Yoshishige Suzuki

List of Publications by Year
in descending order

384 papers	19,708 citations	22153 59 h-index	12597 132 g-index
387 all docs	387 docs citations	387 times ranked	8614 citing authors

#	Article	IF	Citations
1	Bi-stable toggle switching in magnetic tunnel junctions using sub-nanosecond Joule heat pulses. Japanese Journal of Applied Physics, 2022, 61, 040905.	1.5	1
2	Numerical simulation of reservoir computing with magnetic nanowire lattices without inversion symmetry. Applied Physics Letters, 2022, 120, 022404.	3.3	2
3	Junction size dependence of the heat controlled magnetic anisotropy in magnetic tunnel junctions. Applied Physics Express, 2022, 15, 013001.	2.4	1
4	Reservoir Computing with Dipole-Coupled Nanomagnets. Natural Computing Series, 2021, , 361-374.	2.2	6
5	Uncooled sub-GHz spin bolometer driven by auto-oscillation. Nature Communications, 2021, 12, 536.	12.8	15
6	Low frequency 1/<i>f</i> noise in deep submicrometer-sized magnetic tunnel junctions. Journal of Applied Physics, 2021, 129, .	2.5	2
7	Numerical simulation of artificial spin ice for reservoir computing. Applied Physics Express, 2021, 14, 033001.	2.4	22
8	Physically Unclonable Functions With Voltage-Controlled Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2021, 57, 1-6.	2.1	3
9	Quasi-maser operation using magnetic tunnel junctions. Applied Physics Letters, 2021, 118, 192402.	3.3	2
10	Investigation of the thermal tolerance of silicon-based lateral spin valves. Scientific Reports, 2021, 11, 10583.	3.3	1
11	Synthetic Rashba spinâ€“orbit system using a silicon metal-oxide semiconductor. Nature Materials, 2021, 20, 1228-1232.	27.5	11
12	Charge-spin interconversion in epitaxial Pt probed by spin-orbit torques in a magnetic insulator. Physical Review Materials, 2021, 5, .	2.4	13
13	Brownian Motion of Magnetic Skyrmions in One- and Two-Dimensional Systems. Journal of the Physical Society of Japan, 2021, 90, 083601.	1.6	8
14	Implementation of skyrmion cellular automaton using Brownian motion and magnetic dipole interaction. Applied Physics Letters, 2021, 119, .	3.3	12
15	Stochastic skyrmion dynamics under alternating magnetic fields. Journal of Magnetism and Magnetic Materials, 2021, 536, 167974.	2.3	8
16	Diffusion of a magnetic skyrmion in two-dimensional space. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 413, 127603.	2.1	7
17	Size-Independent Drive of One-Dimensional Skyrmion Motion Using Exchange Energy Control. Journal of the Physical Society of Japan, 2021, 90, .	1.6	1
18	Reservoir computing with two-bit input task using dipole-coupled nanomagnet array. Japanese Journal of Applied Physics, 2020, 59, SEEG02.	1.5	10

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19	Randomly generated node-state-update procedure for dipole-coupled magnetic reservoir computing with voltage control of the magnetism. Journal Physics D: Applied Physics, 2020, 53, 094001.	2.8	1
20	Voltage-controlled magnetic anisotropy in an ultrathin nickel film studied by <i>operando</i> x-ray magnetic circular dichroism spectroscopy. Physical Review B, 2020, 102, .	3.2	5
21	Enhancement of spin signals by thermal annealing in silicon-based lateral spin valves. AIP Advances, 2020, 10, 095021.	1.3	4
22	Skyrmion Brownian circuit implemented in continuous ferromagnetic thin film. Applied Physics Letters, 2020, 117, .	3.3	43
23	Voltage-Driven Magnetization Switching Using Inverse-Bias Schemes. Physical Review Applied, 2020, 13, .	3.8	18
