

# Sebastiaan van Dijken

## List of Publications by Year in descending order

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186  
papers

6,629  
citations

53794

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79698

73  
g-index

194  
all docs

194  
docs citations

194  
times ranked

6714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Magnetics Roadmap on Spin-Wave Computing. IEEE Transactions on Magnetism, 2022, 58, 1-72.	2.1	179
2	Zero-field routing of spin waves in a multiferroic heterostructure. Applied Physics Letters, 2022, 120, .	3.3	3
3	Direct observation of a dynamical glass transition in a nanomagnetic artificial Hopfield network. Nature Physics, 2022, 18, 517-521.	16.7	17
4	Magnetic on/off switching of a plasmonic laser. Nature Photonics, 2022, 16, 27-32.	31.4	18
5	Tuning of Magnetic Damping in Y3Fe5O12/Metal Bilayers for Spin-Wave Conduit Termination. Materials, 2022, 15, 2814.	2.9	6
6	Lithium-ion Battery Technology for Voltage Control of Perpendicular Magnetization. Advanced Functional Materials, 2022, 32, .	14.9	11
7	Low-Loss Nanoscopic Spin-Wave Guiding in Continuous Yttrium Iron Garnet Films. Nano Letters, 2022, 22, 5294-5300.	9.1	8
8	Bioinspired multisensory neural network with crossmodal integration and recognition. Nature Communications, 2021, 12, 1120.	12.8	94
9	Structural Phase Transitions to 2D and 3D Oxygen Vacancy Patterns in a Perovskite Film Induced by Electrical and Mechanical Nanoprobng. Small, 2021, 17, 2006273.	10.0	9
10	Nanoscale magnonic Fabry-Pérot resonator for low-loss spin-wave manipulation. Nature Communications, 2021, 12, 2293.	12.8	53
11	Voltage control of skyrmions: Creation, annihilation, and zero-magnetic field stabilization. Applied Physics Letters, 2021, 118, .	3.3	14
12	Electric Field Control of Propagating Spin Waves by Ferroelectric Domain Wall Motion in a Multiferroic Heterostructure. Advanced Materials, 2021, 33, e2100646.	21.0	25
13	Electronic and Magnetic Characterization of Epitaxial CrBr <sub>3</sub> Monolayers on a Superconducting Substrate. Advanced Materials, 2021, 33, e2006850.	21.0	38
14	Geometrical frustration and competing orders in the dipolar trimerized triangular lattice. Physical Review B, 2021, 104, .	3.2	2
15	The 2021 Magnonics Roadmap. Journal of Physics Condensed Matter, 2021, 33, 413001.	1.8	287
16	Roadmap on Magnetolectric Materials and Devices. IEEE Transactions on Magnetism, 2021, 57, 1-57.	2.1	43
17	Thermal motion of skyrmion arrays in granular films. Physical Review B, 2021, 104, .	3.2	5
18	Optically controlled large-coercivity room-temperature thin-film magnets. Journal of Materials Chemistry C, 2021, 10, 294-300.	5.5	8

