Yoshishige Suzuki

List of Publications by Year
in descending order

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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	Giant room-temperature magnetoresistance in single-crystal Fe/MgO/Fe magnetic tunnel junctions. Nature Materials, 2004, 3, 868-871.	27.5	2,907
2	Large voltage-induced magnetic anisotropy change in a few atomic layers of iron. Nature Nanotechnology, 2009, 4, 158-161.	31.5	1,140
3	Micromagnetic understanding of current-driven domain wall motion in patterned nanowires. Europhysics Letters, 2005, 69, 990-996.	2.0	988
4	230% room-temperature magnetoresistance in CoFeBâ^•MgOâ^•CoFeB magnetic tunnel junctions. Applied Physics Letters, 2005, 86, 092502.	3.3	861
5	Spin-torque diode effect in magnetic tunnel junctions. Nature, 2005, 438, 339-342.	27.8	771
6	Induction of coherent magnetization switching in a few atomic layers of FeCo using voltage pulses. Nature Materials, 2012, 11, 39-43.	27.5	659
7	Quantitative measurement of voltage dependence of spin-transfer torque in MgO-based magnetic tunnel junctions. Nature Physics, 2008, 4, 37-41.	16.7	485
8	Bias-driven high-power microwave emission from MgO-based tunnel magnetoresistance devices. Nature Physics, 2008, 4, 803-809.	16.7	406
9	Perpendicular Magnetic Anisotropy Caused by Interfacial Hybridization via Enhanced Orbital Moment inCo/PtMultilayers: Magnetic Circular X-Ray Dichroism Study. Physical Review Letters, 1998, 81, 5229-5232.	7.8	373
10	Giant tunneling magnetoresistance up to 410% at room temperature in fully epitaxial Coâ^•MgOâ^•Co magnetic tunnel junctions with bcc Co(001) electrodes. Applied Physics Letters, 2006, 89, 042505.	3.3	329
11	High Tunnel Magnetoresistance at Room Temperature in Fully Epitaxial Fe/MgO/Fe Tunnel Junctions due to Coherent Spin-Polarized Tunneling. Japanese Journal of Applied Physics, 2004, 43, L588-L590.	1.5	269
12	Spin-Polarized Resonant Tunneling in Magnetic Tunnel Junctions. Science, 2002, 297, 234-237.	12.6	238
13	Voltage-induced perpendicular magnetic anisotropy change in magnetic tunnel junctions. Applied Physics Letters, 2010, 96, .	3.3	228
14	Highly sensitive nanoscale spin-torque diode. Nature Materials, 2014, 13, 50-56.	27.5	228
15	Electric-field-induced ferromagnetic resonance excitation in an ultrathin ferromagnetic metalÂlayer. Nature Physics, 2012, 8, 491-496.	16.7	223
16	Enhancement of the magneto-optical Kerr rotation in Fe/Cu bilayered films. Physical Review Letters, 1988, 60, 1426-1429.	7.8	209
17	Giant tunneling magnetoresistance effect in low-resistance CoFeBâ^•MgO(001)â^•CoFeB magnetic tunnel junctions for read-head applications. Applied Physics Letters, 2005, 87, 072503.	3.3	196
18	Voltage-Assisted Magnetization Switching in Ultrathin Fe₈₀Co₂₀Alloy Layers. Applied Physics Express, 0, 2, 063001.	2.4	190

