

Carlos A F Vaz

List of Publications by Year in descending order

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170
papers

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citations

71102

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173
times ranked

8227
citing authors

#	ARTICLE	IF	CITATIONS
1	Additive interfacial chiral interaction in multilayers for stabilization of small individual skyrmions at room temperature. <i>Nature Nanotechnology</i> , 2016, 11, 444-448.	31.5	919
2	Magnetoelectric Coupling Effects in Multiferroic Complex Oxide Composite Structures. <i>Advanced Materials</i> , 2010, 22, 2900-2918.	21.0	792
3	Magnetism in ultrathin film structures. <i>Reports on Progress in Physics</i> , 2008, 71, 056501.	20.1	506
4	Observation of a Bi-Domain State and Nucleation Free Switching in Mesoscopic Ring Magnets. <i>Physical Review Letters</i> , 2001, 86, 1098-1101.	7.8	454
5	Magnetoelectric Effects in Complex Oxides with Competing Ground States. <i>Advanced Materials</i> , 2009, 21, 3470-3474.	21.0	395
6	Electric field control of magnetism in multiferroic heterostructures. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 333201.	1.8	342
7	Direct Observation of Domain-Wall Configurations Transformed by Spin Currents. <i>Physical Review Letters</i> , 2005, 95, 026601.	7.8	327
8	Origin of the Magnetoelectric Coupling Effect in PbTiO_3 . <i>Physical Review Letters</i> , 2005, 95, 026601.	7.8	314
9	Dynamics and inertia of skyrmionic spin structures. <i>Nature Physics</i> , 2015, 11, 225-228.	16.7	304
10	Controlled and Reproducible Domain Wall Displacement by Current Pulses Injected into Ferromagnetic Ring Structures. <i>Physical Review Letters</i> , 2005, 94, 106601.	7.8	301
11	Vortex formation in narrow ferromagnetic rings. <i>Journal of Physics Condensed Matter</i> , 2003, 15, R985-R1024.	1.8	232
12	Domain Wall Pinning in Narrow Ferromagnetic Ring Structures Probed by Magnetoresistance Measurements. <i>Physical Review Letters</i> , 2003, 90, 097202.	7.8	183
13	Domain wall motion induced by spin polarized currents in ferromagnetic ring structures. <i>Applied Physics Letters</i> , 2003, 83, 105-107.	3.3	172
14	The ultrafast Einstein-de Haas effect. <i>Nature</i> , 2019, 565, 209-212.	27.8	151
15	Vortex circulation control in mesoscopic ring magnets. <i>Applied Physics Letters</i> , 2001, 78, 3268-3270.	3.3	140
16	Direct observation of domain-wall pinning at nanoscale constrictions. <i>Applied Physics Letters</i> , 2005, 87, 102509.	3.3	127
17	Structural, magnetic, electronic, and spin transport properties of epitaxial $\text{Fe}_3\text{Si}/\text{GaAs}(001)$. <i>Physical Review B</i> , 2005, 71, .	3.2	124
18	Switching field phase diagram of Co nanoring magnets. <i>Applied Physics Letters</i> , 2003, 82, 2470-2472.	3.3	122

