Yukiko K Takahashi

List of Publications by Year
in descending order

234 papers	8,410 citations	44069 48 h-index	58581 82 g-index
238 all docs	238 docs citations	238 times ranked	4925 citing authors

#	Article	IF	Citations
1	All-optical control of ferromagnetic thin films and nanostructures. Science, 2014, 345, 1337-1340.	12.6	524
2	Preparation and magnetic properties of highly coercive FePt films. Applied Physics Letters, 2002, 81, 1050-1052.	3.3	273
3	Coercivity exceeding 100kOe in epitaxially grown FePt sputtered films. Applied Physics Letters, 2004, 85, 2571-2573.	3.3	228
4	Spin gapless semiconducting behavior in equiatomic quaternary CoFeMnSi Heusler alloy. Physical Review B, 2015, 91, .	3.2	212
5	L10-ordered high coercivity (FePt)Agâ€“C granular thin films for perpendicular recording. Journal of Magnetism and Magnetic Materials, 2010, 322, 2658-2664.	2.3	173
6	Size dependence of ordering in FePt nanoparticles. Journal of Applied Physics, 2004, 95, 2690-2696.	2.5	167
7	Structure, magnetic property, and spin polarization of Co2FeAlxSi1âˆ’x Heusler alloys. Journal of Applied Physics, 2007, 102, .	2.5	162
8	Current-perpendicular-to-plane giant magnetoresistance in spin-valve structures using epitaxial Co2FeAl0.5Si0.5/Ag/Co2FeAl0.5Si0.5 trilayers. Applied Physics Letters, 2008, 93, .	3.3	157
9	Intrinsic hard magnetic properties of Sm(Fe 1âˆ’x Co x) 12 compound with the ThMn 12 structure. Scripta Materialia, 2017, 138, 62-65.	5.2	157
10	Nd₂Fe₁₄B/FeCo Anisotropic Nanocomposite Films with a Large Maximum Energy Product. Advanced Materials, 2012, 24, 6530-6535.	21.0	150
11	Effect of Cu on the structure and magnetic properties of FePt sputtered film. Journal of Magnetism and Magnetic Materials, 2002, 246, 259-265.	2.3	144
12	Bulk and interfacial scatterings in current-perpendicular-to-plane giant magnetoresistance with Co2Fe(Al0.5Si0.5) Heusler alloy layers and Ag spacer. Applied Physics Letters, 2010, 96, .	3.3	143
13	Sm(Co,Cu)5âˆ•Fe exchange spring multilayer films with high energy product. Applied Physics Letters, 2005, 86, 122509.	3.3	142
14	Size effect on the ordering of FePt granular films. Journal of Applied Physics, 2003, 93, 7166-7168.	2.5	138
15	Size effect on the ordering ofL10FePt nanoparticles. Physical Review B, 2005, 72, .	3.2	136
16	Current-perpendicular-to-plane magnetoresistance in epitaxial Co2MnSiâˆ•Crâˆ•Co2MnSi trilayers. Applied Physics Letters, 2006, 88, 222504.	3.3	133
17	Fabrication and Characteristics of Ordered Ni Nanostructures on Glass by Anodization and Direct Current Electrodeposition. Chemistry of Materials, 2002, 14, 4595-4602.	6.7	128
18	High spin polarization in CoFeMnGe equiatomic quaternary Heusler alloy. Journal of Applied Physics, 2014, 116, .	2.5	115

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19	NdFe12N hard-magnetic compound with high magnetization and anisotropy field. Scripta Materialia, 2015, 95, 70-72.	5.2	113
20	Spin polarization and Gilbert damping of Co2Fe(GaxGe1â^'x) Heusler alloys. Acta Materialia, 2012, 60, 6257-6265.	7.9	108
21	Large magnetoresistance in current-perpendicular-to-plane pseudospin valve using a Co2Fe(Ge0.5Ga0.5) Heusler alloy. Applied Physics Letters, 2011, 98, .	3.3	99
22	Spin polarization of Co2FeSi full-Heusler alloy and tunneling magnetoresistance of its magnetic tunneling junctions. Applied Physics Letters, 2006, 89, 082512.	3.3	98
23	Microstructure optimization to achieve high coercivity in anisotropic Ndâ€“Feâ€“B thin films. Acta Materialia, 2011, 59, 7768-7775.	7.9	95
24	Intrinsic magnetic properties of Sm(Fe1-Co)11Ti and Zr-substituted Sm1-yZr (Fe0.8Co0.2)11.5Ti0.5 compounds with ThMn12 structure toward the development of permanent magnets. Acta Materialia, 2018, 153, 354-363.	7.9	92
