Hiroshi Naganuma

List of Publications by Year
in descending order

202	5,119	109321	106344
papers	citations	35 h-index	65 g-index

204	204	204	4728
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Perpendicular Magnetic Tunnel Junctions With Four Anti-Ferromagnetically Coupled Co/Pt Pinning Layers. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	3
2	Effect of Magnetic Coupling Between Two CoFeB Layers on Thermal Stability in Perpendicular Magnetic Tunnel Junctions With MgO/CoFeB/Insertion Layer/CoFeB/MgO Free Layer. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	2
3	Unveiling a Chemisorbed Crystallographically Heterogeneous Graphene/L1₀-FePd Interface with a Robust and Perpendicular Orbital Moment. ACS Nano, 2022, 16, 4139-4151.	14.6	10
4	Effect of oxygen incorporation on dynamic magnetic properties in Ta-O/Co-Fe-B bilayer films under out-of-plane and in-plane magnetic fields. AIP Advances, 2022, 12, 035133.	1.3	0
5	Enhancement of magnetic coupling and magnetic anisotropy in MTJs with multiple CoFeB/MgO interfaces for high thermal stability. AIP Advances, 2021, 11, .	1.3	6
6	Effect of surface modification treatment on top-pinned MTJ with perpendicular easy axis. AIP Advances, 2021, 11, .	1.3	3
7	First Demonstration of 25-nm Quad Interface p-MTJ Device With Low Resistance-Area Product MgO and Ten Years Retention for High Reliable STT-MRAM. IEEE Transactions on Electron Devices, 2021, 68, 2680-2685.	3.0	8
8	Comparison of hexagonal boron nitride and MgO tunnel barriers in Fe,Co magnetic tunnel junctions. Applied Physics Reviews, 2021, 8, .	11.3	15
9	Magnetic and ferroelectric properties of oxygen octahedron/tetrahedron mixed ultrathin multiferroic layer by oxygen desorption. Journal of Applied Physics, 2021, 129, 034101.	2.5	1
10	High-Quality Sputtered BiFeO₃ for Ultrathin Epitaxial Films. ACS Applied Electronic Materials, 2021, 3, 4836-4848.	4.3	6
11	Scalability of Quad Interface p-MTJ for 1X nm STT-MRAM With 10-ns Low Power Write Operation, 10 Years Retention and Endurance > 10Â¹Â¹. IEEE Transactions on Electron Devices, 2020, 67, 5368-5373.	3.0	26
12	Growth mechanism and domain structure study on epitaxial BiFeO3 film grown on (La0.3Sr0.7)(Al0.65Ta0.35)O3. Journal of Applied Physics, 2020, 127, .	2.5	5
13	Flux-Mediated Doping of Bi into (La,Sr)MnO₃ Films Grown on NdGdO₃ (110) Substrates. ACS Applied Electronic Materials, 2020, 2, 3658-3666.	4.3	3
14	Micromagnetic simulation of the temperature dependence of the switching energy barrier using string method assuming sidewall damages in perpendicular magnetized magnetic tunnel junctions. AIP Advances, 2020, 10, .	1.3	10
15	A perpendicular graphene/ferromagnet electrode for spintronics. Applied Physics Letters, 2020, 116, .	3.3	17
16	Short range biaxial strain relief mechanism within epitaxially grown BiFeO3. Scientific Reports, 2019, 9, 6715.	3.3	6
17	Realization of a Spin-Wave Switch Based on the Spin-Transfer-Torque Effect. IEEE Magnetics Letters, 2018, 9, 1-5.	1.1	3
18	Growth and Electrostatic/chemical Properties of Metal/LaAlO₃/SrTiO₃ Heterostructures. Journal of Visualized Experiments, 2018, , .	0.3	0

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19	Tensile stress effect on epitaxial BiFeO3 thin film grown on KTaO3. Scientific Reports, 2018, 8, 893.	3.3	13
