

Yukiko K Takahashi

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Recent Advances in SmFe ₁₂ -based Permanent Magnets. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2022, 69, S74-S83.	0.2	0
2	Nanoscale-Thick Ni-Based Half-Heusler Alloys with Structural Ordering-Dependent Ultralow Magnetic Damping: Implications for Spintronic Applications. ACS Applied Nano Materials, 2022, 5, 569-577.	5.0	6
3	Coercivity engineering in Sm(Fe _{0.8} Co _{0.2}) ₁₂ B _{0.5} thin films by Si grain boundary diffusion. Acta Materialia, 2022, 227, 117716.	7.9	15
4	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
5	Impact of B-doping on topological Hall resistivity in (111)- and (110)-oriented Mn ₄ N single layers with the non-collinear spin structure. Journal of Applied Physics, 2022, 131, .	2.5	12
6	Nonequilibrium sub-10 nm spin-wave soliton formation in FePt nanoparticles. Science Advances, 2022, 8, eabn0523.	10.3	10
7	Peculiar behavior of V on the Curie temperature and anisotropy field of SmFe ₁₂ -xV _x compounds. Acta Materialia, 2022, 232, 117928.	7.9	10
8	Temperature dependence of site-resolved Fe magnetic moments in ThMn ₁₂ -type Sm(Fe _{1-x} Co _x) ₁₂ compounds studied via synchrotron Mössbauer spectroscopy. Journal of Magnetism and Magnetic Materials, 2022, 552, 169188.	2.3	3
9	Magnetization Precession at Sub-Terahertz Frequencies in Polycrystalline Cu ₂ -Sb-type (Mn-Cr)AlGe Ultrathin Films. Small, 2022, , 2200378.	10.0	4
10	Wide modulation of coercive fields in Mn ₄ N ferrimagnetic thin films caused dominantly by dislocation microstructures. Journal of Magnetism and Magnetic Materials, 2022, 560, 169642.	2.3	7
11	Microstructure control for magnetic thin films with high functionality. Journal of the Magnetism Society of Japan, 2022, 46, 76-84.	0.9	0
12	Dependence of the Growth Mode in Epitaxial FePt Films on Surface Free Energy. ACS Applied Materials & Interfaces, 2021, 13, 16620-16627.	8.0	15
13	Intrinsic hard magnetic properties of Sm(Fe,Co) _{12-x} Ti _x compound with ThMn ₁₂ structure. Journal of Alloys and Compounds, 2021, 861, 158477.	5.5	18
14	Magneto-optical design of anomalous Nernst thermopile. Scientific Reports, 2021, 11, 11228.	3.3	6
15	Origin of magnetic anisotropy, role of induced magnetic moment, and all-optical magnetization switching for Co _{100-x} Gd _x /Pt multilayers. APL Materials, 2021, 9, .	5.1	5
16	Recent advances in SmFe ₁₂ -based permanent magnets. Science and Technology of Advanced Materials, 2021, 22, 449-460.	6.1	30
17	Epitaxy Induced Highly Ordered Sm ₂ Co ₁₇ -SmCo ₅ Nanoscale Thin-Film Magnets. ACS Applied Materials & Interfaces, 2021, 13, 32415-32423.	8.0	6
18	Negative correlation between the linear and the nonlinear conductance in magnetic tunnel junctions. Physical Review B, 2021, 103, .	3.2	4

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19	Efficient current-driven magnetization switching owing to isotropic magnetism in a highly symmetric 111-oriented Mn ₄ N epitaxial single layer. <i>AIP Advances</i> , 2021, 11, .	1.3	10
20	Magnetic anisotropy constants of ThMn ₁₂ -type Sm(Fe _{1-x} Co _x) ₁₂ compounds and their temperature dependence. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 497, 165965.	2.3	34
21	Control of grain density in FePt-C granular thin films during initial growth. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 500, 166418.	2.3	20
22	Magneto-optical painting of heat current. <i>Nature Communications</i> , 2020, 11, 2.	12.8	49
23	Enhanced magnetic sensing performance of diamond MEMS magnetic sensor with boron-doped FeGa film. <i>Carbon</i> , 2020, 170, 294-301.	10.3	18
24	Direct detection and stochastic analysis on thermally activated domain-wall depinning events in micropatterned Nd-Fe-B hot-deformed magnets. <i>Acta Materialia</i> , 2020, 201, 7-13.	7.9	13
25	Multiple modes of a single spin torque oscillator under the non-linear region. <i>AIP Advances</i> , 2020, 10, .	1.3	0
