Kay Yakushiji

List of Publications by Year
in descending order

182	8,762	50170 46	48187 88
papers	citations	h-index	g-index

184	184	184	5624
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing the interfacial perpendicular magnetic anisotropy and tunnel magnetoresistance by inserting an ultrathin LiF layer at an Fe/MgO interface. NPG Asia Materials, 2022, 14, .	3.8	10
2	Ferrimagnetic compensation and its thickness dependence in TbFeCo alloy thin films. Applied Physics Letters, 2022, 120, .	1.5	8
3	Binding events through the mutual synchronization of spintronic nano-neurons. Nature Communications, 2022, 13, 883.	5.8	18
4	Perpendicular magnetic anisotropy and its voltage control in MgO/CoFeB/Mo/CoFeB/MgO junctions. Journal Physics D: Applied Physics, 2022, 55, 275003.	1.3	3
5	Improvement in perpendicular magnetic anisotropy and its voltage control efficiency in CoFeB/MgO tunnel junctions with Ta/Mo layered adhesion structures. Journal of Applied Physics, 2022, 131, 213901.	1.1	1
6	Perpendicular magnetic anisotropy and its electrical control in FeNiB ultrathin films. AIP Advances, 2021, 11, .	0.6	2
7	Reservoir Computing Leveraging the Transient Non-linear Dynamics of Spin-Torque Nano-Oscillators. Natural Computing Series, 2021, , 307-329.	2.2	4
8	Low frequency 1/f noise in deep submicrometer-sized magnetic tunnel junctions. Journal of Applied Physics, 2021, 129, .	1.1	2
9	Spinâ€“torque dynamics for noise reduction in vortex-based sensors. Applied Physics Letters, 2021, 118, .	1.5	6
10	Recent progress in random number generator using voltage pulse-induced switching of nano-magnet: A perspective. APL Materials, 2021, 9, .	2.2	9
11	Low Gilbert damping in epitaxial thin films of the nodal-line semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>D</mml:mi><mml:msub><mml:mn>0</mml:mn><mml:mn mathvariant="normal">Fe</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Ga</mml:mi></mml:math>. Physical Review B, 2021, 103, .	1.1	5
12	Spinâ€“orbit torque switching of the antiferromagnetic state in polycrystalline Mn3Sn/Cu/heavy metal heterostructures. AIP Advances, 2021, 11, .	0.6	10
13	Fabrication of polycrystalline Weyl antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml:msub> thin films on various seed layers. Physical Review Materials, 2021, 5, .	2.4	8
14	Dzyaloshinskiiâ€“Moriya interaction in noncentrosymmetric superlattices. Npj Computational Materials, 2021, 7, .	3.5	17
15	Control of the stochastic response of magnetization dynamics in spin-torque oscillator through radio-frequency magnetic fields. Scientific Reports, 2021, 11, 16285.	1.6	5
16	Perpendicular magnetic anisotropy and its voltage control in MgO/CoFeB/MgO junctions with atomically thin Ta adhesion layers. Acta Materialia, 2021, 216, 117097.	3.8	19
17	Giant charge-to-spin conversion in ferromagnet via spin-orbit coupling. Nature Communications, 2021, 12, 6254.	5.8	20
18	Chaos in spin-torque oscillator with feedback circuit. Physical Review Research, 2021, 3, .	1.3	4

