

# Hiroshi Naganuma

## List of Publications by Year in descending order

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202  
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all docs

204  
docs citations

204  
times ranked

4728  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient and tunable spin-to-charge conversion through Rashba coupling at oxide interfaces. Nature Materials, 2016, 15, 1261-1266.	27.5	403
2	Long-Lived Ultrafast Spin Precession in Manganese Alloys Films with a Large Perpendicular Magnetic Anisotropy. Physical Review Letters, 2011, 106, 117201.	7.8	293
3	Ferroelectric, electrical and magnetic properties of Cr, Mn, Co, Ni, Cu added polycrystalline BiFeO <sub>3</sub> films. Applied Physics Letters, 2008, 93, .	3.3	227
4	Half-metallicity and Gilbert damping constant in Co <sub>2</sub> Fe <sub>x</sub> Mn <sub>1-x</sub> Si Heusler alloys depending on the film composition. Applied Physics Letters, 2009, 94, .	3.3	214
5	Epitaxial Mn <sub>2.5</sub> Ga thin films with giant perpendicular magnetic anisotropy for spintronic devices. Applied Physics Letters, 2009, 94, .	3.3	193
6	Gilbert damping in perpendicularly magnetized Pt/Co/Pt films investigated by all-optical pump-probe technique. Applied Physics Letters, 2010, 96, .	3.3	157
7	Composition dependence of magnetic properties in perpendicularly magnetized epitaxial thin films of Mn-Ga alloys. Physical Review B, 2012, 85, .	3.2	151
8	Observation of a large spin-dependent transport length in organic spin valves at room temperature. Nature Communications, 2013, 4, 1392.	12.8	140
9	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
10	Fast magnetization precession observed in L1-FePt epitaxial thin film. Applied Physics Letters, 2011, 98, .	3.3	100
11	Large Magnetoresistance Effect in Epitaxial Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si/Ag/Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si Devices. Applied Physics Express, 2011, 4, 113005.	2.4	99
12	Optimization of Domain Wall Oscillations in Magnetic Nanowires. IEEE Magnetics Letters, 2015, 6, 1-4.	1.1	98
13	The perpendicular anisotropy of Co <sub>40</sub> Fe <sub>40</sub> B <sub>20</sub> sandwiched between Ta and MgO layers and its application in CoFeB/MgO/CoFeB tunnel junction. Applied Physics Letters, 2011, 99, .	3.3	92
14	Gilbert magnetic damping constant of epitaxially grown Co-based Heusler alloy thin films. Applied Physics Letters, 2010, 96, .	3.3	80
15	Low-damping spin-wave propagation in a micro-structured Co <sub>2</sub> Mn <sub>0.6</sub> Fe <sub>0.4</sub> Si Heusler waveguide. Applied Physics Letters, 2012, 100, 112402.	3.3	80
16	Structural, magnetic, and ferroelectric properties of multiferroic BiFeO <sub>3</sub> film fabricated by chemical solution deposition. Journal of Applied Physics, 2007, 101, 09M103.	2.5	73
17	Composition Dependence in BiFeO <sub>3</sub> Film Capacitor with Suppressed Leakage Current by Nd and Mn Cosubstitution and Their Ferroelectric Properties. Japanese Journal of Applied Physics, 2008, 47, 7586.	1.5	70
18	Gilbert Damping in Ni/Co Multilayer Films Exhibiting Large Perpendicular Anisotropy. Applied Physics Express, 2011, 4, 013005.	2.4	70

