Julie A Borchers

List of Publications by Citations

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	Unconventional ferromagnetic transition in La1-xCaxMnO3. *Physical Review Letters*, **1996**, 76, 4046-4049	7.4	425
193	Structure and magnetic order in undoped lanthanum manganite. *Physical Review B*, **1997**, 55, 14987-14999	3.3	239
192	Long-range incommensurate magnetic order in a Dy-Y multilayer. *Physical Review Letters*, **1986**, 56, 259-262	7.4	232
191	Atomically engineered ferroic layers yield a room-temperature magnetoelectric multiferroic. *Nature*, **2016**, 537, 523-7	50.4	221
190	Difference between blocking and Néel temperatures in the exchange biased Fe3O4/CoO system. *Physical Review Letters*, **2000**, 84, 6102-5	7.4	215
189	Nearly complete regression of tumors via collective behavior of magnetic nanoparticles in hyperthermia. *Nanotechnology*, **2009**, 20, 395103	3.4	206
188	Perpendicular Coupling in Exchange-Biased Fe3O4/CoO Superlattices. *Physical Review Letters*, **1998**, 80, 608-611	7.4	173
187	Magnetic structure of Dy-Y superlattices. *Physical Review B*, **1987**, 35, 6808-6825	3.3	163
186	Realization of ground-state artificial skyrmion lattices at room temperature. *Nature Communications*, **2015**, 6, 8462	17.4	151
185	Neutron scattering studies of nanomagnetism and artificially structured materials. *Journal of Magnetism and Magnetic Materials*, **2004**, 271, 103-146	2.8	140
184	Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator MnBi2Te4. *Physical Review Research*, **2019**, 1,	3.9	114
183	Core-shell magnetic morphology of structurally uniform magnetite nanoparticles. *Physical Review Letters*, **2010**, 104, 207203	7.4	110
182	Enhanced Curie temperatures and magnetoelastic domains in Dy/Lu superlattices and films. *Physical Review Letters*, **1993**, 70, 3502-3505	7.4	110
181	Tailoring exchange couplings in magnetic topological-insulator/antiferromagnet heterostructures. *Nature Materials*, **2017**, 16, 94-100	27	108
180	Optimization of spin-triplet supercurrent in ferromagnetic Josephson junctions. *Physical Review Letters*, **2012**, 108, 127002	7.4	100
179	Controllable positive exchange bias via redox-driven oxygen migration. *Nature Communications*, **2016**, 7, 11050	17.4	90
178	Structural and magnetic depth profiles of magneto-ionic heterostructures beyond the interface limit. *Nature Communications*, **2016**, 7, 12264	17.4	90

177	Manipulating the magnetic structure of Co core/CoO shell nanoparticles: implications for controlling the exchange bias. *Physical Review Letters*, **2008**, 101, 117202	7.4	88
176	Observation of Antiparallel Magnetic Order in Weakly Coupled Co/Cu Multilayers. *Physical Review Letters*, **1999**, 82, 2796-2799	7.4	82
175	The influence of collective behavior on the magnetic and heating properties of iron oxide nanoparticles. *Journal of Applied Physics*, **2008**, 103, 07A319	2.5	81
174	Internal Magnetic Structure of Nanoparticles Dominates Time-Dependent Relaxation Processes in a Magnetic Field. *Advanced Functional Materials*, **2015**, 25, 4300-4311	15.6	76
173	Spatially modulated antiferromagnetic order in CoO/NiO superlattices. *Physical Review Letters*, **1993**, 70, 1878-1881	7.4	75
172	Structural and magnetic properties of Er thin films and Er/Y superlattices: Magnetoelastic effects. *Physical Review B*, **1991**, 43, 3123-3136	3.3	75