#	ARTICLE	IF	CITATIONS
19	Surface-plasmon-polariton-driven narrow-linewidth magneto-optics in Ni nanodisk arrays. Nanophotonics, 2020, 9, 113-121.	6.0	11
20	Elevated effective dimension in tree-like nanomagnetic Cayley structures. Nanoscale, 2020, 12, 189-194.	5.6	11
21	Laser-Induced Magnetization Precession in Individual Magnetoelastic Domains of a Multiferroic $\text{Co}_{40}\text{Fe}_8\text{O}_{20}$ Physical Review Applied, 2020, 14, .	3.2	15
22	Magnetoplasmonic properties of perpendicularly magnetized [Co/Pt]N nanodots. Physical Review B, 2020, 101, .	3.2	15
23	Tactile sensory coding and learning with bio-inspired optoelectronic spiking afferent nerves. Nature Communications, 2020, 11, 1369.	12.8	141
24	Electronic and magnetic characterization of epitaxial VSe <sub>2</sub> monolayers on superconducting NbSe <sub>2</sub> . Communications Physics, 2020, 3, .	5.3	24
25	Temperature dependence of the Dzyaloshinskii-Moriya interaction in ultrathin films. Physical Review B, 2020, 101, .	3.2	29
26	Influence of the Plasmonic Nanodisk Positions Inside a Magnetic Medium on the Faraday Effect Enhancement. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900682.	2.4	7
27	Unconventional Ferroelectric Switching via Local Domain Wall Motion in Multiferroic $\text{LuFe}_2\text{O}_3$ Films. Advanced Electronic Materials, 2020, 6, 1901134.	5.1	11
28	Nanometer-thick YIG-based magnonic crystals: Bandgap dependence on groove depth, lattice constant, and film thickness. Applied Physics Letters, 2020, 116, 202403.	3.3	5
29	Geometrical Frustration and Planar Triangular Antiferromagnetism in Quasi-Three-Dimensional Artificial Spin Architecture. Physical Review Letters, 2020, 125, 267203.	7.8	8
30	Reversible thermal strain control of oxygen vacancy ordering in an epitaxial $\text{La}_{0.5}\text{Sr}_{0.5}\text{Co}_2\text{O}_{7-x}$ film. Applied Physics Letters, 2020, 116, 202403.	2.4	7
31	Mimicking Neurotransmitter Release and Long-Term Plasticity by Oxygen Vacancy Migration in a Tunnel Junction Memristor. Advanced Intelligent Systems, 2019, 1, 1900036.	6.1	17
32	Tunable magnetoplasmonics in lattices of Ni/SiO <sub>2</sub> /Au dimers. Scientific Reports, 2019, 9, 9907.	3.3	14
33	Converting an Organic Light-Emitting Diode from Blue to White with Bragg Modes. ACS Photonics, 2019, 6, 2655-2662.	6.6	12
34	Crossover from synaptic to neuronal functionalities through carrier concentration control in Nb-doped SrTiO <sub>3</sub> -based organic ferroelectric tunnel junctions. APL Materials, 2019, 7, 091114.	5.1	16
35	Driven gyrotropic skyrmion motion through steps in magnetic anisotropy. Scientific Reports, 2019, 9, 6525.	3.3	18
36	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, .	3.3	26

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37	Lasing in Ni Nanodisk Arrays. ACS Nano, 2019, 13, 5686-5692.	14.6	40
38	Emergent magnetic monopole dynamics in macroscopically degenerate artificial spin ice. Science Advances, 2019, 5, eaav6380.	10.3	108
39	Energy-Efficient Organic Ferroelectric Tunnel Junction Memristors for Neuromorphic Computing. Advanced Electronic Materials, 2019, 5, 1800795.	5.1	144
40	Dipolar Cairo lattice: Geometrical frustration and short-range correlations. Physical Review Materials, 2019, 3, .	2.4	16
41	Electric-field-induced avalanches and glassiness of mobile ferroelastic twin domains in cryogenic SrTiO <sub>3</sub> . Physical Review Research, 2019, 1, .	3.6	16
42	Tuning magnetic ordering in a dipolar square-kite tessellation. Applied Physics Letters, 2018, 112, .	3.3	10
43	Plasmon-induced demagnetization and magnetic switching in nickel nanoparticle arrays. Applied Physics Letters, 2018, 112, .	3.3	17
44	Metallic Contact between MoS <sub>2</sub> and Ni via Au Nanoglue. Small, 2018, 14, e1704526.	10.0	32
45	Exchange-torque-induced excitation of perpendicular standing spin waves in nanometer-thick YIG films. Scientific Reports, 2018, 8, 5755.	3.3	87
46	Chemical-bond effect on epitaxial strain in perovskite sodium niobate. Physical Chemistry Chemical Physics, 2018, 20, 4263-4268.	2.8	6
47	Deposition of Magnetite Nanofilms by Pulsed Injection MOCVD in a Magnetic Field. Nanomaterials, 2018, 8, 1064.	4.1	2
48	Control of spin-wave transmission by a programmable domain wall. Nature Communications, 2018, 9, 4853.	12.8	82
49	Propagating spin waves in nanometer-thick yttrium iron garnet films: Dependence on wave vector, magnetic field strength, and angle. Physical Review B, 2018, 98, .	3.2	39
50	Magneto-optical study of anomalous magnetization reversal in the presence of anisotropy dispersion in CoPd thin films. Physical Review B, 2018, 98, .	3.2	8
51	Low-loss YIG-based magnonic crystals with large tunable bandgaps. Nature Communications, 2018, 9, 5445.	12.8	50
52	Hybrid Ni/SiO <sub>2</sub> /Au dimer arrays for high-resolution refractive index sensing. Nanophotonics, 2018, 7, 905-912.	6.0	48
53	Electrode Dependence of Tunneling Electroresistance and Switching Stability in Organic Ferroelectric P(VDF-TrFE)-Based Tunnel Junctions. Advanced Functional Materials, 2018, 28, 1703273.	14.9	38
54	Low-Temperature Dielectric Anisotropy Driven by an Antiferroelectric Mode in $\text{SrTiO}_3$ . Physical Review Letters, 2018, 120, 217601.	7.8	19