24	Over 1% magnetoresistance ratio at room temperature in non-degenerate silicon-based lateral spin valves. Applied Physics Express, 2020, 13, 083002.	2.4	10
25	Control of Spinâ€“Orbit Torques by Interface Engineering in Topological Insulator Heterostructures. Nano Letters, 2020, 20, 5893-5899.	9.1	46
26	Enhanced electric control of magnetic anisotropy via high thermal resistance capping layers in magnetic tunnel junctions. Journal of Physics Condensed Matter, 2020, 32, 384001.	1.8	7
27	Voltage-controlled magnetic anisotropy in an ultrathin Ir-doped Fe layer with a CoFe termination layer. APL Materials, 2020, 8, .	5.1	40
28	Investigation of gating effect in Si spin MOSFET. Applied Physics Letters, 2020, 116, .	3.3	8
29	Gate-Tunable Spin xor Operation in a Silicon-Based Device at Room Temperature. Physical Review Applied, 2020, 13, .	3.8	7
30	Manipulating 1-dimensional skyrmion motion by the external magnetic field gradient. New Journal of Physics, 2020, 22, 103053.	2.9	5
31	Magnetic anisotropy of ferromagnetic metals in low-symmetry systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1203-1206.	2.1	16
32	Reservoir computing with dipole-coupled nanomagnets. Japanese Journal of Applied Physics, 2019, 58, 070901.	1.5	42
33	Microscopic origin of large perpendicular magnetic anisotropy in an FeIr/MgO system. Physical Review B, 2019, 99, .	3.2	4
34	Recent Progress in the Voltage-Controlled Magnetic Anisotropy Effect and the Challenges Faced in Developing Voltage-Torque MRAM. Micromachines, 2019, 10, 327.	2.9	96
35	Voltage-controlled magnetic anisotropy and Dzyaloshinskiiâˆ’Moriya interactions in CoNi/MgO and CoNi/Pd/MgO. Japanese Journal of Applied Physics, 2019, 58, 060917.	1.5	10
36	Interface resonance in Fe/Pt/MgO multilayer structure with large voltage controlled magnetic anisotropy change. Applied Physics Letters, 2019, 114, .	3.3	8

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37	Quantitative and systematic analysis of bias dependence of spin accumulation voltage in a nondegenerate Si-based spin valve. Physical Review B, 2019, 99, .	3.2	14
38	Stability of spin XOR gate operation in silicon based lateral spin device with large variations in spin transport parameters. AIP Advances, 2019, 9, 125326.	1.3	3
39	Microwave amplification in a magnetic tunnel junction induced by heat-to-spin conversion at the nanoscale. Nature Nanotechnology, 2019, 14, 40-43.	31.5	26
40	Perpendicular magnetic anisotropy and its electric-field-induced change at metal-dielectric interfaces. Journal Physics D: Applied Physics, 2019, 52, 063001.	2.8	47
41	Brownian motion of skyrmion bubbles and its control by voltage applications. Applied Physics Letters, 2019, 114, .	3.3	81
42	Write-Error Reduction of Voltage-Torque-Driven Magnetization Switching by aÂControlled Voltage Pulse. Physical Review Applied, 2019, 11, .	3.8	32
43	Improvement of write error rate in voltage-driven magnetization switching. Journal Physics D: Applied Physics, 2019, 52, 164001.	2.8	36
44	Integrated Reservoir Computing Module Using Magnetic Tunnel Junction. Journal of the Institute of Electrical Engineers of Japan, 2019, 139, 674-678.	0.0	0
45	Enhancement in the interfacial perpendicular magnetic anisotropy and the voltage-controlled magnetic anisotropy by heavy metal doping at the Fe/MgO interface. APL Materials, 2018, 6, .	5.1	53
46	Spin-transfer torque induced by the spin anomalous Hall effect. Nature Electronics, 2018, 1, 120-123.	26.0	108
