Yukiko K Takahashi

List of Publications by Year in Descending Order

215 papers	6,951 citations	45 h-index	75 g-index
238 ext. papers	7,683 ext. citations	4 avg, IF	5.92 L-index

#	Paper	IF	Citations
215	Recent Advances in SmFe12-based Permanent Magnets. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2022**, 69, S74-S83	0.2	
214	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	5.6	1
213	Coercivity engineering in Sm(Fe0.8Co0.2)12B0.5 thin films by Si grain boundary diffusion. *Acta Materialia*, **2022**, 117716	8.4	1
212	Transmission electron microscopy image based micromagnetic simulations for optimizing nanostructure of FePt-X heat-assisted magnetic recording media. *Acta Materialia*, **2022**, 227, 117744	8.4	2
211	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, 073904	2.5	1
210	Nonequilibrium sub-10 nm spin-wave soliton formation in FePt nanoparticles.. *Science Advances*, **2022**, 8, eabn0523	14.3	3
209	Peculiar behavior of V on the Curie temperature and anisotropy field of SmFe12-xVx compounds. *Acta Materialia*, **2022**, 117928	8.4	0
208	Temperature dependence of site-resolved Fe magnetic moments in ThMn12-type Sm(Fe1□o)12 compounds studied via synchrotron M□sbauer spectroscopy. *Journal of Magnetism and Magnetic Materials*, **2022**, 552, 169188	2.8	0
207	Magnetization Precession at Sub-Terahertz Frequencies in Polycrystalline Cu Sb-Type (Mn-Cr)AlGe Ultrathin Films.. *Small*, **2022**, e2200378	11	2
206	Efficient current-driven magnetization switching owing to isotropic magnetism in a highly symmetric 111-oriented Mn4N epitaxial single layer. *AIP Advances*, **2021**, 11, 105314	1.5	4
205	Dependence of the Growth Mode in Epitaxial FePt Films on Surface Free Energy. *ACS Applied Materials & Interfaces*, **2021**, 13, 16620-16627	9.5	5
204	Intrinsic hard magnetic properties of Sm(Fe,Co)12□Tix compound with ThMn12 structure. *Journal of Alloys and Compounds*, **2021**, 861, 158477	5.7	5
203	Magneto-optical design of anomalous Nernst thermopile. *Scientific Reports*, **2021**, 11, 11228	4.9	2
202	Origin of magnetic anisotropy, role of induced magnetic moment, and all-optical magnetization switching for Co100□Gdx/Pt multilayers. *APL Materials*, **2021**, 9, 061110	5.7	2
201	Recent advances in SmFe-based permanent magnets. *Science and Technology of Advanced Materials*, **2021**, 22, 449-460	7.1	12
200	Epitaxy Induced Highly Ordered SmCo-SmCo Nanoscale Thin-Film Magnets. *ACS Applied Materials & Interfaces*, **2021**, 13, 32415-32423	9.5	0
199	Spin-Resolved Contribution to Perpendicular Magnetic Anisotropy and Gilbert Damping in Interface-Engineered Fe/MgAl2O4 Heterostructures. *Physical Review Applied*, **2020**, 14,	4.3	4