#	ARTICLE	IF	CITATIONS
19	Nonlinear Emission of Spin-Wave Caustics from an Edge Mode of a Microstructured Physical Review Letters, 2013, 110, 067201.	7.8	68
20	Magnetoresistance effect in $L_{1-1}$ -MnGa/MgO/CoFeB perpendicular magnetic tunnel junctions with Co interlayer. Applied Physics Letters, 2012, 101, .	3.3	66
21	Fabrication of $L_{1-1}$ -MnAl perpendicularly magnetized thin films for perpendicular magnetic tunnel junctions. Journal of Applied Physics, 2012, 111, .	2.5	64
22	Evaluation of Electrical Properties of Leaky BiFeO <sub>3</sub> Films in High Electric Field Region by High-Speed Positive-Up/Negative-Down Measurement. Applied Physics Express, 2008, 1, 061601.	2.4	60
23	Large Tunnel Magnetoresistance of 1056% at Room Temperature in MgO Based Double Barrier Magnetic Tunnel Junction. Applied Physics Express, 0, 2, 083002.	2.4	60
24	Magnetoresistance Effect in Tunnel Junctions with Perpendicularly Magnetized $D_{022}$ -Mn <sub>3</sub> '-Ga Electrode and MgO Barrier. Applied Physics Express, 2011, 4, 043002.	2.4	59
25	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
26	Electrical transport properties of perpendicular magnetized Mn-Ga epitaxial films. Applied Physics Letters, 2010, 96, .	3.3	53
27	Crystal Structures and Electrical Properties of Epitaxial BiFeO <sub>3</sub> Thin Films with (001), (110), and (111) Orientations. Japanese Journal of Applied Physics, 2010, 49, 09MB03.	1.5	51
28	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
29	Crystal Structure Analysis of Epitaxial BiFeO <sub>3</sub> BiCoO <sub>3</sub> Solid Solution Films Grown by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2007, 46, 6948-6951.	1.5	48
30	Field-free spin Hall effect driven magnetization switching in Pd/Co/IrMn exchange coupling system. Applied Physics Letters, 2016, 109, .	3.3	48
31	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
32	Crystal Structure and Electrical Properties of {100}-Oriented Epitaxial BiCoO <sub>3</sub> BiFeO <sub>3</sub> Films Grown by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2008, 47, 7582.	1.5	40
33	Electrical Detection of Millimeter-Waves by Magnetic Tunnel Junctions Using Perpendicular Magnetized $L_{1-1}$ -FePd Free Layer. Nano Letters, 2015, 15, 623-628.	9.1	40
34	Interface tailoring effect on magnetic properties and their utilization in MnGa-based perpendicular magnetic tunnel junctions. Physical Review B, 2013, 87, .	3.2	39
35	Fabrication of $L_{1-1}$ -Ordered MnAl Films for Observation of Tunnel Magnetoresistance Effect. Japanese Journal of Applied Physics, 2013, 52, 063003.	1.5	38
36	Magnetic damping constant in Co-based full heusler alloy epitaxial films. Journal Physics D: Applied Physics, 2015, 48, 164012.	2.8	36

