Carlos A F Vaz

List of Publications by Year
in descending order

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170 papers	9,578 citations	71102 41 h-index	38395 95 g-index
173 all docs	173 docs citations	173 times ranked	8227 citing authors

#	Article	IF	Citations
1	Evidence for stepwise formation of solid electrolyte interphase in a Li-ion battery. Energy Storage Materials, 2022, 44, 156-167.	18.0	20
2	High Performance Doped Li-Rich Li_{1+x}Mn_{2â€“x}O₄ Cathodes Nanoparticles Synthesized by Facile, Fast, and Efficient Microwave-Assisted Hydrothermal Route. ACS Applied Energy Materials, 2022, 5, 8357-8370.	5.1	4
3	Role of Dy on the magnetic properties of orthorhombic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>DyFeO</mml:mi><mml:mn>3</mml:mn></mml:msub> Physical Review Materials, 2022, 6, .	2.4	2
4	Instability of PVDF Binder in the LiFePO₄versus Li₄Ti₅O₁₂ Liâ€Ion Battery Cell. Helvetica Chimica Acta, 2021, 104, .	1.6	13
5	Buried moirÃ© supercells through SrTiO3 nanolayer relaxation. Physical Review Research, 2021, 3, .	3.6	5
6	Anisotropy and domain formation in a dipolar magnetic metamaterial. Applied Physics Letters, 2021, 118, 202404.	3.3	2
7	Reactivity and Potential Profile across the Electrochemical LiCoO₂â€“Li₃PS₄ Interface Probed by Operando X-ray Photoelectron Spectroscopy. ACS Applied Materials & Interfaces, 2021, 13, 42670-42681.	8.0	11
8	Unveiling the Complex Redox Reactions of SnO₂ in Li-Ion Batteries Using Operando X-ray Photoelectron Spectroscopy and In Situ X-ray Absorption Spectroscopy. ACS Applied Materials & Interfaces, 2021, 13, 2547-2557.	8.0	20
9	Epitaxial ferroelectric interfacial devices. Applied Physics Reviews, 2021, 8, .	11.3	15
10	Thin Films of Nanocrystalline Fe(pz)[Pt(CN)4] Deposited by Resonant Matrix-Assisted Pulsed Laser Evaporation. Materials, 2021, 14, 7135.	2.9	4
11	Coherent Epitaxial Semiconductorâ€“Ferromagnetic Insulator InAs/EuS Interfaces: Band Alignment and Magnetic Structure. ACS Applied Materials & Interfaces, 2020, 12, 8780-8787.	8.0	23
12	Magnon Modes of Microstates and Microwave-Induced Avalanche in Kagome Artificial Spin Ice with Topological Defects. Physical Review Letters, 2020, 125, 117208.	7.8	22
13	Single femtosecond laser pulse excitation of individual cobalt nanoparticles. Physical Review B, 2020, 102, .	3.2	1
14	Meronlike Spin Textures in In-Plane-Magnetized Thin Films. Physical Review Applied, 2020, 14, .	3.8	4
15	Multi-length-scale x-ray spectroscopies for determination of surface reactivity at high voltages of LiNi0.8Co0.15Al0.05O2 vs Li4Ti5O12. Journal of Chemical Physics, 2020, 152, 184705.	3.0	9
16	Post Mortem and Operando XPEEM: a Surface-Sensitive Tool for Studying Single Particles in Li-Ion Battery Composite Electrodes. Analytical Chemistry, 2020, 92, 3023-3031.	6.5	27
17	Thermal nucleation and high-resolution imaging of submicrometer magnetic bubbles in thin thulium iron garnet films with perpendicular anisotropy. Physical Review Materials, 2020, 4, .	2.4	19
18	Nanoscale XPEEM Spectromicroscopy. , 2020, , 17-1-17-21.		3