20	Characterization of spin-transfer-torque effect induced magnetization dynamics driven by short current pulses. Applied Physics Letters, 2018, 112, .	3.3	3
21	Manipulation of multi-degrees of freedom in ferroic-ordering. Japanese Journal of Applied Physics, 2018, 57, 090201.	1.5	0
22	Thermooptic properties of epitaxial BiFeO₃films with different orientations. Japanese Journal of Applied Physics, 2018, 57, 11UF10.	1.5	0
23	Determination of rhombohedral structure of BiFeO₃ single-domain-like films grown on SrTiO₃ and LaAlO₃ substrates by X-ray diffraction using $(2ar{1}ar{3})_{ext{hex}}$. Japanese Journal of Applied Physics, 2018, 57, 0902BC.	1.5	3
24	Strategy to utilize transmission electron microscopy and X-ray diffraction to investigate biaxial strain effect in epitaxial BiFeO₃ films. Japanese Journal of Applied Physics, 2018, 57, 0902A5.	1.5	6
25	Elucidation of crystal and electronic structures within highly strained BiFeO3 by transmission electron microscopy and first-principles simulation. Scientific Reports, 2017, 7, 46498.	3.3	15
26	Tuning Up or Down the Critical Thickness in LaAlO₃/SrTiO₃ through In Situ Deposition of Metal Overlayers. Advanced Materials, 2017, 29, 1700486.	21.0	30
27	Noise suppression and sensitivity manipulation of magnetic tunnel junction sensors with soft magnetic Co70.5Fe4.5Si15B10 layer. Journal of Applied Physics, 2017, 122, .	2.5	28
28	DC Bias Reversal Behavior of Spinâ€“Torque Ferromagnetic Resonance Spectra in CoFeB/MgO/CoFeB Perpendicular Magnetic Tunnel Junction. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	2
29	Experimental Investigation of the Temperature-Dependent Magnon Density and Its Influence on Studies of Spin-Transfer-Torque-Driven Systems. IEEE Magnetics Letters, 2017, 8, 1-5.	1.1	4
30	Magnetic field-controlled hysteresis loop bias in orthogonal exchange-spring coupling composite magnetic films. Applied Physics Express, 2016, 9, 063003.	2.4	3
31	Field-free spin Hall effect driven magnetization switching in Pd/Co/IrMn exchange coupling system. Applied Physics Letters, 2016, 109, .	3.3	48
32	Influence of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>L</mml:mi><mml:msub><mml:mn>1</mml:mn><mml:mr order parameter on Gilbert damping constants for FePd thin films investigated by means of time-resolved magneto-optical Kerr effect. Physical Review B, 2016, 94, .	3.2	28
33	Effect of annealing on Curie temperature and phase transition in La0.55Sr0.08Mn0.37O3 epitaxial films grown on SrTiO3 (100) substrates by reactive radio frequency magnetron sputtering. Materials Characterization, 2016, 118, 37-43.	4.4	7
34	Highly efficient and tunable spin-to-charge conversion through Rashba coupling at oxideÂinterfaces. Nature Materials, 2016, 15, 1261-1266.	27.5	403
35	Thickness dependence of crystal and electronic structures within heteroepitaxially grown<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BiFe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>thin films. Physical Review B, 2016, 93, .	3.2	11
36	Controlling magnetization switching and DC transport properties of magnetic tunnel junctions by mircowave injection. , 2016, , .		0

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37	Observation of single-spin transport in an island-shaped CoFeB double magnetic tunnel junction prepared by magnetron sputtering. Philosophical Magazine, 2016, 96, 310-319.	1.6	3
