

Sebastiaan van Dijken

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179
papers

4,852
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194
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5,707
ext. citations

5.9
avg, IF

5.85
L-index

#	Paper	IF	Citations
179	Magneto-ionic control of interfacial magnetism. <i>Nature Materials</i> , 2015 , 14, 174-81	27	365
178	Electric-field control of magnetic domain wall motion and local magnetization reversal. <i>Scientific Reports</i> , 2012 , 2, 258	4.9	203
177	Pattern transfer and electric-field-induced magnetic domain formation in multiferroic heterostructures. <i>Advanced Materials</i> , 2011 , 23, 3187-91	24	124
176	Ultrasensitive and label-free molecular-level detection enabled by light phase control in magnetoplasmonic nanoantennas. <i>Nature Communications</i> , 2015 , 6, 6150	17.4	122
175	Direct observation of oxygen vacancy-driven structural and resistive phase transitions in LaSrMnO ₃ . <i>Nature Communications</i> , 2017 , 8, 14544	17.4	116
174	Room temperature operation of a high output current magnetic tunnel transistor. <i>Applied Physics Letters</i> , 2002 , 80, 3364-3366	3.4	97
173	Surface lattice resonances and magneto-optical response in magnetic nanoparticle arrays. <i>Nature Communications</i> , 2015 , 6, 7072	17.4	95
172	Spin-reorientation transition in Ni films on Cu(001): The influence of H ₂ adsorption. <i>Physical Review B</i> , 1999 , 60, 6277-6280	3.3	93
171	Steering-Enhanced Roughening during Metal Deposition at Grazing Incidence. <i>Physical Review Letters</i> , 1999 , 82, 4038-4041	7.4	92
170	Optical detection of hot-electron spin injection into GaAs from a magnetic tunnel transistor source. <i>Physical Review Letters</i> , 2003 , 90, 256603	7.4	87
169	Tuning the magneto-optical response of nanosize ferromagnetic Ni disks using the phase of localized plasmons. <i>Physical Review Letters</i> , 2013 , 111, 167401	7.4	84
168	Energy-Efficient Organic Ferroelectric Tunnel Junction Memristors for Neuromorphic Computing. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800795	6.4	80
167	Spin-dependent hot electron transport in Ni ₈₁ Fe ₁₉ and Co ₈₄ Fe ₁₆ films on GaAs(001). <i>Physical Review B</i> , 2002 , 66,	3.3	75
166	Pulsed laser deposition of La _{1-x} Sr _x MnO ₃ : thin-film properties and spintronic applications. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 034010	3	74
165	Tactile sensory coding and learning with bio-inspired optoelectronic spiking afferent nerves. <i>Nature Communications</i> , 2020 , 11, 1369	17.4	72
164	Emergent magnetic monopole dynamics in macroscopically degenerate artificial spin ice. <i>Science Advances</i> , 2019 , 5, eaav6380	14.3	70
163	The 2021 Magnonics Roadmap. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	69

