Osamu Kitakami

List of Publications by Year
in descending order

258 papers	8,062 citations	81900 39 h-index	56724 83 g-index
258 all docs	258 docs citations	258 times ranked	5167 citing authors

#	Article	IF	Citations
1	Magnetic-field-induced shape recovery by reverse phase transformation. Nature, 2006, 439, 957-960.	27.8	1,631
2	Size effect on the crystal phase of cobalt fine particles. Physical Review B, 1997, 56, 13849-13854.	3.2	460
3	Chemical-order-dependent magnetic anisotropy and exchange stiffness constant of FePt (001) epitaxial films. Physical Review B, 2002, 66, .	3.2	428
4	Metamagnetic shape memory effect in a Heusler-type Ni43Co7Mn39Sn11 polycrystalline alloy. Applied Physics Letters, 2006, 88, 192513.	3.3	378
5	Effect of magnetic field on martensitic transition of Ni46Mn41In13 Heusler alloy. Applied Physics Letters, 2006, 88, 122507.	3.3	254
6	Lowering of ordering temperature for fct Feâ€“Pt in Fe/Pt multilayers. Journal of Applied Physics, 2001, 89, 7065-7067.	2.5	179
7	Low-temperature ordering of L10â€“CoPt thin films promoted by Sn, Pb, Sb, and Bi additives. Applied Physics Letters, 2001, 78, 1104-1106.	3.3	150
8	Effect of interdot magnetostatic interaction on magnetization reversal in circular dot arrays. Physical Review B, 2002, 65, .	3.2	140
9	Size effect on the ordering ofL10FePt nanoparticles. Physical Review B, 2005, 72, .	3.2	136
10	Structure and magnetism of hcp-Co fine particles. Journal of Applied Physics, 1997, 81, 1858-1862.	2.5	112
11	Ordering and orientation of CoPt/SiO2 granular films with additive Ag. Applied Physics Letters, 2000, 76, 3218-3220.	3.3	85
12	Novel magnetostrictive memory device. Journal of Applied Physics, 2000, 87, 6400-6402.	2.5	84
13	Magnetic anisotropy and behaviors of Fe nanoparticles. IEEE Transactions on Magnetics, 2001, 37, 2223-2225.	2.1	84
14	Size dependences of magnetic properties and switching behavior in FePtL10nanoparticles. Physical Review B, 2003, 67, .	3.2	84
15	Sensitive detection of irreversible switching in a single FePt nanosized dot. Applied Physics Letters, 2003, 82, 4313-4315.	3.3	83
16	Microwave assisted magnetic recording technologies and related physics. Journal Physics D: Applied Physics, 2015, 48, 353001.	2.8	82
17	Fabrication of L11 type Co-Pt ordered alloy films by sputter deposition. Journal of Applied Physics, 2008, 103, .	2.5	80
18	Particle size effects and surface anisotropy in Fe-based granular films. Journal of Applied Physics, 1998, 84, 2184-2188.	2.5	76

#	Article	IF	Citations
19	Magnetization switching behavior with microwave assistance. Applied Physics Letters, 2008, 93, .	3.3	74
20	Vertical bistable switching of spin vortex in a circular magnetic dot. Journal of Applied Physics, 2001, 90, 6548-6549.	2.5	73
21	Study on the in-plane uniaxial anisotropy of high permeability granular films. Journal of Applied Physics, 1998, 83, 6661-6663.	2.5	69
22	Switching Behaviors and its Dynamics of a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Co</mml:mi><mml:mo>/</mml:mo><mml:mi>Pt</mml:mi></mml:math>Nanodot Under the Assistance of rf Fields. Physical Review Letters, 2012, 109, 237209.	7.8	66
23	Influence of 5d transition elements on the magnetocrystalline anisotropy of hcp-Co. Journal of Physics Condensed Matter, 1999, 11, L485-L490.	1.8	65