171	Magnetic structure and ordering of multiferroic hexagonal LuFeO_{3}. *Physical Review Letters*, **2015** , 114, 217602	7.4	74
170	Strong interlayer coupling in CoO/NiO antiferromagnetic superlattices. *Physical Review B*, **1993**, 47, 9952-9955	3.3	70
169	Magnetic correlations in non-percolated Co□SiO2 granular films. *Journal of Magnetism and Magnetic Materials*, **2000**, 221, 1-9	2.8	66
168	Interfacial ferromagnetism and exchange bias in CaRuO3/CaMnO3 superlattices. *Physical Review Letters*, **2012**, 109, 197202	7.4	64
167	Training effect in an exchange bias system: the role of interfacial domain walls. *Physical Review Letters*, **2006**, 96, 067207	7.4	64
166	Pinpointing chiral structures with front-back polarized neutron reflectometry. *Physical Review Letters*, **2002**, 88, 067201	7.4	64
165	Structural and magnetic properties of □phase manganese nitride films grown by molecular-beam epitaxy. *Applied Physics Letters*, **2001**, 78, 3860-3862	3.4	64
164	Vertically graded anisotropy in Co/Pd multilayers. *Physical Review B*, **2010**, 81,	3.3	61
163	Correlation between microstructure and magnetotransport in organic semiconductor spin-valve structures. *Physical Review B*, **2009**, 79,	3.3	58
162	Long-range magnetic order in Fe3O4/NiO superlattices. *Physical Review B*, **1995**, 51, 8276-8286	3.3	56
161	The influence of magnetic and physiological behaviour on the effectiveness of iron oxide nanoparticles for hyperthermia. *Journal Physics D: Applied Physics*, **2008**, 41, 134020	3	55
160	Carrier-mediated antiferromagnetic interlayer exchange coupling in diluted magnetic semiconductor multilayers Ga1-xMnxAs/GaAs:Be. *Physical Review Letters*, **2008**, 101, 237202	7.4	54

159	Chemically driven nanoscopic magnetic phase separation at the SrTiO(3) (001)/La(1-x) Sr(x) CoO(3) interface. *Advanced Materials*, **2011**, 23, 2711-5	24	53
158	Occurrence of long-range helical spin ordering in Dy-Y multilayers (invited). *Journal of Applied Physics*, **1987**, 61, 4043-4048	2.5	53
157	Spin canting across core/shell FeO/MnFeO nanoparticles. *Scientific Reports*, **2018**, 8, 3425	4.9	52
156	Link between perpendicular coupling and exchange biasing in Fe(3)O(4)/CoOMultilayers. *Physical Review Letters*, **2007**, 99, 147201	7.4	51
155	Reorientation of Spin Density Waves in Cr(001) Films Induced by Fe(001) Cap Layers. *Physical Review Letters*, **1998**, 81, 914-917	7.4	48
154	Annealing-dependent magnetic depth profile in Ga1−xMnxAs. *Physical Review B*, **2004**, 69,	3.3	47
153	Applications of 3He neutron spin filters at the NCNR. *Physica B: Condensed Matter*, **2009**, 404, 2663-2666	2.8	43
152	Magnetic, structural, and spin dynamical properties of La1−xCaxMnO3. *Journal of Applied Physics*, **1997**, 81, 5488-5490	2.5	42
151	Polarized spin filters in neutron scattering. *Physica B: Condensed Matter*, **2005**, 356, 96-102	2.8	42
150	Origin of surface canting within Fe3O4 nanoparticles. *Physical Review Letters*, **2014**, 113, 147203	7.4	41
149	Absence of mean-free-path effects in the current-perpendicular-to-plane magnetoresistance of magnetic multilayers. *Physical Review B*, **2002**, 65,	3.3	41
148	Ferromagnetism and spin-dependent transport in n-type Mn-doped bismuth telluride thin films. *Physical Review B*, **2014**, 89,	3.3	40
147	Neutron scattering studies of rare earth magnetic multilayers. *Physica B: Condensed Matter*, **1989**, 159, 111-128	2.8	38