47	Effect of external magnetic field on locking range of spintronic feedback nano oscillator. AIP Advances, 2018, 8, .	1.3	3
48	Magnetic tunnel junction with Fe(001)/Co phthalocyanine/MgO(001) single-crystal multilayer. Applied Physics Express, 2018, 11, 013201.	2.4	5
49	Reduction in the write error rate of voltage-induced dynamic magnetization switching using the reverse bias method. Japanese Journal of Applied Physics, 2018, 57, 040311.	1.5	18
50	Deterministic Magnetization Switching by Voltage Control of Magnetic Anisotropy and Dzyaloshinskii-Moriya Interaction under an In-Plane Magnetic Field. Physical Review Applied, 2018, 10, .	3.8	6
51	Macromagnetic Simulation for Reservoir Computing Utilizing Spin Dynamics in Magnetic Tunnel Junctions. Physical Review Applied, 2018, 10, .	3.8	97
52	Voltage-controlled magnetic anisotropy and voltage-induced Dzyaloshinskii-Moriya interaction change at the epitaxial Fe(001)/MgO(001) interface engineered by Co and Pd atomic-layer insertion. Physical Review B, 2018, 98, .	3.2	18
53	Voltage-Controlled Magnetic Anisotropy in Fe1â[^]'xCox/Pd/MgO system. Scientific Reports, 2018, 8, 10362.	3.3	7
54	Effect of Electric Field on the Exchange-Stiffness Constant in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Co</mml:mi><mml:mn>12</mml:mn></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml mathvariant="normal">B</mml:mi></mml:mrow><mml:mn>16</mml:mn></mml:msub></mml:math> Disk-Shaped Nanomagnet 65 nm in Diameter. Physical Review Applied, 2018, 10, .	3.8	9

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55	Thermally Induced Precession-Orbit Transition of Magnetization in Voltage-Driven Magnetization Switching. Physical Review Applied, 2018, 10, .	3.8	29
56	Thermally Generated Spin Signals in a Nondegenerate Silicon Spin Valve. Physical Review Applied, 2018, 9, .	3.8	6
57	Periodic Fluctuations of Switching Probability in Spin-Transfer Magnetization Switching in Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	1
58	Investigation of spin scattering mechanism in silicon channels of Fe/MgO/Si lateral spin valves. Applied Physics Letters, 2017, 110, 192401.	3.3	10
59	Extended X-ray absorption fine structure analysis of voltage-induced effects in the interfacial atomic structure of Fe/Pt/MgO. Applied Physics Express, 2017, 10, 063006.	2.4	2
60	Fast phase manipulation of the single nuclear spin in solids by rotating fields. Physical Review A, 2017, 95, .	2.5	0
61	$1imes$ - to $2imes$ -nm perpendicular MTJ Switching at Sub-3-ns Pulses Below $100~mu$ A for High-Performance Embedded STT-MRAM for Sub-20-nm CMOS. IEEE Transactions on Electron Devices, 2017, 64, 427-431.	3.0	19
62	Reduction in write error rate of voltage-driven dynamic magnetization switching by improving thermal stability factor. Applied Physics Letters, 2017, 111, .	3.3	60
63	Strong Bias Effect on Voltage-Driven Torque at Epitaxial Fe-MgO Interface. Physical Review X, 2017, 7, .	8.9	18
64	Enhancement of perpendicular magnetic anisotropy and its electric field-induced change through interface engineering in Cr/Fe/MgO. Scientific Reports, 2017, 7, 5993.	3.3	46
65	Highly efficient voltage control of spin and enhanced interfacial perpendicular magnetic anisotropy in iridium-doped Fe/MgO magnetic tunnel junctions. NPG Asia Materials, 2017, 9, e451-e451.	7.9	84
66	Electron paramagnetic resonance study of MgO thin-film grown on silicon. Journal of Applied Physics, 2017, 121, .	2.5	3