198	Achievement of high coercivity in Sm(Fe0.8Co0.2)12 anisotropic magnetic thin film by boron doping. *Acta Materialia*, **2020**, 194, 337-342	8.4	31
197	Electronic and magnetic properties of the topological semimetal candidate NdSbTe. *Physical Review B*, **2020**, 101,	3.3	6
196	Nonlocal accumulation, chemical potential, and Hall effect of skyrmions in Pt/Co/Ir heterostructure. *Scientific Reports*, **2020**, 10, 1009	4.9	7
195	Enhancing Delta Effect at High Temperatures of Galfenol/Ti/Single-Crystal Diamond Resonators for Magnetic Sensing. *ACS Applied Materials & Interfaces*, **2020**, 12, 23155-23164	9.5	9
194	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	7.4	9
193	Tunable electron transport with intergranular separation in FePt-C nanogranular films. *Materials Research Express*, **2020**, 7, 046405	1.7	
192	Laser-induced terahertz emission in Co2MnSi/Pt structure. *Applied Physics Express*, **2020**, 13, 093003	2.4	3
191	Interlayer exchange coupling modulated all-optical magnetic switching in synthetic ferrimagnetic heterostructures. *Journal Physics D: Applied Physics*, **2020**, 53, 475002	3	2
190	Control of grain density in FePt-C granular thin films during initial growth. *Journal of Magnetism and Magnetic Materials*, **2020**, 500, 166418	2.8	12
189	Magneto-optical painting of heat current. *Nature Communications*, **2020**, 11, 2	17.4	23
188	Enhanced magnetic sensing performance of diamond MEMS magnetic sensor with boron-doped FeGa film. *Carbon*, **2020**, 170, 294-301	10.4	7
187	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	8.4	6
186	Multiple modes of a single spin torque oscillator under the non-linear region. *AIP Advances*, **2020**, 10, 075115	1.5	
185	Regulation of oxygen reduction reaction by the magnetic effect of L10-PtFe alloy. *Applied Catalysis B: Environmental*, **2020**, 278, 119332	21.8	16
184	Generation of multipeak spectrum of spin torque oscillator in non-linear regime. *Applied Physics Letters*, **2020**, 117, 022406	3.4	1
183	Spin injection efficiency through the pumping in epitaxial Co2MnSi/Pt thin film. *AIP Advances*, **2020**, 10, 085311	1.5	4
182	Magnetic anisotropy constants of ThMn12-type Sm(Fe1−xCox)12 compounds and their temperature dependence. *Journal of Magnetism and Magnetic Materials*, **2020**, 497, 165965	2.8	28
181	Single-crystal diamond microelectromechanical resonator integrated with a magneto-strictive galfenol film for magnetic sensing. *Carbon*, **2019**, 152, 788-795	10.4	15

180	High melting point metal (Pt, W) seed layer for grain size refinement of FePt-based heat-assisted magnetic recording media. *Applied Physics Express*, **2019**, 12, 023007	2.4	1
179	Emergence of coercivity in Sm(Fe0.8Co0.2)12 thin films via eutectic alloy grain boundary infiltration. *Scripta Materialia*, **2019**, 164, 140-144	5.6	24
178	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	8.4	23
177	Magnetic in-plane components of FePt nanogranular film on polycrystalline MgO underlayer for heat-assisted magnetic recording media. *Acta Materialia*, **2019**, 177, 1-8	8.4	6
176	Voltage-controlled magnetic skyrmions in magnetic tunnel junctions. *Applied Physics Express*, **2019**, 12, 083001	2.4	18
175	Nonequilibrium skyrmion accumulation induced by direct current in Ir/Co/Pt heterostructure. *Applied Physics Express*, **2019**, 12, 073002	2.4	7
174	Observation of the magnetization metastable state in a perpendicularly magnetized nanopillar with asymmetric potential landscape. *Applied Physics Letters*, **2019**, 115, 092407	3.4	
173	Impact of oxygen interdiffusion on spin-to-charge conversion at nonmagnetic metal/Bi oxide interfaces. *Physical Review Materials*, **2019**, 3,	3.2	2
172	Impact of carbon segregant on microstructure and magnetic properties of FePt-C nanogranular films on MgO (001) substrate. *Acta Materialia*, **2019**, 166, 413-423	8.4	15
171	Heat-assisted magnetic recording media materials. *MRS Bulletin*, **2018**, 43, 93-99	3.2	21
170	Beyond a phenomenological description of magnetostriction. *Nature Communications*, **2018**, 9, 388	17.4	33
169	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	8.4	62
168	Analysis of magnetotransport properties and microstructure in current-perpendicular-to-plane pseudo spin-valves using Co2Fe(Ga0.5Ge0.5) Heusler alloy and Ag/Mg-Ti-O/Ag-based spacer. *Journal of Applied Physics*, **2018**, 123, 233903	2.5	1
167	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	2.8	8
166	Large perpendicular magnetic anisotropy in epitaxial Fe/MgAl2O4(001) heterostructures. *Applied Physics Express*, **2018**, 11, 063008	2.4	12
165	Micromagnetic Studies of Laser-Induced Magnetization Dynamics in FePt Films. *IEEE Transactions on Magnetics*, **2018**, 54, 1-4	2	1
164	Near-Tc Ferromagnetic Resonance and Damping in FePt-Based Heat-Assisted Magnetic Recording Media. *Physical Review Applied*, **2018**, 10,	4.3	10
163	Impact of intergrain spin transfer torques due to huge thermal gradients on the performance of heat assisted magnetic recording **2018**,		1