26	Regulation of oxygen reduction reaction by the magnetic effect of L10-PtFe alloy. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119332.	20.2	34
27	Generation of multipeak spectrum of spin torque oscillator in non-linear regime. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	2
28	Spin injection efficiency through the pumping in epitaxial Co ₂ MnSi/Pt thin film. <i>AIP Advances</i> , 2020, 10, 085311.	1.3	8
29	Spin-Resolved Contribution to Perpendicular Magnetic Anisotropy and Gilbert Damping in Interface-Engineered Fe/MgAl ₂ O ₄ Heterostructures. <i>Physical Review Applied</i> , 2020, 14, .	3.8	10
30	Achievement of high coercivity in Sm(Fe _{0.8} Co _{0.2}) ₁₂ anisotropic magnetic thin film by boron doping. <i>Acta Materialia</i> , 2020, 194, 337-342.	7.9	57
31	Electronic and magnetic properties of the topological semimetal candidate NdSbTe. <i>Physical Review B</i> , 2020, 101, .	3.2	20
32	Nonlocal accumulation, chemical potential, and Hall effect of skyrmions in Pt/Co/Ir heterostructure. <i>Scientific Reports</i> , 2020, 10, 1009.	3.3	10
33	Enhancing Delta E ₁ Effect at High Temperatures of Galfenol/Ti/Single-Crystal Diamond Resonators for Magnetic Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23155-23164.	8.0	24
34	Coupling of magneto-strictive FeGa film with single-crystal diamond MEMS resonator for high-reliability magnetic sensing at high temperatures. <i>Materials Research Letters</i> , 2020, 8, 180-186.	8.7	19
35	Interlayer exchange coupling modulated all-optical magnetic switching in synthetic ferrimagnetic heterostructures. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 475002.	2.8	4
36	Laser-induced terahertz emission in Co ₂ MnSi/Pt structure. <i>Applied Physics Express</i> , 2020, 13, 093003.	2.4	9

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37	Tunable electron transport with intergranular separation in FePt-C nanogranular films. <i>Materials Research Express</i> , 2020, 7, 046405.	1.6	0
38	The effect of Zr substitution on saturation magnetization in $(\text{Sm}_{1-x}\text{Zr}_x)(\text{Fe}_{0.8}\text{Co}_{0.2})_{12}$ compound with the ThMn ₁₂ structure. <i>Acta Materialia</i> , 2019, 178, 114-121.	7.9	40
39	Magnetic in-plane components of FePt nanogranular film on polycrystalline MgO underlayer for heat-assisted magnetic recording media. <i>Acta Materialia</i> , 2019, 177, 1-8.	7.9	13
40	Voltage-controlled magnetic skyrmions in magnetic tunnel junctions. <i>Applied Physics Express</i> , 2019, 12, 083001.	2.4	25
41	Nonequilibrium skyrmion accumulation induced by direct current in Ir/Co/Pt heterostructure. <i>Applied Physics Express</i> , 2019, 12, 073002.	2.4	8
42	Observation of the magnetization metastable state in a perpendicularly magnetized nanopillar with asymmetric potential landscape. <i>Applied Physics Letters</i> , 2019, 115, 092407.	3.3	0
43	Single-crystal diamond microelectromechanical resonator integrated with a magneto-strictive galfenol film for magnetic sensing. <i>Carbon</i> , 2019, 152, 788-795.	10.3	26
44	High melting point metal (Pt, W) seed layer for grain size refinement of FePt-based heat-assisted magnetic recording media. <i>Applied Physics Express</i> , 2019, 12, 023007.	2.4	2
45	Emergence of coercivity in $\text{Sm}(\text{Fe}_{0.8}\text{Co}_{0.2})_{12}$ thin films via eutectic alloy grain boundary infiltration. <i>Scripta Materialia</i> , 2019, 164, 140-144.	5.2	43
46	Impact of carbon segregant on microstructure and magnetic properties of FePt-C nanogranular films on MgO (001) substrate. <i>Acta Materialia</i> , 2019, 166, 413-423.	7.9	28
47	Impact of oxygen interdiffusion on spin-to-charge conversion at nonmagnetic metal/Bi oxide interfaces. <i>Physical Review Materials</i> , 2019, 3, .	2.4	2
48	Heat-assisted magnetic recording media materials. <i>MRS Bulletin</i> , 2018, 43, 93-99.	3.5	32
49	Beyond a phenomenological description of magnetostriction. <i>Nature Communications</i> , 2018, 9, 388.	12.8	48