25	Microstructure and magnetic properties of FePt and Fe/FePt polycrystalline films with high coercivity. Journal of Applied Physics, 2004, 96, 475-481.	2.5	91
26	Microstructure and magnetic properties of FePt thin films epitaxially grown on MgO (001) substrates. Journal of Magnetism and Magnetic Materials, 2003, 267, 248-255.	2.3	85
27	Size dependences of magnetic properties and switching behavior in FePtL10nanoparticles. Physical Review B, 2003, 67, .	3.2	84
28	Transmission electron microscopy investigation of CoFeB/MgO/CoFeB pseudospin valves annealed at different temperatures. Journal of Applied Physics, 2009, 106, .	2.5	81
29	High spin polarization and spin splitting in equiatomic quaternary CoFeCrAl Heusler alloy. Journal of Magnetism and Magnetic Materials, 2015, 394, 82-86.	2.3	79
30	Enhancement of giant magnetoresistance by L21 ordering in Co2Fe(Ge0.5Ga0.5) Heusler alloy current-perpendicular-to-plane pseudo spin valves. Applied Physics Letters, 2013, 103, .	3.3	78
31	L1₀FePtâ€“C Nanogranular Perpendicular Anisotropy Films with Narrow Size Distribution. Applied Physics Express, 0, 1, 101301.	2.4	76
32	Quantitative analysis of anisotropic magnetoresistance in Co2MnZ and Co2FeZ epitaxial thin films: A facile way to investigate spin-polarization in half-metallic Heusler compounds. Applied Physics Letters, 2014, 104, .	3.3	76
33	Particulate structure of L10 ordered ultrathin FePt films for perpendicular recording. Applied Physics Letters, 2008, 92, .	3.3	75
34	High spin-filter efficiency in a Co ferrite fabricated by a thermal oxidation. Applied Physics Letters, 2010, 96, 072512.	3.3	75
35	All-metallic lateral spin valves using Co2Fe(Ge0.5Ga0.5) Heusler alloy with a large spin signal. Applied Physics Letters, 2012, 100, .	3.3	75
36	On low-temperature ordering of FePt films. Scripta Materialia, 2005, 53, 403-409.	5.2	63

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37	Spin polarization of Fe4N thin films determined by point-contact Andreev reflection. Applied Physics Letters, 2009, 94, .	3.3	63
38	Accumulative Magnetic Switching of Ultrahigh-Density Recording Media by Circularly Polarized Light. Physical Review Applied, 2016, 6, .	3.8	61
39	L1$_{0}$-Ordered FePt-Based Perpendicular Magnetic Recording Media for Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2013, 49, 718-722.	2.1	58
40	Microstructure and spin polarization of quaternary Co2Cr1â^'xVxAl, Co2V1â^'xFexAl and Co2Cr1â^'xFexAl Heusler alloys. Acta Materialia, 2007, 55, 3867-3874.	7.9	57
41	Achievement of high coercivity in Sm(Fe0.8Co0.2)12 anisotropic magnetic thin film by boron doping. Acta Materialia, 2020, 194, 337-342.	7.9	57
42	Formation of octahedral FePt nanoparticles by alternate deposition of FePt and MgO. Applied Physics Letters, 2006, 88, 063117.	3.3	56
43	L1-ordered FePtAgâ€“C granular thin film for thermally assisted magnetic recording media (invited). Journal of Applied Physics, 2011, 109, .	2.5	54
44	Microstructure and magnetic properties of FePt-SiO2 granular films with Ag addition. Journal of Applied Physics, 2008, 103, .	2.5	53
45	Ordering process of sputtered FePt films. Journal of Applied Physics, 2003, 93, 7580-7582.	2.5	51
46	Particulate structure of FePt thin films enhanced by Au and Ag alloying. Journal of Applied Physics, 2006, 100, 056105.	2.5	51
47	Transmission electron microscopy study on the effect of various capping layers on CoFeB/MgO/CoFeB pseudo spin valves annealed at different temperatures. Journal of Applied Physics, 2012, 111, .	2.5	50
48	Highly spin-polarized Co2MnGa0.5Sn0.5 Heusler compound. Acta Materialia, 2009, 57, 2702-2709.	7.9	49