162	Investigation of Gilbert damping of a tetragonally distorted ultrathin Fe0.5Co0.5 epitaxial film with high magnetic anisotropy. *Applied Physics Letters*, **2018**, 113, 232406	3.4	14
161	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	7
160	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	2.8	6
159	High output voltage of magnetic tunnel junctions with a Cu(In0.8Ga0.2)Se2semiconducting barrier with a low resistance□rea product. *Applied Physics Express*, **2017**, 10, 013008	2.4	7
158	Magnetic Switching in Granular FePt Layers Promoted by Near-Field Laser Enhancement. *Nano Letters*, **2017**, 17, 2426-2432	11.5	16
157	Magnetic anisotropy of L10-ordered FePt thin films studied by Fe and Pt L2,3-edges x-ray magnetic circular dichroism. *Applied Physics Letters*, **2017**, 111, 142402	3.4	18
156	Increased magnetic damping in ultrathin films of Co2FeAl with perpendicular anisotropy. *Applied Physics Letters*, **2017**, 110, 252409	3.4	20
155	. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	5
154	Intrinsic hard magnetic properties of Sm(Fe 1□ Co x) 12 compound with the ThMn 12 structure. *Scripta Materialia*, **2017**, 138, 62-65	5.6	106
153	Spintronics Materials with High-Spin Polarization **2016**, 21-42		
152	Accumulative Magnetic Switching of Ultrahigh-Density Recording Media by Circularly Polarized Light. *Physical Review Applied*, **2016**, 6,	4.3	50
151	Effect of Co substitution for Mn on spin polarization and magnetic properties of ferrimagnetic Mn2VAl. *Journal of Alloys and Compounds*, **2016**, 662, 510-515	5.7	16
150	Growth Mechanism of Columnar Grains in FePt□ Granular Films for HAMR Media Processed by Compositionally Graded Sputtering. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	3
149	Magnetization reversal of FePt based exchange coupled composite media. *Acta Materialia*, **2016**, 111, 47-55	8.4	15
148	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	8.4	16
147	Structure Optimization of FePt□ Nanogranular Films for Heat-Assisted Magnetic Recording Media. *IEEE Transactions on Magnetics*, **2016**, 52, 1-8	2	7
146	Spin Polarization in Heusler Alloy Films. *Springer Series in Materials Science*, **2016**, 295-318	0.9	1
145	Magnetic tunnel junctions with a rock-salt-type Mg1□TixO barrier for low resistance area product. *Applied Physics Letters*, **2016**, 108, 242416	3.4	8