50	Intrinsic magnetic properties of $\text{Sm}(\text{Fe}_{1-x}\text{Co}_x)_{11}\text{Ti}$ and Zr-substituted $\text{Sm}_{1-y}\text{Zr}_y(\text{Fe}_{0.8}\text{Co}_{0.2})_{11.5}\text{Ti}_{0.5}$ compounds with ThMn ₁₂ structure toward the development of permanent magnets. <i>Acta Materialia</i> , 2018, 153, 354-363.	7.9	92
51	Microstructure and magnetic properties of anisotropic polycrystalline $\text{Sm}(\text{Fe}_{0.8}\text{Co}_{0.2})_{12}$ thin films with ThMn ₁₂ structure.. , 2018, , .		0
52	Near- T_c Ferromagnetic Resonance and Damping in FePt -Based Heat-Assisted Magnetic Recording Media. <i>Physical Review Applied</i> , 2018, 10, .	3.8	15
53	Impact of intergrain spin transfer torques due to huge thermal gradients on the performance of heat assisted magnetic recording. , 2018, , .		1
54	Investigation of Gilbert damping of a tetragonally distorted ultrathin $\text{Fe}_{0.5}\text{Co}_{0.5}$ epitaxial film with high magnetic anisotropy. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	15

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55	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
56	Analysis of magnetotransport properties and microstructure in current-perpendicular-to-plane pseudo spin-valves using Co ₂ Fe(Ga _{0.5} Ge _{0.5}) Heusler alloy and Ag/Mg-Ti-O/Ag-based spacer. Journal of Applied Physics, 2018, 123, 233903.	2.5	1
57	Time domain magnetization dynamics study to estimate interlayer exchange coupling constant in Nd-Fe-B/Ni ₈₀ Fe ₂₀ films. Journal of Magnetism and Magnetic Materials, 2018, 468, 273-278.	2.3	10
58	Large perpendicular magnetic anisotropy in epitaxial Fe/MgAl ₂ O ₄ (001) heterostructures. Applied Physics Express, 2018, 11, 063008.	2.4	24
59	Micromagnetic Studies of Laser-Induced Magnetization Dynamics in FePt/C Films. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	2
60	Improved (0 0 1)-texture of FePt-C for heat-assisted magnetic recording media by insertion of Cr buffer layer. Journal of Magnetism and Magnetic Materials, 2017, 432, 129-134.	2.3	8
61	High output voltage of magnetic tunnel junctions with a Cu(In _{0.8} Ga _{0.2})Se ₂ semiconducting barrier with a low resistance-area product. Applied Physics Express, 2017, 10, 013008.	2.4	8
62	Magnetic Switching in Granular FePt Layers Promoted by Near-Field Laser Enhancement. Nano Letters, 2017, 17, 2426-2432.	9.1	22
63	Magnetic anisotropy of L1-ordered FePt thin films studied by Fe and Pt L _{2,3} -edges x-ray magnetic circular dichroism. Applied Physics Letters, 2017, 111, .	3.3	22
64	Increased magnetic damping in ultrathin films of Co ₂ FeAl with perpendicular anisotropy. Applied Physics Letters, 2017, 110, .	3.3	20
65	Micromagnetic Studies at Finite Temperature on FePt/C Granular Films. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	8
66	Intrinsic hard magnetic properties of Sm(Fe _{1-x} Co _x) ₁₂ compound with the ThMn ₁₂ structure. Scripta Materialia, 2017, 138, 62-65.	5.2	157
67	Origin of in-plane component for L1 ₀ -FePt granular films deposited on MgO single crystal substrate. , 2017, , .		0
68	Micromagnetic studies at finite temperature on FePt-C granular films. , 2017, , .		0
69	Magnetic tunnel junctions with a rock-salt-type Mg _{1-x} Ti _x O barrier for low resistance area product. Applied Physics Letters, 2016, 108, .	3.3	10
70	Current-perpendicular-to-plane giant magnetoresistive properties in Co ₂ Mn(Ge _{0.75} Ga _{0.25})/Cu ₂ TiAl/Co ₂ Mn(Ge _{0.75} Ga _{0.25}) all-Heusler alloy pseudo spin valve. Journal of Applied Physics, 2016, 119, .	2.5	15
71	Large enhancement of bulk spin polarization by suppressing CoMn-anti-sites in Co ₂ Mn(Ge _{0.75} Ga _{0.25}) Heusler alloy thin film. Applied Physics Letters, 2016, 108, 122404.	3.3	24
72	Large magnetoresistance in Heusler-alloy-based epitaxial magnetic junctions with semiconducting Cu(In _{0.8} Ga _{0.2})Se ₂ spacer. Applied Physics Letters, 2016, 109, .	3.3	29

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73	Synthesis of single-crystalline anisotropic gold nano-crystals via chemical vapor deposition. Journal of Applied Physics, 2016, 119, 174301.	2.5	16