67	Characterization of the magnetic moments of ultrathin Fe film in an external electric field via high-precision X-ray magnetic circular dichroism spectroscopy. Japanese Journal of Applied Physics, 2017, 56, 060304.	1.5	8
68	Voltage controlled interfacial magnetism through platinum orbits. Nature Communications, 2017, 8, 15848.	12.8	128
69	Perpendicular magnetic anisotropy of CoFeBTa bilayers on ALD HfO2. AIP Advances, 2017, 7, 055933.	1.3	8
70	Electric-field-induced changes of magnetic moments and magnetocrystalline anisotropy in ultrathin cobalt films. Physical Review B, 2017, 96, .	3.2	48
71	Integer, Fractional, and Sideband Injection Locking of a Spintronic Feedback Nano-Oscillator to a Microwave Signal. Physical Review Applied, 2017, 8, .	3.8	16
72	Spin torque in uniform magnetization. , 2017, , .		0

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73	Evaluation of write error rate for voltage-driven dynamic magnetization switching in magnetic tunnel junctions with perpendicular magnetization. Applied Physics Express, 2016, 9, 013001.	2.4	87
74	Ferromagnetic-resonance induced electromotive forces in Ni81<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0013.gif" overflow="scroll"><mml:mrow><mml:msub subscriptshift="65%"><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mrow><mml:mn>19</mml:mn></mml:mrow></mml:msu stretchy="true"> | </mml:mo><mml:mi>p</mml:mi></mml:math>-type diamond. Solid State Communications, 2016, 243, 44-48.	1.9	3
75	Coherent microwave generation by spintronic feedback oscillator. Scientific Reports, 2016, 6, 30747.	3.3	31
76	Observation of thermally driven field-like spin torque in magnetic tunnel junctions. Applied Physics Letters, 2016, 109, 032406.	3.3	24
77	Spin-wave eigenmodes in single disk-shaped FeB nanomagnet. Physical Review B, 2016, 94, .	3.2	9
78	Novel voltage controlled MRAM (VCM) with fast read/write circuits for ultra large last level cache. , 2016, , .		21
79	The effect of the MgO buffer layer thickness on magnetic anisotropy in MgO/Fe/Cr/MgO buffer/MgO(001). Journal of Applied Physics, 2016, 120, 085303.	2.5	8
80	Electric field modulation of tunneling anisotropic magnetoresistance in tunnel junctions with antiferromagnetic electrodes. Japanese Journal of Applied Physics, 2016, 55, 080304.	1.5	3
81	Large Voltage-Induced Changes in the Perpendicular Magnetic Anisotropy of an MgO-Based Tunnel Junction with an Ultrathin Fe Layer. Physical Review Applied, 2016, 5, .	3.8	141
82	Observation of large spin accumulation voltages in nondegenerate Si spin devices due to spin drift effect: Experiments and theory. Physical Review B, 2016, 93, .	3.2	29
83	Pure negatively charged state of the NV center in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>n</mml:mi></mml:math>-type diamond. Physical Review B, 2016, 93, .	3.2	77
84	Study of spin dynamics and damping on the magnetic nanowire arrays with various nanowire widths. Journal of Magnetism and Magnetic Materials, 2016, 409, 99-103.	2.3	12
85	Tunneling Anisotropic Magnetoresistance in Fe Nanoparticles Embedded in MgO Matrix. Journal of Electronic Materials, 2016, 45, 2597-2600.	2.2	3
86	Field angle dependence of voltage-induced ferromagnetic resonance under DC bias voltage. Journal of Magnetism and Magnetic Materials, 2016, 400, 159-162.	2.3	8
87	Spin Torques in Magnetic Tunnel Junctions. , 2016, , 284-301.		0
88	Voltage-controlled magnetic anisotropy in Fe|MgO tunnel junctions studied by x-ray absorption spectroscopy. Applied Physics Letters, 2015, 107, .	3.3	46