38	Low frequency noise in magnetic tunneling junctions with Co 40 Fe 40 B 20 /Co 70.5 Fe 4.5 Si 15 B 10 composite free layer. Journal of Magnetism and Magnetic Materials, 2016, 398, 215-219.	2.3	9
39	Magnetic Tunnel Junctions With [Co/Pd]-Based Reference Layer and CoFeB Sensing Layer for Magnetic Sensor. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	14
40	Ultrafast demagnetization of L1₀FePt and FePd ordered alloys. Journal Physics D: Applied Physics, 2016, 49, 035002.	2.8	16
41	Probing the electronic and spintronic properties of buried interfaces by extremely low energy photoemission spectroscopy. Scientific Reports, 2015, 5, 8537.	3.3	21
42	Influence of perpendicular magnetic field on angular dependent exchange bias of [Co/Pd]<inf>5</inf>/CoFeB Electrodes. , 2015, , .		0
43	Systematic Investigation on Correlation Between Sensitivity and Nonlinearity in Magnetic Tunnel Junction for Magnetic Sensor. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	10
44	Temperature dependence of low frequency noise in magnetic tunneling junctions with Co<inf>40</inf>Fe<inf>40</inf>B<inf>20</inf>/Co<inf>70.5</inf>Fe<inf>4.5</inf>Si<inf>15</inf>B<inf>10</inf> composed free layer. , 2015, , .		0
45	Electrical Detection of Millimeter-Waves by Magnetic Tunnel Junctions Using Perpendicular Magnetized L1₀-FePd Free Layer. Nano Letters, 2015, 15, 623-628.	9.1	40
46	100-nm-sized magnetic domain reversal by the magneto-electric effect in self-assembled BiFeO3/CoFe2O4 bilayer films. Scientific Reports, 2015, 5, 9348.	3.3	25
47	Impact of local order and stoichiometry on the ultrafast magnetization dynamics of Heusler compounds. Journal Physics D: Applied Physics, 2015, 48, 164016.	2.8	3
48	Magnetic damping constant in Co-based full heusler alloy epitaxial films. Journal Physics D: Applied Physics, 2015, 48, 164012.	2.8	36
49	Evidence of rhombohedral structure within BiFeO3thin film grown on SrTiO3. Applied Physics Express, 2015, 8, 031501.	2.4	10
50	All-optical characterisation of the spintronic Heusler compound Co₂Mn_{0.6}Fe_{0.4}Si. Journal Physics D: Applied Physics, 2015, 48, 164015.	2.8	15
51	Double-pinned magnetic tunnel junction sensors with spin-valve-like sensing layers. Journal of Applied Physics, 2015, 118, .	2.5	12
52	Intrinsic Gilbert damping constant in epitaxial Co2Fe0.4Mn0.6Si Heusler alloys films. Journal of Applied Physics, 2015, 117, 17D140.	2.5	11
53	Optimization of Domain Wall Oscillations in Magnetic Nanowires. IEEE Magnetics Letters, 2015, 6, 1-4.	1.1	98
54	Preparation of monoclinic 0.9(BiFeO3)â€“0.1(BiCoO3) epitaxial films on orthorhombic YAlO3 (100) substrates by r.f. magnetron sputtering. Journal of Crystal Growth, 2015, 409, 18-22.	1.5	1

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55	Ultrafast magnetization dynamics in Co-based Heusler compounds with tuned chemical ordering. New Journal of Physics, 2014, 16, 063068.	2.9	15
56	Tunnel magnetoresistance effect using perpendicularly magnetized tetragonal and cubic Mn-Co-Ga Heusler alloy electrode. Journal of Applied Physics, 2014, 115, 17C704.	2.5	10
57	Preparation of a heteroepitaxial LaxSryMnzO3/BiFeO3 bilayer by r.f. magnetron sputtering with various oxygen gas flow ratios. AIP Advances, 2014, 4, 087133.	1.3	2