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19	Head-to-head domain-wall phase diagram in mesoscopic ring magnets. Applied Physics Letters, 2004, 85, 5637-5639.	3.3	118
20	Controlled magnetic switching in single narrow rings probed by magnetoresistance measurements. Applied Physics Letters, 2002, 81, 108-110.	3.3	114
21	Experimental study of the interfacial cobalt oxide in $\text{Co}/\text{Mn}_3\text{O}_8$. Physical Review B, 2009, 80, .	3.2	102
22	Observation of thermally activated domain wall transformations. Applied Physics Letters, 2006, 88, 052507.	3.3	96
23	Temperature Dependence of the Spin Torque Effect in Current-Induced Domain Wall Motion. Physical Review Letters, 2006, 97, 046602.	7.8	92
24	Magnetization reversal in cobalt antidot arrays. Physical Review B, 2006, 73, .	3.2	91
25	Current-induced vortex nucleation and annihilation in vortex domain walls. Applied Physics Letters, 2006, 88, 232507.	3.3	85
26	Controlling the electronic structure of $\text{Co}_{1-x}\text{Fe}_x\text{O}_4$ thin films through iron doping. Physical Review B, 2011, 83, .	3.2	83
27	Temperature dependence of the magnetoelectric effect in $\text{Pb}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3/\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$ multiferroic heterostructures. Applied Physics Letters, 2010, 97, .	3.3	74
28	Magnetic structure of Fe-doped CoFe_2O_4 probed by x-ray magnetic spectroscopies. Physical Review B, 2011, 84, .	3.2	74
29	Magnetic anisotropy modulation of magnetite in $\text{Fe}_3\text{O}_4/\text{BaTiO}_3(100)$ epitaxial structures. Applied Physics Letters, 2009, 94, 022504.	3.3	70
30	Ferromagnetic nanorings. Journal of Physics Condensed Matter, 2007, 19, 255207.	1.8	68
31	Spatially Resolved Dynamic Eigenmode Spectrum of Co Rings. Physical Review Letters, 2006, 96, 057207.	7.8	67
32	Magnetic bubbles in FePt nanodots with perpendicular anisotropy. Physical Review B, 2007, 76, .	3.2	65
33	Nanoscale ferromagnetic rings fabricated by electron-beam lithography. Journal of Applied Physics, 2003, 93, 10011-10013.	2.5	63
34	Energy Equilibration Processes of Electrons, Magnons, and Phonons at the Femtosecond Time Scale. Physical Review Letters, 2008, 101, 237401.	7.8	63
35	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
36	Direct observation of remanent magnetic states in epitaxial fcc Co small disks. Physical Review B, 2003, 67, .	3.2	54

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37	Switching processes and switching reproducibility in ferromagnetic ring structures. Applied Physics Letters, 2004, 84, 951-953.	3.3	52
38	Origin of 90Å° domain wall pinning in Pb(Zr _{0.2} Ti _{0.8})O ₃ heteroepitaxial thin films. Applied Physics Letters, 2011, 99, 102902.	3.3	49
39	Nanoparticle-Based Magnetoelectric BaTiO ₃ –CoFe ₂ O ₄ Thin Film Heterostructures for Voltage Control of Magnetism. ACS Nano, 2016, 10, 9840-9851.	14.6	48
40	Control of magnetism in Pb(Zr _{0.2} Ti _{0.8})O ₃ /La _{0.8} Sr _{0.2} MnO ₃ multiferroic heterostructures (invited). Journal of Applied Physics, 2011, 109, .	2.5	45
41	Deterministic and robust room-temperature exchange coupling in monodomain multiferroic BiFeO ₃ heterostructures. Nature Communications, 2017, 8, 1583.	12.8	45
42	Spin switching phase diagram of mesoscopic ring magnets. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 61-67.	2.3	42
43	Switching properties of free-standing epitaxial ring magnets. Journal of Magnetism and Magnetic Materials, 2002, 240, 7-10.	2.3	41
44	Bubble domains in disc-shaped ferromagnetic particles. Physical Review B, 2005, 71, .	3.2	40
45	Spin-engineering magnetic media. Nature, 2002, 415, 600-601.	27.8	39
46	Quantitative determination of domain wall coupling energetics. Applied Physics Letters, 2006, 88, 212510.	3.3	39
47	Transverse domain walls in nanoconstrictions. Applied Physics Letters, 2007, 91, 112502.	3.3	39
48	Interface and electronic characterization of thin epitaxial films. Surface Science, 2009, 603, 291-297.	1.9	39
49	Domain wall behaviour at constrictions in ferromagnetic ring structures. Physica B: Condensed Matter, 2004, 343, 343-349.	2.7	38
50	Dynamic Evanescent Phonon Coupling Across the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \langle \text{mml:msub} \langle \text{mml:mi} \text{La} \langle \text{mml:mi} \langle \text{mml:mrow} \langle \text{mml:mn} \text{1} \langle \text{mml:mn} \langle \text{mml:mo} \text{â}^{\sim} \langle \text{mml:mo} \langle \text{mml:mi} \text{X} \langle \text{mml:mi} \text{â}^{\sim} \rangle \rangle \rangle \rangle \rangle \rangle \rangle$ Physical Review Letters, 2011, 107, 105501.	7.8	38
51	Roughness-induced variation of magnetic anisotropy in ultrathin epitaxial films: The undulating limit. Physical Review B, 2007, 75, .	3.2	36
52	Magnetoresistance of a domain wall at a submicron junction. Physical Review B, 2000, 61, R14901-R14904.	3.2	35
53	Multiplicity of magnetic domain states in circular elements probed by photoemission electron microscopy. Physical Review B, 2005, 72, .	3.2	35
54	Magnetic Domain Confinement by Anisotropy Modulation. Physical Review Letters, 2002, 88, 087202.	7.8	33

