

# Sebastiaan van Dijken

## List of Publications by Year in descending order

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186  
papers

6,629  
citations

53660

45  
h-index

79541

73  
g-index

194  
all docs

194  
docs citations

194  
times ranked

6714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magneto-ionic control of interfacial magnetism. <i>Nature Materials</i> , 2015, 14, 174-181.	13.3	444
2	The 2021 Magnonics Roadmap. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 413001.	0.7	287
3	Electric-field control of magnetic domain wall motion and local magnetization reversal. <i>Scientific Reports</i> , 2012, 2, 258.	1.6	224
4	Advances in Magnetics Roadmap on Spin-Wave Computing. <i>IEEE Transactions on Magnetics</i> , 2022, 58, 1-72.	1.2	179
5	Ultrasensitive and label-free molecular-level detection enabled by light phase control in magnetoplasmonic nanoantennas. <i>Nature Communications</i> , 2015, 6, 6150.	5.8	172
6	Direct observation of oxygen vacancy-driven structural and resistive phase transitions in $\text{La}_2/3\text{Sr}_{1/3}\text{MnO}_3$ . <i>Nature Communications</i> , 2017, 8, 14544.	5.8	149
7	Energy-efficient Organic Ferroelectric Tunnel Junction Memristors for Neuromorphic Computing. <i>Advanced Electronic Materials</i> , 2019, 5, 1800795.	2.6	144
8	Pattern Transfer and Electric-field-induced Magnetic Domain Formation in Multiferroic Heterostructures. <i>Advanced Materials</i> , 2011, 23, 3187-3191.	11.1	142
9	Tactile sensory coding and learning with bio-inspired optoelectronic spiking afferent nerves. <i>Nature Communications</i> , 2020, 11, 1369.	5.8	141
10	Surface lattice resonances and magneto-optical response in magnetic nanoparticle arrays. <i>Nature Communications</i> , 2015, 6, 7072.	5.8	126
11	Tuning the Magneto-Optical Response of Nanosize Ferromagnetic Ni Disks Using the Phase of Localized Plasmons. <i>Physical Review Letters</i> , 2013, 111, 167401.	2.9	111
12	Room temperature operation of a high output current magnetic tunnel transistor. <i>Applied Physics Letters</i> , 2002, 80, 3364-3366.	1.5	109
13	Emergent magnetic monopole dynamics in macroscopically degenerate artificial spin ice. <i>Science Advances</i> , 2019, 5, eaav6380.	4.7	108
14	Steering-Enhanced Roughening during Metal Deposition at Grazing Incidence. <i>Physical Review Letters</i> , 1999, 82, 4038-4041.	2.9	100
15	Spin-reorientation transition in Ni films on Cu(001): The influence of $\text{H}_2$ adsorption. <i>Physical Review B</i> , 1999, 60, 6277-6280.	1.1	100
16	Optical Detection of Hot-Electron Spin Injection into GaAs from a Magnetic Tunnel Transistor Source. <i>Physical Review Letters</i> , 2003, 90, 256603.	2.9	97
17	Pulsed laser deposition of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ : thin-film properties and spintronic applications. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 034010.	1.3	94
18	Bioinspired multisensory neural network with crossmodal integration and recognition. <i>Nature Communications</i> , 2021, 12, 1120.	5.8	94