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55	Metal-Semiconductor Contacts: Metallic Contact between MoS <sub>2</sub> and Ni via Au Nanoglue (Small) Tj ETQq1 1 0.784314.rgBT /Overlock	10.0	10
56	Static properties and current-induced dynamics of pinned magnetic domain walls under applied fields: An analytic approach. Physical Review B, 2018, 98, .	3.2	1
57	Direct observation of oxygen vacancy-driven structural and resistive phase transitions in La <sub>2</sub> /3Sr <sub>1</sub> /3MnO <sub>3</sub> . Nature Communications, 2017, 8, 14544.	12.8	149
58	Influence of intermixing at the Ta/CoFeB interface on spin Hall angle in Ta/CoFeB/MgO heterostructures. Scientific Reports, 2017, 7, 968.	3.3	58
59	Influence of magnetic field and ferromagnetic film thickness on domain pattern transfer in multiferroic heterostructures. Journal of Magnetism and Magnetic Materials, 2017, 441, 404-408.	2.3	2
60	Electric-field-driven domain wall dynamics in perpendicularly magnetized multilayers. AIP Advances, 2017, 7, 035119.	1.3	10
61	Nanoscale control of competing interactions and geometrical frustration in a dipolar trident lattice. Nature Communications, 2017, 8, 995.	12.8	31
62	Tunable Short-Wavelength Spin-Wave Emission and Confinement in Anisotropy-Modulated Multiferroic Heterostructures. Physical Review Applied, 2017, 8, .	3.8	47
63	Tsu-Esaki modeling of tunneling currents in ferroelectric tunnel junctions. Journal of Applied Physics, 2017, 122, .	2.5	4
64	Electric-field-driven dynamics of magnetic domain walls in magnetic nanowires patterned on ferroelectric domains. New Journal of Physics, 2016, 18, 033027.	2.9	8
65	Dirty limit scattering behind the decreased anisotropy of doped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> thin films. Journal of Physics Condensed Matter, 2016, 28, 175702.	1.8	9
66	Resistive Switching in All-Oxide Ferroelectric Tunnel Junctions with Ionic Interfaces. Advanced Materials, 2016, 28, 6852-6859.	21.0	75
67	Reconfigurable magnetic logic based on the energetics of pinned domain walls. Applied Physics Letters, 2016, 108, 032402.	3.3	5
68	Temperature dependence of spin-orbit torques in W/CoFeB bilayers. Applied Physics Letters, 2016, 109, .	3.3	25
69	Tunnelling anisotropic magnetoresistance at La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> -graphene interfaces. Applied Physics Letters, 2016, 108, 112405.	3.3	4
70	Electric-field tunable spin diode FMR in patterned PMN-PT/NiFe structures. Applied Physics Letters, 2016, 109, 072406.	3.3	11
71	Long Spin Diffusion Length in Few-Layer Graphene Flakes. Physical Review Letters, 2016, 117, 147201.	7.8	37
72	Thermodynamics of emergent magnetic charge screening in artificial spin ice. Nature Communications, 2016, 7, 12635.	12.8	43