24	Crystal distortion and the magnetic moment of epitaxially grown Î±â€³-Fe16N2. Journal of Magnetism and Magnetic Materials, 2000, 208, 102-114.	2.3	63
25	Effects of Pt and Ta on the magnetic anisotropy of Co and Coâ€“Cr thin films. Journal of Magnetism and Magnetic Materials, 1999, 202, 305-310.	2.3	62
26	Magnetic and transport properties of sub-micron ferromagnetic wires. IEEE Transactions on Magnetics, 1998, 34, 1096-1098.	2.1	59
27	Interlayer coupling inFe/Fe1â^'xSixsuperlattices. Physical Review B, 1999, 59, 4279-4286.	3.2	57
28	Nucleation and annihilation of magnetic vortices in sub-micron permalloy dots. IEEE Transactions on Magnetics, 2001, 37, 2088-2090.	2.1	53
29	High Perpendicular Magnetic Anisotropy of CoPtCr/Ru Films for Granular-Type Perpendicular Media. IEEE Transactions on Magnetics, 2004, 40, 2483-2485.	2.1	52
30	High-potential magnetic anisotropy of CoPtCr-SiO/sub 2/ perpendicular recording media. IEEE Transactions on Magnetics, 2005, 41, 566-571.	2.1	50
31	Microwave assisted switching mechanism and its stable switching limit. Journal of Applied Physics, 2010, 107, .	2.5	49
32	Effects of B and C on the ordering of L10-CoPt thin films. Applied Physics Letters, 2001, 79, 2001-2003.	3.3	48
33	Template Synthesis of Water-Dispersible Carbon Nano â€œTest Tubesâ€•without Any Post-treatment. Chemistry of Materials, 2006, 18, 1036-1040.	6.7	48
34	Study of the low temperature ordering of L10â€“Feâ€“Pt in Fe/Pt multilayers. Journal of Applied Physics, 2003, 94, 7222-7226.	2.5	47
35	Magnetic Properties of Fe-Cu and Fe-P Electrodeposited Alumite Films. Japanese Journal of Applied Physics, 1991, 30, 282-289.	1.5	44
36	Magnetoresistance and planar Hall effects in submicron exchange-coupled NiO/Fe19Ni81 wires. Applied Physics Letters, 1999, 74, 4026-4028.	3.3	44

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37	Time-Resolved Magnetization Dynamics and Damping Constant of Sputtered Co/Ni Multilayers. IEEE Transactions on Magnetics, 2011, 47, 3036-3039.	2.1	44
38	Surface anisotropy in giant magnetic coercivity effect of cubic granular FeCo/SiO2 and NiCo/SiO2 films: A comparison with NÃ©elâ€™s theory. Journal of Applied Physics, 1999, 86, 2161-2165.	2.5	43
39	Magnetic block array for patterned magnetic media. Applied Physics Letters, 2001, 78, 784-786.	3.3	42
40	Î±Ê¹-Fe16N2 phase epitaxially grown by sputter beam method. Journal of Applied Physics, 1996, 79, 5250.	2.5	40
41	Fine Metallic Particles for Magnetic Domain Observations. Japanese Journal of Applied Physics, 1996, 35, 1724-1728.	1.5	39
42	Large uniaxial magnetic anisotropy by lattice deformation in CoPtâˆ•Ru perpendicular films. Journal of Applied Physics, 2006, 99, 08G908.	2.5	39
43	Perpendicular Anisotropy and Gilbert Damping in Sputtered Co/Pd Multilayers. IEEE Transactions on Magnetics, 2012, 48, 3288-3291.	2.1	39
44	Microwave assisted magnetization switching in Co/Pt multilayer. Journal of Applied Physics, 2011, 109, 07B748.	2.5	38
45	Temperature-dependent magnetization reversal process and coercivity mechanism in Nd-Fe-B hot-deformed magnets. Journal of Applied Physics, 2015, 118, .	2.5	38
46	Large coercivity and granular structure of CoPt/SiO/sub 2/ films. IEEE Transactions on Magnetics, 1999, 35, 3466-3468.	2.1	36