162	Giant magnetocurrent exceeding 3400% in magnetic tunnel transistors with spin-valve base layers. <i>Applied Physics Letters</i> , 2003 , 83, 951-953	3.4	67
161	Influence of the deposition angle on the magnetic anisotropy in thin Co films on Cu(001). <i>Physical Review B</i> , 2001 , 63,	3.3	64
160	Exchange-torque-induced excitation of perpendicular standing spin waves in nanometer-thick YIG films. <i>Scientific Reports</i> , 2018 , 8, 5755	4.9	59
159	Resistive Switching in All-Oxide Ferroelectric Tunnel Junctions with Ionic Interfaces. <i>Advanced Materials</i> , 2016 , 28, 6852-9	2.4	59
158	Electron-beam-induced Perovskite-Brownmillerite-Perovskite structural phase transitions in epitaxial La _{2/3} Sr _{1/3} MnO ₃ films. <i>Advanced Materials</i> , 2014 , 26, 2789-93	2.4	56
157	Kinetic physical etching for versatile novel design of well ordered self-affine nanogrooves. <i>Physical Review Letters</i> , 2001 , 86, 4608-11	7.4	55
156	Electric-field switching of perpendicularly magnetized multilayers. <i>NPG Asia Materials</i> , 2015 , 7, e198-e199	3.3	52
155	Control of spin-wave transmission by a programmable domain wall. <i>Nature Communications</i> , 2018 , 9, 4853	17.4	51
154	Tunable short-wavelength spin wave excitation from pinned magnetic domain walls. <i>Scientific Reports</i> , 2016 , 6, 21330	4.9	49
153	The influence of CO and H ₂ adsorption on the spin reorientation transition in Ni/Cu(0 0 1). <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 210, 316-328	2.8	49
152	Grazing-incidence metal deposition: Pattern formation and slope selection. <i>Physical Review B</i> , 2000 , 61, 14047-14058	3.3	49
151	Correlation between perpendicular exchange bias and magnetic anisotropy in IrMn[CoPt] _n and [PtCo] _n /IrMn multilayers. <i>Journal of Applied Physics</i> , 2005 , 97, 063907	2.5	48
150	Annealing of CoFeB/MgO based single and double barrier magnetic tunnel junctions: Tunnel magnetoresistance, bias dependence, and output voltage. <i>Journal of Applied Physics</i> , 2009 , 105, 033916	2.5	47
149	Reversible Electric-Field-Driven Magnetic Domain-Wall Motion. <i>Physical Review X</i> , 2015 , 5,	9.1	44
148	Anisotropic Nanoantenna-Based Magnetoplasmonic Crystals for Highly Enhanced and Tunable Magneto-Optical Activity. <i>Nano Letters</i> , 2016 , 16, 2533-42	11.5	43
147	Influence of intermixing at the Ta/CoFeB interface on spin Hall angle in Ta/CoFeB/MgO heterostructures. <i>Scientific Reports</i> , 2017 , 7, 968	4.9	42
146	d ₀ ferromagnetic interface between nonmagnetic perovskites. <i>Physical Review Letters</i> , 2012 , 109, 127207	7.4	42
145	Structural, magnetic, and transport properties of Fe ₃ O ₄ Bi(111) and Fe ₃ O ₄ Bi(001). <i>Journal of Applied Physics</i> , 2007 , 101, 123903	2.5	42

144	Magnetoresistance sensor with an out-of-plane magnetized sensing layer. <i>Applied Physics Letters</i> , 2005 , 87, 022504	3.4	42
143	IrMn as exchange-biasing material in systems with perpendicular magnetic anisotropy. <i>Journal of Applied Physics</i> , 2005 , 97, 10K114	2.5	42
142	Role of Tunneling Matrix Elements in Determining the Magnitude of the Tunneling Spin Polarization of 3d Transition Metal Ferromagnetic Alloys. <i>Physical Review Letters</i> , 2005 , 94,	7.4	42
141	Magnetite Schottky barriers on GaAs substrates. <i>Applied Physics Letters</i> , 2005 , 86, 212108	3.4	41
140	Dependence of the Curie temperature on the Cu cover layer in xCu/Fe/Cu(001) sandwiches. <i>Physical Review B</i> , 2000 , 61, 1303-1310	3.3	41
139	Growth-induced uniaxial anisotropy in grazing-incidence deposited magnetic films. <i>Applied Physics Letters</i> , 2000 , 77, 2030-2032	3.4	41
138	Alternating domains with uniaxial and biaxial magnetic anisotropy in epitaxial Fe films on BaTiO ₃ . <i>Applied Physics Letters</i> , 2012 , 101, 262405	3.4	39
137	Thermodynamics of emergent magnetic charge screening in artificial spin ice. <i>Nature Communications</i> , 2016 , 7, 12635	17.4	35
136	Tunable Short-Wavelength Spin-Wave Emission and Confinement in Anisotropy-Modulated Multiferroic Heterostructures. <i>Physical Review Applied</i> , 2017 , 8,	4.3	35
135	Transport characteristics of magnetite thin films grown onto GaAs substrates. <i>Journal of Applied Physics</i> , 2004 , 95, 7465-7467	2.5	35
134	Low-loss YIG-based magnonic crystals with large tunable bandgaps. <i>Nature Communications</i> , 2018 , 9, 5445	17.4	35
133	Hybrid plasmonic lattices with tunable magneto-optical activity. <i>Optics Express</i> , 2016 , 24, 3652-62	3.3	34
132	Nonmonotonic bias voltage dependence of the magnetocurrent in GaAs-based magnetic tunnel transistors. <i>Physical Review Letters</i> , 2003 , 90, 197203	7.4	34
131	Zero-Field Spin Torque Oscillator Based on Magnetic Tunnel Junctions with a Tilted CoFeB Free Layer. <i>Applied Physics Express</i> , 2012 , 5, 063005	2.4	32
130	Influence of annealing on the bias voltage dependence of tunneling magnetoresistance in MgO double-barrier magnetic tunnel junctions with CoFeB electrodes. <i>Applied Physics Letters</i> , 2006 , 89, 162501	3.4	32
129	Polarizability and magnetoplasmonic properties of magnetic general nanoellipsoids. <i>Optics Express</i> , 2013 , 21, 9875-89	3.3	31
128	Giant moment and magnetic anisotropy in Co-doped ZnO films grown by pulse-injection metal organic chemical vapor deposition. <i>Applied Physics Letters</i> , 2006 , 89, 232503	3.4	31
127	Magnetic field sensor with voltage-tunable sensing properties. <i>Applied Physics Letters</i> , 2012 , 101, 192403	3.4	30