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73	Coupling effects in plasmonic nanoparticle arrays: The weak and the strong coupling regime and the effects of spin-orbit coupling. , 2016, , .		0
74	Tunable short-wavelength spin wave excitation from pinned magnetic domain walls. Scientific Reports, 2016, 6, 21330.	3.3	63
75	Hybrid plasmonic lattices with tunable magneto-optical activity. Optics Express, 2016, 24, 3652.	3.4	40
76	Magnetic circular dichroism of non-local surface lattice resonances in magnetic nanoparticle arrays. Optics Express, 2016, 24, 3562.	3.4	14
77	Anisotropic Nanoantenna-Based Magnetoplasmonic Crystals for Highly Enhanced and Tunable Magneto-Optical Activity. Nano Letters, 2016, 16, 2533-2542.	9.1	67
78	Hybrid Ferromagnetic/Ferroelectric Materials. , 2016, , 365-398.		1
79	Magnetoplasmonic crystals based on anisotropic nanoantennas. , 2016, , .		0
80	Electric-field switching of perpendicularly magnetized multilayers. NPC Asia Materials, 2015, 7, e198-e198.	7.9	65
81	Surface lattice resonance-enhanced magneto-optical effects in Ni nanoparticle arrays. , 2015, , .		0
82	Interband transitions in epitaxial ferroelectric films of $\text{NaNbO}_3$ . Physical Review B, 2015, 92, .	3.2	13
83	Influence of elastically pinned magnetic domain walls on magnetization reversal in multiferroic heterostructures. Physical Review B, 2015, 92, .	3.2	12
84	Reversible Electric-Field-Driven Magnetic Domain-Wall Motion. Physical Review X, 2015, 5, .	8.9	58
85	Effects of doping and epitaxy on optical behavior of $\text{NaNbO}_3$ films. Applied Physics Letters, 2015, 107, 172906.	3.3	3
86	Concurrent bandgap narrowing and polarization enhancement in epitaxial ferroelectric nanofilms. Science and Technology of Advanced Materials, 2015, 16, 026002.	6.1	10
87	A Novel Porous Tube Reactor for Nanoparticle Synthesis with Simultaneous Gas-Phase Reaction and Dilution. Aerosol Science and Technology, 2015, 49, 1170-1180.	3.1	2
88	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.	1.7	10
89	Ultrasensitive and label-free molecular-level detection enabled by light phase control in magnetoplasmonic nanoantennas. Nature Communications, 2015, 6, 6150.	12.8	172
90	Effect of epitaxy on interband transitions in ferroelectric $\text{KNbO}_3$ . New Journal of Physics, 2015, 17, 043048.	2.9	11