#	Article	IF	Citations
19	Spin Injection into a Graphene Thin Film at Room Temperature. Japanese Journal of Applied Physics, 2007, 46, L605-L607.	1.5	182
20	Room-Temperature Electron Spin Transport in a Highly Doped Si Channel. Applied Physics Express, 2011, 4, 023003.	2.4	177
21	Characterization of growth and crystallization processes in CoFeBâ•MgOâ•CoFeB magnetic tunnel junction structure by reflective high-energy electron diffraction. Applied Physics Letters, 2005, 87, 242503.	3.3	174
22	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
23	Influence of perpendicular magnetic anisotropy on spin-transfer switching current in CoFeBâ•MgOâ•CoFeB magnetic tunnel junctions. Journal of Applied Physics, 2009, 105, .	2.5	164
24	Evaluation of Spin-Transfer Switching in CoFeB/MgO/CoFeB Magnetic Tunnel Junctions. Japanese Journal of Applied Physics, 2005, 44, L1237-L1240.	1.5	154
25	New magneto-optical transition in ultrathin Fe(100) films. Physical Review Letters, 1992, 68, 3355-3358.	7.8	145
26	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
27	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
28	Low-current spin-transfer switching and its thermal durability in a low-saturation-magnetization nanomagnet. Applied Physics Letters, 2004, 85, 5634-5636.	3.3	132
29	Voltage controlled interfacial magnetism through platinum orbits. Nature Communications, 2017, 8, 15848.	12.8	128
30	Direct Determination of Interfacial Magnetic Moments with a Magnetic Phase Transition in Co Nanoclusters on Au(111). Physical Review Letters, 2001, 87, 257201.	7.8	120
31	Quantitative Evaluation of Voltage-Induced Magnetic Anisotropy Change by Magnetoresistance Measurement. Applied Physics Express, 2011, 4, 043005.	2.4	111
32	Spin-transfer torque induced by the spin anomalous Hall effect. Nature Electronics, 2018, 1, 120-123.	26.0	108
33	Spin-transfer torque magnetoresistive random-access memory technologies for normally off computing (invited). Journal of Applied Physics, 2014, 115, .	2.5	98
34	Macromagnetic Simulation for Reservoir Computing Utilizing Spin Dynamics in Magnetic Tunnel Junctions. Physical Review Applied, 2018, 10, .	3.8	97
35	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
36	Magnetic tunnel junctions with single-crystal electrodes: A crystal anisotropy of tunnel magneto-resistance. Europhysics Letters, 2000, 52, 344-350.	2.0	92

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37	Opposite signs of voltage-induced perpendicular magnetic anisotropy change in CoFeB|MgO junctions with different underlayers. Applied Physics Letters, 2013, 103, .	3.3	89
38	Large change in perpendicular magnetic anisotropy induced by an electric field in FePd ultrathin films. Applied Physics Letters, 2011, 98, .	3.3	88
39	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
40	Enhancement of perpendicular magnetic anisotropy in FeB free layers using a thin MgO cap layer. Journal of Applied Physics, 2012, 111, .	2.5	85
41	Perfect selective alignment of nitrogen-vacancy centers in diamond. Applied Physics Express, 2014, 7, 055201.	2.4	84
42	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
43	Temperature dependence of spin diffusion length in silicon by Hanle-type spin precession. Applied Physics Letters, 2010, 96, .	3.3	83
44	Underlayer material influence on electric-field controlled perpendicular magnetic anisotropy in CoFeB/MgO magnetic tunnel junctions. Physical Review B, 2015, 91, .	3.2	83
45	Brownian motion of skyrmion bubbles and its control by voltage applications. Applied Physics Letters, 2019, 114, .	3.3	81
46	Pulse voltage-induced dynamic magnetization switching in magnetic tunneling junctions with high resistance-area product. Applied Physics Letters, 2012, 101, .	3.3	77
47	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
48	Ferromagnetism in IIâ€“VI diluted magnetic semiconductor Zn[sub 1â^'x]Cr[sub x]Te. Journal of Applied Physics, 2002, 91, 8085.	2.5	76
49	Electrical Spin Injection into Silicon Using MgO Tunnel Barrier. Applied Physics Express, 0, 2, 053003.	2.4	74
50	Giant tunneling magnetoresistance in fully epitaxial body-centered-cubic Coâ•MgOâ•Fe magnetic tunnel junctions. Applied Physics Letters, 2005, 87, 222508.	3.3	73
51	Perpendicular magnetic anisotropy of Ir/CoFeB/MgO trilayer system tuned by electric fields. Applied Physics Express, 2015, 8, 053003.	2.4	73
52	Large Emission Power over 2 ÂµW with HighQFactor Obtained from Nanocontact Magnetic-Tunnel-Junction-Based Spin Torque Oscillator. Applied Physics Express, 2013, 6, 113005.	2.4	72
53	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
54	Thickness-dependent oscillation of the magneto-optical properties of Au-sandwiched (001) Fe films. Physical Review B, 1994, 50, 12581-12586.	3.2	70