49	Effect of MgO underlayer misorientation on the texture and magnetic property of FePtâ€“C granular film. Acta Materialia, 2015, 91, 41-49.	7.9	49
50	Magneto-optical painting of heat current. Nature Communications, 2020, 11, 2.	12.8	49
51	Beyond a phenomenological description of magnetostriction. Nature Communications, 2018, 9, 388.	12.8	48
52	Interfacial disorder in the L10 FePt particles capped with amorphous Al2O3. Applied Physics Letters, 2004, 84, 383-385.	3.3	47
53	Low-Temperature Fabrication of High-Coercivity L10 Ordered FePt Magnetic Thin Films by Sputtering. Japanese Journal of Applied Physics, 2001, 40, L1367-L1369.	1.5	44
54	Exchange bias of spin valve structure with a top-pinned Co40Fe40B20â^•IrMn. Applied Physics Letters, 2008, 93, .	3.3	44

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55	Enhanced Spin Polarization of Co₂MnGe Heusler Alloy by Substitution of Ga for Ge. Applied Physics Express, 2010, 3, 023002.	2.4	44
56	Co-Based Heusler Alloys for CPP-GMR Spin-Valves With Large Magnetoresistive Outputs. IEEE Transactions on Magnetics, 2012, 48, 1751-1757.	2.1	44
57	Spin polarization of quaternary Co2Cr1â^'xFexAl Heusler alloys. Applied Physics Letters, 2006, 89, 052505.	3.3	43
58	Time-Domain Observation of the Spinmotive Force in Permalloy Nanowires. Physical Review Letters, 2012, 108, 147202.	7.8	43
59	Emergence of coercivity in Sm(Fe0.8Co0.2)12 thin films via eutectic alloy grain boundary infiltration. Scripta Materialia, 2019, 164, 140-144.	5.2	43
60	Current-perpendicular-to-plane giant magnetoresistance using Co2Fe(Ga1â^'xGex) Heusler alloy. Journal of Applied Physics, 2013, 113, .	2.5	42
61	Mechanism of coercivity enhancement by Ag addition in FePt-C granular films for heat assisted magnetic recording media. Applied Physics Letters, 2014, 104, .	3.3	42
62	Preparation of Monodisperse and Highly CoerciveL10-FePt Nanoparticles Dispersible in Nonpolar Organic Solvents. Chemistry of Materials, 2006, 18, 5385-5388.	6.7	40
63	Boron segregation in crystallized MgO/amorphous-Co40Fe40B20 thin films. Journal of Applied Physics, 2008, 104, 033517.	2.5	40
64	The effect of Zr substitution on saturation magnetization in (Sm1-xZrx)(Fe0.8Co0.2)12 compound with the ThMn12 structure. Acta Materialia, 2019, 178, 114-121.	7.9	40
65	Influence of the buffer layers on magnetic properties of FePt (001) films sputter-deposited at reduced temperature. Journal of Applied Physics, 2004, 96, 1127-1132.	2.5	39
66	Magneto-transport and microstructure of Co2Fe(Ga0.5Ge0.5)/Cu lateral spin valves prepared by top-down microfabrication process. Journal of Applied Physics, 2014, 115, .	2.5	39
67	Spin-dependent single-electron-tunneling effects in epitaxial Fe nanoparticles. Applied Physics Letters, 2004, 84, 3106-3108.	3.3	38
68	Microstructure and magnetic properties of SmCo5 thin films deposited on Cu and Pt underlayers. Journal of Applied Physics, 2006, 100, 053913.	2.5	38
69	Structure and magnetoresistance of current-perpendicular-to-plane pseudo spin valves using Co2Mn(Ga0.25Ge0.75) Heusler alloy. Journal of Applied Physics, 2013, 113, .	2.5	38
70	Effect of Cr substitution for Fe on the spin polarization of Co2CrxFe1â^'xSi Heusler alloys. Journal of Applied Physics, 2007, 102, .	2.5	35
71	Microstructures and coercivities of SmCox and Sm(Co,Cu)5 films prepared by magnetron sputtering. Journal of Magnetism and Magnetic Materials, 2007, 310, 1-7.	2.3	35
72	Hard magnetic properties of spacer-layer-tuned NdFeB/Ta/Fe nanocomposite films. Acta Materialia, 2015, 84, 405-412.	7.9	35

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73	Columnar Structure in FePtâ€“C Granular Media for Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	34