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91	Surface lattice resonances and magneto-optical response in magnetic nanoparticle arrays. Nature Communications, 2015, 6, 7072.	12.8	126
92	Magneto-ionic control of interfacial magnetism. Nature Materials, 2015, 14, 174-181.	27.5	444
93	Hybrid Ferromagnetic/Ferroelectric Materials. , 2015, , 1-29.		0
94	COMPARATIVE STUDY OF SPIN INJECTION AND TRANSPORT IN $\text{Alq}_3$ AND $\text{Co}^{\text{PHTHALOCYANINE}}$ -BASED ORGANIC SPIN VALVES. Spin, 2014, 04, 1440009.	1.3	11
95	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.	1.8	23
96	Characterization of aluminum oxide tunnel barriers by combining transport measurements and transmission electron microscopy imaging. Journal of Applied Physics, 2014, 116, .	2.5	22
97	Spin waves in CoFeB on ferroelectric domains combining spin mechanics and magnonics. Solid State Communications, 2014, 198, 13-17.	1.9	28
98	Electric field driven magnetic domain wall motion in ferromagnetic-ferroelectric heterostructures. Applied Physics Letters, 2014, 104, .	3.3	21
99	Electron-Beam-Induced Perovskite-Brownmillerite-Perovskite Structural Phase Transitions in Epitaxial $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ Films. Advanced Materials, 2014, 26, 2789-2793.	21.0	73
100	Size Dependence of Domain Pattern Transfer in Multiferroic Heterostructures. Physical Review Letters, 2014, 112, 017201.	7.8	31
101	Tunable magnetic properties of monoatomic metal-oxide Fe/MgO multilayers. Physical Review B, 2014, 90, .	3.2	7
102	Three ranges of the angular dependence of critical current of $\text{BaZrO}_3$ doped $\text{YBa}_2\text{Cu}_3\text{O}_7$ thin films grown at different temperatures. Thin Solid Films, 2014, 562, 554-560.	1.8	21
103	Transition Metal Oxides: Electron-Beam-Induced Perovskite-Brownmillerite-Perovskite Structural Phase Transitions in Epitaxial $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ Films (Adv. Mater. 18/2014). Advanced Materials, 2014, 26, 2788-2788.	21.0	0
104	Pulsed laser deposition of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ : thin-film properties and spintronic applications. Journal Physics D: Applied Physics, 2014, 47, 034010.	2.8	94
105	Structural and magnetic properties of pulsed laser deposited $\text{SrRuO}_3/\text{CoFe}_2\text{O}_4/\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ magnetic oxide heterostructures on $\text{SrTiO}_3(001)$ and $\text{MgO}(001)$ . Applied Physics A: Materials Science and Processing, 2013, 110, 889-894.	2.3	2
106	Backhopping effect in magnetic tunnel junctions: Comparison between theory and experiment. Journal of Applied Physics, 2013, 114, .	2.5	8
107	Tuning the Magneto-Optical Response of Nanosize Ferromagnetic Ni Disks Using the Phase of Localized Plasmons. Physical Review Letters, 2013, 111, 167401.	7.8	111
108	Influence of MgO tunnel barrier thickness on spin-transfer ferromagnetic resonance and torque in magnetic tunnel junctions. Physical Review B, 2013, 87, .	3.2	20