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55	Robustness of Spin Polarization in Grapheneâ€Based Spin Valves. Advanced Functional Materials, 2009, 19, 3711-3716.	14.9	70
56	Magneto-optical-Kerr-effect study of spin-polarized quantum-well states in a Au overlayer on a Co(0001) ultrathin film. Physical Review B, 1995, 51, 5586-5589.	3.2	68
57	Voltage induction of interfacial Dzyaloshinskiiâ€“Moriya interaction in Au/Fe/MgO artificial multilayer. Applied Physics Express, 2015, 8, 063004.	2.4	66
58	Rectification of radio frequency current in ferromagnetic nanowire. Applied Physics Letters, 2007, 90, 182507.	3.3	64
59	Room-temperature operation of Si spin MOSFET with high on/off spin signal ratio. Applied Physics Express, 2015, 8, 113004.	2.4	63
60	Spin-Torque Diode Effect and Its Application. Journal of the Physical Society of Japan, 2008, 77, 031002.	1.6	62
61	Subnanosecond magnetization reversal in magnetic nanopillars by spin angular momentum transfer. Applied Physics Letters, 2004, 85, 5358-5360.	3.3	61
62	Comparison of spin signals in silicon between nonlocal four-terminal and three-terminal methods. Applied Physics Letters, 2011, 98, .	3.3	61
63	Reduction in write error rate of voltage-driven dynamic magnetization switching by improving thermal stability factor. Applied Physics Letters, 2017, 111, .	3.3	60
64	Spin-orbit torque in a bulk perpendicular magnetic anisotropy Pd/FePd/MgO system. Scientific Reports, 2014, 4, 6548.	3.3	59
65	Investigation of the inverted Hanle effect in highly doped Si. Physical Review B, 2012, 86, .	3.2	57
66	Large Diode Sensitivity of CoFeB/MgO/CoFeB Magnetic Tunnel Junctions. Applied Physics Express, 2010, 3, 073001.	2.4	55
67	Oscillatory Magneto-Optical Effect in a Au (001) Film Deposited on Fe: Experimental Confirmation of a Spin-Polarized Quantum Size Effect. Physical Review Letters, 1998, 80, 5200-5203.	7.8	54
68	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
69	X-ray Absorption and X-ray Magnetic Circular Dichroism Studies of a Monatomic Fe(001) Layer Facing a Single-Crystalline MgO(001) Tunnel Barrier. Japanese Journal of Applied Physics, 2005, 44, L9-L11.	1.5	52
70	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
71	Magneto-optical Kerr effect in a paramagnetic overlayer on a ferromagnetic substrate: A spin-polarized quantum size effect. Physical Review B, 1996, 53, 9214-9220.	3.2	50
72	Voltage induced magnetic anisotropy change in ultrathin Fe80Co20/MgO junctions with Brillouin light scattering. Applied Physics Letters, 2010, 96, .	3.3	50

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73	Oscillation of saturation magneto-optical Kerr rotation in epitaxial Fe/Au/Fe and Fe/Ag/Fe(100) sandwiched films. Journal of Magnetism and Magnetic Materials, 1993, 126, 527-531.	2.3	49
74	Tunnel magnetoresistance ofC60â^'Conanocomposites and spin-dependent transport in organic semiconductors. Physical Review B, 2007, 76, .	3.2	49
75	Local magnetoresistance in Fe/MgO/Si lateral spin valve at room temperature. Applied Physics Letters, 2014, 104, .	3.3	49
76	Electric-field-induced changes of magnetic moments and magnetocrystalline anisotropy in ultrathin cobalt films. Physical Review B, 2017, 96, .	3.2	48
77	Magnetic domains of cobalt ultrathin films observed with a scanning tunneling microscope using optically pumped GaAs tips. Applied Physics Letters, 1997, 71, 3153-3155.	3.3	47
78	Transfer characteristics in graphene field-effect transistors with Co contacts. Applied Physics Letters, 2008, 93, 152104.	3.3	47
79	Evidence of Electrical Spin Injection Into Silicon Using MgO Tunnel Barrier. IEEE Transactions on Magnetics, 2010, 46, 1436-1439.	2.1	47
80	Perpendicular magnetic anisotropy and its electric-field-induced change at metal-dielectric interfaces. Journal Physics D: Applied Physics, 2019, 52, 063001.	2.8	47
81	Spin-Dependent Tunneling in Magnetic Tunnel Junctions with a Layered Antiferromagnetic Cr(001) Spacer: Role of Band Structure and Interface Scattering. Physical Review Letters, 2005, 95, 086602.	7.8	46
82	Voltage-controlled magnetic anisotropy in Fe|MgO tunnel junctions studied by x-ray absorption spectroscopy. Applied Physics Letters, 2015, 107, .	3.3	46
83	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
84	Control of Spinâ€“Orbit Torques by Interface Engineering in Topological Insulator Heterostructures. Nano Letters, 2020, 20, 5893-5899.	9.1	46
85	Dependence of spin-transfer switching current on free layer thickness in Coâ€“Feâ€“Bâ^•MgOâ^•Coâ€“Feâ€“B magnetic tunnel junctions. Applied Physics Letters, 2006, 89, 032505.	3.3	43
86	Oscillation of giant tunneling magnetoresistance with respect to tunneling barrier thickness in fully epitaxial Feâ^•MgOâ^•Fe magnetic tunnel junctions. Applied Physics Letters, 2007, 90, .	3.3	43
87	Skyrmion Brownian circuit implemented in continuous ferromagnetic thin film. Applied Physics Letters, 2020, 117, .	3.3	43
88	Future prospects of MRAM technologies. , 2013, , .		42
89	Reservoir computing with dipole-coupled nanomagnets. Japanese Journal of Applied Physics, 2019, 58, 070901.	1.5	42
90	Deterministic Electrical Charge-State Initialization of Single Nitrogen-Vacancy Center in Diamond. Physical Review X, 2014, 4, .	8.9	41