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19	Exchange-torque-induced excitation of perpendicular standing spin waves in nanometer-thick YIG films. <i>Scientific Reports</i> , 2018, 8, 5755.	1.6	87
20	Spin-dependent hot electron transport in Ni <sub>81</sub> Fe <sub>19</sub> and Co <sub>84</sub> Fe <sub>16</sub> films on GaAs(001). <i>Physical Review B</i> , 2002, 66, .	1.1	83
21	Control of spin-wave transmission by a programmable domain wall. <i>Nature Communications</i> , 2018, 9, 4853.	5.8	82
22	Giant magnetocurrent exceeding 3400% in magnetic tunnel transistors with spin-valve base layers. <i>Applied Physics Letters</i> , 2003, 83, 951-953.	1.5	76
23	Resistive Switching in All-Oxide Ferroelectric Tunnel Junctions with Ionic Interfaces. <i>Advanced Materials</i> , 2016, 28, 6852-6859.	11.1	75
24	Electron-Beam-Induced Perovskite-to-Brownmillerite Perovskite Structural Phase Transitions in Epitaxial La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> Films. <i>Advanced Materials</i> , 2014, 26, 2789-2793.	11.1	73
25	Influence of the deposition angle on the magnetic anisotropy in thin Co films on Cu(001). <i>Physical Review B</i> , 2001, 63, .	1.1	67
26	Anisotropic Nanoantenna-Based Magnetoplasmonic Crystals for Highly Enhanced and Tunable Magneto-Optical Activity. <i>Nano Letters</i> , 2016, 16, 2533-2542.	4.5	67
27	Electric-field switching of perpendicularly magnetized multilayers. <i>NPG Asia Materials</i> , 2015, 7, e198-e198.	3.8	65
28	Tunable short-wavelength spin wave excitation from pinned magnetic domain walls. <i>Scientific Reports</i> , 2016, 6, 21330.	1.6	63
29	Reversible Electric-Field-Driven Magnetic Domain-Wall Motion. <i>Physical Review X</i> , 2015, 5, .	2.8	58
30	Influence of intermixing at the Ta/CoFeB interface on spin Hall angle in Ta/CoFeB/MgO heterostructures. <i>Scientific Reports</i> , 2017, 7, 968.	1.6	58
31	Kinetic Physical Etching for Versatile Novel Design of Well Ordered Self-Affine Nanogrooves. <i>Physical Review Letters</i> , 2001, 86, 4608-4611.	2.9	56
32	The influence of CO and H <sub>2</sub> adsorption on the spin reorientation transition in Ni/Cu(001). <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 210, 316-328.	1.0	53
33	Nanoscale magnonic Fabry-Pérot resonator for low-loss spin-wave manipulation. <i>Nature Communications</i> , 2021, 12, 2293.	5.8	53
34	Correlation between perpendicular exchange bias and magnetic anisotropy in IrMn <sub>n</sub> [Co <sub>n</sub> Pt] <sub>n</sub> and [Pt <sub>n</sub> Co] <sub>n</sub> IrMn multilayers. <i>Journal of Applied Physics</i> , 2005, 97, 063907.	1.1	52
35	Grazing-incidence metal deposition: Pattern formation and slope selection. <i>Physical Review B</i> , 2000, 61, 14047-14058.	1.1	50
36	Low-loss YIG-based magnonic crystals with large tunable bandgaps. <i>Nature Communications</i> , 2018, 9, 5445.	5.8	50