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19	Multifocus off-axis zone plates for x-ray free-electron laser experiments. Optica, 2020, 7, 1007.	9.3	13
20	Revealing the Dual Surface Reactions on a HE-NCM Li-Ion Battery Cathode and Their Impact on the Surface Chemistry of the Counter Electrode. ACS Applied Materials & Interfaces, 2019, 11, 6054-6065.	8.0	23
21	Electric field control of magnetism in Si3N4 gated Pt/Co/Pt heterostructures. Journal of Applied Physics, 2019, 125, .	2.5	4
22	Surface Degradation and Chemical Electrolyte Oxidation Induced by the Oxygen Released from Layered Oxide Cathodes in Liâ^'Ion Batteries. Batteries and Supercaps, 2019, 2, 482-492.	4.7	29
23	The ultrafast Einsteinâ€“de Haas effect. Nature, 2019, 565, 209-212.	27.8	151
24	Magnetic properties and domain structure of ultrathin yttrium iron garnet/Pt bilayers. Physical Review Materials, 2019, 3, .	2.4	30
25	Electronic phase separation at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaAlO</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi></mml:mi></mml:math> interfaces tunable by oxygen deficiency. Physical Review Materials, 2019, 3, .	2.4	19
26	Enhanced mobility of iron nanoparticles deposited onto a xenon-buffered silicon substrate. Journal of Magnetism and Magnetic Materials, 2018, 459, 2-6.	2.3	0
27	Large exchange bias induced by polycrystalline Mn₃Ga antiferromagnetic films with controlled layer thickness. Journal Physics D: Applied Physics, 2018, 51, 215003.	2.8	16
28	Spectroscopic Characterisation of Multiferroic Interfaces. Springer Series in Materials Science, 2018, , 245-281.	0.6	3
29	Solving the puzzle of Li₄Ti₅O₁₂ surface reactivity in aprotic electrolytes in Li-ion batteries by nanoscale XPEEM spectromicroscopy. Journal of Materials Chemistry A, 2018, 6, 3534-3542.	10.3	17
30	Magnetic domain formation in ultrathin complex oxide ferromagnetic/antiferromagnetic bilayers. Applied Physics Letters, 2018, 113, .	3.3	7
31	Ultrafast demagnetization in iron: Separating effects by their nonlinearity. Structural Dynamics, 2018, 5, 044502.	2.3	8
32	Beam drift and partial probe coherence effects in EUV reflective-mode coherent diffractive imaging. Optics Express, 2018, 26, 12242.	3.4	21
33	Local terahertz field enhancement for time-resolved x-ray diffraction. Applied Physics Letters, 2017, 110, .	3.3	21
34	The EIGER detector for low-energy electron microscopy and photoemission electron microscopy. Journal of Synchrotron Radiation, 2017, 24, 963-974.	2.4	17
35	Deterministic and robust room-temperature exchange coupling in monodomain multiferroic BiFeO3 heterostructures. Nature Communications, 2017, 8, 1583.	12.8	45
36	Interfacial room temperature magnetism and enhanced magnetocaloric effect in strained <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>La</mml:mi><mml:mrow></mml:mrow><mml:mn>0.66</mml:mn></mml:math> heterostructures. Physical Review B, 2017, 96, .	3.2	16