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91	Voltage-controlled magnetic anisotropy in an ultrathin Ir-doped Fe layer with a CoFe termination layer. APL Materials, 2020, 8, .	5.1	40
92	Observation of RHEED Intensity Oscillation in the Growth of Ag on Ag(100) Single Crystals. Japanese Journal of Applied Physics, 1988, 27, L1175-L1177.	1.5	39
93	Microwave-Assisted Magnetization Reversal in a Perpendicularly Magnetized Film. Applied Physics Express, 2010, 3, 013002.	2.4	39
94	Magnetoâ€optical response of nanoscaled cobalt dots array. Applied Physics Letters, 1996, 68, 3040-3042.	3.3	38
95	Crystalâ€orientation dependence on magnetic circular dichroism spectra of MnSb epitaxial film. Applied Physics Letters, 1995, 67, 141-143.	3.3	37
96	Kerr microscopy observations of magnetization process in microfabricated ferromagnetic wires. Journal of Applied Physics, 2000, 87, 5618-5620.	2.5	36
97	Tunneling spectra of sputter-deposited CoFeB/MgO/CoFeB magnetic tunnel junctions showing giant tunneling magnetoresistance effect. Solid State Communications, 2005, 136, 611-615.	1.9	36
98	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
99	Improvement of write error rate in voltage-driven magnetization switching. Journal Physics D: Applied Physics, 2019, 52, 164001.	2.8	36
100	Magneto-optical Kerr rotation spectra in ordered and disordered phases of Fe-Pt alloy films. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1002-1004.	2.3	35
101	Magnetization switching by spin-polarized current in low-resistance magnetic tunnel junction with MgO [001] barrier. IEEE Transactions on Magnetics, 2005, 41, 2633-2635.	2.1	34
102	Temperature study of the spin-transfer switching speed from dc to 100ps. Journal of Applied Physics, 2005, 98, 053904.	2.5	34
103	Instability threshold versus switching threshold in spin-transfer-induced magnetization switching. Physical Review B, 2005, 71, .	3.2	34
104	Spin-Dependent Transport in C60-Co Nano-Composites. Japanese Journal of Applied Physics, 2006, 45, L717-L719.	1.5	33
105	High-Speed Spin-Transfer Switching in GMR Nano-Pillars With Perpendicular Anisotropy. IEEE Transactions on Magnetics, 2011, 47, 1599-1602.	2.1	33
106	Magneto-optical properties of Fe-Pt alloy films in the range 1.55â€“10.5 eV. Physical Review B, 1993, 48, 16432-16439.	3.2	32
107	Precharging strategy to accelerate spin-transfer switching below the nanosecond. Applied Physics Letters, 2005, 86, 062505.	3.3	32
108	Spin-torque-induced switching and precession in fully epitaxial Fe/MgO/Fe magnetic tunnel junctions. Physical Review B, 2009, 80, .	3.2	32