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37	Magnetoresistance sensor with an out-of-plane magnetized sensing layer. Applied Physics Letters, 2005, 87, 022504.	1.5	49
38	Dependence of the Curie temperature on the Cu cover layer in $\text{Cu}/\text{Fe}/\text{Cu}(001)$ sandwiches. Physical Review B, 2000, 61, 1303-1310.	1.1	48
39	Annealing of CoFeB/MgO based single and double barrier magnetic tunnel junctions: Tunnel magnetoresistance, bias dependence, and output voltage. Journal of Applied Physics, 2009, 105, .	1.1	48
40	Hybrid Ni/SiO <sub>2</sub> /Au dimer arrays for high-resolution refractive index sensing. Nanophotonics, 2018, 7, 905-912.	2.9	48
41	Alternating domains with uniaxial and biaxial magnetic anisotropy in epitaxial Fe films on BaTiO <sub>3</sub> . Applied Physics Letters, 2012, 101, .	1.5	47
42	Tunable Short-Wavelength Spin-Wave Emission and Confinement in Anisotropy-Modulated Multiferroic Heterostructures. Physical Review Applied, 2017, 8, .	1.5	47
43	IrMn as exchange-biasing material in systems with perpendicular magnetic anisotropy. Journal of Applied Physics, 2005, 97, 10K114.	1.1	45
44	Structural, magnetic, and transport properties of $\text{Fe}_3\text{O}_4/\text{Si}(111)$ and $\text{Fe}_3\text{O}_4/\text{Si}(001)$ . Journal of Applied Physics, 2007, 101, 123903.	1.1	45
45	d <sub>0</sub> Ferromagnetic Interface between Nonmagnetic Perovskites. Physical Review Letters, 2012, 109, 127207.	2.9	45
46	Role of Tunneling Matrix Elements in Determining the Magnitude of the Tunneling Spin Polarization of 3d Transition Metal Ferromagnetic Alloys. Physical Review Letters, 2005, 94, .	2.9	44
47	Thermodynamics of emergent magnetic charge screening in artificial spin ice. Nature Communications, 2016, 7, 12635.	5.8	43
48	Roadmap on Magnetoelectric Materials and Devices. IEEE Transactions on Magnetics, 2021, 57, 1-57.	1.2	43
49	Growth-induced uniaxial anisotropy in grazing-incidence deposited magnetic films. Applied Physics Letters, 2000, 77, 2030-2032.	1.5	42
50	Magnetite Schottky barriers on GaAs substrates. Applied Physics Letters, 2005, 86, 212108.	1.5	42
51	Hybrid plasmonic lattices with tunable magneto-optical activity. Optics Express, 2016, 24, 3652.	1.7	40
52	Lasing in Ni Nanodisk Arrays. ACS Nano, 2019, 13, 5686-5692.	7.3	40
53	Nonmonotonic Bias Voltage Dependence of the Magnetocurrent in GaAs-Based Magnetic Tunnel Transistors. Physical Review Letters, 2003, 90, 197203.	2.9	39
54	Propagating spin waves in nanometer-thick yttrium iron garnet films: Dependence on wave vector, magnetic field strength, and angle. Physical Review B, 2018, 98, .	1.1	39

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55	Electrode Dependence of Tunneling Electroresistance and Switching Stability in Organic Ferroelectric P(VDF $\text{\AA}$ TrFE) $\text{\AA}$ -Based Tunnel Junctions. <i>Advanced Functional Materials</i> , 2018, 28, 1703273.	7.8	38
56	Electronic and Magnetic Characterization of Epitaxial CrBr <sub>3</sub> Monolayers on a Superconducting Substrate. <i>Advanced Materials</i> , 2021, 33, e2006850.	11.1	38
57	Transport characteristics of magnetite thin films grown onto GaAs substrates. <i>Journal of Applied Physics</i> , 2004, 95, 7465-7467.	1.1	37
58	Long Spin Diffusion Length in Few-Layer Graphene Flakes. <i>Physical Review Letters</i> , 2016, 117, 147201.	2.9	37
59	Zero-Field Spin Torque Oscillator Based on Magnetic Tunnel Junctions with a Tilted CoFeB Free Layer. <i>Applied Physics Express</i> , 2012, 5, 063005.	1.1	35
60	Field tuning of ferromagnetic domain walls on elastically coupled ferroelectric domain boundaries. <i>Physical Review B</i> , 2012, 85, .	1.1	35
61	Polarizability and magnetoplasmonic properties of magnetic general nanoellipsoids. <i>Optics Express</i> , 2013, 21, 9875.	1.7	34
62	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.	1.5	33
63	Size-dependent scaling of perpendicular exchange bias in magnetic nanostructures. <i>Physical Review B</i> , 2007, 75, .	1.1	33
64	Magnetic field sensor with voltage-tunable sensing properties. <i>Applied Physics Letters</i> , 2012, 101, 192401.	1.5	33
65	Metallic Contact between MoS <sub>2</sub> and Ni via Au Nanoglue. <i>Small</i> , 2018, 14, e1704526.	5.2	32
66	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.	1.5	31
67	Size Dependence of Domain Pattern Transfer in Multiferroic Heterostructures. <i>Physical Review Letters</i> , 2014, 112, 017201.	2.9	31
68	Nanoscale control of competing interactions and geometrical frustration in a dipolar trident lattice. <i>Nature Communications</i> , 2017, 8, 995.	5.8	31
69	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.	1.5	30
70	Temperature control of local magnetic anisotropy in multiferroic CoFe/BaTiO <sub>3</sub> . <i>Applied Physics Letters</i> , 2013, 102, .	1.5	30
71	Temperature dependence of the Dzyaloshinskii-Moriya interaction in ultrathin films. <i>Physical Review B</i> , 2020, 101, .	1.1	29
72	Anomalous strong repulsive step-step interaction on slightly misoriented Si(113). <i>Physical Review B</i> , 1997, 55, 7864-7867.	1.1	28