89	Tunnel anisotropic magnetoresistance in CoFeB|MgO|Ta junctions. Applied Physics Letters, 2015, 107, 082407.	3.3	10
90	Underlayer material influence on electric-field controlled perpendicular magnetic anisotropy in CoFeB/MgO magnetic tunnel junctions. Physical Review B, 2015, 91, .	3.2	83

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91	Voltage induction of interfacial Dzyaloshinskiiâ€"Moriya interaction in Au/Fe/MgO artificial multilayer. Applied Physics Express, 2015, 8, 063004.	2.4	66
92	Growth of perpendicularly magnetized thin films on a polymer buffer and voltage-induced change of magnetic anisotropy at the MgO|CoFeB interface. AIP Advances, 2015, 5, 067132.	1.3	6
93	Perpendicular magnetic anisotropy of Ir/CoFeB/MgO trilayer system tuned by electric fields. Applied Physics Express, 2015, 8, 053003.	2.4	73
94	Room-temperature operation of Si spin MOSFET with high on/off spin signal ratio. Applied Physics Express, 2015, 8, 113004.	2.4	63
95	Magnetostatic spin wave in a very thin CoFeB film grown on an amorphous FeZr buffer layer. Journal of the Korean Physical Society, 2015, 67, 906-910.	0.7	1
96	Control of coherence among the spins of a single electron and the three nearest neighbor 13C nuclei of a nitrogen-vacancy center in diamond. Applied Physics Letters, 2015, 106, 153103.	3.3	9
97	Voltage modulation of propagating spin waves in Fe. Journal of Applied Physics, 2015, 117, 17A905.	2.5	12
98	Large voltage-induced magnetic anisotropy field change in ferrimagnetic FeGd. Applied Physics Express, 2015, 8, 073007.	2.4	15
99	Three-Terminal Device for Realizing a Voltage-Driven Spin Transistor. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	0
100	Gigantic transverse x-ray magnetic circular dichroism in ultrathin Co in Au/Co/Au(001). Journal of Physics: Conference Series, 2014, 502, 012002.	0.4	4
101	Magneto-Seebeck effect in spin-valve with in-plane thermal gradient. AIP Advances, 2014, 4, .	1.3	13
102	High-output microwave detector using voltage-induced ferromagnetic resonance. Applied Physics Letters, 2014, 105, 192408.	3.3	23
103	Influence of an electric field on the spin-reorientation transition in Ni/Cu(100). Applied Physics Letters, 2014, 105, 152903.	3.3	6
104	Spin-transfer torque magnetoresistive random-access memory technologies for normally off computing (invited). Journal of Applied Physics, 2014, 115, .	2.5	98
105	Observations of thermally excited ferromagnetic resonance on spin torque oscillators having a perpendicularly magnetized free layer. Journal of Applied Physics, 2014, 115, 17C740.	2.5	16
106	Spin-dependent tunneling in magnetic tunnel junctions with Fe nanoparticles embedded in an MgO matrix. Solid State Communications, 2014, 183, 18-21.	1.9	10
107	Local magnetoresistance in Fe/MgO/Si lateral spin valve at room temperature. Applied Physics Letters, 2014, 104, .	3.3	49
108	High Q factor over 3000 due to out-of-plane precession in nano-contact spin-torque oscillator based on magnetic tunnel junctions. Applied Physics Express, 2014, 7, 023003.	2.4	52

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109	Spin Injection and Voltage Effects in Magnetic Nanopillars and Its Applications. , 2014, , 107-176.		2
110	Highly sensitive nanoscale spin-torque diode. Nature Materials, 2014, 13, 50-56.	27.5	228
111	Deterministic Electrical Charge-State Initialization of Single Nitrogen-Vacancy Center in Diamond. Physical Review X, 2014, 4, .	8.9	41