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109	Effect of spin drift on spin accumulation voltages in highly doped silicon. Applied Physics Letters, 2012, 101, .	3.3	32
110	Write-Error Reduction of Voltage-Torque-Driven Magnetization Switching by aÂControlled Voltage Pulse. Physical Review Applied, 2019, 11, .	3.8	32
111	Perpendicular magnetic anisotropy in Pt/Fe multilayers. Journal of Applied Physics, 1991, 69, 5658-5660.	2.5	31
112	Quantum-well effect in magnetic tunnel junctions with ultrathin single-crystal Fe(100) electrodes. Applied Physics Letters, 2001, 79, 4381-4383.	3.3	31
113	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
114	Spin transport properties in silicon in a nonlocal geometry. Physical Review B, 2011, 83, .	3.2	31
115	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
116	Coherent microwave generation by spintronic feedback oscillator. Scientific Reports, 2016, 6, 30747.	3.3	31
117	Magneto-optical properties of Au/Fe/Ag and Ag/Fe/Au(001) sandwich films. Journal of Magnetism and Magnetic Materials, 1993, 121, 539-541.	2.3	30
118	Magnetization process of a nanometer-scale cobalt dots array formed on a reconstructed Au(111) surface. Journal of Magnetism and Magnetic Materials, 1997, 169, 38-41.	2.3	29
119	Single-Shot Measurements of Spin-Transfer Switching in CoFeB/MgO/CoFeB Magnetic Tunnel Junctions. Applied Physics Express, 0, 1, 061303.	2.4	29
120	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
121	Thermally Induced Precession-Orbit Transition of Magnetization in Voltage-Driven Magnetization Switching. Physical Review Applied, 2018, 10, .	3.8	29
122	Magneto-Optical Kerr Rotation Spectra and Perpendicular Anisotropy in Compositionally Modulated Multilayer Films of Co/Pt and Fe/Pt. Japanese Journal of Applied Physics, 1989, 28, L2333-L2335.	1.5	28
123	Light diffraction effects in the magneto-optical properties of 2D arrays of magnetic dots of Au/Co/Au(111) films with perpendicular magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 1995, 148, 293-294.	2.3	28
124	Magnetization process of a nanometer-scale cobalt dots array formed on a reconstructed Au(111) surface. Journal of Magnetism and Magnetic Materials, 1997, 165, 38-41.	2.3	28
125	Exchange coupling of NiFe/FeRhâ€“Ir thin films. Journal of Applied Physics, 1998, 83, 6813-6815.	2.5	28
126	Inspection of intrinsic critical currents for spin-transfer magnetization switching. IEEE Transactions on Magnetics, 2005, 41, 2615-2617.	2.1	28

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127	Peltier Effect in Sub-micron-Size Metallic Junctions. Japanese Journal of Applied Physics, 2005, 44, L12-L14.	1.5	28
128	Magneto-optical spectra of Fe/Au artificial superlattices modulated by integer and noninteger atomic layers. Journal of Applied Physics, 1999, 86, 4985-4996.	2.5	27
129	Local and non-local magnetoresistance with spin precession in highly doped Si. Applied Physics Letters, 2011, 98, .	3.3	27
130	MFM observation of magnetic phase transitions in ordered FeRh systems. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 181-182.	2.3	26
131	Spin-dependent transport in nanocomposites of Alq3 molecules and cobalt nanoparticles. Applied Physics Letters, 2007, 91, 063123.	3.3	26
132	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
133	Insitumeasurement of stress in Co/Cu, Co/Pd, and Co/Au compositionally modulated multilayer films. Journal of Applied Physics, 1990, 68, 4569-4572.	2.5	24
134	In situ observation of the strain of Co and Ni deposited on Pd (111) by reflection high energy electron diffraction. Journal of Applied Physics, 1991, 70, 3180-3183.	2.5	24
135	Huge magnetoresistance and low junction resistance in magnetic tunnel junctions with crystalline MgO barrier. IEEE Transactions on Magnetics, 2006, 42, 103-107.	2.1	24
136	Large magnetoresistance in rubrene-Co nano-composites. Chemical Physics Letters, 2007, 448, 106-110.	2.6	24
137	Observation of thermally driven field-like spin torque in magnetic tunnel junctions. Applied Physics Letters, 2016, 109, 032406.	3.3	24
138	Structure and magnetic properties of singleâ€crystal Fe/Au(100) superlattices synthesized using RHEED oscillation. Journal of Applied Physics, 1990, 67, 5403-5405.	2.5	23
139	Dependence on annealing temperatures of tunneling spectra in high-resistance CoFeB/MgO/CoFeB magnetic tunnel junctions. Solid State Communications, 2007, 143, 574-578.	1.9	23
140	Boltzmann approach to dissipation produced by a spin-polarized current. Physical Review B, 2011, 83, .	3.2	23
141	High-output microwave detector using voltage-induced ferromagnetic resonance. Applied Physics Letters, 2014, 105, 192408.	3.3	23
142	Temperature dependence of perpendicular magnetic anisotropy in Co/Au and Co/Pt multilayers. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1845-1846.	2.3	22
143	Simple model for the magneto-optical Kerr diffraction of a regular array of magnetic dots. Journal of Magnetism and Magnetic Materials, 1997, 165, 516-519.	2.3	22
144	Peltier effect in metallic junctions with CPP structure. IEEE Transactions on Magnetics, 2005, 41, 2571-2573.	2.1	22