74	Temperature dependence of magneto-transport properties in Co ₂ Fe(Ga _{0.5} Ge _{0.5})/Cu lateral spin valves. Applied Physics Letters, 2016, 108, .	3.3	10
75	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
76	L10 FePt Granular Films for Heat-Assisted Magnetic Recording Media. , 2016, , 245-277.		8
77	Accumulative Magnetic Switching of Ultrahigh-Density Recording Media by Circularly Polarized Light. Physical Review Applied, 2016, 6, .	3.8	61
78	Effect of Co substitution for Mn on spin polarization and magnetic properties of ferrimagnetic Mn ₂ VAl. Journal of Alloys and Compounds, 2016, 662, 510-515.	5.5	25
79	Growth Mechanism of Columnar Grains in FePt-C Granular Films for HAMR Media Processed by Compositionally Graded Sputtering. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	4
80	Magnetization reversal of FePt based exchange coupled composite media. Acta Materialia, 2016, 111, 47-55.	7.9	24
81	The influence of grain morphology and easy axis orientation on the coercivity of Sm(Co _{0.9} Cu _{0.1}) ₅ thin films. Acta Materialia, 2016, 107, 49-58.	7.9	19
82	Structure Optimization of FePt-C Nanogranular Films for Heat-Assisted Magnetic Recording Media. IEEE Transactions on Magnetics, 2016, 52, 1-8.	2.1	9
83	Spin Polarization in Heusler Alloy Films. Springer Series in Materials Science, 2016, , 295-318.	0.6	2
84	Enhancement of current-perpendicular-to-plane giant magnetoresistance in Heusler-alloy based pseudo spin valves by using a CuZn spacer layer. Journal of Applied Physics, 2015, 118, .	2.5	6
85	Large magnetoresistance in current-perpendicular-to-plane pseudo spin-valves using Co ₂ Fe(Ga _{0.5} Ge _{0.5}) Heusler alloy and AgZn spacer. Applied Physics Letters, 2015, 107, .	3.3	24
86	Ultrafast Lattice Dynamics of Granular L10 Phase FePt Measured by MeV Electron Diffraction. Microscopy and Microanalysis, 2015, 21, 655-656.	0.4	1
87	Investigation of the quaternary Fe ₂ xCo _x MnSi (0 ≤ x ≤ 0.6) alloys by structural, magnetic, resistivity and spin polarization measurements. Journal Physics D: Applied Physics, 2015, 48, 125002.	2.8	18
88	Spin gapless semiconducting behavior in equiatomic quaternary CoFeMnSi Heusler alloy. Physical Review B, 2015, 91, .	3.2	212
89	Polycrystalline CPP-GMR Pseudospin Valves Using $\langle 111 \rangle$ Textured Co ₂ Fe(Ga _{0.5} Ge _{0.5}) Layer Grown on a Conductive (Mg _{0.5} Ti _{0.5})O Buffer Layer. IEEE Transactions on Magnetics. 2015, 51, 1-4.	2.1	3
90	Columnar Structure in FePt-C Granular Media for Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	34

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91	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
92	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
93	Crystal orientation dependence of band matching in all-B2-trilayer current-perpendicular-to-plane giant magnetoresistance pseudo spin-valves using Co ₂ Fe(Ge _{0.5} Ga _{0.5}) Heusler alloy and NiAl spacer. Journal of Applied Physics, 2015, 117, .	2.5	8
94	All-optical control of ferromagnetic thin films and nanostructures: Competition between polarized light and applied magnetic field. , 2015, , .		0
95	Polycrystalline CPP-GMR devices using <001> textured Co²/Fe(Ga^{0.5}Ge^{0.5}) Heusler alloy layer and conductive Mg^{0.5}Ti^{0.5}O^x buffer layer. , 2015, , .		0
96	Hard magnetic properties of spacer-layer-tuned NdFeB/Ta/Fe nanocomposite films. Acta Materialia, 2015, 84, 405-412.	7.9	35
97	NdFe ₁₂ N hard-magnetic compound with high magnetization and anisotropy field. Scripta Materialia, 2015, 95, 70-72.	5.2	113
98	High spin polarization in CoFeMnGe equiatomic quaternary Heusler alloy. Journal of Applied Physics, 2014, 116, .	2.5	115
99	Thermal engineering of non-local resistance in lateral spin valves. Applied Physics Letters, 2014, 104, .	3.3	15