112	Perfect selective alignment of nitrogen-vacancy centers in diamond. Applied Physics Express, 2014, 7, 055201.	2.4	84
113	Spin-orbit torque in a bulk perpendicular magnetic anisotropy Pd/FePd/MgO system. Scientific Reports, 2014, 4, 6548.	3.3	59
114	Spin-torque magnetic resonance of Fe nanoparticles in Fe/MgO/Fe magnetic tunnel junctions. Journal of the Korean Physical Society, 2013, 62, 2206-2209.	0.7	0
115	MgO overlayer thickness dependence of perpendicular magnetic anisotropy in CoFeB thin films. Journal of the Korean Physical Society, 2013, 62, 1461-1464.	0.7	21
116	Fabrication of Fe/MgO/Gd Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2013, 49, 4417-4420.	2.1	2
117	Investigation of Au and Ag segregation on Fe(001) with soft X-ray absorption. Surface Science, 2013, 616, 125-130.	1.9	7
118	Future prospects of MRAM technologies. , 2013, , .		42
119	Opposite signs of voltage-induced perpendicular magnetic anisotropy change in CoFeB|MgO junctions with different underlayers. Applied Physics Letters, 2013, 103, .	3.3	89
120	Single photon, spin, and charge in diamond semiconductor at room temperature. , 2013, , .		0
121	Large Emission Power over 2 ÂµW with High<i>Q</i>Factor Obtained from Nanocontact Magnetic-Tunnel-Junction-Based Spin Torque Oscillator. Applied Physics Express, 2013, 6, 113005.	2.4	72
122	Unified understanding of both thermally assisted and precessional spin-transfer switching in perpendicularly magnetized giant magnetoresistive nanopillars. Applied Physics Letters, 2013, 102, .	3.3	31
123	Detailed analysis of spin-dependent quantum interference effects in magnetic tunnel junctions with Fe quantum wells. Applied Physics Letters, 2013, 102, 032406.	3.3	10
124	Reversible change in the oxidation state and magnetic circular dichroism of Fe driven by an electric field at the FeCo/MgO interface. Applied Physics Letters, 2013, 102, .	3.3	72
125	Radio-frequency amplification property of the MgO-based magnetic tunnel junction using field-induced ferromagnetic resonance. Applied Physics Letters, 2013, 102, 162409.	3.3	6
126	Characterization of MgO Thin Films Grown on Carbon Materials by Molecular Beam Epitaxy. Japanese Journal of Applied Physics, 2013, 52, 070208.	1.5	1

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127	Spin-Torque Oscillator Based on Magnetic Tunnel Junction with a Perpendicularly Magnetized Free Layer and In-Plane Magnetized Polarizer. Applied Physics Express, 2013, 6, 103003.	2.4	144
128	Growth of a High-Quality Ultrathin Fe(001) Layer on MgO(001) by Insertion of an Ultrathin Î³-Fe₂O₃Layer. Applied Physics Express, 2013, 6, 113004.	2.4	9
129	Nonlinear thermal effect on sub-gigahertz ferromagnetic resonance in magnetic tunnel junction. Applied Physics Letters, 2013, 103, .	3.3	3
130	Composition Dependence of Perpendicular Magnetic Anisotropy in Ta/Co_xFe_{80-x}B₂₀/MgO/Ta (x=0, 10, 60) Multilayers. Journal of Magnetics, 2013, 18, 5-8.	0.4	8
131	Observation of weak temperature dependence of spin diffusion length in highly-doped Si by using a non-local 3-terminal method. Journal of Applied Physics, 2012, 111, 07C322.	2.5	2
132	Effect of spin drift on spin accumulation voltages in highly doped silicon. Applied Physics Letters, 2012, 101, .	3.3	32
133	Enhancement of perpendicular magnetic anisotropy in FeB free layers using a thin MgO cap layer. Journal of Applied Physics, 2012, 111, .	2.5	85