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55	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
56	Domain wall coupling and collective switching in interacting mesoscopic ring magnet arrays. Applied Physics Letters, 2005, 86, 032504.	3.3	32
57	Vortices in ferromagnetic elements with perpendicular anisotropy. Physical Review B, 2006, 74, .	3.2	32
58	Energetics of magnetic ring and disk elements: Uniform versus vortex state. Physical Review B, 2006, 73, .	3.2	31
59	Growth and characterization of thin epitaxial Co_3O_4		

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73	Direct observation of enhanced magnetism in individual size- and shape-selected transition metal nanoparticles. <i>Physical Review B</i> , 2017, 95, .	3.2	24
74	Strain-induced magnetic anisotropy in Cu/Co/Ni/Cu/Si(001) epitaxial structures. <i>Physical Review B</i> , 2000, 61, 3098-3102.	3.2	23
75	Multistep switching phase diagram of ferromagnetic ring structures. <i>Journal of Applied Physics</i> , 2004, 95, 6639-6641.	2.5	23
76	Fundamental magnetic states of disk and ring elements. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 246, 13-19.	1.4	23
77	Growth and characterization of PZT/LSMO multiferroic heterostructures. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C5A6-C5A10.	1.2	23
78	Control of spin configuration in half-metallic La _{0.7} Sr _{0.3} MnO ₃ nano-structures. <i>Applied Physics Letters</i> , 2011, 99, 062508.	3.3	23
79	Revealing the Dual Surface Reactions on a HE-NCM Li-Ion Battery Cathode and Their Impact on the Surface Chemistry of the Counter Electrode. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6054-6065.	8.0	23
80	Coherent Epitaxial Semiconductor/Ferromagnetic Insulator InAs/EuS Interfaces: Band Alignment and Magnetic Structure. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8780-8787.	8.0	23
81	Magnon Modes of Microstates and Microwave-Induced Avalanche in Kagome Artificial Spin Ice with Topological Defects. <i>Physical Review Letters</i> , 2020, 125, 117208.	7.8	22
82	Epitaxial strain-induced changes in the cation distribution and resistivity of Fe-doped CoFe ₂ O ₄ . <i>Applied Physics Letters</i> , 2012, 101, .	3.3	21
83	Local terahertz field enhancement for time-resolved x-ray diffraction. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	21
84	Beam drift and partial probe coherence effects in EUV reflective-mode coherent diffractive imaging. <i>Optics Express</i> , 2018, 26, 12242.	3.4	21
85	Dependence of the coercive field on the Cu overlayer thickness in thin Co/Cu(001) and Ni/Cu(001) fcc epitaxial films. <i>Journal of Applied Physics</i> , 2001, 89, 7374-7376.	2.5	20
86	Magnetic and structural properties of stoichiometric thin Fe _{1-x} Si _x alloys. <i>Physical Review B</i> , 2001, 64, 044411.	2.3	20
87	Unveiling the Complex Redox Reactions of SnO ₂ in Li-Ion Batteries Using Operando X-ray Photoelectron Spectroscopy and In Situ X-ray Absorption Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2547-2557.	8.0	20
88	Evidence for stepwise formation of solid electrolyte interphase in a Li-ion battery. <i>Energy Storage Materials</i> , 2022, 44, 156-167.	18.0	20
89	Perpendicular magnetic anisotropy and strain in Ni/Cu/Ni ₆₀ Cu ₄₀ /Cu(001). <i>Physical Review B</i> , 2000, 61, 6805-6810.	3.2	19
90	Electronic phase separation at LaAlO ₃ /SrTiO ₃ interfaces tunable by oxygen deficiency. <i>Physical Review Materials</i> , 2019, 3, .	2.1	19