146	Effect of capping material on interfacial ferromagnetism in FeRh thin films. *Journal of Applied Physics*, **2014**, 115, 043919	2.5	37
145	Ion-gel-gating-induced oxygen vacancy formation in epitaxial La0.5Sr0.5CoO3−δ films from in operando x-ray and neutron scattering. *Physical Review Materials*, **2017**, 1,	3.2	37
144	Delta doping of ferromagnetism in antiferromagnetic manganite superlattices. *Physical Review Letters*, **2011**, 107, 167202	7.4	36
143	Resolving material-specific structures within Fe$_{3-\delta}$O$_4$|MnO core|shell nanoparticles using anomalous small-angle X-ray scattering. *ACS Nano*, **2013**, 7, 921-31	16.7	35
142	Compensated Ferrimagnetism in the Zero-Moment Heusler Alloy Mn3Al. *Physical Review Applied*, **2017**, 7,	4.3	35

141	Nanoscale magnetic structure of ferromagnet/antiferromagnet manganite multilayers. *Physical Review Letters*, **2007**, 99, 247207	7.4	35
140	Effect of molecular ordering on spin and charge injection in rubrene. *Physical Review B*, **2009**, 80,	3.3	34
139	Structural and magnetic ordering in iron oxide/nickel oxide multilayers by x-ray and neutron diffraction (invited). *Journal of Applied Physics*, **1993**, 73, 6886-6891	2.5	34
138	Interfacial magnetic domain wall formation in perpendicular-anisotropy, exchange-spring films. *Applied Physics Letters*, **2008**, 92, 202507	3.4	32
137	Resolving 3D magnetism in nanoparticles using polarization analyzed SANS. *Physica B: Condensed Matter*, **2009**, 404, 2561-2564	2.8	30
136	Exchange bias and enhancement of the Nēl temperature in thin NiF2 films. *Physical Review B*, **2004** , 69,	3.3	29
135	Antiferromagnetic interlayer correlations in annealed Ni80Fe20/Ag multilayers. *Physical Review B*, **1996**, 54, 9870-9882	3.3	28
134	Ionic tuning of cobaltites at the nanoscale. *Physical Review Materials*, **2018**, 2,	3.2	28
133	Reversible control of magnetism in La0.67Sr0.33MnO3 through chemically-induced oxygen migration. *Applied Physics Letters*, **2016**, 108, 082405	3.4	28
132	Small angle neutron scattering study of disordered and crystalline iron nanoparticle assemblies. *Journal of Magnetism and Magnetic Materials*, **2006**, 303, 318-322	2.8	27
131	Vector magnetization depth profile of a Laves-phase exchange-coupled superlattice obtained using a combined approach of micromagnetic simulation and neutron reflectometry. *Physical Review B*, **2006**, 73,	3.3	27
130	Self assembly of magnetic nanoparticles at silicon surfaces. *Soft Matter*, **2015**, 11, 4695-704	3.6	26
129	Ferromagnetism in Bi2Se3:Mn epitaxial layers. *Physical Review B*, **2013**, 88,	3.3	26
128	Detection of spin coupling in iron nanoparticles with small angle neutron scattering. *Applied Physics Letters*, **2005**, 86, 243102	3.4	26
127	Direct observation of magnetic gradient in Co/Pd pressure-graded media. *Journal of Applied Physics* , **2009**, 105, 07C929	2.5	25
126	Detection of field-dependent antiferromagnetic domains in exchange-biased Fe3O4/NiO superlattices. *Applied Physics Letters*, **2000**, 77, 4187-4189	3.4	25
125	Complex Three-Dimensional Magnetic Ordering in Segmented Nanowire Arrays. *ACS Nano*, **2017**, 11, 8311-8319	16.7	24
124	Polarization-analyzed small-angle neutron scattering. II. Mathematical angular analysis. *Journal of Applied Crystallography*, **2012**, 45, 554-565	3.8	24

123	X-ray and neutron reflectivity and electronic properties of PCBM-poly(bromo)styrene blends and bilayers with poly(3-hexylthiophene). *Journal of Materials Chemistry*, **2012**, 22, 4364-4370		23