47	Thermodynamic calculations of phase equilibria of Coâ€“Crâ€“Pt ternary system and magnetically induced phase separation in the FCC and HCP phases. Journal of Magnetism and Magnetic Materials, 2001, 236, 220-233.	2.3	36
48	Determination of first and second magnetic anisotropy constants of magnetic recording media. Applied Physics Letters, 2000, 77, 1689-1691.	3.3	34
49	Magnetization reversal in submicron ferromagnetic dots and antidots arrays. IEEE Transactions on Magnetics, 1998, 34, 1090-1092.	2.1	33
50	Enhancement of magnetic surface anisotropy of Pd/Co/Pd trilayers by the addition of Sm. Journal of Applied Physics, 2001, 90, 4085-4088.	2.5	33
51	Preliminary study on (CoPtCr/NiFe)-SiO/sub 2/ hard/soft-stacked perpendicular recording media. IEEE Transactions on Magnetics, 2005, 41, 3136-3138.	2.1	33
52	Magnetization reversal of FePt hard/soft stacked nanocomposite particle assembly. Journal of Applied Physics, 2006, 100, 074305.	2.5	33
53	Effect of surface free energy of underlayer materials on crystal growth of Co polycrystalline films. Journal of Applied Physics, 1996, 79, 6880-6883.	2.5	32
54	Effect of antiferromagnetic grain size on exchange-coupling field of Cr70Al30/Fe19Ni81 bilayers. Applied Physics Letters, 1997, 71, 1258-1260.	3.3	32

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55	Grain growth and L10 ordering in FePtâ€“SiO2 granular films. Journal of Magnetism and Magnetic Materials, 2002, 239, 310-312.	2.3	31
56	Microwave assistance effect on magnetization switching in Co-Cr-Pt granular film. Applied Physics Letters, 2013, 103, .	3.3	31
57	Thermomagnetic writing on 29 Gbit/in.2 patterned magnetic media. Applied Physics Letters, 1999, 75, 3159-3161.	3.3	30
58	Frequency modulation effect on microwave assisted magnetization switching. Applied Physics Letters, 2008, 93, 142501.	3.3	30
59	Long-range atomic ordering and magnetic properties of Co1â^'xPtx/SiO2 granular films. Journal of Applied Physics, 2000, 87, 6947-6949.	2.5	28
60	Large coercivity and surface anisotropy in MgO/Co multilayer films. Physical Review B, 2001, 63, .	3.2	28
61	Large Uniaxial Magnetic Anisotropy of Coâ€“Pt Perpendicular Films Induced by Lattice Deformation. IEEE Transactions on Magnetics, 2007, 43, 2995-2997.	2.1	28
62	Theoretical study of thermally activated magnetization switching under microwave assistance: Switching paths and barrier height. Physical Review B, 2015, 91, .	3.2	28
63	Template synthesis of water-dispersible and magnetically responsive carbon nano test tubes. Chemical Communications, 2008, , 2215.	4.1	27
64	Prediction of effective elements for magnetically induced phase separation in Coâ€“Cr-based magnetic recording media. Applied Physics Letters, 2001, 79, 644-646.	3.3	26
65	Temperature dependent magnetization reversal process of a Ga-doped Nd-Fe-B sintered magnet based on first-order reversal curve analysis. Acta Materialia, 2019, 178, 90-98.	7.9	26
66	First-order reversal curve analysis of a Nd-Fe-B sintered magnet with soft X-ray magnetic circular dichroism microscopy. Acta Materialia, 2019, 162, 1-9.	7.9	26
67	Correlation of Giant Magnetoresistance with Interfacial Roughness in Co/Cu Superlattices. Japanese Journal of Applied Physics, 1994, 33, 6173-6178.	1.5	25
68	Enhancement of magnetic anisotropy of hydrogenated Pd/Co/Pd trilayers. Journal of Magnetism and Magnetic Materials, 2002, 239, 313-315.	2.3	25