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37	Direct observation of enhanced magnetism in individual size- and shape-selected <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml:math> transition metal nanoparticles. Physical Review B, 2017, 95, .	3.2	24
38	Skyrmions in magnetic multilayers: chirality, electrical detection and current-induced motion. , 2017, , .		1
39	Nanoparticle-Based Magnetoelectric BaTiO₃â€“CoFe₂O₄ Thin Film Heterostructures for Voltage Control of Magnetism. ACS Nano, 2016, 10, 9840-9851.	14.6	48
40	Additive interfacial chiral interaction in multilayers for stabilization of small individual skyrmions at room temperature. Nature Nanotechnology, 2016, 11, 444-448.	31.5	919
41	Role of hexagonal boron nitride in protecting ferromagnetic nanostructures from oxidation. 2D Materials, 2016, 3, 011008.	4.4	5
42	Electric field stimulation setup for photoemission electron microscopes. Review of Scientific Instruments, 2015, 86, 083702.	1.3	8
43	Magnetoelectronicsâ€”electric field control of magnetism in the solid state. Journal of Physics Condensed Matter, 2015, 27, 500301.	1.8	1
44	Dynamics and inertia of skyrmionic spinÂstructures. Nature Physics, 2015, 11, 225-228.	16.7	304
45	Intrinsic interfacial phenomena in manganite heterostructures. Journal of Physics Condensed Matter, 2015, 27, 123001.	1.8	25
46	Effect of substrate interface on the magnetism of supported iron nanoparticles. Ultramicroscopy, 2015, 159, 513-519.	1.9	5
47	Efficient spin transfer torque in La2/3Sr1/3MnO3 nanostructures. Applied Physics Letters, 2014, 104, .	3.3	10
48	In situ magnetic and electronic investigation of the early stage oxidation of Fe nanoparticles using X-ray photo-emission electron microscopy. Physical Chemistry Chemical Physics, 2014, 16, 26624-26630.	2.8	16
49	Domain wall transformations and hopping in La0.7Sr0.3MnO3nanostructures imaged with high resolution x-ray magnetic microscopy. Journal of Physics Condensed Matter, 2014, 26, 456003.	1.8	5
50	Magnetic and electronic structure of ultrathin<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>La</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:m mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>films at half doping. Physical Review B, 2014, 90, .	3.2	24
51	The effect of magnetic anisotropy on the spin configurations of patterned La_{0.7}Sr_{0.3}MnO₃elements. Journal of Physics Condensed Matter, 2013, 25, 176004.	1.8	5
52	Role of epitaxial strain on the magnetic structure of Fe-doped CoFe 2 O 4. Journal of Magnetism and Magnetic Materials, 2013, 345, 180-189.	2.3	13
53	X-ray excited optical luminescence of metal oxide single crystals. Journal of Electron Spectroscopy and Related Phenomena, 2013, 189, 1-4.	1.7	12
54	Automatable sample fabrication process for pump-probe X-ray holographic imaging. Optics Express, 2013, 21, 30563.	3.4	12

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55	ELECTRICAL-FIELD CONTROL OF MAGNETISM MEDIATED BY STRAIN IN Ni NANOSTRUCTURES FABRICATED ON PRE-POLED PMNâ€“PT (011). Spin, 2013, 03, 1340008.	1.3	2
56	The effect of magnetocrystalline anisotropy on the domain structure of patterned Fe2CrSi Heusler alloy thin films. Journal of Applied Physics, 2013, 114, 073905.	2.5	8
57	Epitaxial strain-induced changes in the cation distribution and resistivity of Fe-doped CoFe2O4. Applied Physics Letters, 2012, 101, .	3.3	21
58	Luminescence-based magnetic imaging with scanning x-ray transmission microscopy. Applied Physics Letters, 2012, 101, 083114.	3.3	14
59	Enhanced magnetic moment in ultrathin Fe-doped CoFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>films. Physical Review B, 2012, 86, .	3.2	27
60	Control of the magnetization in pre-patterned half-metallic La0.7Sr0.3MnO3 nanostructures. Journal of Applied Physics, 2012, 112, 103921.	2.5	7
61	Electric field control of magnetism in multiferroic heterostructures. Journal of Physics Condensed Matter, 2012, 24, 333201.	1.8	342
62	Field-dependent anisotropic magnetoresistance and planar Hall effect in epitaxial magnetite thin films. Physical Review B, 2011, 84, .	3.2	30
63	Control of spin configuration in half-metallic La0.7Sr0.3MnO3nano-structures. Applied Physics Letters, 2011, 99, 062508.	3.3	23
64	Spin configurations in Co2FeAl0.4Si0.6 Heusler alloy thin film elements. Applied Physics Letters, 2011, 99, .	3.3	13
65	Magnetic structure of Fe-doped CoFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>probed by x-ray magnetic spectroscopies. Physical Review B, 2011, 84, .	3.2	74
66	Controlling the electronic structure of Co1âˆ’xFe2+xO4thin films through iron doping. Physical Review B, 2011, 83, .	3.2	83
67	Control of magnetism in Pb(Zr0.2Ti0.8)O3/La0.8Sr0.2MnO3 multiferroic heterostructures (invited). Journal of Applied Physics, 2011, 109, .	2.5	45
68	Thickness dependence of the magnetic properties of ripple-patterned Fe/MgO(001) films. Physical Review B, 2011, 84, .	3.2	9
69	Origin of 90Â° domain wall pinning in Pb(Zr_{0.2}Ti_{0.8})O₃heteroepitaxial thin films. Applied Physics Letters, 2011, 99, 102902.	3.3	49
70	Dynamic Evanescent Phonon Coupling Across the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>La</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>x</mml:mi>	7.8	38
71	Physical Review Letters, 2011, 107, 105501. Electrostatic control of magnetism in all-oxide multiferroic heterostructures. Proceedings of SPIE, 2010, , .	0.8	2
72	Magnetoelectric Coupling Effects in Multiferroic Complex Oxide Composite Structures. Advanced Materials, 2010, 22, 2900-2918.	21.0	792