74	Magnetic anisotropy constants of ThMn12-type Sm(Fe1â€“Co)12 compounds and their temperature dependence. Journal of Magnetism and Magnetic Materials, 2020, 497, 165965.	2.3	34
75	Regulation of oxygen reduction reaction by the magnetic effect of L10-PtFe alloy. Applied Catalysis B: Environmental, 2020, 278, 119332.	20.2	34
76	Magnetization reversal of FePt hard/soft stacked nanocomposite particle assembly. Journal of Applied Physics, 2006, 100, 074305.	2.5	33
77	Heat-assisted magnetic recording media materials. MRS Bulletin, 2018, 43, 93-99.	3.5	32
78	Structure and transport properties of current-perpendicular-to-plane spin valves using Co2FeAl0.5Si0.5 and Co2MnSi Heusler alloy electrodes. Journal of Applied Physics, 2010, 107, .	2.5	31
79	High coercivity and magnetic domain observation in epitaxially grown particulate FePt thin films. Journal of Magnetism and Magnetic Materials, 2003, 266, 171-177.	2.3	30
80	Spin polarization of Co2MnGe and Co2MnSi thin films with A2 and L21 structures. Journal of Applied Physics, 2007, 101, 023901.	2.5	30
81	FePt-C nanogranular films for perpendicular magnetic recording. Journal of Applied Physics, 2009, 105, .	2.5	30
82	Recent advances in SmFe₁₂-based permanent magnets. Science and Technology of Advanced Materials, 2021, 22, 449-460.	6.1	30
83	Electrically conductive (Mg0.2Ti0.8)O underlayer to grow FePt-based perpendicular recording media on glass substrates. Journal of Applied Physics, 2013, 113, .	2.5	29
84	Large magnetoresistance in Heusler-alloy-based epitaxial magnetic junctions with semiconducting Cu(In0.8Ga0.2)Se2 spacer. Applied Physics Letters, 2016, 109, .	3.3	29
85	Nucleation-type magnetization behavior in FePt (001) particulate films. Journal of Applied Physics, 2006, 99, 033516.	2.5	28
86	Large amplitude microwave emission and reduced nonlinear phase noise in Co2Fe(Ge0.5Ga0.5) Heusler alloy based pseudo spin valve nanopillars. Applied Physics Letters, 2011, 99, .	3.3	28
87	Microstructure Control of L10-Ordered FePt Granular Film for Heat-Assisted Magnetic Recording (HAMR) Media. Jom, 2013, 65, 853-861.	1.9	28
88	Microstructure and Magnetic Properties of FePt-MO$_{m x}$ Granular Films. IEEE Transactions on Magnetics, 2013, 49, 3616-3619.	2.1	28
89	Impact of carbon segregant on microstructure and magnetic properties of FePt-C nanogranular films on MgO (001) substrate. Acta Materialia, 2019, 166, 413-423.	7.9	28
90	âŸ001âŸ© textured polycrystalline current-perpendicular-to-plane pseudo spin-valves using Co2Fe(Ga0.5Ge0.5) Heusler alloy. Applied Physics Letters, 2013, 103, 202401.	3.3	26

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91	Single-crystal diamond microelectromechanical resonator integrated with a magneto-strictive galfenol film for magnetic sensing. Carbon, 2019, 152, 788-795.	10.3	26
92	Low-temperature grown quaternary Heusler-compound Co₂Mn_{1â^'x}Fe_xSi films on Ge(111). Journal of Applied Physics, 2011, 109, 07B113.	2.5	25
93	Effect of Co substitution for Mn on spin polarization and magnetic properties of ferrimagnetic Mn2VAl. Journal of Alloys and Compounds, 2016, 662, 510-515.	5.5	25
94	Voltage-controlled magnetic skyrmions in magnetic tunnel junctions. Applied Physics Express, 2019, 12, 083001.	2.4	25
95	Large magnetoresistance in current-perpendicular-to-plane pseudo spin-valves using Co2Fe(Ga0.5Ge0.5) Heusler alloy and AgZn spacer. Applied Physics Letters, 2015, 107, .	3.3	24
96	Large enhancement of bulk spin polarization by suppressing CoMnanti-sites in Co2Mn(Ge0.75Ga0.25) Heusler alloy thin film. Applied Physics Letters, 2016, 108, 122404.	3.3	24