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19	Voltage-Driven Magnetization Switching Controlled by Microwave Electric Field Pumping. Nano Letters, 2020, 20, 6012-6017.	4.5	14
20	Influence of flicker noise and nonlinearity on the frequency spectrum of spin torque nano-oscillators. Scientific Reports, 2020, 10, 13116.	1.6	4
21	Spin-orbit torque generated from perpendicularly magnetized Co/Ni multilayers. Physical Review B, 2020, 101, .	1.1	16
22	Fully epitaxial giant magnetoresistive devices with half-metallic Heusler alloy fabricated on poly-crystalline electrode using three-dimensional integration technology. Acta Materialia, 2020, 200, 1038-1045.	3.8	11
23	Voltage-Driven Magnetization Switching Using Inverse-Bias Schemes. Physical Review Applied, 2020, 13, .	1.5	18
24	Role of non-linear data processing on speech recognition task in the framework of reservoir computing. Scientific Reports, 2020, 10, 328.	1.6	48
25	Temperature dependence of higher-order magnetic anisotropy constants and voltage-controlled magnetic anisotropy effect in a Cr/Fe/MgO junction. Japanese Journal of Applied Physics, 2020, 59, 010901.	0.8	6
26	Electrical manipulation of a topological antiferromagnetic state. Nature, 2020, 580, 608-613.	13.7	212
27	Large Spin-Orbit-Torque Efficiency Generated by Spin Hall Effect in Paramagnetic Co - Ni - B Alloys. Physical Review Applied, 2020, 14, .	1.5	13
28	High frequency voltage-induced ferromagnetic resonance in magnetic tunnel junctions. Applied Physics Letters, 2019, 115, 072401.	1.5	1
29	Evaluation of higher order magnetic anisotropy in a perpendicularly magnetized epitaxial ultrathin Fe layer and its applied voltage dependence. Japanese Journal of Applied Physics, 2019, 58, 090905.	0.8	10
30	Fully epitaxial magnetic tunnel junction on a silicon wafer. Applied Physics Letters, 2019, 115, .	1.5	12
31	CoFeB/MgO/CoFeB magnetic tunnel junctions prepared by layer-by-layer growth of naturally oxidized MgO. Applied Physics Express, 2019, 12, 103003.	1.1	1
32	Temporal Pattern Recognition with Delayed-Feedback Spin-Torque Nano-Oscillators. Physical Review Applied, 2019, 12, .	1.5	45
33	Surface smoothing process for high-performance MgO-based magnetic tunnel junctions. Applied Physics Express, 2019, 12, 023002.	1.1	15
34	Low offset frequency <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mi>f</mml:mi> flicker noise in spin-torque vortex oscillators. Physical Review B, 2019, 99, .	1.1	
35	Enhanced perpendicular magnetocrystalline anisotropy energy in an artificial magnetic material with bulk spin-momentum coupling. Physical Review B, 2019, 99, .	1.1	16
36	Mutual Synchronization of Spin-Torque Nano-Oscillators Via Oersted Magnetic Fields Created by Waveguides. Physical Review Applied, 2019, 11, .	1.5	11

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37	Physical reservoir computing based on spin torque oscillator with forced synchronization. Applied Physics Letters, 2019, 114, .	1.5	106
38	Development of â€œspin diceâ€Ââ€” A Scalable Random Number Generator Based on Spin-Torque Switching. Spin, 2019, 09, 1940009.	0.6	2
39	Microwave magnetic field modulation of spin torque oscillator based on perpendicular magnetic tunnel junctions. Scientific Reports, 2019, 9, 19091.	1.6	4
40	Microwave amplification in a magnetic tunnel junction induced by heat-to-spin conversion at the nanoscale. Nature Nanotechnology, 2019, 14, 40-43.	15.6	26
41	Write-Error Reduction of Voltage-Torque-Driven Magnetization Switching by aÂControlled Voltage Pulse. Physical Review Applied, 2019, 11, .	1.5	32
42	Improvement of write error rate in voltage-driven magnetization switching. Journal Physics D: Applied Physics, 2019, 52, 164001.	1.3	36
43	Development of Three-Dimensional Integration Technology for Magnetic Random Access Memories. Journal of Japan Institute of Electronics Packaging, 2019, 22, 495-500.	0.0	0
44	Giant magnetoresistance in perpendicularly magnetized synthetic antiferromagnetic coupling with Ir spacer. AIP Advances, 2018, 8, .	0.6	3
45	Spin-transfer torque induced by the spin anomalous Hall effect. Nature Electronics, 2018, 1, 120-123.	13.1	108
46	Effect of external magnetic field on locking range of spintronic feedback nano oscillator. AIP Advances, 2018, 8, .	0.6	3
47	Fabrication of Mg-X-O (X = Fe, Co, Ni, Cr, Mn, Ti, V, and Zn) barriers for magnetic tunnel junctions. AIP Advances, 2018, 8, .	0.6	8
48	Microwave Neural Processing and Broadcasting with Spintronic Nano-Oscillators. , 2018, , .		0
49	Low frequency noise in vortex spin torque nano-oscillators. , 2018, , .		0
50	Brain-Inspired Computing with Spintronics Devices. , 2018, , .		1
51	Evaluation of memory capacity of spin torque oscillator for recurrent neural networks. Japanese Journal of Applied Physics, 2018, 57, 120307.	0.8	35
52	Vowel recognition with four coupled spin-torque nano-oscillators. Nature, 2018, 563, 230-234.	13.7	356
53	Scaling up electrically synchronized spin torque oscillator networks. Scientific Reports, 2018, 8, 13475.	1.6	49
54	Achievement of high diode sensitivity via spin torque-induced resonant expulsion in vortex magnetic tunnel junction. Applied Physics Express, 2018, 11, 053001.	1.1	23