126	Field tuning of ferromagnetic domain walls on elastically coupled ferroelectric domain boundaries. <i>Physical Review B</i> , 2012 , 85,	3.3	30
125	Size-dependent scaling of perpendicular exchange bias in magnetic nanostructures. <i>Physical Review B</i> , 2007 , 75,	3.3	30
124	Hybrid Ni/SiO ₂ /Au dimer arrays for high-resolution refractive index sensing. <i>Nanophotonics</i> , 2018 , 7, 905-912	6.3	30
123	Long Spin Diffusion Length in Few-Layer Graphene Flakes. <i>Physical Review Letters</i> , 2016 , 117, 147201	7.4	29
122	Magnetization reversal and field annealing effects in perpendicular exchange-biased Co/Bt multilayers and spin valves with perpendicular magnetization. <i>Journal of Applied Physics</i> , 2006 , 99, 083901 ⁵	2.5	28
121	Comparison of magnetocurrent and transfer ratio in magnetic tunnel transistors with spin-valve bases containing Cu and Au spacer layers. <i>Applied Physics Letters</i> , 2003 , 82, 775-777	3.4	28
120	Nanoscale control of competing interactions and geometrical frustration in a dipolar trident lattice. <i>Nature Communications</i> , 2017 , 8, 995	17.4	27
119	Anomalous strong repulsive step-step interaction on slightly misoriented Si(113). <i>Physical Review B</i> , 1997 , 55, 7864-7867	3.3	27
118	Bioinspired multisensory neural network with crossmodal integration and recognition. <i>Nature Communications</i> , 2021 , 12, 1120	17.4	27
117	Lasing in Ni Nanodisk Arrays. <i>ACS Nano</i> , 2019 , 13, 5686-5692	16.7	25
116	Size dependence of domain pattern transfer in multiferroic heterostructures. <i>Physical Review Letters</i> , 2014 , 112, 017201	7.4	25
115	Temperature control of local magnetic anisotropy in multiferroic CoFe/BaTiO ₃ . <i>Applied Physics Letters</i> , 2013 , 102, 112406	3.4	25
114	Electrode Dependence of Tunneling Electroresistance and Switching Stability in Organic Ferroelectric P(VDF-TrFE)-Based Tunnel Junctions. <i>Advanced Functional Materials</i> , 2018 , 28, 1703273	15.6	25
113	Coherent piezoelectric strain transfer to thick epitaxial ferromagnetic films with large lattice mismatch. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 082205	1.8	24
112	Negative magnetoresistance in Fe ₃ O ₄ /Au spin valves. <i>Physical Review B</i> , 2004 , 70,	3.3	24
111	Spin waves in CoFeB on ferroelectric domains combining spin mechanics and magnonics. <i>Solid State Communications</i> , 2014 , 198, 13-17	1.6	23
110	Electrical Writing of Magnetic Domain Patterns in Ferromagnetic/Ferroelectric Heterostructures. <i>IEEE Transactions on Magnetism</i> , 2011 , 47, 3768-3771	2	23
109	Effects of a non-absorbing substrate on the magneto-optical Kerr response of plasmonic ferromagnetic nanodisks. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 1067-1075 ^{1.6}	1.6	22