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109	Temperature control of local magnetic anisotropy in multiferroic CoFe/BaTiO <sub>3</sub> . Applied Physics Letters, 2013, 102, .	3.3	30
110	Coherent piezoelectric strain transfer to thick epitaxial ferromagnetic films with large lattice mismatch. Journal of Physics Condensed Matter, 2013, 25, 082205.	1.8	26
111	In-situ coated nanomagnets. Powder Technology, 2013, 233, 15-21.	4.2	3
112	Epitaxial Ferroelectric Heterostructures with Nanocolumn-Enhanced Dynamic Properties. Advanced Functional Materials, 2013, 23, 467-474.	14.9	15
113	Polarizability and magnetoplasmonic properties of magnetic general nanoellipsoids. Optics Express, 2013, 21, 9875.	3.4	34
114	Room-temperature perpendicular magnetic anisotropy of MgO/Fe/MgO ultrathin films. Journal of Applied Physics, 2013, 114, .	2.5	21
115	Zero-Field Spin Torque Oscillator Based on Magnetic Tunnel Junctions with a Tilted CoFeB Free Layer. Applied Physics Express, 2012, 5, 063005.	2.4	35
116	Field tuning of ferromagnetic domain walls on elastically coupled ferroelectric domain boundaries. Physical Review B, 2012, 85, .	3.2	35
117	Toward All-Oxide Magnetic Tunnel Junctions: Epitaxial Growth of SrRuO <sub>3</sub> /CoFeO <sub>2</sub> /La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> Trilayers. Crystal Growth and Design, 2012, 12, 954-959.		15
118	d <sub>0</sub> Ferromagnetic Interface between Nonmagnetic Perovskites. Physical Review Letters, 2012, 109, 127207.	7.8	45
119	Alternating domains with uniaxial and biaxial magnetic anisotropy in epitaxial Fe films on BaTiO <sub>3</sub> . Applied Physics Letters, 2012, 101, .	3.3	47
120	Magnetic field sensor with voltage-tunable sensing properties. Applied Physics Letters, 2012, 101, 192401.	3.3	33
121	Electric-field control of magnetic domain wall motion and local magnetization reversal. Scientific Reports, 2012, 2, 258.	3.3	224
122	Magneto-optical Kerr effect susceptometer for the analysis of magnetic domain wall dynamics. Review of Scientific Instruments, 2011, 82, 103901.	1.3	7
123	Electrical Writing of Magnetic Domain Patterns in Ferromagnetic/Ferroelectric Heterostructures. IEEE Transactions on Magnetics, 2011, 47, 3768-3771.	2.1	25
124	Pattern Transfer and Electric-Field-Induced Magnetic Domain Formation in Multiferroic Heterostructures. Advanced Materials, 2011, 23, 3187-3191.	21.0	142
125	Anomalous magnetic field effects during pulsed injection metal-organic chemical vapor deposition of magnetite films. Applied Physics Letters, 2010, 96, .	3.3	7
126	Interlayer exchange coupling and current induced magnetization switching in magnetic tunnel junctions with MgO wedge barrier. Journal of Applied Physics, 2010, 107, 093917.	2.5	25



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127	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, .	2.5	48
128	MgO-based double barrier magnetic tunnel junctions with thin free layers. Journal of Applied Physics, 2009, 105, 07C926.	2.5	8
129	Influence of the seed layer on structural and electro-acoustic properties of sputter-deposited AlN resonators. Thin Solid Films, 2009, 517, 6588-6592.	1.8	10
130	Influence of Substrate Bias on the Structural and Dielectric Properties of Magnetron-Sputtered Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> Thin Films. Ferroelectrics, 2009, 392, 3-12.	0.6	0
131	Influence of Interface Roughness, Film Texture, and Magnetic Anisotropy on Exchange Bias in $[\text{Pt}/\text{Co}]_3/\text{IrMn}$ and $\text{IrMn}/[\text{Co}/\text{Pt}]_3$ Thermally activated magnetization reversal in exchange-biased multilayers. IEEE Transactions on Magnetics, 2008, 44, 238-245.	2.1	20
132	Reply to a Comment on "Size-dependent scaling of perpendicular exchange bias in magnetic nanostructures". Physical Review B, 2008, 77, .	3.2	25
133	Magnetization reversal in exchange biased nanocap arrays. Journal Physics D: Applied Physics, 2007, 40, 3005-3010.	3.2	0
134	Structural, magnetic, and transport properties of Fe <sub>3</sub> O <sub>4</sub> /Si(111) and Fe <sub>3</sub> O <sub>4</sub> /Si(001). Journal of Applied Physics, 2007, 101, 123903.	2.8	10
135	Correlation between exchange bias dynamics and magnetization reversal asymmetry in [Pt/Co] <sub>3</sub> /Pt/IrMn multilayers. Applied Physics Letters, 2007, 90, 082501.	2.5	45
136	Size-dependent scaling of perpendicular exchange bias in magnetic nanostructures. Physical Review B, 2007, 75, .	3.3	13
137	Ferroelectric parallel-plate capacitors with copper electrodes for high-frequency applications. Applied Physics Letters, 2007, 91, 252902.	3.2	33
138	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.	3.3	12
139	Exchange bias energy in Co/Pt/IrMn multilayers with perpendicular and in-plane anisotropy. Journal of Magnetism and Magnetic Materials, 2007, 316, 151-154.	1.8	11
140	Structural and magnetic properties of Co-doped ZnO films grown by pulse-injection MOCVD. Journal of Magnetism and Magnetic Materials, 2007, 316, e203-e206.	2.3	7
141	Effects of barrier sputtering parameters on Co <sub>80</sub> Fe <sub>10</sub> B <sub>10</sub> /MgO/Co <sub>80</sub> Fe <sub>10</sub> B <sub>10</sub> magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 2007, 316, e984-e986.	2.3	1
142	Influence of annealing on the bias voltage dependence of tunneling magnetoresistance in MgO double-barrier magnetic tunnel junctions with CoFeB electrodes. Applied Physics Letters, 2006, 89, 162501.	2.3	7
143	Nanostructures for Spin Electronics. , 2006, , 403-460.	3.3	33
144			4