58	Low precessional damping observed for L1-ordered FePd epitaxial thin films with large perpendicular magnetic anisotropy. Applied Physics Letters, 2014, 105, .	3.3	28
59	Non-Gilbert-damping Mechanism in a Ferromagnetic Heusler Compound Probed by Nonlinear Spin Dynamics. Physical Review Letters, 2014, 113, 227601.	7.8	19
60	Static and dynamic magnetic properties of cubic Mn-Co-Ga Heusler films. Journal of Applied Physics, 2014, 115, 17D133.	2.5	3
61	Spin-dependent transport behavior in C60 and Alq3 based spin valves with a magnetite electrode (invited). Journal of Applied Physics, 2014, 115, .	2.5	25
62	Mode change of vortex core oscillation induced by large direct current in 120â€‰nm sized current perpendicular-to-plane giant magnetoresistance devices with a perpendicular polarizer. Applied Physics Letters, 2014, 105, 052407.	3.3	2
63	Multiferroic BiFeO3 glass-ceramics: Phase formation and physical property. Applied Physics Letters, 2014, 104, .	3.3	11
64	Gilbert damping constants of Ta/CoFeB/MgO(Ta) thin films measured by optical detection of precessional magnetization dynamics. Physical Review B, 2014, 89, .	3.2	127
65	Leakage current under high electric fields and magnetic properties in Co and Mn co-substituted BiFeO3 polycrystalline films. Thin Solid Films, 2014, 558, 194-199.	1.8	3
66	Penetration depth of transverse spin current in (001)-oriented epitaxial ferromagnetic films. Journal of Magnetism and Magnetic Materials, 2014, 368, 333-337.	2.3	1
67	Nonlinear Emission of Spin-Wave Caustics from an Edge Mode of a Microstructured<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Mn</mml:mi><mml:mi><mm Physical Review Letters, 2013, 110, 067201.	7.8	68
68	Magnetoresistance Enhancement in Mn$_{m x}$Ga$_{100 - {m x}}$/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions by Using CoFeB Interlayer. IEEE Transactions on Magnetics, 2013, 49, 4339-4342.	2.1	3
69	Effect of Annealing Temperature on Structure and Magnetic Properties of $L1_{0}$-FePd/CoFeB Bilayer. IEEE Transactions on Magnetics, 2013, 49, 4409-4412.	2.1	2
70	Large refractive index in BiFeO3-BiCoO3 epitaxial films. Journal of Applied Physics, 2013, 113, 17A914.	2.5	3
71	Observation of a large spin-dependent transport length in organic spin valves at room temperature. Nature Communications, 2013, 4, 1392.	12.8	140
72	Detection of Sub-Nano-Tesla Magnetic Field by Integrated Magnetic Tunnel Junctions with Bottom Synthetic Antiferro-Coupled Free Layer. Japanese Journal of Applied Physics, 2013, 52, 04CM07.	1.5	22

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73	Observation of Precessional Magnetization Dynamics in L1₀-FePt Thin Films with Different L1₀ Order Parameter Values. Japanese Journal of Applied Physics, 2013, 52, 073002.	1.5	22
74	Interface tailoring effect on magnetic properties and their utilization in MnGa-based perpendicular magnetic tunnel junctions. Physical Review B, 2013, 87, .	3.2	39
75	Tunneling magnetoresistance effect in MnGa based perpendicular magnetic tunnel junction with Fe/Co interlayer. Journal of Applied Physics, 2013, 114, 163913.	2.5	3
76	Magnetic tunnel junctions of perpendicularly magnetized L10-MnGa/Fe/MgO/CoFe structures: Fe-layer-thickness dependences of magnetoresistance effect and tunnelling conductance spectra. Journal Physics D: Applied Physics, 2013, 46, 155001.	2.8	17