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73	Growth and characterization of PZT/LSMO multiferroic heterostructures. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C5A6-C5A10.	1.2	23
74	Temperature dependence of the magnetoelectric effect in Pb(Zr0.2Ti0.8)O3/La0.8Sr0.2MnO3 multiferroic heterostructures. Applied Physics Letters, 2010, 97, .	3.3	74
75	Exchange bias and interface electronic structure in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Ni</mml:mtext><mml:mo>/</mml:mo><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext>	3.2	24
76	Origin of the Magnetoelectric Coupling Effect in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Pb</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>Zr</mml:mi><mml:mn>0.2</mml:mn></mml:msub><mml:msub><mml:mi>Ti</mml:mi>	7.8	314
77	Experimental study of the interfacial cobalt oxide in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mtext>Co</mml:mtext><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mtext> Physical Review B, 2009, 80, .	3.2	102
78	Magnetic anisotropy modulation of magnetite in Fe3O4/BaTiO3(100) epitaxial structures. Applied Physics Letters, 2009, 94, 022504.	3.3	70
79	Magnetoelectric Effects in Complex Oxides with Competing Ground States. Advanced Materials, 2009, 21, 3470-3474.	21.0	395
80	Interface and electronic characterization of thin epitaxial films. Surface Science, 2009, 603, 291-297.	1.9	39
81	Growth and characterization of thin epitaxial <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0036.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">Co</mml:mi></mml:mrow><mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mrow></mml: mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:mrow></mml:		

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91	Magnetic bubbles in FePt nanodots with perpendicular anisotropy. Physical Review B, 2007, 76, .	3.2	65
92	Oscillatory interlayer coupling in bcc<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:mn>75</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Fe</mml:mi><mml:mn>25</mml:mn></mml:msub><mml:mo>â^•</mml:mo><mml:mi mathvariant="normal">Au</mml:mi></mml:mrow></mml:math>and fcc<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi	3.2	1
93	Roughness-induced variation of magnetic anisotropy in ultrathin epitaxial films: The undulating limit. Physical Review B, 2007, 75, .	3.2	36
94	Spin torque and heating effects in current-induced domain wall motion probed by transmission electron microscopy. Applied Physics Letters, 2007, 90, 132506.	3.3	57
95	Transverse domain walls in nanoconstrictions. Applied Physics Letters, 2007, 91, 112502.	3.3	39
96	Ferromagnetic nanorings. Journal of Physics Condensed Matter, 2007, 19, 255207.	1.8	68
97	Structural and morphological characterisation of hybrid Cu/Si(001) structures. Surface Science, 2007, 601, 1377-1383.	1.9	26
98	Interface dependent magnetic moments in Cu/Co,Ni/Cu/Si(001) epitaxial structures. Journal of Magnetism and Magnetic Materials, 2007, 313, 89-97.	2.3	12
99	Magnetization reversal in cobalt antidot arrays. Physical Review B, 2006, 73, .	3.2	91
100	Vortices in ferromagnetic elements with perpendicular anisotropy. Physical Review B, 2006, 74, .	3.2	32
101	Magnetic states in wide annular structures. Journal of Applied Physics, 2006, 99, 08G308.	2.5	12
102	Temperature Dependence of the Spin Torque Effect in Current-Induced Domain Wall Motion. Physical Review Letters, 2006, 97, 046602.	7.8	92
103	Observation of thermally activated domain wall transformations. Applied Physics Letters, 2006, 88, 052507.	3.3	96
104	Quantitative determination of domain wall coupling energetics. Applied Physics Letters, 2006, 88, 212510.	3.3	39
105	Energetics of magnetic ring and disk elements: Uniform versus vortex state. Physical Review B, 2006, 73, .	3.2	31
106	Fabrication of curved-line nanostructures on membranes for transmission electron microscopy investigations of domain walls. Microelectronic Engineering, 2006, 83, 1726-1729.	2.4	13
107	Fundamental magnetic states of disk and ring elements. Nuclear Instruments & Methods in Physics Research B, 2006, 246, 13-19.	1.4	23
108	Room-Temperature Study of the Magnetic Moment of Ultrathin Fe Films on GaAs. IEEE Transactions on Magnetics, 2006, 42, 2933-2935.	2.1	5