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73	Magnetization reversal and field annealing effects in perpendicular exchange-biased Co/Pt multilayers and spin valves with perpendicular magnetization. Journal of Applied Physics, 2006, 99, 083901.	1.1	28
74	Spin waves in CoFeB on ferroelectric domains combining spin mechanics and magnonics. Solid State Communications, 2014, 198, 13-17.	0.9	28
75	Coherent piezoelectric strain transfer to thick epitaxial ferromagnetic films with large lattice mismatch. Journal of Physics Condensed Matter, 2013, 25, 082205.	0.7	26
76	Giant non-volatile magnetoelectric effects via growth anisotropy in Co <sub>40</sub> Fe <sub>40</sub> B <sub>20</sub> films on PMN-PT substrates. Applied Physics Letters, 2019, 114, .	1.5	26
77	Negative magnetoresistance in Fe <sub>3</sub> O <sub>4</sub> /Au spin valves. Physical Review B, 2004, 70, .	1.1	25
78	Thermally activated magnetization reversal in exchange-biased $\text{Pt}/\text{Co}/\text{Pt}$ multilayers. Applied Physics Letters, 2010, 96, 082501.	1.1	25
79	Interlayer exchange coupling and current induced magnetization switching in magnetic tunnel junctions with MgO wedge barrier. Journal of Applied Physics, 2010, 107, 093917.	1.1	25
80	Electrical Writing of Magnetic Domain Patterns in Ferromagnetic/Ferroelectric Heterostructures. IEEE Transactions on Magnetics, 2011, 47, 3768-3771.	1.2	25
81	Temperature dependence of spin-orbit torques in W/CoFeB bilayers. Applied Physics Letters, 2016, 109, .	1.5	25
82	Electric Field Control of Propagating Spin Waves by Ferroelectric Domain Wall Motion in a Multiferroic Heterostructure. Advanced Materials, 2021, 33, e2100646.	11.1	25
83	Electronic and magnetic characterization of epitaxial VSe <sub>2</sub> monolayers on superconducting NbSe <sub>2</sub> . Communications Physics, 2020, 3, .	2.0	24
84	Effects of a non-absorbing substrate on the magneto-optical Kerr response of plasmonic ferromagnetic nanodisks. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1067-1075.	0.8	23
85	Characterization of aluminum oxide tunnel barriers by combining transport measurements and transmission electron microscopy imaging. Journal of Applied Physics, 2014, 116, .	1.1	22
86	Room-temperature perpendicular magnetic anisotropy of MgO/Fe/MgO ultrathin films. Journal of Applied Physics, 2013, 114, .	1.1	21
87	Electric field driven magnetic domain wall motion in ferromagnetic-ferroelectric heterostructures. Applied Physics Letters, 2014, 104, .	1.5	21
88	Three ranges of the angular dependence of critical current of BaZrO <sub>3</sub> doped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> thin films grown at different temperatures. Thin Solid Films, 2014, 562, 554-560.	0.8	21
89	Magnetoresistance of Fe <sub>3</sub> O <sub>4</sub> /Au/Fe <sub>3</sub> O <sub>4</sub> and Fe <sub>3</sub> O <sub>4</sub> /Au/Fe spin-valve structures. Journal of Magnetism and Magnetic Materials, 2004, 280, 322-326.	1.0	20
90	Influence of Interface Roughness, Film Texture, and Magnetic Anisotropy on Exchange Bias in $\text{Pt}/\text{Co}/\text{IrMn}$ and $\text{IrMn}/\text{Co}/\text{Pt}$ Multilayers. IEEE Transactions on Magnetics, 2008, 44, 238-245.	1.2	20