97	Magnetization reversal of FePt based exchange coupled composite media. Acta Materialia, 2016, 111, 47-55.	7.9	24
98	Large perpendicular magnetic anisotropy in epitaxial Fe/MgAl₂O₄(001) heterostructures. Applied Physics Express, 2018, 11, 063008.	2.4	24
99	Enhancing Delta E Effect at High Temperatures of Galfenol/Ti/Single-Crystal Diamond Resonators for Magnetic Sensing. ACS Applied Materials & Interfaces, 2020, 12, 23155-23164.	8.0	24
100	Current-perpendicular-to-plane spin valves with a Co2Mn(Ga0.5Sn0.5) Heusler alloy. Journal of Applied Physics, 2010, 108, 093916.	2.5	23
101	FePtAg-C Nanogranular Film as Thermally Assisted Magnetic Recording (TAR) Media. IEEE Transactions on Magnetics, 2011, 47, 4062-4065.	2.1	23
102	Magnetocrystalline anisotropy for Î±'-Fe-C and Î±'-Fe-N films. IEEE Transactions on Magnetics, 2001, 37, 2179-2181.	2.1	22
103	High spin polarization in a two phase quaternary Heusler alloy Co2MnAl1â^'XSnX. Journal of Applied Physics, 2007, 101, 09J508.	2.5	22
104	Consolidation of hydrogenationâ€“disproportionationâ€“desorptionâ€“recombination processed Ndâ€“Feâ€“B magnets by spark plasma sintering. Journal of Magnetism and Magnetic Materials, 2009, 321, 3681-3686.	2.3	22
105	Magnetic Switching in Granular FePt Layers Promoted by Near-Field Laser Enhancement. Nano Letters, 2017, 17, 2426-2432.	9.1	22
106	Magnetic anisotropy of L1-ordered FePt thin films studied by Fe and Pt L2,3-edges x-ray magnetic circular dichroism. Applied Physics Letters, 2017, 111, .	3.3	22
107	Increased magnetic damping in ultrathin films of Co2FeAl with perpendicular anisotropy. Applied Physics Letters, 2017, 110, .	3.3	20
108	Control of grain density in FePt-C granular thin films during initial growth. Journal of Magnetism and Magnetic Materials, 2020, 500, 166418.	2.3	20

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109	Electronic and magnetic properties of the topological semimetal candidate NdSbTe. Physical Review B, 2020, 101, .	3.2	20
110	Magnetic properties and microstructures of Feâ€“Pt thin films sputter deposited under partial nitrogen gas flow. Journal of Applied Physics, 2005, 98, 013902.	2.5	19
111	Spin polarization of Coâ€“Fe alloys estimated by point contact Andreev reflection and tunneling magnetoresistance. Journal of Applied Physics, 2009, 105, .	2.5	19
112	The influence of grain morphology and easy axis orientation on the coercivity of Sm(Co0.9Cu0.1)5 thin films. Acta Materialia, 2016, 107, 49-58.	7.9	19
113	Coupling of magneto-strictive FeGa film with single-crystal diamond MEMS resonator for high-reliability magnetic sensing at high temperatures. Materials Research Letters, 2020, 8, 180-186.	8.7	19
114	New soft magnetic material of Î±â€²-Feâ€“C with high Bs. Journal of Magnetism and Magnetic Materials, 2002, 239, 479-483.	2.3	18
115	The effect of iron addition on the spin polarization and magnetic properties of Co2CrGa Heusler alloy. Journal Physics D: Applied Physics, 2008, 41, 225002.	2.8	18
116	Investigation of the quaternary Fe2â^' xCoxMnSi (0 â‰¤xâ‰¤ 0.6) alloys by structural, magnetic, resistivity and spin polarization measurements. Journal Physics D: Applied Physics, 2015, 48, 125002.	2.8	18
117	Enhanced magnetic sensing performance of diamond MEMS magnetic sensor with boron-doped FeGa film. Carbon, 2020, 170, 294-301.	10.3	18
118	Intrinsic hard magnetic properties of Sm(Fe,Co)12â^'xTix compound with ThMn12 structure. Journal of Alloys and Compounds, 2021, 861, 158477.	5.5	18
119	Fabrication and characterization of highly textured Ndâ€“Feâ€“B thin film with a nanosized columnar grain structure. Journal of Applied Physics, 2010, 108, .	2.5	17