69	Switching Field and Thermal Stability of CoPt/Ru Dot Arrays With Various Thicknesses. IEEE Transactions on Magnetics, 2007, 43, 2160-2162.	2.1	25
70	Size dependence of magnetization switching and its dispersion of Co/Pt nanodots under the assistance of radio frequency fields. Journal of Applied Physics, 2014, 115, .	2.5	25
71	Magnetic anisotropy and order structure of L1-FePt(001) single-crystal films grown epitaxially on (001) planes of MgO, SrTiO3, and MgAl2O4 substrates. Journal of Applied Physics, 2014, 115, .	2.5	25
72	Multiple Magnetic Resonance in Amorphous Co-Nb-Zr Films with Weak Perpendicular Anisotropy. Japanese Journal of Applied Physics, 1995, 34, 4786-4789.	1.5	24

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73	Characterization of epitaxially grown Feâ€N films by sputter beam method. Journal of Applied Physics, 1996, 79, 1678-1683.	2.5	24
74	A Study of the Magnetic Domains of Isolated Fine Particles of Ba Ferrite. Japanese Journal of Applied Physics, 1988, 27, 2274-2277.	1.5	22
75	Magnetically induced phase separation and magnetic properties of Coâ€“Mo hexagonal-close-packed structure thin films. Applied Physics Letters, 2003, 83, 966-968.	3.3	22
76	Energy Barrier Enhanced by Higher Order Magnetic Anisotropy Terms. Japanese Journal of Applied Physics, 2003, 42, L455-L457.	1.5	22
77	Ni80Fe20 permalloy nanoparticles: Wet chemical preparation, size control and their dynamic permeability characteristics when composited with Fe micron particles. Journal of Magnetism and Magnetic Materials, 2009, 321, 4057-4062.	2.3	22
78	Noise from underlayer of perpendicular magnetic recording medium. Journal of Applied Physics, 1985, 57, 3925-3927.	2.5	20
79	Observation of high density recording states using magnetic fine particles made by sputtering method. Journal of Magnetism and Magnetic Materials, 1994, 130, 384-390.	2.3	20
80	On Magnetization Reversal of Coâ€“Cr Films with Perpendicular Anisotropy. Japanese Journal of Applied Physics, 2001, 40, 4019-4022.	1.5	20
81	Energy barrier and reversal mechanism in Coâˆ•Pt multilayer nanodot. Journal of Applied Physics, 2008, 103, 07C501.	2.5	20
82	Temperature and field direction dependences of first-order reversal curve (FORC) diagrams of hot-deformed Nd-Fe-B magnets. Journal of Magnetism and Magnetic Materials, 2018, 447, 110-115.	2.3	20
83	Brillouin light scattering from spin waves in Co100âˆ’xCrx alloy films. Journal of Magnetism and Magnetic Materials, 2000, 221, 261-267.	2.3	18
84	The critical size between single domain and multidomain in L1-FePt particles. Journal of Applied Physics, 2008, 103, .	2.5	18
85	Stonerâ€“Wohlfarth Like Magnetization Switching in Very Small Co/Pt Nanodots under the Assistance of Radio Frequency Magnetic Field. Applied Physics Express, 2013, 6, 053006.	2.4	18
86	Improvement in Magnetoresistance of Very Thin Permalloy Films by Post-Annealing. Japanese Journal of Applied Physics, 1994, 33, L1304-L1306.	1.5	17
87	Production of Magnetically Soft Submicron Particles From Aqueous Solutions and Characterization. IEEE Transactions on Magnetics, 2009, 45, 4298-4301.	2.1	17
88	Observations on Perpendicular Magnetic Recordings of High Recording Densities on Co-Cr Films by the Colloid-SEM Method. Japanese Journal of Applied Physics, 1986, 25, 1358-1364.	1.5	16