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91	Influence of MgO tunnel barrier thickness on spin-transfer ferromagnetic resonance and torque in magnetic tunnel junctions. <i>Physical Review B</i> , 2013, 87, .	1.1	20
92	Bias voltage dependence of magnetocurrent in magnetic tunnel transistors. <i>Physical Review B</i> , 2004, 69, .	1.1	19
93	Low-Temperature Dielectric Anisotropy Driven by an Antiferroelectric Mode in $\text{SrTiO}_3$ . <i>Physical Review Letters</i> , 2018, 120, 217601.	2.9	19
94	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.	1.1	18
95	Driven gyrotropic skyrmion motion through steps in magnetic anisotropy. <i>Scientific Reports</i> , 2019, 9, 6525.	1.6	18
96	Magnetic on/off switching of a plasmonic laser. <i>Nature Photonics</i> , 2022, 16, 27-32.	15.6	18
97	Magnetization reversal in perpendicular exchange-biased multilayers. <i>European Physical Journal B</i> , 2005, 45, 191-195.	0.6	17
98	Plasmon-induced demagnetization and magnetic switching in nickel nanoparticle arrays. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	17
99	Mimicking Neurotransmitter Release and Long-Term Plasticity by Oxygen Vacancy Migration in a Tunnel Junction Memristor. <i>Advanced Intelligent Systems</i> , 2019, 1, 1900036.	3.3	17
100	Direct observation of a dynamical glass transition in a nanomagnetic artificial Hopfield network. <i>Nature Physics</i> , 2022, 18, 517-521.	6.5	17
101	Crossover from synaptic to neuronal functionalities through carrier concentration control in Nb-doped SrTiO <sub>3</sub> -based organic ferroelectric tunnel junctions. <i>APL Materials</i> , 2019, 7, 091114.	2.2	16
102	Dipolar Cairo lattice: Geometrical frustration and short-range correlations. <i>Physical Review Materials</i> , 2019, 3, .	0.9	16
103	Electric-field-induced avalanches and glassiness of mobile ferroelastic twin domains in cryogenic SrTiO <sub>3</sub> . <i>Physical Review Research</i> , 2019, 1, .	1.3	16
104	Toward All-Oxide Magnetic Tunnel Junctions: Epitaxial Growth of SrRuO <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> /La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> Trilayers. <i>Crystal Growth and Design</i> , 2012, 12, 954-959.		15
105	Epitaxial Ferroelectric Heterostructures with Nanocolumn-Enhanced Dynamic Properties. <i>Advanced Functional Materials</i> , 2013, 23, 467-474.	7.8	15
106	Magnetoplasmonic properties of perpendicularly magnetized [Co/Pt]N nanodots. <i>Physical Review B</i> , 2020, 101, .	1.1	15
107	Energetics and Structure of the Stable and Unstable Biatomic Step Edges of Si(100). <i>Surface Review and Letters</i> , 1998, 05, 15-20.	0.5	14
108	Magnetic circular dichroism of non-local surface lattice resonances in magnetic nanoparticle arrays. <i>Optics Express</i> , 2016, 24, 3562.	1.7	14