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145	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.	0.8	10
146	Asymmetric magnetization reversal in exchange-biased Co/Pt multilayers. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 169-173.	1.5	10
147	Field sweep rate dynamics in magnetic tunnel junctions. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 296, 118-123.	2.3	4
148	Magnetization reversal and field annealing effects in perpendicular exchange-biased Co/Pt multilayers and spin valves with perpendicular magnetization. <i>Journal of Applied Physics</i> , 2006, 99, 083901.	2.5	28
149	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.	3.3	31
150	Magnetic Tunnel Transistor. , 2006, , 1-6.		0
151	Magnetization reversal in perpendicular exchange-biased multilayers. <i>European Physical Journal B</i> , 2005, 45, 191-195.	1.5	17
152	Effects of Ga <sup>+</sup> ion implantation on the magnetoresistive properties of spin valves. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 124-126.	2.3	13
153	Perpendicular exchange bias in nickel/antiferromagnetic bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 1290-1293.	2.3	5
154	IrMn as exchange-biasing material in systems with perpendicular magnetic anisotropy. <i>Journal of Applied Physics</i> , 2005, 97, 10K114.	2.5	45
155	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
156	Correlation between perpendicular exchange bias and magnetic anisotropy in IrMn/[Co/Pt] <sub>n</sub> and [Pt/Co] <sub>n</sub> /IrMn multilayers. <i>Journal of Applied Physics</i> , 2005, 97, 063907.	2.5	52
157	Magnetite Schottky barriers on GaAs substrates. <i>Applied Physics Letters</i> , 2005, 86, 212108.	3.3	42
158	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
159	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, .	7.8	44
160	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	18
161	Magnetoresistance sensor with an out-of-plane magnetized sensing layer. <i>Applied Physics Letters</i> , 2005, 87, 022504.	3.3	49
162	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.	3.3	2

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163	Transport characteristics of magnetite thin films grown onto GaAs substrates. Journal of Applied Physics, 2004, 95, 7465-7467.	2.5	37
164	Bias voltage dependence of magnetocurrent in magnetic tunnel transistors. Physical Review B, 2004, 69, .	3.2	19
165	Asymmetry and magnetoresistance in nickel nanoconstrictions. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1571-1572.	2.3	9
166	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.	2.3	20
167	Negative magnetoresistance in Fe <sub>3</sub> O <sub>4</sub> /Au/Fe spin valves. Physical Review B, 2004, 70, .	3.2	25
168	Growth and Investigation of Oxide Heterostructures Containing Half-Metallic Fe <sub>3</sub> O <sub>4</sub> /O <sub>4</sub> . Solid State Phenomena, 2004, 99-100, 133-136.	0.3	0
169	Optical Detection of Hot-Electron Spin Injection into GaAs from a Magnetic Tunnel Transistor Source. Physical Review Letters, 2003, 90, 256603.	7.8	97
170	Nonmonotonic Bias Voltage Dependence of the Magnetocurrent in GaAs-Based Magnetic Tunnel Transistors. Physical Review Letters, 2003, 90, 197203.	7.8	39
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