89	Permeability of submicron and nanometer ferromagnetic particle composites. Journal of Applied Physics, 2007, 101, 09M505.	2.5	16
90	Dot arrays of L11 type Coâ€“Pt ordered alloy perpendicular films. Journal of Applied Physics, 2009, 105, 07C109.	2.5	16

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91	Microwave-Assistance Effect on Magnetization Switching in Antiferromagnetically Coupled CoCrPt Granular Media. IEEE Transactions on Magnetics, 2016, 52, 1-3.	2.1	16
92	Vertical magnetization process in sub-micron permalloy dots. IEEE Transactions on Magnetics, 2001, 37, 2082-2084.	2.1	15
93	Dry-etching damage to magnetic anisotropy of Co-Pt dot arrays characterized using anomalous Hall effect. Journal of Applied Physics, 2012, 111, .	2.5	15
94	Significant Reduction of Switching Field and its Distribution in Co/Pt Nanodots with Assistance of Radio Frequency Field. Applied Physics Express, 2012, 5, 093005.	2.4	15
95	Frequency and Time Dependent Microwave Assisted Switching Behaviors of Co/Pt Nanodots. Applied Physics Express, 2012, 5, 043001.	2.4	15
96	Inverse Tunnel Magnetocapacitance in Fe/Al-oxide/Fe3O4. Scientific Reports, 2017, 7, 2682.	3.3	15
97	Magnetic and crystallographic study of Co electrodeposited alumite films. Journal of Applied Physics, 1993, 73, 5391-5393.	2.5	14
98	Magnon Brillouin Scattering from an Amorphous CoNbZr Thin Film. Japanese Journal of Applied Physics, 1994, 33, 3927-3928.	1.5	14
99	The anisotropy field of FePt L10nanoparticles controlled by very thin Pt layer. Journal of Physics Condensed Matter, 2004, 16, 2109-2114.	1.8	14
100	Novel torque magnetometry for uniaxial anisotropy constants of thin films and its application to FePt granular thin films. Applied Physics Express, 2018, 11, 033002.	2.4	14
101	The effect of Ti underlayer on magnetic properties of Co-Cr thin films. IEEE Transactions on Magnetics, 1987, 23, 2797-2799.	2.1	13
102	The effects of buffer layers on the crystalline structures and magnetic properties of Co-rich Co-Fe and Co-Fe-Al films. Journal Physics D: Applied Physics, 1995, 28, 1778-1784.	2.8	13
103	Crystal structure and magnetic properties of Fe (111) singe crystal films. Journal of Applied Physics, 1997, 81, 344-349.	2.5	13
104	Direct observation of magnetically induced phase separation in Co-W sputtered thin films. Applied Physics Letters, 2004, 85, 2559-2561.	3.3	13
105	Thermal stability and recording writability of hard/soft stacked perpendicular media. Journal of Applied Physics, 2006, 99, 08G913.	2.5	13
106	Magnetic Anisotropy of Co-M-Pt (${m M}={m Cr}$, Mo, Ru, W, Re) Perpendicular Films Deposited on Various Seed Layer Materials. IEEE Transactions on Magnetics, 2007, 43, 2106-2108.	2.1	13
107	Magnetization reversal process and bistability of Coâˆ•Pt multilayer dot. Journal of Applied Physics, 2008, 103, 07C510.	2.5	13
108	Nucleation size of hcp-CoPt dot arrays characterized by time dependence of coercivity. Journal of Physics: Conference Series, 2010, 200, 102003.	0.4	13

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109	Dot arrays of L1-type FePt ordered alloy perpendicular films fabricated using low-temperature sputter film deposition. Journal of Applied Physics, 2011, 109, .	2.5	13
110	Theory and Experiment of Microwave-Assisted Magnetization Switching in Perpendicular Magnetic Nanodots. IEEE Transactions on Magnetics, 2014, 50, 83-88.	2.1	13