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109	Tunable magnetoplasmonics in lattices of Ni/SiO <sub>2</sub> /Au dimers. Scientific Reports, 2019, 9, 9907.	1.6	14
110	Voltage control of skyrmions: Creation, annihilation, and zero-magnetic field stabilization. Applied Physics Letters, 2021, 118, .	1.5	14
111	Effects of Ga <sup>+</sup> ion implantation on the magnetoresistive properties of spin valves. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 124-126.	1.0	13
112	Correlation between exchange bias dynamics and magnetization reversal asymmetry in [Pt <sup>4+</sup> •Co]3 <sup>4+</sup> •Pt <sup>4+</sup> •IrMn multilayers. Applied Physics Letters, 2007, 90, 082501.	1.5	13
113	Interband transitions in epitaxial ferroelectric films of $\text{NaNbO}_3$ . Physical Review B, 2015, 92, .	1.1	13
114	Ferroelectric parallel-plate capacitors with copper electrodes for high-frequency applications. Applied Physics Letters, 2007, 91, 252902.	1.5	12
115	Influence of elastically pinned magnetic domain walls on magnetization reversal in multiferroic heterostructures. Physical Review B, 2015, 92, .	1.1	12
116	Converting an Organic Light-Emitting Diode from Blue to White with Bragg Modes. ACS Photonics, 2019, 6, 2655-2662.	3.2	12
117	Influence of buffer layers on the texture and magnetic properties of Co/Pt multilayers with perpendicular anisotropy. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 3950-3953.	0.8	11
118	COMPARATIVE STUDY OF SPIN INJECTION AND TRANSPORT IN $\text{Alq}_3$ AND $\text{Co}^{\text{PHTHALOCYANINE}}$ -BASED ORGANIC SPIN VALVES. Spin, 2014, 04, 1440009.	0.6	11
119	Effect of epitaxy on interband transitions in ferroelectric $\text{KNbO}_3$ . New Journal of Physics, 2015, 17, 043048.	1.2	11
120	Electric-field tunable spin diode FMR in patterned PMN-PT/NiFe structures. Applied Physics Letters, 2016, 109, 072406.	1.5	11
121	Surface-plasmon-polariton-driven narrow-linewidth magneto-optics in Ni nanodisk arrays. Nanophotonics, 2020, 9, 113-121.	2.9	11
122	Elevated effective dimension in tree-like nanomagnetic Cayley structures. Nanoscale, 2020, 12, 189-194.	2.8	11
123	Unconventional Ferroelectric Switching via Local Domain Wall Motion in Multiferroic $\text{Fe}_2\text{O}_3$ Films. Advanced Electronic Materials, 2020, 6, 1901134.	2.6	11
124	Lithium-ion Battery Technology for Voltage Control of Perpendicular Magnetization. Advanced Functional Materials, 2022, 32, .	7.8	11
125	Magnetization dynamics of perpendicular exchange-biased (Pt/Co)-Pt-IrMn multilayers studied by MOKE microscopy and magnetometry. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 48-52.	0.8	10
126	Asymmetric magnetization reversal in exchange-biased Co/Pt multilayers. Physica Status Solidi (B): Basic Research, 2006, 243, 169-173.	0.7	10



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127	Magnetization reversal in exchange biased nanocap arrays. Journal Physics D: Applied Physics, 2007, 40, 3005-3010.	1.3	10
128	Influence of the seed layer on structural and electro-acoustic properties of sputter-deposited AlN resonators. Thin Solid Films, 2009, 517, 6588-6592.	0.8	10
129	Concurrent bandgap narrowing and polarization enhancement in epitaxial ferroelectric nanofilms. Science and Technology of Advanced Materials, 2015, 16, 026002.	2.8	10
130	The Angular Dependence of the Critical Current of $\text{BaCeO}_3$ Doped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ Thin Films. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	10
131	Electric-field-driven domain wall dynamics in perpendicularly magnetized multilayers. AIP Advances, 2017, 7, 035119.	0.6	10
132	Tuning magnetic ordering in a dipolar square-kite tessellation. Applied Physics Letters, 2018, 112, .	1.5	10
133	$\pi$ asymmetry and magnetoresistance in nickel nanoconstrictions. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1571-1572.	1.0	9
134	Dirty limit scattering behind the decreased anisotropy of doped $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ thin films. Journal of Physics Condensed Matter, 2016, 28, 175702.	0.7	9
135	Structural Phase Transitions to 2D and 3D Oxygen Vacancy Patterns in a Perovskite Film Induced by Electrical and Mechanical Nanoprobng. Small, 2021, 17, 2006273.	5.2	9
136	Direct determination of the step-edge formation energies of the energetically stable and unstable double-layer step edges of Si(001). Physical Review B, 1996, 53, 15429-15431.	1.1	8
137	MgO-based double barrier magnetic tunnel junctions with thin free layers. Journal of Applied Physics, 2009, 105, 07C926.	1.1	8
138	Backhopping effect in magnetic tunnel junctions: Comparison between theory and experiment. Journal of Applied Physics, 2013, 114, .	1.1	8
139	Electric-field-driven dynamics of magnetic domain walls in magnetic nanowires patterned on ferroelectric domains. New Journal of Physics, 2016, 18, 033027.	1.2	8
140	Magneto-optical study of anomalous magnetization reversal in the presence of anisotropy dispersion in CoPd thin films. Physical Review B, 2018, 98, .	1.1	8
141	Laser-Induced Magnetization Precession in Individual Magnetoelastic Domains of a Multiferroic $\text{Co}_4\text{Fe}_8\text{O}_{20}$ . Physical Review Applied, 2020, 14, .		
142	Geometrical Frustration and Planar Triangular Antiferromagnetism in Quasi-Three-Dimensional Artificial Spin Architecture. Physical Review Letters, 2020, 125, 267203.	2.9	8
143	Optically controlled large-coercivity room-temperature thin-film magnets. Journal of Materials Chemistry C, 2021, 10, 294-300.	2.7	8
144	Low-Loss Nanoscopic Spin-Wave Guiding in Continuous Yttrium Iron Garnet Films. Nano Letters, 2022, 22, 5294-5300.	4.5	8