144	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, 093911	2.5	14
143	Large enhancement of bulk spin polarization by suppressing CoMn anti-sites in Co2Mn(Ge0.75Ga0.25) Heusler alloy thin film. *Applied Physics Letters*, **2016**, 108, 122404	3.4	20
142	Large magnetoresistance in Heusler-alloy-based epitaxial magnetic junctions with semiconducting Cu(In0.8Ga0.2)Se2 spacer. *Applied Physics Letters*, **2016**, 109, 032409	3.4	25
141	Synthesis of single-crystalline anisotropic gold nano-crystals via chemical vapor deposition. *Journal of Applied Physics*, **2016**, 119, 174301	2.5	10
140	Temperature dependence of magneto-transport properties in Co2Fe(Ga0.5Ge0.5)/Cu lateral spin valves. *Applied Physics Letters*, **2016**, 108, 062401	3.4	6
139	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, 105105	1.5	9
138	L10□FePt Granular Films for Heat-Assisted Magnetic Recording Media **2016**, 245-277		6
137	Columnar Structure in FePt□ Granular Media for Heat-Assisted Magnetic Recording. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	25
136	High spin polarization and spin splitting in equiatomic quaternary CoFeCrAl Heusler alloy. *Journal of Magnetism and Magnetic Materials*, **2015**, 394, 82-86	2.8	64
135	Effect of MgO underlayer misorientation on the texture and magnetic property of FePt□ granular film. *Acta Materialia*, **2015**, 91, 41-49	8.4	43
134	Crystal orientation dependence of band matching in all-B2-trilayer current-perpendicular-to-plane giant magnetoresistance pseudo spin-valves using Co2Fe(Ge0.5Ga0.5) Heusler alloy and NiAl spacer. *Journal of Applied Physics*, **2015**, 117, 17C119	2.5	6
133	Hard magnetic properties of spacer-layer-tuned NdFeB/Ta/Fe nanocomposite films. *Acta Materialia* , **2015**, 84, 405-412	8.4	25
132	NdFe12Nx hard-magnetic compound with high magnetization and anisotropy field. *Scripta Materialia*, **2015**, 95, 70-72	5.6	93
131	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, 163901	2.5	6
130	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, 112405	3.4	23
129	Ultrafast Lattice Dynamics of Granular L1o Phase FePt Measured by MeV Electron Diffraction. *Microscopy and Microanalysis*, **2015**, 21, 655-656	0.5	1
128	Investigation of the quaternary Fe2□xCoxMnSi (0≤x≤0.6) alloys by structural, magnetic, resistivity and spin polarization measurements. *Journal Physics D: Applied Physics*, **2015**, 48, 125002	3	18
127	Spin gapless semiconducting behavior in equiatomic quaternary CoFeMnSi Heusler alloy. *Physical Review B*, **2015**, 91,	3.3	164

126	Polycrystalline CPP-GMR Pseudospin Valves Using $langle {001}rangle $ Textured Co2Fe(Ga0.5Ge0.5) Layer Grown on a Conductive (Mg0.5Ti0.5)O Buffer Layer. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	2
125	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, 233905	2.5	7
124	All-optical control of ferromagnetic thin films and nanostructures. *Science*, **2014**, 345, 1337-40	33.3	393
123	Microstructure and magnetic properties of FePt□TiC□ granular thin films for perpendicular recording. *Solid State Communications*, **2014**, 182, 17-21	1.6	9
122	High spin polarization in CoFeMnGe equiatomic quaternary Heusler alloy. *Journal of Applied Physics*, **2014**, 116, 203902	2.5	86
121	Thermal engineering of non-local resistance in lateral spin valves. *Applied Physics Letters*, **2014**, 104, 162410	3.4	10
120	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, 172407	3.4	61
119	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, 173912	2.5	33
118	Mechanism of coercivity enhancement by Ag addition in FePt-C granular films for heat assisted magnetic recording media. *Applied Physics Letters*, **2014**, 104, 222403	3.4	36
117	Microstructure and Magnetic Properties of FePt□r2O3 Films. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	12
116	Polycrystalline current-perpendicular-to-plane giant magnetoresistance pseudo spin-valves using Co2Mn(Ga0.25Ge0.75) Heusler alloy. *Journal of Applied Physics*, **2013**, 114, 053910	2.5	6
115	Microstructure Control of L10-Ordered FePt Granular Film for Heat-Assisted Magnetic Recording (HAMR) Media. *Jom*, **2013**, 65, 853-861	2.1	25
114	Temperature dependence of magnetoresistive output of pseudo spin valves with Co2Fe(Al1⊠Six) Heusler alloys and a Ag spacer. *Journal of Applied Physics*, **2013**, 114, 123910	2.5	9
113	Microstructure and Magnetic Properties of FePt-MO$_{rm x}$ Granular Films. *IEEE Transactions on Magnetics*, **2013**, 49, 3616-3619	2	20
112	Current-perpendicular-to-plane giant magnetoresistance using Co2Fe(Ga1⊠Gex) Heusler alloy. *Journal of Applied Physics*, **2013**, 113, 043901	2.5	40
111	. *IEEE Transactions on Magnetics*, **2013**, 49, 718-722	2	48
110	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	8.4	13
109	Evaluation of slim-edge, multi-guard, and punch-through-protection structures before and after proton irradiation. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2013**, 699, 36-40	1.2	8