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91	Thermal nucleation and high-resolution imaging of submicrometer magnetic bubbles in thin thulium iron garnet films with perpendicular anisotropy. <i>Physical Review Materials</i> , 2020, 4, .	2.4	19
92	Easy axis magnetization reversal in cobalt antidot arrays. <i>Journal of Applied Physics</i> , 2008, 103, 07D509.	2.5	17
93	The EIGER detector for low-energy electron microscopy and photoemission electron microscopy. <i>Journal of Synchrotron Radiation</i> , 2017, 24, 963-974.	2.4	17
94	Solving the puzzle of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ surface reactivity in aprotic electrolytes in Li-ion batteries by nanoscale XPEEM spectromicroscopy. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3534-3542.	10.3	17
95	Ferromagnetic metal/semiconductor hybrid structures for magnetoelectronics. <i>Journal of Applied Physics</i> , 1999, 85, 5369-5371.	2.5	16
96	In situ magnetic and electronic investigation of the early stage oxidation of Fe nanoparticles using X-ray photo-emission electron microscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26624-26630.	2.8	16
97	Interfacial room temperature magnetism and enhanced magnetocaloric effect in strained $\text{La}_{0.6}\text{Ca}_{0.4}\text{MnO}_2$ heterostructures. <i>Physical Review B</i> , 2017, 96, .	2.8	16
98	Large exchange bias induced by polycrystalline Mn_3Ga antiferromagnetic films with controlled layer thickness. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 215003.	2.8	16
99	Domain wall trapping probed by magnetoresistance and magnetic force microscopy in submicron ferromagnetic wire structures. <i>Journal of Applied Physics</i> , 1999, 85, 6178-6180.	2.5	15
100	Epitaxial ferroelectric interfacial devices. <i>Applied Physics Reviews</i> , 2021, 8, .	11.3	15
101	Luminescence-based magnetic imaging with scanning x-ray transmission microscopy. <i>Applied Physics Letters</i> , 2012, 101, 083114.	3.3	14
102	Spin and orbital magnetic moments of ultrathin Fe films on GaAs(100) studied by X-ray magnetic circular dichroism. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 1643-1645.	2.3	13
103	Fabrication of magnetic ring structures for Lorentz electron microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 86-89.	2.3	13
104	Fabrication of curved-line nanostructures on membranes for transmission electron microscopy investigations of domain walls. <i>Microelectronic Engineering</i> , 2006, 83, 1726-1729.	2.4	13
105	Angular dependence of the depinning field for head-to-head domain walls at constrictions. <i>Journal of Applied Physics</i> , 2007, 101, 09F509.	2.5	13
106	Spin configurations in $\text{Co}_2\text{FeAl}_{0.4}\text{Si}_{0.6}$ Heusler alloy thin film elements. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	13
107	Role of epitaxial strain on the magnetic structure of Fe-doped CoFe_2O_4 . <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 345, 180-189.	2.3	13
108	Instability of PVDF Binder in the LiFePO_4 versus $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Li-ion Battery Cell. <i>Helvetica Chimica Acta</i> , 2021, 104, .	1.6	13