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55	Self-Injection Locking of a Spin Torque Nano-Oscillator to Magnetic Field Feedback. Physical Review Applied, 2018, 10, .	1.5	11
56	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: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, .	1.5	9
57	Thermally Induced Precession-Orbit Transition of Magnetization in Voltage-Driven Magnetization Switching. Physical Review Applied, 2018, 10, .	1.5	29
58	Very strong antiferromagnetic interlayer exchange coupling with iridium spacer layer for perpendicular magnetic tunnel junctions. Applied Physics Letters, 2017, 110, .	1.5	65
59	Three-dimensional integration technology of magnetic tunnel junctions for magnetoresistive random access memory application. Applied Physics Express, 2017, 10, 063002.	1.1	10
60	Mutual synchronization of spin torque nano-oscillators through a long-range and tunable electrical coupling scheme. Nature Communications, 2017, 8, 15825.	5.8	85
61	Reduction in write error rate of voltage-driven dynamic magnetization switching by improving thermal stability factor. Applied Physics Letters, 2017, 111, .	1.5	60
62	Erosion and morphology changes of F82H steel under simultaneous hydrogen and helium irradiation. Fusion Engineering and Design, 2017, 124, 356-359.	1.0	5
63	Driven energy transfer between coupled modes in spin-torque oscillators. Physical Review B, 2017, 95, .	1.1	3
64	Neuromorphic computing with nanoscale spintronic oscillators. Nature, 2017, 547, 428-431.	13.7	893
65	Measurement of shot noise in magnetic tunnel junction and its utilization for accurate system calibration. Journal of Applied Physics, 2017, 122, .	1.1	4
66	Low-Energy Truly Random Number Generation with Superparamagnetic Tunnel Junctions for Unconventional Computing. Physical Review Applied, 2017, 8, .	1.5	106
67	Physical Origin and Theoretical Limit of the Phase Stability of a Spin-Torque Oscillator Stabilized by a Phase-Locked Loop. Physical Review Applied, 2017, 7, .	1.5	2
68	Neuromorphic computing through time-multiplexing with a spin-torque nano-oscillator. , 2017, IEDM 2017, .		16
69	Integer, Fractional, and Sideband Injection Locking of a Spintronic Feedback Nano-Oscillator to a Microwave Signal. Physical Review Applied, 2017, 8, .	1.5	16
70	Evaluation of write error rate for voltage-driven dynamic magnetization switching in magnetic tunnel junctions with perpendicular magnetization. Applied Physics Express, 2016, 9, 013001.	1.1	87
71	Self-Injection Locking of a Vortex Spin Torque Oscillator by Delayed Feedback. Scientific Reports, 2016, 6, 26849.	1.6	40
72	Coherent microwave generation by spintronic feedback oscillator. Scientific Reports, 2016, 6, 30747.	1.6	31