111	Magnetic characteristics and nanostructures of FePt granular films with GeO2 segregant. Applied Physics Letters, 2017, 110, .	3.3	13
112	Direct detection and stochastic analysis on thermally activated domain-wall depinning events in micropatterned Nd-Fe-B hot-deformed magnets. Acta Materialia, 2020, 201, 7-13.	7.9	13
113	Interdiffused Layers in Antiferromagnetically Coupled Fe/Si Multilayers Studied by Soft-X-Ray Fluorescence Spectroscopy. Japanese Journal of Applied Physics, 2004, 43, 4327-4333.	1.5	12
114	Magnetization reversal process in FePt L10 nanoparticles. Scripta Materialia, 2005, 53, 395-401.	5.2	12
115	Magnetization behavior of nanomagnets for patterned media application. Journal of Magnetism and Magnetic Materials, 2008, 320, 2874-2879.	2.3	12
116	Generation of nanosecond magnetic pulse field for switching experiments on a single Co/Pt nanodot. Journal of Applied Physics, 2009, 105, 07D506.	2.5	12
117	Amorphous Submicron Particle Chains With High Permeability. IEEE Transactions on Magnetics, 2011, 47, 2831-2834.	2.1	12
118	Robustness of Voltage-induced Magnetocapacitance. Scientific Reports, 2018, 8, 14709.	3.3	12
119	Study on the surface oxidation of Co-Cr films. IEEE Transactions on Magnetics, 1990, 26, 2676-2678.	2.1	11
120	Temperature dependence of interlayer coupling in Fe/Si superlattices. IEEE Transactions on Magnetics, 1998, 34, 906-908.	2.1	11
121	Effect of lattice distortion on magnetic and electronic state of Î±â€³-Fe16N2. Journal of Applied Physics, 1999, 85, 4952-4954.	2.5	11
122	Sharrock Relation for Perpendicular Recording Media with Higher-Order Magnetic Anisotropy Terms. Japanese Journal of Applied Physics, 2004, 43, L115-L117.	1.5	11
123	Recording Resolution and Writability for (Co-Pt)-SiO$_{2}$/Co-SiO$_{2}$ Hard/Soft-Stacked Granular Perpendicular Media. IEEE Transactions on Magnetics, 2007, 43, 2103-2105.	2.1	11
124	Magnetic properties of Coâ€“Ptâ•Co hard/soft stacked dot arrays. Journal of Applied Physics, 2008, 103, 07C504.	2.5	11
125	Effect of dipole interaction on microwave assisted magnetization switching. Journal of Applied Physics, 2010, 107, 033904.	2.5	11
126	Influence of initial growth layer and Ti underlayer on magnetic properties and recording characteristics of very thin films of evaporated Co-Cr media. IEEE Transactions on Magnetics, 1989, 25, 2607-2611.	2.1	10

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127	Measurement of perpendicular giant magnetoresistance of Fe/Si superlattices. Applied Physics Letters, 1998, 72, 495-497.	3.3	10
128	Thermodynamic calculations of the effect of B and Ta on magnetically induced phase separation in Coâ€“Crâ€“Pt alloys. Applied Physics Letters, 2002, 80, 2704-2706.	3.3	10
129	Co-Mo and Co-Mo-Cr alloy thin films promising for magnetic recording. IEEE Transactions on Magnetics, 2005, 41, 918-920.	2.1	10
130	Ku2 magnetic anisotropy term of CoPtCrâ€“SiO2 media for high density recording. Journal of Applied Physics, 2005, 97, 10N111.	2.5	10
131	Effect of reaction time on formation of CoNi particles prepared via the polyol method. Metals and Materials International, 2007, 13, 207-210.	3.4	10
132	Magnetization Switching Experiments on Sub-Micron Co/Pt Multilayer Dot Using a Pulse Field Generator With Nanoseconds Duration. IEEE Transactions on Magnetics, 2008, 44, 3446-3449.	2.1	10