122	Polarization-analyzed small-angle neutron scattering. I. Polarized data reduction usingPol-Corr. *Journal of Applied Crystallography*, **2012**, 45, 546-553	3.8	23
121	Structural and magnetic properties of Er thin films and Er/Y superlattices. II. Modification of the commensurate spin states. *Physical Review B*, **1991**, 44, 11814-11824	3.3	23
120	Interfacial Symmetry Control of Emergent Ferromagnetism at the Nanoscale. *Nano Letters*, **2016**, 16, 5647-51	11.5	23
119	Spontaneous formation of an exchange-spring composite via magnetic phase separation in Pr1−xCaxCoO3. *Physical Review B*, **2010**, 82,	3.3	22
118	Definitive evidence of interlayer coupling between Ga1−xMnxAs layers separated by a nonmagnetic spacer. *Physical Review B*, **2007**, 76,	3.3	22
117	Electric Field Control of Interfacial Ferromagnetism in CaMnO_{3}/CaRuO_{3} Heterostructures. *Physical Review Letters*, **2015**, 115, 047601	7.4	21
116	Particle moment canting in CoFe2O4 nanoparticles. *Physical Review B*, **2014**, 90,	3.3	21
115	Polarized neutron reflectometry of a patterned magnetic film with a 3He analyzer and a position-sensitive detector. *Review of Scientific Instruments*, **2004**, 75, 3256-3263	1.7	21
114	Spin-flop tendencies in exchange-biased Co/CoO thin films. *Journal of Applied Physics*, **1998**, 83, 7219-7221	2.5	21
113	Role of the antiferromagnet in exchange-biased Fe3O4/CoO superlattices (invited). *Journal of Applied Physics*, **1998**, 83, 6882-6887	2.5	19
112	Dysprosium Iron Garnet Thin Films with Perpendicular Magnetic Anisotropy on Silicon. *Advanced Electronic Materials*, **2020**, 6, 1900820	6.4	19
111	Correlating material-specific layers and magnetic distributions within onion-like Fe3O4/MnO/γ-Mn2O3 core/shell nanoparticles. *Journal of Applied Physics*, **2013**, 113, 17B531	2.5	18
110	Nanometer-size magnetic domains and coherent magnetization reversal in a giant exchange-bias system. *Physical Review B*, **2011**, 84,	3.3	18
109	Magnetic structures of superlattices. *Journal of Magnetism and Magnetic Materials*, **1994**, 129, 39-46	2.8	18
108	Magnetic and structural characterization of Dy-Y superlattices. *Journal of Applied Physics*, **1987**, 61, 4049-4051	2.5	18
107	Fast strain wave induced magnetization changes in long cobalt bars: Domain motion versus coherent rotation. *Journal of Applied Physics*, **2015**, 117, 063904	2.5	17
106	Interdependence between training and magnetization reversal in granular Co-CoO exchange bias systems. *Physical Review B*, **2014**, 89,	3.3	17

105	Magnetoelasticity and structure of Er/Y superlattices. *Journal of Applied Physics*, **1988**, 63, 3461-3463	2.5	17
104	Structural and magnetic phase transitions in chromium nitride thin films grown by rf nitrogen plasma molecular beam epitaxy. *Physical Review B*, **2017**, 96,	3.3	16
103	Self-Assembled Layering of Magnetic Nanoparticles in a Ferrofluid on Silicon Surfaces. *ACS Applied Materials & Interfaces*, **2018**, 10, 5050-5060	9.5	16
102	Internal magnetic structure of dextran coated magnetite nanoparticles in solution using small angle neutron scattering with polarization analysis. *Journal of Applied Physics*, **2011**, 109, 07B513	2.5	16
101	Magnetic and chemical nonuniformity in Ga1⊠MnxAs films as probed by polarized neutron and x-ray reflectometry. *Physical Review B*, **2006**, 74,	3.3	16