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37	Enhancement of ferroelectric and magnetic properties in BiFeO <sub>3</sub> films by small amount of cobalt addition. Journal of Applied Physics, 2008, 103, .	2.5	35
38	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
39	Effect of metallic Mg insertion on the magnetoresistance effect in MgO-based tunnel junctions using $\text{Mn}_{2.5}\text{Ga}$ perpendicularly magnetized spin polarizer. Journal of Applied Physics, 2011, 110, .	2.5	30
40	Fabrication of Magnetic Tunnel Junctions with Amorphous CoFeSiB Ferromagnetic Electrode for Magnetic Field Sensor Devices. Applied Physics Express, 2013, 6, 103004.	2.4	30
41	Tuning Up or Down the Critical Thickness in $\text{LaAlO}_3/\text{SrTiO}_3$ through In Situ Deposition of Metal Overlayers. Advanced Materials, 2017, 29, 1700486.	21.0	30
42	Structural and Magnetic Properties of Perpendicular Magnetized $\text{Mn}_{2.5}\text{Ga}$ Epitaxial Films. IEEE Transactions on Magnetics, 2010, 46, 1863-1865.	2.1	28
43	Exchange biases of Co, Py, $\text{Co}_{40}\text{Fe}_{40}\text{B}_{20}$ , $\text{Co}_{75}\text{Fe}_{25}$ , and $\text{Co}_{50}\text{Fe}_{50}$ on epitaxial BiFeO <sub>3</sub> films prepared by chemical solution deposition. Journal of Applied Physics, 2011, 109, .	2.5	28
44	Dependence of Tunnel Magnetoresistance Effect on Fe Thickness of Perpendicularly Magnetized $\text{L1}_{0}\text{-Mn}_{62}\text{Ga}_{38}/\text{Fe}/\text{MgO}/\text{CoFe}$ Junctions. Applied Physics Express, 2012, 5, 043003.	2.4	28
45	Low precessional damping observed for L1-ordered FePd epitaxial thin films with large perpendicular magnetic anisotropy. Applied Physics Letters, 2014, 105, .	3.3	28
46	Influence of $L$ 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
47	Noise suppression and sensitivity manipulation of magnetic tunnel junction sensors with soft magnetic $\text{Co}_{70.5}\text{Fe}_{4.5}\text{Si}_{15}\text{B}_{10}$ layer. Journal of Applied Physics, 2017, 122, .	2.5	28
48	Scalability of Quad Interface p-MTJ for 1X nm STT-MRAM With 10-ns Low Power Write Operation, 10 Years Retention and Endurance $> 10^{11}$ . IEEE Transactions on Electron Devices, 2020, 67, 5368-5373.	3.0	26
49	Magnetic and electrical properties of iron nitride films containing both amorphous matrices and nanocrystalline grains. Science and Technology of Advanced Materials, 2004, 5, 101-106.	6.1	25
50	Enhancement in tunnel magnetoresistance effect by inserting CoFeB to the tunneling barrier interface in $\text{Co}_{2}\text{MnSi}/\text{MgO}/\text{CoFe}$ magnetic tunnel junctions. Applied Physics Letters, 2009, 94, .	3.3	25
51	Spin-dependent transport behavior in C60 and Alq <sub>3</sub> based spin valves with a magnetite electrode (invited). Journal of Applied Physics, 2014, 115, .	2.5	25
52	100-nm-sized magnetic domain reversal by the magneto-electric effect in self-assembled BiFeO <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> bilayer films. Scientific Reports, 2015, 5, 9348.	3.3	25
53	Fabrication of perpendicularly magnetized magnetic tunnel junctions with L1-CoPt/Co <sub>2</sub> MnSi hybrid electrode. Journal of Applied Physics, 2010, 107, .	2.5	23
54	Magnetization Dynamics in CoFeB Buffered Perpendicularly Magnetized Co/Pd Multilayer. IEEE Transactions on Magnetics, 2010, 46, 2056-2059.	2.1	22