100	Quantitative analysis of anisotropic magnetoresistance in Co ₂ MnZ and Co ₂ FeZ epitaxial thin films: A facile way to investigate spin-polarization in half-metallic Heusler compounds. Applied Physics Letters, 2014, 104, .	3.3	76
101	Magneto-transport and microstructure of Co ₂ Fe(Ga _{0.5} Ge _{0.5})/Cu lateral spin valves prepared by top-down microfabrication process. Journal of Applied Physics, 2014, 115, .	2.5	39
102	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
103	Microstructure and Magnetic Properties of FePtâ€“Cr₂O₃ Films. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	16
104	Crystal orientation dependence of current-perpendicular-to-plane giant magnetoresistance of pseudo spin-valves with epitaxial Co ₂ Fe(Ge _{0.5} Ga _{0.5}) Heusler alloy layers. Journal of Applied Physics, 2014, 115, .	2.5	9
105	All-optical control of ferromagnetic thin films and nanostructures. Science, 2014, 345, 1337-1340.	12.6	524
106	Microstructure and magnetic properties of FePtâ€“TiCâ€“C granular thin films for perpendicular recording. Solid State Communications, 2014, 182, 17-21.	1.9	12
107	Polycrystalline current-perpendicular-to-plane giant magnetoresistance pseudo spin-valves using Co ₂ Mn(Ga _{0.25} Ge _{0.75}) Heusler alloy. Journal of Applied Physics, 2013, 114, .	2.5	6
108	Microstructure Control of L10-Ordered FePt Granular Film for Heat-Assisted Magnetic Recording (HAMR) Media. Jom, 2013, 65, 853-861.	1.9	28

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109	Temperature dependence of magnetoresistive output of pseudo spin valves with $\text{Co}_2\text{Fe}(\text{Al}_{1-x}\text{Si}_x)$ Heusler alloys and a Ag spacer. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	12
110	Microstructure and Magnetic Properties of FePt-MO_x Granular Films. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 3616-3619.	2.1	28
111	Current-perpendicular-to-plane giant magnetoresistance using $\text{Co}_2\text{Fe}(\text{Ga}_{1-x}\text{Ge}_x)$ Heusler alloy. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	42
112	L1 ₀ -Ordered FePt-Based Perpendicular Magnetic Recording Media for Heat-Assisted Magnetic Recording. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 718-722.	2.1	58
113	Structure and magnetoresistive properties of current-perpendicular-to-plane pseudo-spin valves using polycrystalline Co_2Fe -based Heusler alloy films. <i>Acta Materialia</i> , 2013, 61, 3695-3702.	7.9	13
114	Evaluation of slim-edge, multi-guard, and punch-through-protection structures before and after proton irradiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 699, 36-40.	1.6	8
115	Current-Perpendicular-to-Plane Giant Magnetoresistance in Pseudo Spin Valves With $\text{Co}_2\text{Fe}(\text{Ge}_{0.5}\text{Ga}_{0.5})$ Heusler Alloy Ferromagnetic Layers and Cu/Ag Spacer. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 4413-4416.	2.1	5
116	Enhancement of giant magnetoresistance by L21 ordering in $\text{Co}_2\text{Fe}(\text{Ge}_{0.5}\text{Ga}_{0.5})$ Heusler alloy current-perpendicular-to-plane pseudo spin valves. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	78
117	Structure and magnetoresistance of current-perpendicular-to-plane pseudo spin valves using $\text{Co}_2\text{Mn}(\text{Ga}_{0.25}\text{Ge}_{0.75})$ Heusler alloy. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	38
118	Electrically conductive $(\text{Mg}_{0.2}\text{Ti}_{0.8})\text{O}$ underlayer to grow FePt-based perpendicular recording media on glass substrates. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	29
119	$\text{Co}_2\text{Fe}(\text{Ga}_{0.5}\text{Ge}_{0.5})$ textured polycrystalline current-perpendicular-to-plane pseudo spin-valves using $\text{Co}_2\text{Fe}(\text{Ga}_{0.5}\text{Ge}_{0.5})$ Heusler alloy. <i>Applied Physics Letters</i> , 2013, 103, 202401.	3.3	26
120	Study on CPP-GMR with Heusler Alloys for Magnetic Read Sensors of Hard Disk Drives. <i>Materia Japan</i> , 2013, 52, 99-107.	0.1	0
121	Spin Polarization of Alternate Monatomic Epitaxial $[\text{Fe}/\text{Co}]_n$ Superlattice. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 093006.	1.5	0