100	Magnetism and epitaxy in Lu/Dy/Lu trilayers. *Journal of Applied Physics*, **1993**, 73, 6901-6903	2.5	16
99	Neutron reflectometry at the NCNR. *Neutron News*, **2001**, 12, 25-29	0.4	15
98	Magnetic structure determination for Fe3O4/NiO superlattices. *Applied Physics Letters*, **1994**, 64, 381-383	3.4	15
97	Fe2MnGe: A hexagonal Heusler analogue. *Journal of Alloys and Compounds*, **2019**, 771, 793-802	5.7	14
96	Magnetic structure in Dy/Sc superlattices. *Journal of Applied Physics*, **1993**, 73, 6904-6906	2.5	14
95	Realization of ordered magnetic skyrmions in thin films at ambient conditions. *Physical Review Materials*, **2019**, 3,	3.2	14
94	Nanoparticle architecture preserves magnetic properties during coating to enable robust multi-modal functionality. *Scientific Reports*, **2018**, 8, 12706	4.9	14
93	Field evolution of magnetic correlation lengths in ?-Co nanoparticle assemblies. *Applied Physics Letters*, **2008**, 92, 152503	3.4	13
92	Spontaneous chemical ordering and exchange bias in epitaxial Mn0.52Pd0.48/Fe(001) bilayers prepared at room temperature. *Applied Physics Letters*, **2002**, 80, 808-810	3.4	13
91	Polarized neutron reflectivity characterization of weakly coupled Co/Cu multilayers. *Physica B: Condensed Matter*, **2000**, 283, 162-166	2.8	13
90	Propagation of antiferromagnetic order across paramagnetic layers in CoO/NiO superlattices. *Journal of Applied Physics*, **1993**, 73, 6898-6900	2.5	13
89	Anisotropic magnetic behavior in Dy/Y films and superlattices. *Physical Review B*, **1991**, 43, 13320-13330	3.3	13
88	Termination switching of antiferromagnetic proximity effect in topological insulator. *Science Advances*, **2020**, 6, eaaz8463	14.3	13

87	Correlated spin canting in ordered core-shell Fe3O4/MnxFe3−xO4 nanoparticle assemblies. *Physical Review B*, **2019**, 99,	3.3	12
86	Polarized 3He analyzers for neutron reflectometry. *Physica B: Condensed Matter*, **2003**, 335, 196-200	2.8	12
85	Polarized neutron diffraction studies of exchange-coupled Fe3O4/NiO superlattices. *Journal of Applied Physics*, **1999**, 85, 5883-5885	2.5	12
84	Magnetic characterization of Er/Y superlattices. *Journal of Applied Physics*, **1988**, 63, 3458-3460	2.5	12
83	Helimagnetic structures in epitaxial Nd/Y superlattices and alloys. *Physical Review B*, **1997**, 56, 5452-5460	3.3	11
82	Tuning exchange-bias properties by thermal effects in a hard/soft bilayer. *Applied Physics Letters*, **2007**, 91, 022505	3.4	11
81	Nature of the interlayer coupling in annealed Ni80Fe20/Ag multilayers. *Journal of Applied Physics*, **1996**, 79, 4762	2.5	11
80	Effects of epitaxial strain in Er/Lu thin films. *Journal of Applied Physics*, **1991**, 69, 4535-4537	2.5	11
79	Investigating spin coupling across a three-dimensional interface in core/shell magnetic nanoparticles. *Physical Review Materials*, **2020**, 4,	3.2	11
78	Magnetic structure variations during giant magnetoresistance training in spin valves with picoscale antiferromagnetic layers. *Journal of Applied Physics*, **2006**, 99, 08R505	2.5	10
77	Neutron reflectivity on CoFe2O4 exchange springs for spin valve applications. *Journal of Applied Physics*, **2004**, 95, 7507-7509	2.5	10
76	Effects of capping on the Ga1−xMnxAs magnetic depth profile. *Applied Physics Letters*, **2005**, 86, 072506	3.4	10
75	Investigations of the interplay between crystalline and magnetic ordering in Fe3O4/NiO superlattices. *Journal of Applied Physics*, **1994**, 76, 6284-6286	2.5	10