108	Interlayer exchange coupling and current induced magnetization switching in magnetic tunnel junctions with MgO wedge barrier. <i>Journal of Applied Physics</i> , 2010 , 107, 093917	2.5	22
107	Thermally activated magnetization reversal in exchange-biased [Pt/Co] ₃ /Pt/Mn multilayers. <i>Physical Review B</i> , 2008 , 77,	3.3	22
106	Temperature dependence of spin-orbit torques in W/CoFeB bilayers. <i>Applied Physics Letters</i> , 2016 , 109, 062407	3.4	22
105	Metallic Contact between MoS and Ni via Au Nanogluue. <i>Small</i> , 2018 , 14, e1704526	11	20
104	Electric field driven magnetic domain wall motion in ferromagnetic-ferroelectric heterostructures. <i>Applied Physics Letters</i> , 2014 , 104, 012401	3.4	20
103	Roadmap on Spin-Wave Computing. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	20
102	Three ranges of the angular dependence of critical current of BaZrO ₃ doped YBa ₂ Cu ₃ O _{7-x} thin films grown at different temperatures. <i>Thin Solid Films</i> , 2014 , 562, 554-560	2.2	19
101	Influence of Interface Roughness, Film Texture, and Magnetic Anisotropy on Exchange Bias in $[\text{Pt/Co}]_3/\text{IrMn}$ and $[\text{IrMn}]/[\text{Co/Pt}]_3$ Multilayers. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 238-245	2	19
100	Magnetoresistance of Fe ₃ O ₄ /Au/Fe ₃ O ₄ and Fe ₃ O ₄ /Au/Fe spin-valve structures. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 280, 322-326	2.8	19
99	Propagating spin waves in nanometer-thick yttrium iron garnet films: Dependence on wave vector, magnetic field strength, and angle. <i>Physical Review B</i> , 2018 , 98,	3.3	19
98	Characterization of aluminum oxide tunnel barriers by combining transport measurements and transmission electron microscopy imaging. <i>Journal of Applied Physics</i> , 2014 , 116, 073702	2.5	18
97	Giant non-volatile magnetoelectric effects via growth anisotropy in Co ₄₀ Fe ₄₀ B ₂₀ films on PMN-PT substrates. <i>Applied Physics Letters</i> , 2019 , 114, 092401	3.4	17
96	Influence of MgO tunnel barrier thickness on spin-transfer ferromagnetic resonance and torque in magnetic tunnel junctions. <i>Physical Review B</i> , 2013 , 87,	3.3	17
95	Influence of the annealing field strength on exchange bias and magnetoresistance of spin valves with IrMn. <i>Journal of Applied Physics</i> , 2005 , 97, 093910	2.5	17
94	Bias voltage dependence of magnetocurrent in magnetic tunnel transistors. <i>Physical Review B</i> , 2004 , 69,	3.3	17
93	Magnetization reversal in perpendicular exchange-biased multilayers. <i>European Physical Journal B</i> , 2005 , 45, 191-195	1.2	17
92	Room-temperature perpendicular magnetic anisotropy of MgO/Fe/MgO ultrathin films. <i>Journal of Applied Physics</i> , 2013 , 114, 224307	2.5	16
91	Low-Temperature Dielectric Anisotropy Driven by an Antiferroelectric Mode in SrTiO ₃ . <i>Physical Review Letters</i> , 2018 , 120, 217601	7.4	16