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109	Multifocus off-axis zone plates for x-ray free-electron laser experiments. <i>Optica</i> , 2020, 7, 1007.	9.3	13
110	Magnetic states in wide annular structures. <i>Journal of Applied Physics</i> , 2006, 99, 08C308.	2.5	12
111	The influence of thermal activation and the intrinsic temperature dependence of the spin torque effect in current-induced domain wall motion. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 1247-1252.	2.8	12
112	Interface dependent magnetic moments in Cu/Co,Ni/Cu/Si(001) epitaxial structures. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 313, 89-97.	2.3	12
113	X-ray excited optical luminescence of metal oxide single crystals. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 189, 1-4.	1.7	12
114	Automatable sample fabrication process for pump-probe X-ray holographic imaging. <i>Optics Express</i> , 2013, 21, 30563.	3.4	12
115	Reactivity and Potential Profile across the Electrochemical LiCoO ₂ ∩Li ₃ PS ₄ Interface Probed by Operando X-ray Photoelectron Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42670-42681.	8.0	11
116	Effect of junction geometry on switching field and reversal behavior in permalloy wires. <i>IEEE Transactions on Magnetics</i> , 1999, 35, 3883-3885.	2.1	10
117	Efficient spin transfer torque in La ₂ /3Sr ₁ /3MnO ₃ nanostructures. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	10
118	Layer selective determination of magnetization vector configurations in an epitaxial double spin valve structure: Si(001)/Cu/Co/Cu/FeNi/Cu/Co/Cu. <i>Applied Physics Letters</i> , 2000, 77, 892-894.	3.3	9
119	Thickness dependence of the magnetic properties of ripple-patterned Fe/MgO(001) films. <i>Physical Review B</i> , 2011, 84, .	3.2	9
120	Multi-length-scale x-ray spectroscopies for determination of surface reactivity at high voltages of LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ vs Li ₄ Ti ₅ O ₁₂ . <i>Journal of Chemical Physics</i> , 2020, 152, 184705.	3.0	9
121	Highly efficient spin filtering of ballistic electrons. <i>Physical Review B</i> , 2004, 69, .	3.2	8
122	Effect of the magnetocrystalline anisotropy on the magnetic behavior of ring elements. <i>Journal of Applied Physics</i> , 2004, 95, 6732-6734.	2.5	8
123	The effect of magnetocrystalline anisotropy on the domain structure of patterned Fe ₂ CrSi Heusler alloy thin films. <i>Journal of Applied Physics</i> , 2013, 114, 073905.	2.5	8
124	Electric field stimulation setup for photoemission electron microscopes. <i>Review of Scientific Instruments</i> , 2015, 86, 083702.	1.3	8
125	Ultrafast demagnetization in iron: Separating effects by their nonlinearity. <i>Structural Dynamics</i> , 2018, 5, 044502.	2.3	8
126	Effect of the Cu capping thickness on the magnetic properties of thin Ni/Cu(001) films. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 1618-1620.	2.3	7

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127	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
128	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
129	Influence of substrate roughness on the magnetic properties of thin fcc Co films. Journal of Applied Physics, 2007, 101, 09D113.	2.5	7
130	Control of the magnetization in pre-patterned half-metallic La _{0.7} Sr _{0.3} MnO ₃ nanostructures. Journal of Applied Physics, 2012, 112, 103921.	2.5	7
131	Magnetic domain formation in ultrathin complex oxide ferromagnetic/antiferromagnetic bilayers. Applied Physics Letters, 2018, 113, .	3.3	7
132	Polarised Neutron Reflection Studies of Thin Magnetic Films. , 2005, , 233-284.		7
133	Magnetic properties of Fe ^x AlO ^x GaAs(001) structures. Journal of Applied Physics, 2005, 97, 10J119.	2.5	6
134	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
135	Room-Temperature Study of the Magnetic Moment of Ultrathin Fe Films on GaAs. IEEE Transactions on Magnetics, 2006, 42, 2933-2935.	2.1	5
136	The effect of magnetic anisotropy on the spin configurations of patterned La _{0.7} Sr _{0.3} MnO ₃ elements. Journal of Physics Condensed Matter, 2013, 25, 176004.	1.8	5
137	Domain wall transformations and hopping in La _{0.7} Sr _{0.3} MnO ₃ nanostructures imaged with high resolution x-ray magnetic microscopy. Journal of Physics Condensed Matter, 2014, 26, 456003.	1.8	5
138	Effect of substrate interface on the magnetism of supported iron nanoparticles. Ultramicroscopy, 2015, 159, 513-519.	1.9	5
139	Role of hexagonal boron nitride in protecting ferromagnetic nanostructures from oxidation. 2D Materials, 2016, 3, 011008.	4.4	5
140	Buried moiré supercells through SrTiO ₃ nanolayer relaxation. Physical Review Research, 2021, 3, .	3.6	5
141	Spin confinement by anisotropy modulation. Journal Physics D: Applied Physics, 2002, 35, 2384-2390.	2.8	4
142	Magnetoresistance magnetometry of (Ni ₈₀ Fe ₂₀) ₁ × _l × wires with varying anisotropic magnetoresistance ratio. Journal of Applied Physics, 2003, 93, 8104-8106.	2.5	4
143	Anisotropy engineering in Co nanodiscs fabricated using prepatterned silicon pillars. Nanotechnology, 2006, 17, 1960-1963.	2.6	4
144	Electric field control of magnetism in Si ₃ N ₄ gated Pt/Co/Pt heterostructures. Journal of Applied Physics, 2019, 125, .	2.5	4

