80, 808-810	3.4	13
66	Exchange anisotropy between single twin domain NiO and NiFe. <i>Journal of Applied Physics</i> , 2002 , 91, 7751	2.5	2
65	Absence of mean-free-path effects in the current-perpendicular-to-plane magnetoresistance of magnetic multilayers. <i>Physical Review B</i> , 2002 , 65,	3.3	41
64	Structural and magnetic properties of ϵ -phase manganese nitride films grown by molecular-beam epitaxy. <i>Applied Physics Letters</i> , 2001 , 78, 3860-3862	3.4	64
63	Neutron reflectometry at the NCNR. <i>Neutron News</i> , 2001 , 12, 25-29	0.4	15
62	Magnetic Structure Determinations at NBS/NIST. <i>Journal of Research of the National Institute of Standards and Technology</i> , 2001 , 106, 953-63	1.3	
61	Magnetic depth profiling Co/Cu multilayers to investigate magnetoresistance (invited). <i>Journal of Applied Physics</i> , 2000 , 87, 6639-6643	2.5	8
60	Polarized neutron reflectivity characterization of weakly coupled Co/Cu multilayers. <i>Physica B: Condensed Matter</i> , 2000 , 283, 162-166	2.8	13
59	Magnetic correlations in non-percolated Co ₃ BiO ₂ granular films. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 221, 1-9	2.8	66
58	Detection of field-dependent antiferromagnetic domains in exchange-biased Fe ₃ O ₄ /NiO superlattices. <i>Applied Physics Letters</i> , 2000 , 77, 4187-4189	3.4	25
57	Difference between blocking and Néel temperatures in the exchange biased Fe ₃ O ₄ /CoO system. <i>Physical Review Letters</i> , 2000 , 84, 6102-5	7.4	215
56	Polarized neutron diffraction studies of exchange-coupled Fe ₃ O ₄ /NiO superlattices. <i>Journal of Applied Physics</i> , 1999 , 85, 5883-5885	2.5	12
55	Observation of Antiparallel Magnetic Order in Weakly Coupled Co/Cu Multilayers. <i>Physical Review Letters</i> , 1999 , 82, 2796-2799	7.4	82
54	Perpendicular Coupling in Exchange-Biased Fe ₃ O ₄ /CoO Superlattices. <i>Physical Review Letters</i> , 1998 , 80, 608-611	7.4	173
53	Spin-flop tendencies in exchange-biased Co/CoO thin films. <i>Journal of Applied Physics</i> , 1998 , 83, 7219-7221	2.5	21
52	Role of the antiferromagnet in exchange-biased Fe ₃ O ₄ /CoO superlattices (invited). <i>Journal of Applied Physics</i> , 1998 , 83, 6882-6887	2.5	19

51	Reorientation of Spin Density Waves in Cr(001) Films Induced by Fe(001) Cap Layers. <i>Physical Review Letters</i> , 1998 , 81, 914-917	7.4	48
50	Dependence of the interlayer coupling on anneal temperature in NiFe/Cu evaporated multilayers. <i>Journal of Applied Physics</i> , 1997 , 81, 3771-3773	2.5	3
49	Effect of Fe cap layers on the spin density waves in epitaxial Cr(001) films. <i>Journal of Applied Physics</i> , 1997 , 81, 5247-5249	2.5	9
48	Helimagnetic structures in epitaxial Nd/Y superlattices and alloys. <i>Physical Review B</i> , 1997 , 56, 5452-5460	3	11
47	Magnetic, structural, and spin dynamical properties of La _{1-x} CaxMnO ₃ . <i>Journal of Applied Physics</i> , 1997 , 81, 5488-5490	2.5	42
46	Structure and magnetic order in undoped lanthanum manganite. <i>Physical Review B</i> , 1997 , 55, 14987-14993	3	239
45	Unconventional ferromagnetic transition in La _{1-x} CaxMnO ₃ . <i>Physical Review Letters</i> , 1996 , 76, 4046-4049	7.4	425
44	Nature of the interlayer coupling in annealed Ni ₈₀ Fe ₂₀ /Ag multilayers. <i>Journal of Applied Physics</i> , 1996 , 79, 4762	2.5	11
43	Antiferromagnetic interlayer correlations in annealed Ni ₈₀ Fe ₂₀ /Ag multilayers. <i>Physical Review B</i> , 1996 , 54, 9870-9882	3.3	28
42	Origins of coercivity increase in annealed symmetric spin valves. <i>IEEE Transactions on Magnetics</i> , 1996 , 32, 4636-4638	2	2
41	Magnetic ordering in layered oxide structures: Fe ₃ O ₄ thin films and Fe ₃ O ₄ /NiO superlattices. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 148, 44-45	2.8	6
40	Long-range magnetic order in Fe ₃ O ₄ /NiO superlattices. <i>Physical Review B</i> , 1995 , 51, 8276-8286	3.3	56
39	Magnetic structure determination for Fe ₃ O ₄ /NiO superlattices. <i>Applied Physics Letters</i> , 1994 , 64, 381-383	3.4	15
38	Spatial modulation of the magnetic moment in Co/Pd superlattices observed by polarized neutron reflectivity. <i>Journal of Applied Physics</i> , 1994 , 75, 6498-6500	2.5	3
37	Investigations of the interplay between crystalline and magnetic ordering in Fe ₃ O ₄ /NiO superlattices. <i>Journal of Applied Physics</i> , 1994 , 76, 6284-6286	2.5	10
36	Magnetic properties of Dy-Lu alloys. <i>Journal of Applied Physics</i> , 1994 , 75, 6592-6594	2.5	4
35	Exchange coupling in [Dy?Er] metallic superlattices. <i>Journal of Applied Physics</i> , 1994 , 75, 6477-6479	2.5	4
34	Magnetic structures of superlattices. <i>Journal of Magnetism and Magnetic Materials</i> , 1994 , 129, 39-46	2.8	18

33	Magnetic Structure Determination for Annealed Ni ₈₀ Fe ₂₀ /Ag Multilayers Using Polarized-Neutron Reflectivity. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 376, 577		1
32	Field-Induced Decoupling of NiO-Magnetite Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 376, 583		
31	Enhanced Curie temperatures and magnetoelastic domains in Dy/Lu superlattices and films. <i>Physical Review Letters</i> , 1993 , 70, 3502-3505	7.4	110
30	Strong interlayer coupling in CoO/NiO antiferromagnetic superlattices. <i>Physical Review B</i> , 1993 , 47, 9952-9957	3.3	70
29	Spatially modulated antiferromagnetic order in CoO/NiO superlattices. <i>Physical Review Letters</i> , 1993 , 70, 1878-1881	7.4	75
28	Combined low- and high-angle x-ray structural refinement of a Co/Pt(111) multilayer exhibiting perpendicular magnetic anisotropy. <i>Journal of Applied Physics</i> , 1993 , 73, 6427-6429	2.5	4
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