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109	Coercivity and Switching Field- Engineered Magnetic Multilayers for 3-D Patterned Media. IEEE Transactions on Magnetics, 2006, 42, 2957-2959.	2.1	1
110	Anisotropy engineering in Co nanodiscs fabricated using prepatterned silicon pillars. Nanotechnology, 2006, 17, 1960-1963.	2.6	4
111	Current-induced vortex nucleation and annihilation in vortex domain walls. Applied Physics Letters, 2006, 88, 232507.	3.3	85
112	Spatially Resolved Dynamic Eigenmode Spectrum of Co Rings. Physical Review Letters, 2006, 96, 057207.	7.8	67
113	Fabrication of magnetic ring structures for Lorentz electron microscopy. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 86-89.	2.3	13
114	Magnetic and structural properties of stoichiometric thin Fe<mml:math altimg="si8.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	2.3	20
115	Spin switching phase diagram of mesoscopic ring magnets. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 61-67.	2.3	42
116	Domain wall coupling and collective switching in interacting mesoscopic ring magnet arrays. Applied Physics Letters, 2005, 86, 032504.	3.3	32
117	Critical parameters for current-induced domain wall motion. , 2005, , .		0
118	Controlled and Reproducible Domain Wall Displacement by Current Pulses Injected into Ferromagnetic Ring Structures. Physical Review Letters, 2005, 94, 106601.	7.8	301
119	Current induced modifications of domain wall. , 2005, , .		0
120	Direct Observation of Domain-Wall Configurations Transformed by Spin Currents. Physical Review Letters, 2005, 95, 026601.	7.8	327
121	Magnetic properties of Feâˆ•AlOxâˆ•GaAs(001) structures. Journal of Applied Physics, 2005, 97, 10J119.	2.5	6
122	Multiplicity of magnetic domain states in circular elements probed by photoemission electron microscopy. Physical Review B, 2005, 72, .	3.2	35
123	Direct observation of domain-wall pinning at nanoscale constrictions. Applied Physics Letters, 2005, 87, 102509.	3.3	127
124	Structural, magnetic, electronic, and spin transport properties of epitaxialFe3Siâˆ•GaAs(001). Physical Review B, 2005, 71, .	3.2	124
125	Bubble domains in disc-shaped ferromagnetic particles. Physical Review B, 2005, 71, .	3.2	40
126	Polarised Neutron Reflection Studies of Thin Magnetic Films. , 2005, , 233-284.		7

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127	Highly efficient spin filtering of ballistic electrons. Physical Review B, 2004, 69, .	3.2	8
128	Observation of a geometrically constrained domain wall in epitaxial FCC Co small disks. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1674-1675.	2.3	7
129	Spin configurations and classification of switching processes in ferromagnetic rings down to sub-dimensions. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1631-1636.	2.3	26
130	Soft X-ray resonant magnetic scattering from a Ni layer with modulated magnetic anisotropy. Journal of Synchrotron Radiation, 2004, 11, 254-260.	2.4	7
131	Domain wall behaviour at constrictions in ferromagnetic ring structures. Physica B: Condensed Matter, 2004, 343, 343-349.	2.7	38
132	Effect of the magnetocrystalline anisotropy on the magnetic behavior of ring elements. Journal of Applied Physics, 2004, 95, 6732-6734.	2.5	8
133	Switching processes and switching reproducibility in ferromagnetic ring structures. Applied Physics Letters, 2004, 84, 951-953.	3.3	52
134	Head-to-head domain-wall phase diagram in mesoscopic ring magnets. Applied Physics Letters, 2004, 85, 5637-5639.	3.3	118
135	Multistep switching phase diagram of ferromagnetic ring structures. Journal of Applied Physics, 2004, 95, 6639-6641.	2.5	23
136	Switching field phase diagram of Co nanoring magnets. Applied Physics Letters, 2003, 82, 2470-2472.	3.3	122
137	Domain wall pinning and controlled magnetic switching in narrow ferromagnetic ring structures with notches (invited). Journal of Applied Physics, 2003, 93, 7885-7890.	2.5	33
138	Direct observation of remanent magnetic states in epitaxial fcc Co small disks. Physical Review B, 2003, 67, .	3.2	54
139	Fabrication and anisotropy investigations of patterned epitaxial magnetic films using a lift-off process. Journal of Applied Physics, 2003, 93, 7349-7351.	2.5	5
140	Domain wall motion induced by spin polarized currents in ferromagnetic ring structures. Applied Physics Letters, 2003, 83, 105-107.	3.3	172
141	Nanoscale ferromagnetic rings fabricated by electron-beam lithography. Journal of Applied Physics, 2003, 93, 10011-10013.	2.5	63
142	Domain Wall Pinning in Narrow Ferromagnetic Ring Structures Probed by Magnetoresistance Measurements. Physical Review Letters, 2003, 90, 097202.	7.8	183
143	Vortex formation in narrow ferromagnetic rings. Journal of Physics Condensed Matter, 2003, 15, R985-R1024.	1.8	232
144	Magnetoresistance magnetometry of (Ni80Fe20)1â^'xIrx wires with varying anisotropic magnetoresistance ratio. Journal of Applied Physics, 2003, 93, 8104-8106.	2.5	4