133	Fabrication of L11-type (Coâ€“Ni)â€“Pt ordered alloy films by sputter deposition. Journal of Applied Physics, 2009, 105, 07B726.	2.5	10
134	Co/Pt multilayer dot switching experiments with sub-nanosecond pulse field. Journal of Applied Physics, 2011, 109, 07B904.	2.5	10
135	Study of Permeability for Composites Including Fe, NiZn Ferrite and Fe-B-P Particles. IEEE Transactions on Magnetics, 2011, 47, 3160-3162.	2.1	10
136	High permeability and electromagnetic noise suppression characteristics of Feâ€“Bâ€“P sub-micron particle chains and their composites with NiZnâ€“ferrite nanoparticles. Journal of Alloys and Compounds, 2013, 554, 414-418.	5.5	10
137	In Situ Study of Molecular Doping of Chlorine on MoS₂ Field Effect Transistor Device in Ultrahigh Vacuum Conditions. ACS Omega, 2020, 5, 28108-28115.	3.5	10
138	Magnetic Properties and Microstructures of Fe-Polyethylene Co-Evaporated Films. Japanese Journal of Applied Physics, 1990, 29, 860-863.	1.5	9
139	Magnetization reversal in magnetostatically coupled dot arrays. Journal of Applied Physics, 2002, 91, 6952.	2.5	9
140	Pt Content Dependence of Magnetic Properties of CoPt/Ru Patterned Films. IEEE Transactions on Magnetics, 2006, 42, 3883-3885.	2.1	9
141	Uniaxial magnetic anisotropy in Co and Coâ€“Pt based perpendicular films in relation to lattice deformation. Journal of Applied Physics, 2008, 103, 07F524.	2.5	9
142	Energy barrier analysis of Nd-Fe-B thin films. Journal of Applied Physics, 2015, 117, 17B514.	2.5	9
143	Ferromagnetic Resonance of a Single Magnetochiral Metamolecule of Permalloy. Physical Review Applied, 2016, 6, .	3.8	9
144	Microwave-assisted switching in CoCrPt granular medium under continuous microwave fields. Journal of Applied Physics, 2019, 126, 083908.	2.5	9

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145	Improvement of the reproduced output of Co-Cr thin film media by insertion of very thin soft magnetic underlayer. IEEE Transactions on Magnetics, 1989, 25, 4177-4179.	2.1	8
146	A Convenient Method for Estimating the Inclination of Recorded Magnetization Using the Bitter Technique. Japanese Journal of Applied Physics, 1991, 30, L739-L741.	1.5	8
147	Study of NiO/NiFe/Cu/NiFe spin valves. Journal of Magnetism and Magnetic Materials, 1996, 164, 43-48.	2.3	8
148	Magnetization reversal processes in submicron Co dots and antidots arrays. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 483-485.	2.3	8
149	Magnetically induced two-phase separation in Coâ€“Ge and Coâ€“Si systems. Journal of Magnetism and Magnetic Materials, 2002, 239, 409-411.	2.3	8
150	Magnetic anisotropy of epitaxially grown Co and its alloy thin films. Journal of Physics Condensed Matter, 2009, 21, 185008.	1.8	8
151	Magnetic anisotropy ofL1₁-type (Co_{1-X}M_X)₅₀Pt₅₀(M:Ni, Fe, Cr, Mn) and Co₅₀(Pt_{1-X}Pd_X)₅₀ordered alloy perpendicular films. Journal of Physics: Conference Series, 2010, 200, 102002.	0.4	8
152	Crystal structures and magnetic properties of epitaxial Coâ€“W perpendicular films. Journal of Magnetism and Magnetic Materials, 2013, 334, 119-123.	2.3	8
153	Quantized spin waves in single Co/Pt dots detected by anomalous Hall effect based ferromagnetic resonance. Applied Physics Letters, 2014, 105, .	3.3	8