122	Microwave assisted resonant domain wall nucleation in permalloy nanowires. <i>Applied Physics Letters</i> , 2012, 101, 172406.	3.3	11
123	Transmission electron microscopy study on the effect of various capping layers on $\text{CoFeB}/\text{MgO}/\text{CoFeB}$ pseudo spin valves annealed at different temperatures. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	50
124	All-metallic lateral spin valves using $\text{Co}_2\text{Fe}(\text{Ge}_{0.5}\text{Ga}_{0.5})$ Heusler alloy with a large spin signal. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	75
125	Time-Domain Observation of the Spinmotive Force in Permalloy Nanowires. <i>Physical Review Letters</i> , 2012, 108, 147202.	7.8	43
126	$\text{Nd}_{20}\text{Fe}_{14}\text{B}/\text{FeCo}$ Anisotropic Nanocomposite Films with a Large Maximum Energy Product. <i>Advanced Materials</i> , 2012, 24, 6530-6535.	21.0	150

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127	Spin polarization and Gilbert damping of $\text{Co}_2\text{Fe}(\text{Ga}_x\text{Ge}_{1-x})$ Heusler alloys. <i>Acta Materialia</i> , 2012, 60, 6257-6265.	7.9	108
128	Magnetic properties and spin polarization of $\text{Co}_2\text{Mn}(\text{SixSn}_{1-x})$ alloys containing two L21 phases. <i>Journal of Alloys and Compounds</i> , 2012, 514, 195-198.	5.5	6
129	Co-Based Heusler Alloys for CPP-GMR Spin-Valves With Large Magnetoresistive Outputs. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 1751-1757.	2.1	44
130	Effect of NiAl underlayer and spacer on magnetoresistance of current-perpendicular-to-plane spin valves using $\text{Co}_2\text{Mn}(\text{Ga}_{0.5}\text{Sn}_{0.5})$ Heusler alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 440-444.	2.3	14
131	Spin Polarization of Alternate Monatomic Epitaxial $[\text{Fe}/\text{Co}]_n$ Superlattice. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 093006.	1.5	0
132	Large magnetoresistance in current-perpendicular-to-plane pseudospin valve using a $\text{Co}_2\text{Fe}(\text{Ge}_{0.5}\text{Ga}_{0.5})$ Heusler alloy. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	99
133	Microstructure Analysis of Spintronics Devices by a Transmission Electron Microscope. <i>Hyomen Kagaku</i> , 2011, 32, 139-144.	0.0	0
134	Bi-quadratic interlayer exchange coupling in $\text{Co}_2\text{MnSi}/\text{Ag}/\text{Co}_2\text{MnSi}$ pseudo spin-valve. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	8
135	Spin polarization measurements of $\text{Co}_2\text{Mn}(\text{Ga}_{0.5}\text{Sn}_{0.5})$ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 3092-3097.	2.3	0
136	FePtAg-C Nanogranular Film as Thermally Assisted Magnetic Recording (TAR) Media. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 4062-4065.	2.1	23
137	Microstructure optimization to achieve high coercivity in anisotropic NdFeB thin films. <i>Acta Materialia</i> , 2011, 59, 7768-7775.	7.9	95
138	Effect of film morphology on the magnetic properties for NdFeB thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 162-165.	2.3	17
139	Large amplitude microwave emission and reduced nonlinear phase noise in $\text{Co}_2\text{Fe}(\text{Ge}_{0.5}\text{Ga}_{0.5})$ Heusler alloy based pseudo spin valve nanopillars. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	28
140	L1-ordered FePtAg-C granular thin film for thermally assisted magnetic recording media (invited). <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	54
141	Enhancement of current-perpendicular-to-plane giant magnetoresistance by insertion of $\text{Co}_{50}\text{Fe}_{50}$ layers at the $\text{Co}_2\text{Mn}(\text{Ga}_{0.5}\text{Sn}_{0.5})/\text{Ag}$ interface. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	12
142	Low-temperature grown quaternary Heusler-compound $\text{Co}_2\text{Mn}_2\text{FeSi}$ films on Ge(111). <i>Journal of Applied Physics</i> , 2011, 109, 07B113.	2.5	25
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