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145	Controlled magnetic switching in single narrow rings probed by magnetoresistance measurements. Applied Physics Letters, 2002, 81, 108-110.	3.3	114
146	Spin confinement by anisotropy modulation. Journal Physics D: Applied Physics, 2002, 35, 2384-2390.	2.8	4
147	Magnetic Domain Confinement by Anisotropy Modulation. Physical Review Letters, 2002, 88, 087202.	7.8	33
148	Fabrication and magnetic properties of prepatterned epitaxial nanodots. Microelectronic Engineering, 2002, 61-62, 593-600.	2.4	3
149	Fabrication of magnetic rings for high density memory devices. Microelectronic Engineering, 2002, 61-62, 577-583.	2.4	27
150	Switching properties of free-standing epitaxial ring magnets. Journal of Magnetism and Magnetic Materials, 2002, 240, 7-10.	2.3	41
151	Mesoscopic FCC Co ring magnets. Journal of Magnetism and Magnetic Materials, 2002, 249, 208-213.	2.3	2
152	Spin-engineering magnetic media. Nature, 2002, 415, 600-601.	27.8	39
153	Vortex circulation control in mesoscopic ring magnets. Applied Physics Letters, 2001, 78, 3268-3270.	3.3	140
154	Observation of a Bi-Domain State and Nucleation Free Switching in Mesoscopic Ring Magnets. Physical Review Letters, 2001, 86, 1098-1101.	7.8	454
155	Spin and orbital magnetic moments of ultrathin Fe films on GaAs(100) studied by X-ray magnetic circular dichroism. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1643-1645.	2.3	13
156	Effect of the Cu capping thickness on the magnetic properties of thin Ni/Cu(001) films. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1618-1620.	2.3	7
157	Dependence of the coercive field on the Cu overlayer thickness in thin Co/Cu(001) and Ni/Cu(001) fcc epitaxial films. Journal of Applied Physics, 2001, 89, 7374-7376.	2.5	20
158	Giant enhancement of orbital moments and perpendicular anisotropy in epitaxial Fe/GaAs(100). Journal of Applied Physics, 2001, 89, 7156-7158.	2.5	26
159	Layer selective determination of magnetization vector configurations in an epitaxial double spin valve structure: Si(001)/Cu/Co/Cu/FeNi/Cu/Co/Cu. Applied Physics Letters, 2000, 77, 892-894.	3.3	9
160	Magnetoresistance of a domain wall at a submicron junction. Physical Review B, 2000, 61, R14901-R14904.	3.2	35
161	Strain-induced magnetic anisotropy in Cu/Co/Ni/Cu/Si(001) epitaxial structures. Physical Review B, 2000, 61, 3098-3102.	3.2	23
162	Perpendicular magnetic anisotropy and strain inNi/Cu/Ni60Cu40/Cu(001). Physical Review B, 2000, 61, 6805-6810.	3.2	19

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