134	Investigation of the inverted Hanle effect in highly doped Si. Physical Review B, 2012, 86, .	3.2	57
135	Enhancement of Spin Diode Signals from Fe Nanoparticles in MgO-Based Magnetic Tunnel Junctions. Applied Physics Express, 2012, 5, 123001.	2.4	6
136	Pulse voltage-induced dynamic magnetization switching in magnetic tunneling junctions with high resistance-area product. Applied Physics Letters, 2012, 101, .	3.3	77
137	Spintronic oscillator based on magnetic field feedback. Applied Physics Letters, 2012, 101, .	3.3	15
138	Induction of coherent magnetization switching in a few atomic layers of FeCo using voltage pulses. Nature Materials, 2012, 11, 39-43.	27.5	659
139	Electric-field-induced ferromagnetic resonance excitation in an ultrathin ferromagnetic metalÂlayer. Nature Physics, 2012, 8, 491-496.	16.7	223
140	Observation of Magneticâ€ŠSwitching and Multiferroicâ€ŠLike Behavior of Co Nanoparticles in a C₆₀ Matrix. Advanced Functional Materials, 2012, 22, 3845-3852.	14.9	6
141	Spin-dependent quantum well effect in fully epitaxial Cr/ultrathin Fe/MgO/Fe magnetic tunnel junctions. Solid State Communications, 2012, 152, 273-277.	1.9	5
142	Gain and Fan-Out in a Current-Field Driven Spin Transistor With an Assisting AC Magnetic Field. IEEE Transactions on Magnetics, 2012, 48, 1134-1138.	2.1	2
143	Optical Pump and Probe Measurements of the Magnetization Dynamics in Antiferromagnetically Coupled Fe Layers. Journal of the Magnetics Society of Japan, 2012, 36, 24-27.	0.9	1
144	Spin-RAM for Normally-Off Computer. , 2011, , .		4

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145	Spin control by application of electric current and voltage in FeCoâ€“MgO junctions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3658-3678.	3.4	14
146	Room-Temperature Electron Spin Transport in a Highly Doped Si Channel. Applied Physics Express, 2011, 4, 023003.	2.4	177
147	Spin-torque induced rf oscillation in magnetic tunnel junctions with an Fe-rich CoFeB free layer. Journal of Physics: Conference Series, 2011, 266, 012098.	0.4	9
148	Strong quantum interference effect in fully epitaxial Cr/Fe/MgO/Fe magnetic tunnel junctions with ultrathin-Fe electrodes at room temperature. Journal of Applied Physics, 2011, 109, 07C719.	2.5	5
149	High Spin-Torque Diode Sensitivity in CoFeB/MgO/CoFeB Magnetic Tunnel Junctions Under DC Bias Currents. IEEE Transactions on Magnetics, 2011, 47, 3373-3376.	2.1	17
150	Large change in perpendicular magnetic anisotropy induced by an electric field in FePd ultrathin films. Applied Physics Letters, 2011, 98, .	3.3	88
151	Spin transport properties in silicon in a nonlocal geometry. Physical Review B, 2011, 83, .	3.2	31
152	Comparison of spin signals in silicon between nonlocal four-terminal and three-terminal methods. Applied Physics Letters, 2011, 98, .	3.3	61
153	High-Speed Spin-Transfer Switching in GMR Nano-Pillars With Perpendicular Anisotropy. IEEE Transactions on Magnetics, 2011, 47, 1599-1602.	2.1	33
154	Boltzmann approach to dissipation produced by a spin-polarized current. Physical Review B, 2011, 83, .	3.2	23
155	Quantitative Analysis of Coherent and Incoherent Tunneling Currents in MgO-Based Epitaxial Magnetic Tunnel Junctions. Japanese Journal of Applied Physics, 2011, 50, 063003.	1.5	1
156	Quantitative Evaluation of Voltage-Induced Magnetic Anisotropy Change by Magnetoresistance Measurement. Applied Physics Express, 2011, 4, 043005.	2.4	111
157	Local and non-local magnetoresistance with spin precession in highly doped Si. Applied Physics Letters, 2011, 98, .	3.3	27