74	Large exchange splitting in monolayer graphene magnetized by an antiferromagnet. *Nature Electronics*, **2020**, 3, 604-611	28.4	10
73	Interface-Driven Ferromagnetism within the Quantum Wells of a Rare Earth Titanate Superlattice. *Physical Review Letters*, **2016**, 117, 037205	7.4	10
72	Large energy product enhancement in perpendicularly coupled MnBi/CoFe magnetic bilayers. *Physical Review B*, **2016**, 94,	3.3	9
71	Internal magnetic structure of magnetite nanoparticles at low temperature. *Journal of Applied Physics*, **2010**, 107, 09B525	2.5	9
70	Effect of Fe cap layers on the spin density waves in epitaxial Cr(001) films. *Journal of Applied Physics* , **1997**, 81, 5247-5249	2.5	9

69	Characterization of structural and magnetic order of Er/Y superlattices. *Superlattices and Microstructures*, **1988**, 4, 439-442	2.8	9
68	Interfacial-Redox-Induced Tuning of Superconductivity in YBaCuO. *ACS Applied Materials & Interfaces*, **2020**, 12, 4741-4748	9.5	9
67	Magnetic depth profiling Co/Cu multilayers to investigate magnetoresistance (invited). *Journal of Applied Physics*, **2000**, 87, 6639-6643	2.5	8
66	Correlation between physical structure and magnetic anisotropy of a magnetic nanoparticle colloid. *Nanotechnology*, **2018**, 29, 215705	3.4	7
65	Controlling spin ordering in frustrated magnets via thin film heteroepitaxy. *Physical Review B*, **2012**, 85,	3.3	7
64	Relationship between tunnel magnetoresistance and magnetic layer structure in EuO-based tunnel junctions investigated using polarized neutron reflectivity. *Journal of Applied Physics*, **2008**, 103, 07A719	2.5	7
63	Suppression of nuclear polarization near the surface of optically pumped GaAs. *Physical Review B*, **2007**, 76,	3.3	7
62	Clamping effects in the Al2O3(112□0)□Nb(110)□Eu(110) epitaxial system. *Applied Physics Letters*, **2004**, 85, 4636-4638	3.4	7
61	Rotation of magnetic propagation vectors induced by lattice clamping in (110)Eu films. *Physical Review B*, **2005**, 71,	3.3	7
60	Exchange and magnetostrictive effects in rare earth superlattices. *Journal of the Less Common Metals*, **1989**, 148, 17-33		7
59	Ferromagnetism in van der Waals compound MnSb1.8Bi0.2Te4. *Physical Review Materials*, **2020**, 4,	3.2	7
58	Self-Assembly of Magnetic Nanoparticles in Ferrofluids on Different Templates Investigated by Neutron Reflectometry. *Nanomaterials*, **2020**, 10,	5.4	6
57	Magnetic properties of (Ga,Mn)As digital ferromagnetic heterostructures. *Journal of Applied Physics* , **2004**, 95, 6509-6511	2.5	6
56	Magnetic ordering in layered oxide structures: Fe3O4 thin films and Fe3O4/NiO superlattices. *Journal of Magnetism and Magnetic Materials*, **1995**, 148, 44-45	2.8	6
55	Magnetoelasticity in rare-earth superlattices and films. *Physica B: Condensed Matter*, **1990**, 161, 260-268	2.8	6
54	Magnetic field frustration of the metal-insulator transition in V2O3. *Physical Review B*, **2020**, 101,	3.3	5
53	Deposition order dependent magnetization reversal in pressure graded Co/Pd films. *Applied Physics Letters*, **2014**, 104, 152401	3.4	5
52	Magnetization reversal of Ga1□MnxAs layers separated by a nonmagnetic spacer. *Journal of Applied Physics*, **2008**, 103, 07D116	2.5	5

51	Precipitating ordered skyrmion lattices from helical spaghetti and granular powders. *Physical Review Materials*, **2019**, 3,	3.2	5