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145	Meronic Spin Textures in In-Plane-Magnetized Thin Films. <i>Physical Review Applied</i> , 2020, 14, .	3.8	4
146	Thin Films of Nanocrystalline Fe(pz)[Pt(CN) ₄] Deposited by Resonant Matrix-Assisted Pulsed Laser Evaporation. <i>Materials</i> , 2021, 14, 7135.	2.9	4
147	High Performance Doped Li-Rich Li _{1+x} Mn ₂ O ₄ Cathodes Nanoparticles Synthesized by Facile, Fast, and Efficient Microwave-Assisted Hydrothermal Route. <i>ACS Applied Energy Materials</i> , 2022, 5, 8357-8370.	5.1	4
148	Effect of strain on the magnetic anisotropy of Co in Cu/Co/Ni/Cu/Si[001] epitaxial structures. <i>IEEE Transactions on Magnetics</i> , 1999, 35, 3850-3852.	2.1	3
149	Fabrication and magnetic properties of prepatterned epitaxial nanodots. <i>Microelectronic Engineering</i> , 2002, 61-62, 593-600.	2.4	3
150	Spectroscopic Characterisation of Multiferroic Interfaces. <i>Springer Series in Materials Science</i> , 2018, , 245-281.	0.6	3
151	Domain Wall Spin Structures in 3d Metal Ferromagnetic Nanostructures. , 2008, , 281-293.		3
152	Nanoscale XPEEM Spectromicroscopy. , 2020, , 17-1-17-21.		3
153	Magneto-elastic and interface anisotropy of epitaxial Cu/Ni/Cu[001] sandwiches. <i>IEEE Transactions on Magnetics</i> , 1999, 35, 2973-2975.	2.1	2
154	Easy-axis transition in epitaxial face-centered-cubic Ni ₈₀ Fe ₂₀ /Ni/Cu(100). <i>Journal of Applied Physics</i> , 1999, 85, 4806-4808.	2.5	2
155	Mesoscopic FCC Co ring magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 249, 208-213.	2.3	2
156	Structure and magnetic properties of Ni/Cu/Fe/MgO(001) films. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 156002.	1.8	2
157	Electrostatic control of magnetism in all-oxide multiferroic heterostructures. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
158	ELECTRICAL-FIELD CONTROL OF MAGNETISM MEDIATED BY STRAIN IN Ni NANOSTRUCTURES FABRICATED ON PRE-POLED PMN-PT (011). <i>Spin</i> , 2013, 03, 1340008.	1.3	2
159	Anisotropy and domain formation in a dipolar magnetic metamaterial. <i>Applied Physics Letters</i> , 2021, 118, 202404.	3.3	2
160	Role of Dy on the magnetic properties of orthorhombic DyFeO_3 . <i>Physical Review Materials</i> , 2022, 6, .	2.4	2
161	Coercivity and Switching Field- Engineered Magnetic Multilayers for 3-D Patterned Media. <i>IEEE Transactions on Magnetics</i> , 2006, 42, 2957-2959.	2.1	1
162	Oscillatory interlayer coupling in bcc $\text{Co}_{75}\text{Fe}_{25}$ and fcc $\text{Au}/\text{Co}/\text{Au}$ multilayers. <i>Physical Review Letters</i> , 2006, 96, 177201.	3.2	1

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163	Magneto-electronics electric field control of magnetism in the solid state. Journal of Physics Condensed Matter, 2015, 27, 500301.	1.8	1
164	Single femtosecond laser pulse excitation of individual cobalt nanoparticles. Physical Review B, 2020, 102, .	3.2	1
165	Skyrmions in magnetic multilayers: chirality, electrical detection and current-induced motion. , 2017, , .		1
166	Ferroelectric Field Effect Control of Magnetism in Multiferroic Heterostructures. , 0, , .		1
167	Highly Efficient Spin Filtering of Ballistic Electrons in Hybrid Spin Valve/Semiconductor Structures. , 0, , .		0
168	Critical parameters for current-induced domain wall motion. , 2005, , .		0
169	Current induced modifications of domain wall. , 2005, , .		0
170	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