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55	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
56	Observation of Precessional Magnetization Dynamics in L1<sub>0</sub>-FePt Thin Films with Different L1<sub>0</sub> Order Parameter Values. Japanese Journal of Applied Physics, 2013, 52, 073002.	1.5	22
57	Particle size dependence of atomic ordering and magnetic properties of L10-FePd nanoparticles. Journal of Magnetism and Magnetic Materials, 2007, 310, 2356-2358.	2.3	21
58	Probing the electronic and spintronic properties of buried interfaces by extremely low energy photoemission spectroscopy. Scientific Reports, 2015, 5, 8537.	3.3	21
59	Annealing Temperature Dependences of Ferroelectric and Magnetic Properties in Polycrystalline Co-Substituted BiFeO <sub>3</sub> Films. Japanese Journal of Applied Physics, 2008, 47, 7574-7578.	1.5	20
60	La Content Dependence of Electrooptic Properties of Polycrystalline (Pb,La)(Zr <sub>0.65</sub> ,Ti <sub>0.35</sub> )O <sub>3</sub> Thick Films. Japanese Journal of Applied Physics, 2006, 45, 7279-7282.	1.5	19
61	Non-Gilbert-damping Mechanism in a Ferromagnetic Heusler Compound Probed by Nonlinear Spin Dynamics. Physical Review Letters, 2014, 113, 227601.	7.8	19
62	Direct Observation of Atomic Ordering and Interface Structure in Co <sub>2</sub> MnSi/MgO/Co <sub>2</sub> MnSi Magnetic Tunnel Junctions by High-Angle Annular Dark-Field Scanning Transmission Electron Microscopy. Applied Physics Express, 2009, 2, 093001.	2.4	18
63	Enhancement of magnetization at morphotropic phase boundary in epitaxial BiCoO <sub>3</sub> -BiFeO <sub>3</sub> solid solution films grown on SrTiO <sub>3</sub> (100) substrates. Journal of Applied Physics, 2011, 109, .	2.5	18
64	Composition control and thickness dependence of {100}-oriented epitaxial BiCoO <sub>3</sub> â€“BiFeO <sub>3</sub> films grown by metalorganic chemical vapor deposition. Journal of Applied Physics, 2009, 105, 061620.	2.5	17
65	Optical Properties of BiFeO<sub>3</sub>-System Multiferroic Thin Films. Japanese Journal of Applied Physics, 2009, 48, 09KB01.	1.5	17
66	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
67	A perpendicular graphene/ferromagnet electrode for spintronics. Applied Physics Letters, 2020, 116, .	3.3	17
68	Fabrication of MgO-based magnetic tunnel junctions with CoCrPt perpendicularly magnetized electrodes. Journal of Applied Physics, 2009, 105, 07C911.	2.5	16
69	Spin transistor using magnetic tunnel junctions with half-metallic Co <sub>2</sub> MnSi Heusler alloy electrodes. Applied Physics Letters, 2011, 99, 132513.	3.3	16
70	Interface effects on perpendicular magnetic anisotropy for molecular-capped cobalt ultrathin films. Applied Physics Letters, 2011, 99, 162509.	3.3	16
71	Magnetic properties of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles distributed in a multiferroic BiFeO <sub>3</sub> matrix. Journal of Applied Physics, 2012, 111, 124101.	2.5	16
72	Ultrafast demagnetization of L1<sub>0</sub>-FePt and FePd ordered alloys. Journal Physics D: Applied Physics, 2016, 49, 035002.	2.8	16

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73	Dependence of ferroelectric and magnetic properties on measuring temperatures for polycrystalline BiFeO <sub>3</sub> films. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1046-1050.	3.0	15
74	Epitaxial growth of Co <sub>2</sub> MnSi thin films at the vicinal surface of n-Ge(111) substrate. Applied Physics Letters, 2010, 96, .	3.3	15
75	Ultrafast magnetization dynamics in Co-based Heusler compounds with tuned chemical ordering. New Journal of Physics, 2014, 16, 063068.	2.9	15
76	All-optical characterisation of the spintronic Heusler compound Co <sub>2</sub> Mn <sub>0.6</sub> Fe <sub>0.4</sub> Si. Journal Physics D: Applied Physics, 2015, 48, 164015.	2.8	15
77	Elucidation of crystal and electronic structures within highly strained BiFeO <sub>3</sub> by transmission electron microscopy and first-principles simulation. Scientific Reports, 2017, 7, 46498.	3.3	15
78	Comparison of hexagonal boron nitride and MgO tunnel barriers in Fe,Co magnetic tunnel junctions. Applied Physics Reviews, 2021, 8, .	11.3	15
79	Fabrication of oriented L10-FeCuPd and composite bcc-Fe <sup>2+</sup> -L10-FeCuPd nanoparticles: Alloy composition dependence of magnetic properties. Journal of Applied Physics, 2006, 99, 08N706.	2.5	14
80	Annealing temperature effect on ferroelectric and magnetic properties in Mn-added polycrystalline BiFeO <sub>3</sub> films. Journal of Electroceramics, 2009, 22, 203-208.	2.0	14
81	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
82	Perpendicular magnetic anisotropy of epitaxially grown L10-FePdCu nanoparticles with preferential c-axis orientation. Journal of Applied Physics, 2006, 100, 074914.	2.5	13
83	Estimation of Leakage Current Density and Remanent Polarization of BiFeO <sub>3</sub> Films with Low Resistivity by Positive, Up, Negative, and Down Measurements. Japanese Journal of Applied Physics, 2008, 47, 5558.	1.5	13
84	Tensile stress effect on epitaxial BiFeO <sub>3</sub> thin film grown on KTaO <sub>3</sub> . Scientific Reports, 2018, 8, 893.	3.3	13
85	Magnetic properties of weak itinerant ferromagnetic $\hat{\eta}$ -Fe <sub>2</sub> N film. Science and Technology of Advanced Materials, 2004, 5, 83-87.	6.1	12
86	Double-pinned magnetic tunnel junction sensors with spin-valve-like sensing layers. Journal of Applied Physics, 2015, 118, .	2.5	12
87	Simple Process Synthesis of BaTiO <sub>3</sub> â€“(Ni,Zn,Cu)Fe <sub>2</sub> O <sub>4</sub> Ceramic Composite. Journal of the Physical Society of Japan, 2008, 77, 064801.	1.6	11
88	Structural, magnetic, and ferroelectric properties of multiferroic BiFeO <sub>3</sub> -based composite films with exchange bias. Journal of Applied Physics, 2009, 105, 07D903.	2.5	11
89	Evaluation of ferroelectric hysteresis loops of leaky multiferroic BiFeO <sub>3</sub> 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
90	Structural, magnetic, and magnetotransport properties of FePt/MgO/CoPt perpendicularly magnetized tunnel junctions. Journal of Physics: Conference Series, 2010, 200, 052008.	0.4	11