77	The role of structure on magneto-transport properties of Heusler Co2MnSi films deposited on MgO(001). Journal of Applied Physics, 2013, 114, 163904.	2.5	3
78	Structural and magnetic properties of L1-FePd/MgO films on GaAs and InP lattice mismatched substrates. Applied Physics Letters, 2013, 102, .	3.3	10
79	Fabrication of L1₀-Ordered MnAl Films for Observation of Tunnel Magnetoresistance Effect. Japanese Journal of Applied Physics, 2013, 52, 063003.	1.5	38
80	Fabrication of Magnetic Tunnel Junctions with Amorphous CoFeSiB Ferromagnetic Electrode for Magnetic Field Sensor Devices. Applied Physics Express, 2013, 6, 103004.	2.4	30
81	Annealing temperature dependence of exchange bias in BiFeO3/CoFe bilayers. Journal of Applied Physics, 2012, 111, 07D908.	2.5	10
82	Structural Analyses of Co- and Mn-Substituted BiFeO$_{3}$ Polycrystalline Films. Japanese Journal of Applied Physics, 2012, 51, 061501.	1.5	1
83	Dependence of spin-transfer switching characteristics in magnetic tunnel junctions with synthetic free layers on coupling strength. Journal of Applied Physics, 2012, 111, 07C905.	2.5	0
84	Fabrication of magnetic tunnel junctions with a bottom synthetic antiferro-coupled free layers for high sensitive magnetic field sensor devices. Journal of Applied Physics, 2012, 111, .	2.5	55
85	Promotion of L10 ordering of FePd films with amorphous CoFeB thin interlayer. Journal of Applied Physics, 2012, 111, 07C112.	2.5	6
86	Large change of perpendicular magnetic anisotropy in Cobalt ultrathin film induced by varying capping layers. Journal of Applied Physics, 2012, 111, 07B320.	2.5	10
87	Fabrication of L1-MnAl perpendicularly magnetized thin films for perpendicular magnetic tunnel junctions. Journal of Applied Physics, 2012, 111, .	2.5	64
88	Enhancement of magnetoresistance using CoFe/Ru/CoFe synthetic ferrimagnetic pinned layer in BiFeO3 based spin-valves. Applied Physics Letters, 2012, 101, 072901.	3.3	4
89	Magnetic properties of CoFe2O4 nanoparticles distributed in a multiferroic BiFeO3 matrix. Journal of Applied Physics, 2012, 111, 124101.	2.5	16
90	Low-damping spin-wave propagation in a micro-structured Co₂Mn_{0.6}Fe_{0.4}Si Heusler waveguide. Applied Physics Letters, 2012, 100, 112402.	3.3	80

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91	Dependence of Tunnel Magnetoresistance Effect on Fe Thickness of Perpendicularly Magnetized L1$_{0}$-Mn$_{62}$Ga$_{38}$/Fe/MgO/CoFe Junctions. Applied Physics Express, 2012, 5, 043003.	2.4	28
92	Annealing Temperature and Co Layer Thickness Dependence of Magnetoresistance Effect for $L1_{0}$-MnGa/Co/MgO/CoFeB Perpendicular Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2012, 48, 2808-2811.	2.1	4
93	Magnetic Properties and Magnetic Domain Structures Evolution Modulated by CoFeB Layer in [Pd/Co]/CoFeB/MgO/CoFeB/[Co/Pd] Perpendicular MTJ Films. IEEE Transactions on Magnetics, 2012, 48, 2812-2815.	2.1	3
94	Chemical diffusion: Another factor affecting the magnetoresistance ratio in Ta/CoFeB/MgO/CoFeB/Ta magnetic tunnel junction. Applied Physics Letters, 2012, 101, .	3.3	33
95	Magnetoresistance effect in L1-MnGa/MgO/CoFeB perpendicular magnetic tunnel junctions with Co interlayer. Applied Physics Letters, 2012, 101, .	3.3	66
96	Composition dependence of magnetic properties in perpendicularly magnetized epitaxial thin films of Mn-Ga alloys. Physical Review B, 2012, 85, .	3.2	151