154	Quasi-ballistic magnetization switching in Co/Pt dots with perpendicular magnetization. Applied Physics Letters, 2014, 104, .	3.3	8
155	Addition of Ru to L1₀-FePt thin film to lower Curie temperature. Applied Physics Express, 2016, 9, 123002.	2.4	8
156	The effect of initial growth layer on magnetic properties of Co-Cr films. IEEE Transactions on Magnetics, 1988, 24, 2353-2355.	2.1	7
157	Co-P Electrodeposited Alumite Films with In-Plane Magnetization. Japanese Journal of Applied Physics, 1990, 29, 1675-1679.	1.5	7
158	Properties of Fe(001) Single-Crystal Films Grown by Sputter Beam Method. Japanese Journal of Applied Physics, 1994, 33, 6164-6167.	1.5	7
159	Magnetic recording patterns of obliquely evaporated Coâ€“O thin films observed by using ultrafine Co particles. Journal of Applied Physics, 1994, 76, 3177-3180.	2.5	7
160	Brillouin light scattering from spin waves in epitaxial hcp Co films. Physical Review B, 2003, 67, .	3.2	7
161	Assembly of FePt L10 nanoparticles grown on MgO(110) with self-organized groove structure. Journal of Applied Physics, 2004, 96, 5217-5221.	2.5	7
162	Experimental investigation of off-stoichiometry and 3d transition metal (Mn, Ni,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (Cu)	1.3	7

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163	Spin transfer torque switching of Co/Pd multilayers and Gilbert damping of Co-based multilayers. Japanese Journal of Applied Physics, 2018, 57, 09TD01.	1.5	7
164	Detection of elemental magnetization reversal events in a micro-patterned Nd-Fe-B hot-deformed magnet. AIP Advances, 2019, 9, 125052.	1.3	7
165	Magnetotransport properties of submicron exchange coupled Fe19Ni81/NiO wires. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 434-436.	2.3	6
166	Magnetic Anisotropy Energy of L1₀ CoPt-B Thin Films Elongated c-axis. Materials Transactions, 2003, 44, 1514-1517.	1.2	6
167	Brillouin light scattering from collective spin waves in Feâ€“Alâ€“O granular films. Journal of Magnetism and Magnetic Materials, 2004, 268, 257-263.	2.3	6
168	CoPtCr-SiO/sub 2/ perpendicular media for high density recording with a high order magnetic anisotropy energy term. IEEE Transactions on Magnetics, 2005, 41, 3175-3177.	2.1	6
169	CoPtCrâ^'SiO2 media with Ku2 magnetic anisotropy term fabricated with Pd seed layers. Journal of Applied Physics, 2006, 99, 08G907.	2.5	6
170	Epitaxially grown L10-FePt/(C, SiO2, and Al2O3) granular films. Journal of Magnetism and Magnetic Materials, 2007, 310, 2367-2368.	2.3	6
171	Magnetic properties of thin hard/soft-stacked dot arrays with a large uniaxial magnetic anisotropy. Journal of Applied Physics, 2009, 105, 07C103.	2.5	6
172	Effect of Annealing on Magnetic Properties of Ni₈₀Fe₂₀ Permalloy Nanoparticles Prepared by Polyol Method. Journal of Nanoscience and Nanotechnology, 2011, 11, 10796-10799.	0.9	6
173	Temperature dependence of the magnetic properties of L11-type Coâ€“Niâ€“Pt ordered alloy films for thermally assisted recording media. Journal of Applied Physics, 2011, 110, 013918.	2.5	6
174	Frequency dependence of microwave-assisted switching in CoCrPt granular perpendicular media. Japanese Journal of Applied Physics, 2018, 57, 09TE02.	1.5	6
175	Antiferromagnetic coupling in Co/Ge superlattices. Journal of Physics Condensed Matter, 1999, 11, L133-L137.	1.8	5
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