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91	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
92	Spin Transport in $\text{Co/Al}_2\text{O}_3/\text{Alq}/\text{Co}$ Organic Spin Valve. IEEE Transactions on Magnetics, 2011, 47, 2649-2651.	2.1	11
93	Fabrication of Multiferroic Co-Substituted BiFeO <sub>3</sub> Epitaxial Films on SrTiO <sub>3</sub> (100) Substrates by Radio Frequency Magnetron Sputtering. Materials, 2011, 4, 1087-1095.	2.9	11
94	Multiferroic BiFeO <sub>3</sub> glass-ceramics: Phase formation and physical property. Applied Physics Letters, 2014, 104, .	3.3	11
95	Intrinsic Gilbert damping constant in epitaxial Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si Heusler alloys films. Journal of Applied Physics, 2015, 117, 17D140.	2.5	11
96	Thickness dependence of crystal and electronic structures within heteroepitaxially grown $\text{BiFeO}_3$ thin films. Physical Review B, 2016, 93, .	3.2	11
97	Annealing temperature dependence of exchange bias in BiFeO <sub>3</sub> /CoFe bilayers. Journal of Applied Physics, 2012, 111, 07D908.	2.5	10
98	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
99	Structural and magnetic properties of $\text{FePd}/\text{MgO}$ films on GaAs and InP lattice mismatched substrates. Applied Physics Letters, 2013, 102, .	3.3	10
100	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
101	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
102	Evidence of rhombohedral structure within BiFeO <sub>3</sub> thin film grown on SrTiO <sub>3</sub> . Applied Physics Express, 2015, 8, 031501.	2.4	10
103	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
104	Unveiling a Chemisorbed Crystallographically Heterogeneous Graphene/ $\text{FePd}$ Interface with a Robust and Perpendicular Orbital Moment. ACS Nano, 2022, 16, 4139-4151.	14.6	10
105	Direct Synthesis of Oriented High-Density Islands of $\text{L}_{10}\text{-FePtCu}$ Alloy at 613 K. Japanese Journal of Applied Physics, 2006, 45, L608-L610.	1.5	9
106	Dynamic Magnetic Intermediate State during Nanosecond Spin Transfer Switching for MgO-Based Magnetic Tunnel Junctions. Applied Physics Express, 2010, 3, 053002.	2.4	9
107	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
108	Low frequency noise in magnetic tunneling junctions with $\text{Co}_{40}\text{Fe}_{40}\text{B}_{20}/\text{Co}_{70.5}\text{Fe}_{4.5}\text{Si}_{15}\text{B}_{10}$ composite free layer. Journal of Magnetism and Magnetic Materials, 2016, 398, 215-219.	2.3	9