97	Variation of ferroelectric properties in (Bi,Pr)(Fe,Mn)O3/SrRuO3-Pt/CoFe2O4 layered film structure by applying direct current magnetic field. Journal of Applied Physics, 2012, 111, 124103.	2.5	3
98	Effect of metallic Mg insertion on the magnetoresistance effect in MgO-based tunnel junctions using D22-Mn3-Î´Ga perpendicularly magnetized spin polarizer. Journal of Applied Physics, 2011, 110, .	2.5	30
99	Gilbert Damping in Ni/Co Multilayer Films Exhibiting Large Perpendicular Anisotropy. Applied Physics Express, 2011, 4, 013005.	2.4	70
100	Fabrication of Magnetic Tunnel Junctions with a Synthetic Ferrimagnetic Free Layer for Magnetic Field Sensor Applications. Japanese Journal of Applied Physics, 2011, 50, 013001.	1.5	11
101	Influence of Pt Doping on Gilbert Damping in Permalloy Films and Comparison with the Perpendicularly Magnetized Alloy Films. Japanese Journal of Applied Physics, 2011, 50, 103003.	1.5	9
102	Magnetoresistance Effect in Co₂MnSi/semimetallic-Fe₂VAl/CoFe Junctions. Journal of Physics: Conference Series, 2011, 266, 012096.	0.4	3
103	Effect of structural transition on the temperature-dependent magnetic properties of epitaxial FePd alloy nanoparticles. Journal of Physics: Conference Series, 2011, 266, 012042.	0.4	3
104	Fabrication of MgO-based magnetic tunnel junctions for subnanosecond spin transfer switching. Journal of Physics: Conference Series, 2011, 266, 012086.	0.4	1
105	The effect of inserting thin Co₂MnAl layer into the Co₂MnSi/MgO interface on tunnel magnetoresistance effect. Journal of Physics: Conference Series, 2011, 266, 012104.	0.4	8
106	Magnetoresistance Effect in Tunnel Junctions with Perpendicularly MagnetizedD0₂₂-Mn₃-Î´</sub>Ga Electrode and MgO Barrier. Applied Physics Express, 2011, 4, 043002.	2.4	59
107	Influence of composition on structure and magnetic properties of epitaxial Mn-Ga films. Journal of Physics: Conference Series, 2011, 266, 012112.	0.4	3
108	Enhancement of magnetization at morphotropic phase boundary in epitaxial BiCoO3-BiFeO3 solid solution films grown on SrTiO3 (100) substrates. Journal of Applied Physics, 2011, 109, .	2.5	18

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109	Hysteresis loops of polarization and magnetization in (BiNd0.05)(Fe0.97Mn0.03)O3/Pt/CoFe2O4 layered epitaxial thin film grown by pulsed laser deposition. Thin Solid Films, 2011, 519, 7727-7730.	1.8	7
110	Spin Transport in $hbox{Co/Al}_{2}hbox{O}_{3}/hbox{Alq}_{3}/hbox{Co}$ Organic Spin Valve. IEEE Transactions on Magnetics, 2011, 47, 2649-2651.	2.1	11
111	Time-Resolved Kerr Effect in Very Thin Films of CoCrPt Alloys. IEEE Transactions on Magnetics, 2011, 47, 3897-3900.	2.1	4
112	The magnetic and structural properties of Co₂MnSi Heusler alloy thin films on the orientation of Ge substrate. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 675-678.	1.8	3
113	Thermooptic Property of Polycrystalline BiFeO₃ Film. Japanese Journal of Applied Physics, 2011, 50, 09NB02.	1.5	1
114	Spin transistor using magnetic tunnel junctions with half-metallic Co2MnSi Heusler alloy electrodes. Applied Physics Letters, 2011, 99, 132513.	3.3	16
115	Composition dependence of magnetoresistance effect and its annealing endurance in tunnel junctions having Mn-Ga electrode with high perpendicular magnetic anisotropy. Applied Physics Letters, 2011, 99, .	3.3	45