50	Magnetic domain formation within patterned NiFe/Cu/Co ellipses. *Journal of Applied Physics*, **2009**, 105, 07C120	2.5	4
49	Magnetization reversal in a YFe2-dominant DyFe2/YFe2 exchange-coupled superlattice: An x-ray magnetic circular dichroism and polarized neutron reflectometry study. *Journal of Applied Physics*, **2005**, 97, 10K108	2.5	4
48	Magnetization profile in antiferromagnetically coupled recording media. *Applied Physics Letters*, **2005**, 86, 162506	3.4	4
47	Combined low- and high-angle x-ray structural refinement of a Co/Pt(111) multilayer exhibiting perpendicular magnetic anisotropy. *Journal of Applied Physics*, **1993**, 73, 6427-6429	2.5	4
46	Magnetic properties of Dy-Lu alloys. *Journal of Applied Physics*, **1994**, 75, 6592-6594	2.5	4
45	Exchange coupling in [Dy?Er] metallic superlattices. *Journal of Applied Physics*, **1994**, 75, 6477-6479	2.5	4
44	Observation of intermediate spin states in Er/Y superlattices. *Journal of Applied Physics*, **1990**, 67, 5710-5712	2.5	4
43	Effects of field annealing on MnN/CoFeB exchange bias systems. *Physical Review Materials*, **2019**, 3,	3.2	4
42	Layering of magnetic nanoparticles at amorphous magnetic templates with perpendicular anisotropy. *Soft Matter*, **2020**, 16, 7676-7684	3.6	4
41	Magnetic Particle Self-Assembly at Functionalized Interfaces. *Langmuir*, **2021**, 37, 4064-4071	4	4
40	Exchange Bias in Bulk α-Fe/α-Fe70Mn30 Nanocomposites for Permanent Magnet Applications. *ACS Applied Nano Materials*, **2019**, 2, 1940-1950	5.6	4
39	Long-Range Electric Field Control of Permalloy Layers in Strain-Coupled Composite Multiferroics. *Physical Review Applied*, **2018**, 10,	4.3	4
38	Observation of anti-damping spin-orbit torques generated by in-plane and out-of-plane spin polarizations in MnPd3		4
37	Structural studies of magnetic C60/Cu multilayers. *AIP Advances*, **2020**, 10, 025312	1.5	3
36	Magnetization reversal mechanisms in Heusler alloy spin valves. *Journal of Applied Physics*, **2011**, 109, 07B110	2.5	3
35	Dependence of the interlayer coupling on anneal temperature in NiFe/Cu evaporated multilayers. *Journal of Applied Physics*, **1997**, 81, 3771-3773	2.5	3
34	Spatial modulation of the magnetic moment in Co/Pd superlattices observed by polarized neutron reflectivity. *Journal of Applied Physics*, **1994**, 75, 6498-6500	2.5	3

33	Long-range incommensurate magnetic order in Dy-Y multilayers. *Journal of the Less Common Metals* , **1986**, 126, 53-62		3
32	Nanoscale magnetization inhomogeneity within single phase nanopillars. *Physical Review Materials*, **2019**, 3,	3.2	3
31	Magnetic properties of epitaxial metallic superlattices. *Physica Scripta*, **1991**, T35, 163-167	2.6	3
30	Spin waves across three-dimensional, close-packed nanoparticles. *New Journal of Physics*, **2018**, 20, 123020	2.9	3
29	Thickness of the pinned layer as a controlling factor in domain wall formation during training in IrMn-based spin valves. *Journal of Applied Physics*, **2008**, 103, 07C111	2.5	2
28	Pinned Spin Depth Profile of an Oxidized-Mn/Ga$_{1 - x}$Mn $_{x}$As Exchange Bias Bilayer The Effects of Overannealing. *IEEE Transactions on Magnetics*, **2007**, 43, 3016-3018	2	2
27	Exchange anisotropy between single twin domain NiO and NiFe. *Journal of Applied Physics*, **2002**, 91, 7751	2.5	2
26	Origins of coercivity increase in annealed symmetric spin valves. *IEEE Transactions on Magnetics*, **1996**, 32, 4636-4638	2	2