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109	Structural and Magnetic Properties of $\text{Co}_{2-x}\text{MnSi}$ Heusler Alloy Thin Films on Si. Japanese Journal of Applied Physics, 2009, 48, 083002.	1.5	8
110	Single crystal-like selection rules for unipolar-axis oriented tetragonal $\text{Pb}(\text{Zr,Ti})\text{O}_3$ thick epitaxial films. Applied Physics Letters, 2010, 97, 111901.	3.3	8
111	The effect of inserting thin $\text{Co}_{2-x}\text{MnAl}$ layer into the $\text{Co}_{2-x}\text{MnSi}/\text{MgO}$ interface on tunnel magnetoresistance effect. Journal of Physics: Conference Series, 2011, 266, 012104.	0.4	8
112	First Demonstration of 25-nm Quad Interface p-MTJ Device With Low Resistance-Area Product $\text{MgO}$ and Ten Years Retention for High Reliable STT-MRAM. IEEE Transactions on Electron Devices, 2021, 68, 2680-2685.	3.0	8
113	LEAKAGE CURRENT MECHANISM OF POLYCRYSTALLINE $\text{BiFeO}_3$ FILMS WITH PT ELECTRODE. Integrated Ferroelectrics, 2007, 95, 242-247.	0.7	7
114	Ultrafast demagnetization for $\text{Ni}_{80}\text{Fe}_{20}$ and half-metallic $\text{Co}_{2-x}\text{MnSi}$ heusler alloy films. Journal of Physics: Conference Series, 2010, 200, 042017.	0.4	7
115	Structural and magnetic properties of $\text{Mn}_{2.5}\text{Ga}$ films. Journal of Physics: Conference Series, 2010, 200, 062037.	0.4	7
116	Reproducible trajectory on subnanosecond spin-torque magnetization switching under a zero-bias field for $\text{MgO}$ -based ferromagnetic tunnel junctions. Applied Physics Letters, 2010, 96, 142502.	3.3	7
117	Hysteresis loops of polarization and magnetization in $(\text{BiNd}_{0.05})(\text{Fe}_{0.97}\text{Mn}_{0.03})\text{O}_3/\text{Pt}/\text{CoFe}_2\text{O}_4$ layered epitaxial thin film grown by pulsed laser deposition. Thin Solid Films, 2011, 519, 7727-7730.	1.8	7
118	Effect of annealing on Curie temperature and phase transition in $\text{La}_{0.55}\text{Sr}_{0.08}\text{Mn}_{0.37}\text{O}_3$ epitaxial films grown on $\text{SrTiO}_3$ (100) substrates by reactive radio frequency magnetron sputtering. Materials Characterization, 2016, 118, 37-43.	4.4	7
119	Structure and Magnetic Properties of Iron Nitride Films Prepared by Reactive dc Magnetron Sputtering. Japanese Journal of Applied Physics, 2004, 43, 4166-4170.	1.5	6
120	Electrooptic and Piezoelectric Properties of $(\text{Pb,Lu})(\text{Zr,Ti})\text{O}_3$ Films with Various Zr/Ti Ratios. Japanese Journal of Applied Physics, 2008, 47, 7541-7544.	1.5	6
121	Study of Structure, Magnetic and Electrical Properties of $\text{Co}_{2-x}\text{MnSi}$ Heusler Alloy Thin Films Onto n-Si Substrates. IEEE Transactions on Magnetics, 2009, 45, 4030-4032.	2.1	6
122	Promotion of L10 ordering of FePd films with amorphous $\text{CoFeB}$ thin interlayer. Journal of Applied Physics, 2012, 111, 07C112.	2.5	6
123	Strategy to utilize transmission electron microscopy and X-ray diffraction to investigate biaxial strain effect in epitaxial $\text{BiFeO}_3$ films. Japanese Journal of Applied Physics, 2018, 57, 0902A5.	1.5	6
124	Short range biaxial strain relief mechanism within epitaxially grown $\text{BiFeO}_3$ . Scientific Reports, 2019, 9, 6715.	3.3	6
125	Enhancement of magnetic coupling and magnetic anisotropy in MTJs with multiple $\text{CoFeB}/\text{MgO}$ interfaces for high thermal stability. AIP Advances, 2021, 11, .	1.3	6
126	High-Quality Sputtered $\text{BiFeO}_3$ for Ultrathin Epitaxial Films. ACS Applied Electronic Materials, 2021, 3, 4836-4848.	4.3	6