90	Plasmon-induced demagnetization and magnetic switching in nickel nanoparticle arrays. <i>Applied Physics Letters</i> , 2018 , 112, 072406	3.4	15
89	Toward All-Oxide Magnetic Tunnel Junctions: Epitaxial Growth of SrRuO ₃ /CoFe ₂ O ₄ /La ₂ /3Sr ₁ /3MnO ₃ Trilayers. <i>Crystal Growth and Design</i> , 2012 , 12, 954-959	3.5	15
88	Epitaxial Ferroelectric Heterostructures with Nanocolumn-Enhanced Dynamic Properties. <i>Advanced Functional Materials</i> , 2013 , 23, 467-474	15.6	14
87	Temperature dependence of the Dzyaloshinskii-Moriya interaction in ultrathin films. <i>Physical Review B</i> , 2020 , 101,	3.3	13
86	Interband transitions in epitaxial ferroelectric films of NaNbO ₃ . <i>Physical Review B</i> , 2015 , 92,	3.3	13
85	Effects of Ga ⁺ ion implantation on the magnetoresistive properties of spin valves. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 124-126	2.8	13
84	Driven gyrotropic skyrmion motion through steps in magnetic anisotropy. <i>Scientific Reports</i> , 2019 , 9, 6525	4.9	12
83	Magnetic circular dichroism of non-local surface lattice resonances in magnetic nanoparticle arrays. <i>Optics Express</i> , 2016 , 24, 3562-71	3.3	12
82	Correlation between exchange bias dynamics and magnetization reversal asymmetry in [PtCo] ₃ BtMn multilayers. <i>Applied Physics Letters</i> , 2007 , 90, 082501	3.4	12
81	Nanoscale magnonic Fabry-Pérot resonator for low-loss spin-wave manipulation. <i>Nature Communications</i> , 2021 , 12, 2293	17.4	12
80	COMPARATIVE STUDY OF SPIN INJECTION AND TRANSPORT IN Alq ₃ AND CoPHthalocyanine-BASED ORGANIC SPIN VALVES. <i>Spin</i> , 2014 , 04, 1440009	1.3	11
79	Energetics and Structure of the Stable and Unstable Biatomic Step Edges of Si(100). <i>Surface Review and Letters</i> , 1998 , 05, 15-20	1.1	11
78	Electric-Field Control of Propagating Spin Waves by Ferroelectric Domain-Wall Motion in a Multiferroic Heterostructure. <i>Advanced Materials</i> , 2021 , 33, e2100646	24	11
77	Effect of epitaxy on interband transitions in ferroelectric KNbO ₃ . <i>New Journal of Physics</i> , 2015 , 17, 043048	3.8	10
76	Electronic and magnetic characterization of epitaxial VSe ₂ monolayers on superconducting NbSe ₂ . <i>Communications Physics</i> , 2020 , 3,	5.4	10
75	Tunable magnetoplasmonics in lattices of Ni/SiO ₂ /Au dimers. <i>Scientific Reports</i> , 2019 , 9, 9907	4.9	10
74	Concurrent bandgap narrowing and polarization enhancement in epitaxial ferroelectric nanofilms. <i>Science and Technology of Advanced Materials</i> , 2015 , 16, 026002	7.1	10
73	The Angular Dependence of the Critical Current of BaCeO_3 Doped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ Thin Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-5	1.8	10