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145	Numerical simulation of artificial spin ice for reservoir computing. Applied Physics Express, 2021, 14, 033001.	2.4	22
146	Magnetization switching of a magnetic wire with trilayer structure using giant magnetoresistance effect. Journal of Applied Physics, 2000, 88, 6636-6644.	2.5	21
147	Voltage control of in-plane magnetic anisotropy in ultrathin Feâˆ•n-GaAs(001) Schottky junctions. Applied Physics Letters, 2009, 94, .	3.3	21
148	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
149	Novel voltage controlled MRAM (VCM) with fast read/write circuits for ultra large last level cache. , 2016, , .		21
150	Flux Density Distribution in YBa2Cu3OxThin Films Determined by Use of the Faraday Effect in Iron Garnet Films. Japanese Journal of Applied Physics, 1991, 30, L714-L717.	1.5	20
151	Spin-sensitive scanning tunneling microscope using GaAs optically pumped tips. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 540-544.	2.3	20
152	Evidence of a topological antiferromagnetic order on ultrathin Cr(001) film surface studied by spin-polarized scanning tunneling spectroscopy. Journal of Applied Physics, 2003, 93, 6575-6577.	2.5	19
153	rf auto-oscillations in antiferromagnetically coupled layers with different coupling strengths. Applied Physics Letters, 2010, 97, 162508.	3.3	19
154	$1imes$ - 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
155	Magnetostriction and in-situ measurement of stress of Co/Pd compositionally modulated multilayer films during fabrication. IEEE Transactions on Magnetics, 1990, 26, 2742-2744.	2.1	18
156	Magnetooptical Kerr effect in Fe/Au superlattices modulated by integer atomic layers. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 1199-1200.	2.3	18
157	Surface magnetic structure of epitaxial Cr(001) films on Au(001) studied by spin-polarized scanning tunneling spectroscopy. Physical Review B, 2005, 71, .	3.2	18
158	Estimation of thermal durability and intrinsic critical currents of magnetization switching for spin-transfer based magnetic random access memory. Journal of Applied Physics, 2005, 97, 10C707.	2.5	18
159	Spin-polarized tunneling in metal-insulator-semiconductor Feâˆ•ZnSeâˆ•Ga1â^'xMnxAs magnetic tunnel diodes. Applied Physics Letters, 2006, 89, 232502.	3.3	18
160	Spin dependent tunneling spectroscopy in single crystalline bcc-Co/MgO/bcc-Co(001) junctions. Applied Physics Letters, 2008, 93, 122511.	3.3	18
161	Strong Bias Effect on Voltage-Driven Torque at Epitaxial Fe-MgO Interface. Physical Review X, 2017, 7, .	8.9	18
162	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

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163	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
164	Voltage-Driven Magnetization Switching Using Inverse-Bias Schemes. Physical Review Applied, 2020, 13, .	3.8	18
165	Enhanced magnetoresistance due to charging effects in a molecular nanocomposite spin device. Physical Review B, 2009, 79, .	3.2	17
166	Coupled-Mode Excitations Induced in an Antiferromagnetically Coupled Multilayer by Spin-Transfer Torque. Applied Physics Express, 2010, 3, 033001.	2.4	17
167	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
168	Core-level magnetic-circular-dichroism study of an Fe single crystal, Fe-Pt alloys, and an Fe/Pt multilayer. Physical Review B, 1996, 53, 8219-8222.	3.2	16
169	Transport properties of ferromagnet/insulator/semiconductor tunnel junctions. Journal of Applied Physics, 2002, 91, 10130.	2.5	16
170	Ultra-fast magnetization reversal in magnetic nano-pillars by spin-polarized current. Journal of Magnetism and Magnetic Materials, 2005, 286, 77-82.	2.3	16
171	Inelastic tunneling spectra of MgO barrier magnetic tunneling junctions showing large magnon contribution. Journal of Applied Physics, 2009, 105, .	2.5	16
172	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
173	Integer, Fractional, and Sideband Injection Locking of a Spintronic Feedback Nano-Oscillator to a Microwave Signal. Physical Review Applied, 2017, 8, .	3.8	16
174	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
175	Superconducting Current Density Profiles Estimated from the Flux Density Distribution in YBa2Cu3OxThin Films. Japanese Journal of Applied Physics, 1991, 30, L1864-L1867.	1.5	15
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