120	FePtAgâ€“C nanogranular films fabricated on a heat resistant glass substrate for perpendicular magnetic recording. Journal of Applied Physics, 2010, 108, 083907.	2.5	17
121	Effect of film morphology on the magnetic properties for Ndâ€“Feâ€“B thin films. Journal of Magnetism and Magnetic Materials, 2011, 323, 162-165.	2.3	17
122	Nanoconstricted structure for current-confined path in current-perpendicular-to-plane spin valves with high magnetoresistance. Journal of Applied Physics, 2005, 97, 10C509.	2.5	16
123	Microstructure and Magnetic Properties of FePtâ€“Cr₂O₃ Films. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	16
124	Synthesis of single-crystalline anisotropic gold nano-crystals via chemical vapor deposition. Journal of Applied Physics, 2016, 119, 174301.	2.5	16
125	Transmission electron microscopy image based micromagnetic simulations for optimizing nanostructure of FePt-X heat-assisted magnetic recording media. Acta Materialia, 2022, 227, 117744.	7.9	16
126	Thermal engineering of non-local resistance in lateral spin valves. Applied Physics Letters, 2014, 104, .	3.3	15

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127	Current-perpendicular-to-plane giant magnetoresistive properties in Co2Mn(Ge0.75Ga0.25)/Cu2TiAl/Co2Mn(Ge0.75Ga0.25) all-Heusler alloy pseudo spin valve. Journal of Applied Physics, 2016, 119, .	2.5	15
128	Near- T_c Ferromagnetic Resonance and Damping in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Fe</mml:mi><mml:mi>Pt</mml:mi></mml:math> -Based Heat-Assisted Magnetic Recording Media. Physical Review Applied, 2018, 10, .	3.8	15
129	Investigation of Gilbert damping of a tetragonally distorted ultrathin Fe0.5Co0.5 epitaxial film with high magnetic anisotropy. Applied Physics Letters, 2018, 113, .	3.3	15
130	Dependence of the Growth Mode in Epitaxial FePt Films on Surface Free Energy. ACS Applied Materials & Interfaces, 2021, 13, 16620-16627.	8.0	15
131	Coercivity engineering in Sm(Fe0.8Co0.2)12B0.5 thin films by Si grain boundary diffusion. Acta Materialia, 2022, 227, 117716.	7.9	15
132	Feâ€“Taâ€“C soft underlayer for double-layered perpendicular recording media. Journal of Applied Physics, 2009, 105, 07A304.	2.5	14
133	Effect of NiAl underlayer and spacer on magnetoresistance of current-perpendicular-to-plane spin valves using Co2Mn(Ga0.5Sn0.5) Heusler alloy. Journal of Magnetism and Magnetic Materials, 2012, 324, 440-444.	2.3	14
134	Optimum Compositions for the Low-Temperature Fabrication of Highly Ordered FePt. IEEE Transactions on Magnetics, 2004, 40, 2522-2524.	2.1	13
135	Effect of base pressure on the structure and magnetic properties of FePt thin films. Journal of Magnetism and Magnetic Materials, 2008, 320, 250-256.	2.3	13
136	Structural characterizations of Co2MnSi/MgO/Co2MnSi magnetic tunnel junctions by transmission electron microscopy. Journal of Magnetism and Magnetic Materials, 2010, 322, 357-361.	2.3	13
137	Structure and magnetoresistive properties of current-perpendicular-to-plane pseudo-spin valves using polycrystalline Co2Fe-based Heusler alloy films. Acta Materialia, 2013, 61, 3695-3702.	7.9	13
138	Magnetic in-plane components of FePt nanogranular film on polycrystalline MgO underlayer for heat-assisted magnetic recording media. Acta Materialia, 2019, 177, 1-8.	7.9	13
139	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
140	The enhancement of the spin polarization of Co2MnSn by Fe doping. Journal of Applied Physics, 2008, 103, 103904.	2.5	12
141	Enhancement of current-perpendicular-to-plane giant magnetoresistance by insertion of Co50Fe50 layers at the Co2Mn(Ga0.5Sn0.5)/Ag interface. Journal of Applied Physics, 2011, 109, .	2.5	12