116	Interface effects on perpendicular magnetic anisotropy for molecular-capped cobalt ultrathin films. Applied Physics Letters, 2011, 99, 162509.	3.3	16
117	Fast magnetization precession observed in L1-FePt epitaxial thin film. Applied Physics Letters, 2011, 98, .	3.3	100
118	Long-Lived Ultrafast Spin Precession in Manganese Alloys Films with a Large Perpendicular Magnetic Anisotropy. Physical Review Letters, 2011, 106, 117201.	7.8	293
119	The perpendicular anisotropy of Co40Fe40B20 sandwiched between Ta and MgO layers and its application in CoFeB/MgO/CoFeB tunnel junction. Applied Physics Letters, 2011, 99, .	3.3	92
120	Exchange biases of Co, Py, Co40Fe40B20, Co75Fe25, and Co50Fe50 on epitaxial BiFeO3 films prepared by chemical solution deposition. Journal of Applied Physics, 2011, 109, .	2.5	28
121	Large Magnetoresistance Effect in Epitaxial Co$_{2}$Fe$_{0.4}$Mn$_{0.6}$Si/Ag/Co$_{2}$Fe$_{0.4}$Mn$_{0.6}$Si Devices. Applied Physics Express, 2011, 4, 113005.	2.4	99
122	Fabrication of Multiferroic Co-Substituted BiFeO3 Epitaxial Films on SrTiO3 (100) Substrates by Radio Frequency Magnetron Sputtering. Materials, 2011, 4, 1087-1095.	2.9	11
123	Magnetotransport properties of CoFeB/MgO/CoFe/MgO/CoFeB double barrier magnetic tunnel junctions with large negative magnetoresistance at room temperature. Journal of Physics: Conference Series, 2010, 200, 052009.	0.4	4
124	Magnetoresistance of perpendicularly magnetized tunnel junction usingL1₀-CoNiPt with low saturation magnetization. Journal of Physics: Conference Series, 2010, 200, 052011.	0.4	1
125	Ultrafast demagnetization for Ni₈₀Fe₂₀and half-metallic Co₂MnSi heusler alloy films. Journal of Physics: Conference Series, 2010, 200, 042017.	0.4	7
126	Structural and magnetic properties of Mn_{2.5}Ga films. Journal of Physics: Conference Series, 2010, 200, 062037.	0.4	7

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127	Interlayer exchange coupling in perpendicularly magnetized synthetic ferrimagnet structure using CoCrPt and CoFeB. Journal of Physics: Conference Series, 2010, 200, 072104.	0.4	4
128	Synthetic CoFeB/Ru/NiFe free layer on MgO barrier layer for spin transfer switching. Journal of Physics: Conference Series, 2010, 200, 062019.	0.4	0
129	Spin-transfer switching in magnetic tunnel junctions with synthetic ferri-magnetic free layer. Journal of Physics: Conference Series, 2010, 200, 052018.	0.4	2
130	Structural characterization of epitaxial multiferroic BiFeO3 films grown on SrTiO3 (100) substrates by crystallizing amorphous Bi-Fe-Ox. Journal of the Ceramic Society of Japan, 2010, 118, 648-651.	1.1	3
131	Evaluation of ferroelectric hysteresis loops of leaky multiferroic BiFeO3 films using a system with a high driving frequency of 100 kHz system. Journal of the Ceramic Society of Japan, 2010, 118, 656-658.	1.1	11
132	Dynamic Magnetic Intermediate State during Nanosecond Spin Transfer Switching for MgO-Based Magnetic Tunnel Junctions. Applied Physics Express, 2010, 3, 053002.	2.4	9
133	Magnetization Dynamics in CoFeB Buffered Perpendicularly Magnetized Co/Pd Multilayer. IEEE Transactions on Magnetics, 2010, 46, 2056-2059.	2.1	22
134	The Effect of Doping Concentration of Si on the Nature of Barrier of Co$_{2}$MnSi/MgO/n-Si Junctions. IEEE Transactions on Magnetics, 2010, 46, 1637-1640.	2.1	1