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145	Exchange bias energy in Co/Pt/IrMn multilayers with perpendicular and in-plane anisotropy. Journal of Magnetism and Magnetic Materials, 2007, 316, 151-154.	1.0	7
146	Structural and magnetic properties of Co-doped ZnO films grown by pulse-injection MOCVD. Journal of Magnetism and Magnetic Materials, 2007, 316, e203-e206.	1.0	7
147	Anomalous magnetic field effects during pulsed injection metal-organic chemical vapor deposition of magnetite films. Applied Physics Letters, 2010, 96, .	1.5	7
148	Magneto-optical Kerr effect susceptometer for the analysis of magnetic domain wall dynamics. Review of Scientific Instruments, 2011, 82, 103901.	0.6	7
149	Tunable magnetic properties of monoatomic metal-oxide Fe/MgO multilayers. Physical Review B, 2014, 90, .	1.1	7
150	Influence of the Plasmonic Nanodisk Positions Inside a Magnetic Medium on the Faraday Effect Enhancement. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900682.	1.2	7
151	Reversible thermal strain control of oxygen vacancy ordering in an epitaxial $\text{La}_{0.5}\text{Sr}_{0.5}\text{Co}_{1-x}\text{Fe}_x\text{O}_{3-\delta}$ perovskite. Applied Physics Letters, 2020, 116, 202403.	0.9	7
152	Chemical-bond effect on epitaxial strain in perovskite sodium niobate. Physical Chemistry Chemical Physics, 2018, 20, 4263-4268.	1.3	6
153	Tuning of Magnetic Damping in Y3Fe5O12/Metal Bilayers for Spin-Wave Conduit Termination. Materials, 2022, 15, 2814.	1.3	6
154	Perpendicular exchange bias in nickel/antiferromagnetic bilayers. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1290-1293.	1.0	5
155	The influence of nonmagnetic seed layers on the magnetotransport properties of magnetic tunnel transistors with a silicon collector. Journal of Applied Physics, 2005, 97, 043712.	1.1	5
156	Reconfigurable magnetic logic based on the energetics of pinned domain walls. Applied Physics Letters, 2016, 108, 032402.	1.5	5
157	Nanometer-thick YIG-based magnonic crystals: Bandgap dependence on groove depth, lattice constant, and film thickness. Applied Physics Letters, 2020, 116, 202403.	1.5	5
158	Thermal motion of skyrmion arrays in granular films. Physical Review B, 2021, 104, .	1.1	5
159	Nanostructures for Spin Electronics. , 2006, , 403-460.		4
160	Field sweep rate dynamics in magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 2006, 296, 118-123.	1.0	4
161	Tunnelling anisotropic magnetoresistance at La0.67Sr0.33MnO3-graphene interfaces. Applied Physics Letters, 2016, 108, 112405.	1.5	4
162	Tsu-Esaki modeling of tunneling currents in ferroelectric tunnel junctions. Journal of Applied Physics, 2017, 122, .	1.1	4

#	ARTICLE	IF	CITATIONS
163	Structural characterization of base/collector interfaces for magnetic tunnel transistors grown on Si(001). Journal of Applied Physics, 2005, 97, 104514.	1.1	3
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