142	Temperature dependence of magnetoresistive output of pseudo spin valves with Co2Fe(Al1â^'xSix) Heusler alloys and a Ag spacer. Journal of Applied Physics, 2013, 114, .	2.5	12
143	Microstructure and magnetic properties of FePtâ€“TiCâ€“C granular thin films for perpendicular recording. Solid State Communications, 2014, 182, 17-21.	1.9	12
144	Impact of B-doping on topological Hall resistivity in (111)- and (110)-oriented Mn4N single layers with the non-collinear spin structure. Journal of Applied Physics, 2022, 131, .	2.5	12

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145	Fabrication of L10 ordered FePt thin films with a canted easy magnetization axis on MgO (1 1 0) substrate. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E557-E559.	2.3	11
146	Microwave assisted resonant domain wall nucleation in permalloy nanowires. Applied Physics Letters, 2012, 101, 172406.	3.3	11
147	Influence of MgO underlayers on the structure and magnetic properties of FePt-C nanogranular films for heat-assisted magnetic recording media. AIP Advances, 2016, 6, .	1.3	11
148	Impact of Intergrain Spin-Transfer Torques Due to Huge Thermal Gradients in Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2018, 54, 1-11.	2.1	11
149	The effect of substitution of Fe with Cr on the giant magnetoresistance of current-perpendicular-to-plane spin valves with Co2FeSi Heusler alloy. Journal of Applied Physics, 2011, 109, 043901-043901-6.	2.5	10
150	Magnetic tunnel junctions with a rock-salt-type Mg1â^'xTixO barrier for low resistance area product. Applied Physics Letters, 2016, 108, .	3.3	10
151	Temperature dependence of magneto-transport properties in Co2Fe(Ga0.5Ge0.5)/Cu lateral spin valves. Applied Physics Letters, 2016, 108, .	3.3	10
152	Time domain magnetization dynamics study to estimate interlayer exchange coupling constant in Nd-Fe-B/Ni80Fe20 films. Journal of Magnetism and Magnetic Materials, 2018, 468, 273-278.	2.3	10
153	Spin-Resolved Contribution to Perpendicular Magnetic Anisotropy and Gilbert Damping in Interface-Engineered Fe/MgAl2O4 Heterostructures. Physical Review Applied, 2020, 14, .	3.8	10
154	Nonlocal accumulation, chemical potential, and Hall effect of skyrmions in Pt/Co/Ir heterostructure. Scientific Reports, 2020, 10, 1009.	3.3	10
155	Efficient current-driven magnetization switching owing to isotropic magnetism in a highly symmetric 111-oriented Mn4N epitaxial single layer. AIP Advances, 2021, 11, .	1.3	10
156	Nonequilibrium subâ€“10 nm spin-wave soliton formation in FePt nanoparticles. Science Advances, 2022, 8, eabn0523.	10.3	10
157	Peculiar behavior of V on the Curie temperature and anisotropy field of SmFe12-xVx compounds. Acta Materialia, 2022, 232, 117928.	7.9	10
158	Self-alignment of Fe nanoparticles on a tunnel barrier. Applied Physics Letters, 2005, 87, 033115.	3.3	9
159	Suppression of magnon excitations in Co2MnSi Heusler alloy by Nd doping. Journal of Applied Physics, 2009, 105, .	2.5	9
160	Crystal orientation dependence of current-perpendicular-to-plane giant magnetoresistance of pseudo spin-valves with epitaxial Co2Fe(Ge0.5Ga0.5) Heusler alloy layers. Journal of Applied Physics, 2014, 115, .	2.5	9
161	Structure Optimization of FePtâ€“C Nanogranular Films for Heat-Assisted Magnetic Recording Media. IEEE Transactions on Magnetics, 2016, 52, 1-8.	2.1	9
162	Laser-induced terahertz emission in Co₂MnSi/Pt structure. Applied Physics Express, 2020, 13, 093003.	2.4	9

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163	Transmission electron microscopy of Co2(Cr1âˆ’xFex)Al sputtered films and their magnetic tunneling junctions. Journal of Magnetism and Magnetic Materials, 2007, 313, 378-382.	2.3	8
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