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73	Temperature dependence of spin-orbit torques in W/CoFeB bilayers. Applied Physics Letters, 2016, 109, .	1.5	25
74	Microwave emission power exceeding 10â€‰Î¼W in spin torque vortex oscillator. Applied Physics Letters, 2016, 109, .	1.5	51
75	Diameter dependence of emission power in MgO-based nano-pillar spin-torque oscillators. Applied Physics Letters, 2016, 108, .	1.5	12
76	Extremely Coherent Microwave Emission from Spin Torque Oscillator Stabilized by Phase Locked Loop. Scientific Reports, 2016, 5, 18134.	1.6	51
77	Spin-wave eigenmodes in single disk-shaped FeB nanomagnet. Physical Review B, 2016, 94, .	1.1	9
78	A magnetic synapse: multilevel spin-torque memristor with perpendicular anisotropy. Scientific Reports, 2016, 6, 31510.	1.6	186
79	Analysis of phase noise in a spin torque oscillator stabilized by phase locked loop. Applied Physics Express, 2016, 9, 053005.	1.1	10
80	Magnetic field angle dependence of out-of-plane precession in spin torque oscillators having an in-plane magnetized free layer and a perpendicularly magnetized reference layer. Applied Physics Express, 2016, 9, 053006.	1.1	13
81	Twist in the bias dependence of spin torques in magnetic tunnel junctions. Physical Review B, 2016, 93, .	1.1	5
82	Influence of output power of a spin torque oscillator on phase locked loop operation. Japanese Journal of Applied Physics, 2016, 55, 093003.	0.8	3
83	Microwave detection based on magnetoresistance effect in spintronic devices. , 2016, , .		1
84	Influence of helium on deuterium retention in reduced activation ferritic martensitic steel (F82H) under simultaneous deuterium and helium irradiation. Physica Scripta, 2016, T167, 014067.	1.2	9
85	Multi-bits memory cell using degenerated magnetic states in a synthetic antiferromagnetic reference layer. Journal of Magnetism and Magnetic Materials, 2016, 400, 370-373.	1.0	0
86	Spin-torque resonant expulsion of the vortex core for an efficient radiofrequency detection scheme. Nature Nanotechnology, 2016, 11, 360-364.	15.6	75
87	Perpendicular magnetic tunnel junction with enhanced anisotropy obtained by utilizing an Ir/Co interface. Applied Physics Express, 2016, 9, 013003.	1.1	22
88	Understanding of Phase Noise Squeezing Under Fractional Synchronization of a Nonlinear Spin Transfer Vortex Oscillator. Physical Review Letters, 2015, 115, 017201.	2.9	50
89	Increased magnetic damping of a single domain wall and adjacent magnetic domains detected by spin torque diode in a nanostripe. Applied Physics Letters, 2015, 107, .	1.5	6
90	Underlayer material influence on electric-field controlled perpendicular magnetic anisotropy in CoFeB/MgO magnetic tunnel junctions. Physical Review B, 2015, 91, .	1.1	83

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91	Generation of highly stable 5 GHz microwave from a spin torque oscillator by phase locked loop referenced to a 80 MHz clock. , 2015, , .		1
92	Spin dice (physical random number generator using spin torque switching) and its thermal response. , 2015, , .		4
93	Perpendicular magnetic anisotropy of Ir/CoFeB/MgO trilayer system tuned by electric fields. Applied Physics Express, 2015, 8, 053003.	1.1	73
94	Perpendicular magnetic tunnel junctions with strong antiferromagnetic interlayer exchange coupling at first oscillation peak. Applied Physics Express, 2015, 8, 083003.	1.1	53
95	Three-Terminal Device for Realizing a Voltage-Driven Spin Transistor. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	0
96	Discontinuous frequency drop in spin torque oscillator with a perpendicularly magnetized FeB free layer. Japanese Journal of Applied Physics, 2014, 53, 060307.	0.8	6
97	Damping parameter and interfacial perpendicular magnetic anisotropy of FeB nanopillar sandwiched between MgO barrier and cap layers in magnetic tunnel junctions. Applied Physics Express, 2014, 7, 033004.	1.1	28
98	Ultrahigh Sensitivity Ferromagnetic Resonance Measurement Based on Microwave Interferometer. IEEE Magnetics Letters, 2014, 5, 1-4.	0.6	19
99	Controlling the chirality and polarity of vortices in magnetic tunnel junctions. Applied Physics Letters, 2014, 105, .	1.5	28
100	Large amplitude spin torque vortex oscillations at zero external field using a perpendicular spin polarizer. Applied Physics Letters, 2014, 105, .	1.5	35
101	Nonlinear Behavior and Mode Coupling in Spin-Transfer Nano-Oscillators. Physical Review Applied, 2014, 2, .	1.5	28
102	Observations of thermally excited ferromagnetic resonance on spin torque oscillators having a perpendicularly magnetized free layer. Journal of Applied Physics, 2014, 115, 17C740.	1.1	16
103	Highly sensitive nanoscale spin-torque diode. Nature Materials, 2014, 13, 50-56.	13.3	228
104	Spin dice: A scalable truly random number generator based on spintronics. Applied Physics Express, 2014, 7, 083001.	1.1	174
105	Spintronic nano-oscillators: Towards nanoscale and tunable frequency devices. , 2014, , .		9
106	High emission power and Q factor in spin torque vortex oscillator consisting of FeB free layer. Applied Physics Express, 2014, 7, 063009.	1.1	58
107	Bias field angle dependence of the self-oscillation of spin torque oscillators having a perpendicularly magnetized free layer and in-plane magnetized reference layer. Applied Physics Express, 2014, 7, 063005.	1.1	19
108	Magnetization switching assisted by high-frequency-voltage-induced ferromagnetic resonance. Applied Physics Express, 2014, 7, 073002.	1.1	25