72	Ferroelectric parallel-plate capacitors with copper electrodes for high-frequency applications. <i>Applied Physics Letters</i> , 2007 , 91, 252902	3.4	10
71	Electric-field tunable spin diode FMR in patterned PMN-PT/NiFe structures. <i>Applied Physics Letters</i> , 2016 , 109, 072406	3.4	10
70	Influence of elastically pinned magnetic domain walls on magnetization reversal in multiferroic heterostructures. <i>Physical Review B</i> , 2015 , 92,	3.3	9
69	Influence of buffer layers on the texture and magnetic properties of Co/Pt multilayers with perpendicular anisotropy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007 , 204, 3950-3953 ¹⁶	3.3	9
68	Magnetization reversal in exchange biased nanocap arrays. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 3005-3010	3	9
67	Magnetization dynamics of perpendicular exchange-biased (Pt/Co)-Pt-IrMn multilayers studied by MOKE microscopy and magnetometry. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 48-52		9
66	Asymmetric magnetization reversal in exchange-biased Co/Pt multilayers. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 169-173	1.3	9
65	IV asymmetry and magnetoresistance in nickel nanoconstrictions. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1571-1572	2.8	9
64	Dipolar Cairo lattice: Geometrical frustration and short-range correlations. <i>Physical Review Materials</i> , 2019 , 3,	3.2	9
63	Electric-field-induced avalanches and glassiness of mobile ferroelastic twin domains in cryogenic SrTiO ₃ . <i>Physical Review Research</i> , 2019 , 1,	3.9	9
62	Electronic and Magnetic Characterization of Epitaxial CrBr Monolayers on a Superconducting Substrate. <i>Advanced Materials</i> , 2021 , 33, e2006850	24	9
61	Magnetoplasmonic properties of perpendicularly magnetized [Co/Pt]N nanodots. <i>Physical Review B</i> , 2020 , 101,	3.3	8
60	Mimicking Neurotransmitter Release and Long-Term Plasticity by Oxygen Vacancy Migration in a Tunnel Junction Memristor. <i>Advanced Intelligent Systems</i> , 2019 , 1, 1900036	6	8
59	MgO-based double barrier magnetic tunnel junctions with thin free layers. <i>Journal of Applied Physics</i> , 2009 , 105, 07C926	2.5	8
58	Influence of the seed layer on structural and electro-acoustic properties of sputter-deposited AlN resonators. <i>Thin Solid Films</i> , 2009 , 517, 6588-6592	2.2	8
57	Direct determination of the step-edge formation energies of the energetically stable and unstable double-layer step edges of Si(001). <i>Physical Review B</i> , 1996 , 53, 15429-15431	3.3	8
56	Surface-plasmon-polariton-driven narrow-linewidth magneto-optics in Ni nanodisk arrays. <i>Nanophotonics</i> , 2019 , 9, 113-121	6.3	8
55	. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-57	2	8

54	Tuning magnetic ordering in a dipolar square-kite tessellation. <i>Applied Physics Letters</i> , 2018 , 112, 092403	3.4	7
53	Tunable magnetic properties of monoatomic metal-oxide Fe/MgO multilayers. <i>Physical Review B</i> , 2014 , 90,	3.3	7
52	Anomalous magnetic field effects during pulsed injection metal-organic chemical vapor deposition of magnetite films. <i>Applied Physics Letters</i> , 2010 , 96, 172502	3.4	7
51	Structural and magnetic properties of Co-doped ZnO films grown by pulse-injection MOCVD. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e203-e206	2.8	7
50	Electric-field-driven dynamics of magnetic domain walls in magnetic nanowires patterned on ferroelectric domains. <i>New Journal of Physics</i> , 2016 , 18, 033027	2.9	7
49	Dirty limit scattering behind the decreased anisotropy of doped YBa ₂ Cu ₃ O _{7-x} thin films. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 175702	1.8	7
48	Electric-field-driven domain wall dynamics in perpendicularly magnetized multilayers. <i>AIP Advances</i> , 2017 , 7, 035119	1.5	6
47	Converting an Organic Light-Emitting Diode from Blue to White with Bragg Modes. <i>ACS Photonics</i> , 2019 , 6, 2655-2662	6.3	6
46	Backhopping effect in magnetic tunnel junctions: Comparison between theory and experiment. <i>Journal of Applied Physics</i> , 2013 , 114, 233905	2.5	6
45	Magneto-optical Kerr effect susceptometer for the analysis of magnetic domain wall dynamics. <i>Review of Scientific Instruments</i> , 2011 , 82, 103901	1.7	6
44	Exchange bias energy in Co/Pt/IrMn multilayers with perpendicular and in-plane anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, 151-154	2.8	6
43	Elevated effective dimension in tree-like nanomagnetic Cayley structures. <i>Nanoscale</i> , 2020 , 12, 189-194	7.7	6
42	The influence of nonmagnetic seed layers on the magnetotransport properties of magnetic tunnel transistors with a silicon collector. <i>Journal of Applied Physics</i> , 2005 , 97, 043712	2.5	5
41	Voltage control of skyrmions: Creation, annihilation, and zero-magnetic field stabilization. <i>Applied Physics Letters</i> , 2021 , 118, 172409	3.4	5
40	Unconventional Ferroelectric Switching via Local Domain Wall Motion in Multiferroic Fe ₂ O ₃ Films. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901134	6.4	5
39	Crossover from synaptic to neuronal functionalities through carrier concentration control in Nb-doped SrTiO ₃ -based organic ferroelectric tunnel junctions. <i>APL Materials</i> , 2019 , 7, 091114	5.7	4
38	Influence of the Plasmonic Nanodisk Positions Inside a Magnetic Medium on the Faraday Effect Enhancement. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 1900682	2.5	4
37	Field sweep rate dynamics in magnetic tunnel junctions. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 296, 118-123	2.8	4