135	Structural and Magnetic Properties of Perpendicular Magnetized Mn$_{2.5}$Ga Epitaxial Films. IEEE Transactions on Magnetics, 2010, 46, 1863-1865.	2.1	28
136	Laser-Induced Fast Magnetization Precession and Gilbert Damping for CoCrPt Alloy Thin Films with Perpendicular Magnetic Anisotropy. Applied Physics Express, 2010, 3, 123001.	2.4	49
137	Structural, magnetic, and magnetotransport properties of FePt/MgO/CoPt perpendicularly magnetized tunnel junctions. Journal of Physics: Conference Series, 2010, 200, 052008.	0.4	11
138	Gilbert damping in perpendicularly magnetized Pt/Co/Pt films investigated by all-optical pump-probe technique. Applied Physics Letters, 2010, 96, .	3.3	157
139	Electrical transport properties of perpendicular magnetized Mn-Ga epitaxial films. Applied Physics Letters, 2010, 96, .	3.3	53
140	Spin transistor based on double tunnel junctions using half-metallic Co₂MnSi electrodes. Journal of Physics: Conference Series, 2010, 200, 052019.	0.4	3
141	Single crystal-like selection rules for unipolar-axis oriented tetragonal Pb(Zr,Ti)O3 thick epitaxial films. Applied Physics Letters, 2010, 97, 111901.	3.3	8
142	Reproducible trajectory on subnanosecond spin-torque magnetization switching under a zero-bias field for MgO-based ferromagnetic tunnel junctions. Applied Physics Letters, 2010, 96, 142502.	3.3	7
143	Epitaxial growth of Co2MnSi thin films at the vicinal surface of n-Ge(111) substrate. Applied Physics Letters, 2010, 96, .	3.3	15
144	Fabrication of perpendicularly magnetized magnetic tunnel junctions with L1-CoPt/Co2MnSi hybrid electrode. Journal of Applied Physics, 2010, 107, .	2.5	23

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145	Crystal Structures and Electrical Properties of Epitaxial BiFeO3Thin Films with (001), (110), and (111) Orientations. Japanese Journal of Applied Physics, 2010, 49, 09MB03.	1.5	51
146	Gilbert magnetic damping constant of epitaxially grown Co-based Heusler alloy thin films. Applied Physics Letters, 2010, 96, .	3.3	80
147	The effect of MgO barrier on the structure and magnetic properties of Co2MnSi films on n-Si(100) substrates. Journal of Applied Physics, 2009, 106, 103907.	2.5	0
148	Enhancement in tunnel magnetoresistance effect by inserting CoFeB to the tunneling barrier interface in Co2MnSi/MgO/CoFe magnetic tunnel junctions. Applied Physics Letters, 2009, 94, .	3.3	25
149	Composition control and thickness dependence of {100}-oriented epitaxial BiCoO3â€“BiFeO3 films grown by metalorganic chemical vapor deposition. Journal of Applied Physics, 2009, 105, 061620.	2.5	17
150	THE OPTICAL PROPERTY OF MULTIFERROIC BiFeO3 FILMS. Integrated Ferroelectrics, 2009, 106, 11-16.	0.7	4
151	Magnetic and Electronic Properties of BaTiO3â€“(Ni,Cu,Zn)Fe2O4Ceramic Composite: Reflection of Kepler Conjecture. Journal of the Physical Society of Japan, 2009, 78, 124801.	1.6	4
152	Fabrication of MgO-based magnetic tunnel junctions with CoCrPt perpendicularly magnetized electrodes. Journal of Applied Physics, 2009, 105, 07C911.	2.5	16
153	Tunnel magnetoresistance effect in double magnetic tunnel junctions using half-metallic Heusler alloy electrodes. Journal of Applied Physics, 2009, 105, 07C920.	2.5	4
154	Structural and Magnetic Properties of Co₂MnSi Heusler Alloy Thin Films on Si. Japanese Journal of Applied Physics, 2009, 48, 083002.	1.5	8
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