158	Negative Dynamic Resistance and RF Amplification in Magnetic Tunnel Junctions. Journal of Magnetics, 2011, 16, 140-144.	0.4	5
159	Quantitative Analysis of Coherent and Incoherent Tunneling Currents in MgO-Based Epitaxial Magnetic Tunnel Junctions. Japanese Journal of Applied Physics, 2011, 50, 063003.	1.5	0
160	Study of Kondo effect in MgO-based magnetic tunnel junctions by electron tunnelling spectroscopy. Journal of Physics: Conference Series, 2010, 200, 052004.	0.4	4
161	Microwave-Assisted Magnetization Reversal in a Perpendicularly Magnetized Film. Applied Physics Express, 2010, 3, 013002.	2.4	39
162	Temperature dependence of spin diffusion length in silicon by Hanle-type spin precession. Applied Physics Letters, 2010, 96, .	3.3	83

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163	High efficient spin transfer torque writing on perpendicular magnetic tunnel junctions for high density MRAMs. Current Applied Physics, 2010, 10, e87-e89.	2.4	168
164	Evidence of Electrical Spin Injection Into Silicon Using MgO Tunnel Barrier. IEEE Transactions on Magnetics, 2010, 46, 1436-1439.	2.1	47
165	Contribution of electronâ€“magnon scattering to the spin-dependent Seebeck effect in a ferromagnet. Solid State Communications, 2010, 150, 466-470.	1.9	15
166	Coupled-Mode Excitations Induced in an Antiferromagnetically Coupled Multilayer by Spin-Transfer Torque. Applied Physics Express, 2010, 3, 033001.	2.4	17
167	Voltage-induced perpendicular magnetic anisotropy change in magnetic tunnel junctions. Applied Physics Letters, 2010, 96, .	3.3	228
168	rf auto-oscillations in antiferromagnetically coupled layers with different coupling strengths. Applied Physics Letters, 2010, 97, 162508.	3.3	19
169	Spin-torque FMR and large rectification sensitivity in Fe-rich CoFeB-MgO magnetic tunnel junctions. , 2010, , .		0
170	Voltage induced magnetic anisotropy change in ultrathin Fe80Co20/MgO junctions with Brillouin light scattering. Applied Physics Letters, 2010, 96, .	3.3	50
171	Investigation of Spin-Dependent Transport Properties and Spinâ€“Spin Interactions in a Copper-Phthalocyanineâ€“Cobalt Nanocomposite System. Japanese Journal of Applied Physics, 2010, 49, 033002.	1.5	7
172	Spin-transfer-torque-induced rf oscillations in CoFeB/MgO/CoFeB magnetic tunnel junctions under a perpendicular magnetic field. Physical Review B, 2010, 81, .	3.2	36
173	Large Diode Sensitivity of CoFeB/MgO/CoFeB Magnetic Tunnel Junctions. Applied Physics Express, 2010, 3, 073001.	2.4	55
174	Electrical Detection of Changes in Voltage-induced Magnetic Anisotropyin Magnetic Tunnel Junctions. Journal of the Magnetics Society of Japan, 2010, 34, 289-292.	0.9	0
175	Spin-Injection Phenomena and Applications. , 2009, , 93-153.		11
176	Enhanced magnetoresistance due to charging effects in a molecular nanocomposite spin device. Physical Review B, 2009, 79, .	3.2	17
177	Spin-dependent tunneling in epitaxial Fe/Cr/MgO/Fe magnetic tunnel junctions with an ultrathin Cr(001) spacer layer. Physical Review B, 2009, 79, .	3.2	31
178	Voltage control of in-plane magnetic anisotropy in ultrathin Feâˆ•n-GaAs(001) Schottky junctions. Applied Physics Letters, 2009, 94, .	3.3	21
179	Influence of perpendicular magnetic anisotropy on spin-transfer switching current in CoFeBâˆ•MgOâˆ•CoFeB magnetic tunnel junctions. Journal of Applied Physics, 2009, 105, .	2.5	164
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