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109	Response to noise of a vortex based spin transfer nano-oscillator. Physical Review B, 2014, 89, .	1.1	74
110	MgO overlayer thickness dependence of perpendicular magnetic anisotropy in CoFeB thin films. Journal of the Korean Physical Society, 2013, 62, 1461-1464.	0.3	21
111	Future prospects of MRAM technologies. , 2013, , .		42
112	Parametric excitation of magnetic vortex gyrations in spin-torque nano-oscillators. Physical Review B, 2013, 88, .	1.1	23
113	High domain wall velocities via spin transfer torque using vertical current injection. Scientific Reports, 2013, 3, 1829.	1.6	39
114	Voltage-Induced Magnetic Anisotropy Changes in an Ultrathin FeB Layer Sandwiched between Two MgO Layers. Applied Physics Express, 2013, 6, 073005.	1.1	52
115	Ultralow-Voltage Spin-Transfer Switching in Perpendicularly Magnetized Magnetic Tunnel Junctions with Synthetic Antiferromagnetic Reference Layer. Applied Physics Express, 2013, 6, 113006.	1.1	67
116	Effect of MgO Cap Layer on Gilbert Damping of FeB Electrode Layer in MgO-Based Magnetic Tunnel Junctions. Applied Physics Express, 2013, 6, 073002.	1.1	49
117	Time-resolved observation of fast domain-walls driven by vertical spin currents in short tracks. Applied Physics Letters, 2013, 103, .	1.5	14
118	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.	1.1	144
119	Nonlinear thermal effect on sub-gigahertz ferromagnetic resonance in magnetic tunnel junction. Applied Physics Letters, 2013, 103, .	1.5	3
120	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.	0.2	8
121	Spin-torque diode spectrum of ferromagnetically coupled (FeB/CoFe)/Ru/(CoFe/FeB) synthetic free layer. Journal of Applied Physics, 2012, 111, 07C917.	1.1	6
122	Enhancement of perpendicular magnetic anisotropy in FeB free layers using a thin MgO cap layer. Journal of Applied Physics, 2012, 111, .	1.1	85
123	Statistical Variance in Switching Probability of Spin-Torque Switching in MgO-MTJ. IEEE Transactions on Magnetics, 2012, 48, 4344-4346.	1.2	3
124	Electric-field-induced ferromagnetic resonance excitation in an ultrathin ferromagnetic metalÂlayer. Nature Physics, 2012, 8, 491-496.	6.5	223
125	Temperature dependence of microwave voltage emission associated to spin-transfer induced vortex oscillation in magnetic tunnel junction. Applied Physics Letters, 2012, 100, .	1.5	23
126	Spin-RAM for Normally-Off Computer. , 2011, , .		4