36	Perpendicular exchange bias in nickel/antiferromagnetic bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 1290-1293	2.8	4
35	Geometrical Frustration and Planar Triangular Antiferromagnetism in Quasi-Three-Dimensional Artificial Spin Architecture. <i>Physical Review Letters</i> , 2020 , 125, 267203	7.4	4
34	Reconfigurable magnetic logic based on the energetics of pinned domain walls. <i>Applied Physics Letters</i> , 2016 , 108, 032402	3.4	4
33	Tunnelling anisotropic magnetoresistance at La _{0.67} Sr _{0.33} MnO ₃ -graphene interfaces. <i>Applied Physics Letters</i> , 2016 , 108, 112405	3.4	4
32	Structural Phase Transitions to 2D and 3D Oxygen Vacancy Patterns in a Perovskite Film Induced by Electrical and Mechanical Nanoprobng. <i>Small</i> , 2021 , 17, e2006273	11	4
31	Chemical-bond effect on epitaxial strain in perovskite sodium niobate. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 4263-4268	3.6	3
30	Tsu-Esaki modeling of tunneling currents in ferroelectric tunnel junctions. <i>Journal of Applied Physics</i> , 2017 , 122, 234301	2.5	3
29	Effects of doping and epitaxy on optical behavior of NaNbO ₃ films. <i>Applied Physics Letters</i> , 2015 , 107, 172906	3.4	3
28	Nanostructures for Spin Electronics 2006 , 403-460		3
27	Structural characterization of base/collector interfaces for magnetic tunnel transistors grown on Si(001). <i>Journal of Applied Physics</i> , 2005 , 97, 104514	2.5	3
26	Optically controlled large-coercivity room-temperature thin-film magnets. <i>Journal of Materials Chemistry C</i> , 2021 , 10, 294-300	7.1	3
25	Reversible thermal strain control of oxygen vacancy ordering in an epitaxial La _{0.5} Sr _{0.5} CoO ₃ film. <i>Physical Review Materials</i> , 2020 , 4,	3.2	3
24	Nanometer-thick YIG-based magnonic crystals: Bandgap dependence on groove depth, lattice constant, and film thickness. <i>Applied Physics Letters</i> , 2020 , 116, 202403	3.4	3
23	Structural and magnetic properties of pulsed laser deposited SrRuO ₃ /CoFe ₂ O ₄ /La _{2/3} Sr _{1/3} MnO ₃ magnetic oxide heterostructures on SrTiO ₃ (001) and MgO(001). <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 110, 889-894	2.6	2
22	In-situ coated nanomagnets. <i>Powder Technology</i> , 2013 , 233, 15-21	5.2	2
21	Response to Comment on Giant magnetocurrent exceeding 3400% in magnetic tunnel transistors with spin-valve base layers [Appl. Phys. Lett. 84, 4337 (2004)]. <i>Applied Physics Letters</i> , 2004 , 84, 4339-4340	2.4	2
20	Magneto-optical study of anomalous magnetization reversal in the presence of anisotropy dispersion in CoPd thin films. <i>Physical Review B</i> , 2018 , 98,	3.3	2
19	Direct observation of a dynamical glass transition in a nanomagnetic artificial Hopfield network. <i>Nature Physics</i> ,	16.2	2

18	Lithium-Ion Battery Technology for Voltage Control of Perpendicular Magnetization. <i>Advanced Functional Materials</i> , 2113118	15.6	2
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