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127	Structural Analysis of Polycrystalline BiFeO <sub>3</sub> Films by Transmission Electron Microscopy. Materials Transactions, 2007, 48, 2370-2373.	1.2	5
128	Ferroelectric and magnetic properties of multiferroic BiFeO <sub>3</sub> -based composite films. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1051-1055.	3.0	5
129	Structural analysis of interfacial strained epitaxial BiMnO <sub>3</sub> films fabricated by chemical solution deposition. Journal of Applied Physics, 2009, 105, .	2.5	5
130	Growth mechanism and domain structure study on epitaxial BiFeO <sub>3</sub> film grown on (La <sub>0.3</sub> Sr <sub>0.7</sub> )(Al <sub>0.65</sub> Ta <sub>0.35</sub> )O <sub>3</sub> . Journal of Applied Physics, 2020, 127, .	2.5	5
131	THE OPTICAL PROPERTY OF MULTIFERROIC BiFeO <sub>3</sub> FILMS. Integrated Ferroelectrics, 2009, 106, 11-16.	0.7	4
132	Magnetic and Electronic Properties of BaTiO <sub>3</sub> -(Ni,Cu,Zn)Fe <sub>2</sub> O <sub>4</sub> Ceramic Composite: Reflection of Kepler Conjecture. Journal of the Physical Society of Japan, 2009, 78, 124801.	1.6	4
133	Tunnel magnetoresistance effect in double magnetic tunnel junctions using half-metallic Heusler alloy electrodes. Journal of Applied Physics, 2009, 105, 07C920.	2.5	4
134	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
135	Interlayer exchange coupling in perpendicularly magnetized synthetic ferrimagnet structure using CoCrPt and CoFeB. Journal of Physics: Conference Series, 2010, 200, 072104.	0.4	4
136	Time-Resolved Kerr Effect in Very Thin Films of CoCrPt Alloys. IEEE Transactions on Magnetics, 2011, 47, 3897-3900.	2.1	4
137	Enhancement of magnetoresistance using CoFe/Ru/CoFe synthetic ferrimagnetic pinned layer in BiFeO <sub>3</sub> based spin-valves. Applied Physics Letters, 2012, 101, 072901.	3.3	4
138	Annealing Temperature and Co Layer Thickness Dependence of Magnetoresistance Effect for $\text{La}_{1-x}\text{MnGa}_x\text{Co/MgO/CoFeB}$ Perpendicular Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2012, 48, 2808-2811.	2.1	4
139	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
140	Optimization of Pb Content in a Precursor Solution for the Fabrication of (Pb,La)(Zr,Ti)O <sub>3</sub> Films for Optical Applications by Chemical Solution Deposition. Ferroelectrics, 2007, 357, 223-227.	0.6	3
141	IMPRINT BEHAVIOR OF FERROELECTRIC Pb(ZrTi)O <sub>3</sub> THIN-FILM CAPACITORS IN THE EARLY STAGE. Integrated Ferroelectrics, 2008, 96, 90-99.	0.7	3
142	Structural characterization of epitaxial multiferroic BiFeO <sub>3</sub> films grown on SrTiO <sub>3</sub> (100) substrates by crystallizing amorphous Bi-Fe-Ox. Journal of the Ceramic Society of Japan, 2010, 118, 648-651.	1.1	3
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