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127	Tunnel Magnetoresistance above 170% and Resistanceâ€“Area Product of 1 Î© (Âµm)²Attained byIn situAnnealing of Ultra-Thin MgO Tunnel Barrier. Applied Physics Express, 2011, 4, 033002.	1.1	64
128	Phase locking of vortex based spin transfer oscillators to a microwave current. Applied Physics Letters, 2011, 98, .	1.5	74
129	Preparation of Highly-Oriented Co2MnSi Films on a Non-Single-Crystalline Substrate Using a Titaniumâ€“Nitride Buffer Layer. Japanese Journal of Applied Physics, 2011, 50, 028001.	0.8	1
130	Switching-probability distribution of spin-torque switching in MgO-based magnetic tunnel junctions. Applied Physics Letters, 2011, 99, 112504.	1.5	11
131	Large microwave generation from current-driven magnetic vortex oscillators in magnetic tunnel junctions. Nature Communications, 2010, 1, 8.	5.8	336
132	High efficient spin transfer torque writing on perpendicular magnetic tunnel junctions for high density MRAMs. Current Applied Physics, 2010, 10, e87-e89.	1.1	168
133	Enhancement of Thermal Stability Using Ferromagnetically Coupled Synthetic Free Layers in MgO-Based Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2010, 46, 2232-2235.	1.2	15
134	Evaluation of barrier uniformity in magnetic tunnel junctions prepared using natural oxidation of thin Mg layers. Journal of Applied Physics, 2010, 108, 123915.	1.1	13
135	Giant Peltier Effect in a Submicron-Sized Cuâ€“Ni/Au Junction with Nanometer-Scale Phase Separation. Applied Physics Express, 2010, 3, 065204.	1.1	22
136	High Magnetoresistance Ratio and Low Resistanceâ€“Area Product in Magnetic Tunnel Junctions with Perpendicularly Magnetized Electrodes. Applied Physics Express, 2010, 3, 053003.	1.1	80
137	Ultrathin Co/Pt and Co/Pd superlattice films for MgO-based perpendicular magnetic tunnel junctions. Applied Physics Letters, 2010, 97, .	1.5	255
138	Direct Imaging of Local Spin Orientation within Artificial Nanomagnets. Applied Physics Express, 2010, 3, 063001.	1.1	4
139	Frequency Converter Based on Nanoscale MgO Magnetic Tunnel Junctions. Applied Physics Express, 2009, 2, 123003.	1.1	7
140	Spin-dependent tunneling in epitaxial Fe/Cr/MgO/Fe magnetic tunnel junctions with an ultrathin Cr(001) spacer layer. Physical Review B, 2009, 79, .	1.1	31
141	Influence of perpendicular magnetic anisotropy on spin-transfer switching current in CoFeBâˆ•MgOâˆ•CoFeB magnetic tunnel junctions. Journal of Applied Physics, 2009, 105, .	1.1	164
142	Reduction in switching current using a low-saturation magnetization Coâ€“Feâ€“(Cr, V)â€“B free layer in MgO-based magnetic tunnel junctions. Journal of Applied Physics, 2009, 105, 07D117.	1.1	17
143	Thermal stability and spin-transfer switchings in MgO-based magnetic tunnel junctions with ferromagnetically and antiferromagnetically coupled synthetic free layers. Applied Physics Letters, 2009, 95, .	1.5	42
144	Spin-torque-induced switching and precession in fully epitaxial Fe/MgO/Fe magnetic tunnel junctions. Physical Review B, 2009, 80, .	1.1	32

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145	Quantitative measurement of voltage dependence of spin-transfer torque in MgO-based magnetic tunnel junctions. Nature Physics, 2008, 4, 37-41.	6.5	485
146	Detection of an Infrared Magnetorefractive Effect From a Layered Fe/MgO/Fe Magnetic Tunnel Junction. IEEE Transactions on Magnetics, 2008, 44, 2566-2568.	1.2	3
147	Lower-current and fast switching of a perpendicular TMR for high speed and high density spin-transfer-torque MRAM. , 2008, , .		172
148	Magnetization process of lotus-type porous metals. Journal of Applied Physics, 2008, 103, 093539.	1.1	8
149	Dependence of switching current distribution on current pulse width of current-induced magnetization switching in MgO-based magnetic tunnel junction. Journal of Applied Physics, 2008, 103, 07A707.	1.1	9
150	Current-induced tunnel magnetoresistance due to spin accumulation in Au nanoparticles. Applied Physics Letters, 2008, 92, 152509.	1.5	16
151	Spin accumulation in metallic nanoparticles. Journal of Physics Condensed Matter, 2007, 19, 165214.	0.7	15
152	Preparation and magnetotransport properties of MgO-barrier-based magnetic double tunnel junctions including nonmagnetic nanoparticles. Journal Physics D: Applied Physics, 2007, 40, 1242-1246.	1.3	10
153	Oscillatory interlayer exchange coupling in epitaxial Co2MnSiâˆ•Crâˆ•Co2MnSi trilayers. Applied Physics Letters, 2007, 90, 142510.	1.5	36
154	Magnetic and Magnetotransport Properties in Nanogranular Co/C₆₀-Co Film with High Magnetoresistance. Materials Transactions, 2007, 48, 754-758.	0.4	10
155	Numerical simulation of magnetization process in epitaxial Co2MnSiâˆ•Crâˆ•Co2MnSi trilayers with oscillatory interlayer coupling. Journal of Applied Physics, 2007, 101, 09J510.	1.1	11
156	Size distribution of precipitated Ni clusters on the surface of an alkaline-treated LaNi5-based alloy. Acta Materialia, 2007, 55, 481-485.	3.8	22
157	Spin-dependent tunneling and Coulomb blockade in ferromagnetic nanoparticles. Physics Reports, 2007, 451, 1-35.	10.3	52
158	Epitaxial growth of L10-FePt/MgO/L10-FePt (001) trilayer structures. Journal of Magnetism and Magnetic Materials, 2007, 310, 1905-1907.	1.0	10
159	Coulomb staircase and tunnel magnetoresistance in nanowire-shaped granular films. Journal of Magnetism and Magnetic Materials, 2006, 303, e355-e358.	1.0	3
160	Tunnel magnetoresistance in Co nanoparticle/Coâ€“C60 compound hybrid system. Applied Physics Letters, 2006, 89, 113118.	1.5	68
161	Current-perpendicular-to-plane magnetoresistance in epitaxial Co2MnSiâˆ•Crâˆ•Co2MnSi trilayers. Applied Physics Letters, 2006, 88, 222504.	1.5	133
162	Magnetization switching in nanopillars with FePt alloys by spin-polarized current. Journal of Applied Physics, 2006, 99, 08G521.	1.1	15