25	Distortions to the penetration depth and coherence length of superconductor/normal-metal superlattices. *Physical Review Materials*, **2020**, 4,	3.2	2
24	Magnetic field-induced non-trivial electronic topology in Fe3GeTe2. *Applied Physics Reviews*, **2021**, 8, 041401	17.3	2
23	Helical magnetism in Sr-doped CaMn7O12 films. *Physical Review B*, **2018**, 98,	3.3	2
22	Magnetic proximity effect in magnetic-insulator/heavy-metal heterostructures across the compensation temperature. *Physical Review B*, **2021**, 104,	3.3	2
21	Krycka et al. reply. *Physical Review Letters*, **2015**, 114, 149702	7.4	1
20	Octahedral tilt independent magnetism in confined GdTiO3 films. *Applied Physics Letters*, **2018**, 112, 132407	3.4	1
19	Interfacial Exchange Coupling and the Magnetization of Iron Oxide/Nickel Oxide Superlattices. *Materials Research Society Symposia Proceedings*, **1993**, 313, 779		1
18	Magnetic Structure Determination for Annealed Ni80Fe20/Ag Multilayers Using Polarized-Neutron Reflectivity. *Materials Research Society Symposia Proceedings*, **1994**, 376, 577		1
17	Effect of chemical substitution on the skyrmion phase in Cu2OSeO3. *Physical Review B*, **2020**, 102,	3.3	1
16	Epitaxial Rare-Earth Superlattices and Films. *Materials Research Society Symposia Proceedings*, **1991**, 231, 95		0

15	Antiferromagnetic□erromagnetic Oxide Multilayers: Fe3O4-Based Systems as a Model239-300	0
14	Correlation of cation deficiency and nanostructure to decreased magnetism in a ferroelectric BiMnO3 film. *Journal of Applied Physics*, **2019**, 126, 085303	2.5
13	Probing the Effect of Structural Roughness on Domain Wall Formation in Spin Valves Using the Offspecular Reflectivity Technique. *IEEE Transactions on Magnetics*, **2008**, 44, 2839-2841	2
12	Determination of Complex Magnetic Structures From Polarized Neutron Reflectivity Data by Flexible Modeling of Depth-Dependent Vector Magnetization. *IEEE Transactions on Magnetics*, **2007**, 43, 3346-3348	2
11	Message from the Conference Chair. *IEEE Transactions on Magnetics*, **2007**, 43, 2082-2082	2
10	Preface: Proceedings of the 10th Joint MMM□ntermag Conference, 7□1 January 2007, Baltimore, Maryland. *Journal of Applied Physics*, **2007**, 101, 09A101	2.5
9	Using circularly polarized soft x rays to probe antiferromagnetically correlated Co/Cu multilayers. *Journal of Applied Physics*, **2004**, 95, 6672-6674	2.5
8	Extracting buried twists with polarized neutron reflectometry. *Applied Physics A: Materials Science and Processing*, **2002**, 74, s1544-s1546	2.6
7	Clamping effect on the magnetic behavior of europium epitaxial thin films. *Journal of Applied Physics*, **2005**, 97, 10K111	2.5
6	Comment on "Phase transitions in antiferromagnetic superlattices". *Physical Review B*, **1993**, 48, 6711	3.3
5	Field-Induced Decoupling of NiO-Magnetite Multilayers. *Materials Research Society Symposia Proceedings*, **1994**, 376, 583	
4	Magnetic correlations of iron oxide nanoparticles as probed by polarized SANS in stretched magnetic nanoparticle□lastomer composites. *Applied Physics Letters*, **2022**, 120, 052401	3.4
3	Magnetic Structure Determinations at NBS/NIST. *Journal of Research of the National Institute of Standards and Technology*, **2001**, 106, 953-63	1.3
2	Nanosession: Spin Injection and Transport301-309	
1	Pulsed laser deposition films from a Ba2FeMoO6 target onto SrTiO3[001]: Chemical and magnetic inhomogeneity. *Journal of Applied Physics*, **2018**, 124, 163903	2.5