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163	Magnetization reversal by spin-transfer torque in 90Â° configuration with a perpendicular spin polarizer. Applied Physics Letters, 2006, 89, 172504.	1.5	54
164	Dot size dependence of magnetic properties in microfabricated L10-FePt (001) and L10-FePt (110) dot arrays. Journal of Applied Physics, 2006, 100, 043915.	1.1	33
165	Spin-polarized current-induced magnetization reversal in perpendicularly magnetized L10-FePt layers. Applied Physics Letters, 2006, 88, 172504.	1.5	129
166	Improvement of hard magnetic properties in microfabricated L1/sub 0/-FePt dot arrays upon post-annealing. IEEE Transactions on Magnetics, 2005, 41, 3604-3606.	1.2	21
167	Spin-dependent single-electron-tunneling effects in epitaxial Fe nanoparticles. Applied Physics Letters, 2004, 84, 3106-3108.	1.5	38
168	Enhanced spin accumulation and novel magnetotransport in nanoparticles. Nature Materials, 2004, 4, 57-61.	13.3	160
169	Inverse tunnel magnetoresistance associated with Coulomb staircases in micro-fabricated granular systems. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1091-E1093.	1.0	2
170	Microfabricated granular films. Series in Materials Science and Engineering, 2004, , .	0.1	0
171	Tunnel magnetoresistance oscillations associated with Coulomb staircases in insulating granular systems. Journal Physics D: Applied Physics, 2002, 35, 2422-2426.	1.3	9
172	Tunnel magnetoresistance oscillations in current perpendicular to plane geometry of CoAlO granular thin films. Journal of Applied Physics, 2002, 91, 7038.	1.1	46
173	Study on spin dependent tunneling and Coulomb blockade in granular systems with restricted tunneling paths. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 84, 120-125.	1.7	11
174	Enhanced tunnel magnetoresistance in granular nanobridges. Applied Physics Letters, 2001, 78, 515-517.	1.5	89
175	Composition dependence of particle size distribution and giant magnetoresistance in Coâ€“Alâ€“O granular films. Journal of Magnetism and Magnetic Materials, 2000, 212, 75-81.	1.0	100
176	Tunnel-MR and spin electronics in metalâ€“nonmetal granular systems. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 179-184.	1.0	64
177	Anomalous behavior of temperature and bias-voltage dependence of tunnel-type giant magnetoresistance in insulating granular systems. Journal of Applied Physics, 1998, 83, 6524-6526.	1.1	31
178	Enhanced Magnetoresistance in Insulating Granular Systems: Evidence for Higher-Order Tunneling. Physical Review Letters, 1998, 81, 2799-2802.	2.9	323
179	Bias Voltage Dependence of GMR in Insulating Granular Thin Films. Journal of the Magnetics Society of Japan, 1998, 22, 577-580.	0.4	13
180	Single-Shot Measurements of Spin-Transfer Switching in CoFeB/MgO/CoFeB Magnetic Tunnel Junctions. Applied Physics Express, 0, 1, 061303.	1.1	29

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