108	Current-Perpendicular-to-Plane Giant Magnetoresistance in Pseudo Spin Valves With $hbox{Co}_{2}hbox{Fe}(hbox{Ge}_{0.5}hbox{Ga}_{0.5})$ Heusler Alloy Ferromagnetic Layers and Cu/Ag Spacer. *IEEE Transactions on Magnetics*, **2013**, 49, 4413-4416	2	5
107	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, 042405	3.4	69
106	Structure and magnetoresistance of current-perpendicular-to-plane pseudo spin valves using Co2Mn(Ga0.25Ge0.75) Heusler alloy. *Journal of Applied Physics*, **2013**, 113, 223901	2.5	33
105	Electrically conductive (Mg0.2Ti0.8)O underlayer to grow FePt-based perpendicular recording media on glass substrates. *Journal of Applied Physics*, **2013**, 113, 203907	2.5	27
104	<001> textured polycrystalline current-perpendicular-to-plane pseudo spin-valves using Co2Fe(Ga0.5Ge0.5) Heusler alloy. *Applied Physics Letters*, **2013**, 103, 202401	3.4	23
103	Study on CPP-GMR with Heusler Alloys for Magnetic Read Sensors of Hard Disk Drives. *Materia Japan*, **2013**, 52, 99-107	0.1	
102	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	2.8	14
101	Time-domain observation of the spinmotive force in permalloy nanowires. *Physical Review Letters*, **2012**, 108, 147202	7.4	34
100	Nd(2)Fe(14)B/FeCo anisotropic nanocomposite films with a large maximum energy product. *Advanced Materials*, **2012**, 24, 6530-5	24	138
99	Spin polarization and Gilbert damping of Co2Fe(GaxGe1□) Heusler alloys. *Acta Materialia*, **2012**, 60, 6257-6265	8.4	81
98	Magnetic properties and spin polarization of Co2Mn(SixSn1□) alloys containing two L21 phases. *Journal of Alloys and Compounds*, **2012**, 514, 195-198	5.7	5
97	Co-Based Heusler Alloys for CPP-GMR Spin-Valves With Large Magnetoresistive Outputs. *IEEE Transactions on Magnetics*, **2012**, 48, 1751-1757	2	36
96	Microwave assisted resonant domain wall nucleation in permalloy nanowires. *Applied Physics Letters*, **2012**, 101, 172406	3.4	7
95	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, 083922	2.5	47
94	All-metallic lateral spin valves using Co2Fe(Ge0.5Ga0.5) Heusler alloy with a large spin signal. *Applied Physics Letters*, **2012**, 100, 052405	3.4	59
93	Spin Polarization of Alternate Monatomic Epitaxial [Fe/Co]nSuperlattice. *Japanese Journal of Applied Physics*, **2012**, 51, 093006	1.4	
92	Large magnetoresistance in current-perpendicular-to-plane pseudospin valve using a Co2Fe(Ge0.5Ga0.5) Heusler alloy. *Applied Physics Letters*, **2011**, 98, 152501	3.4	88
91	Microstructure Analysis of Spintronics Devices by a Transmission Electron Microscope. *Hyomen Kagaku*, **2011**, 32, 139-144		

90	Bi-quadratic interlayer exchange coupling in Co2MnSi/Ag/Co2MnSi pseudo spin-valve. *Journal of Applied Physics*, **2011**, 110, 123914	2.5	6
89	Spin polarization measurements of Co2Mn (Ga0.5Sn0.5) thin films. *Journal of Magnetism and Magnetic Materials*, **2011**, 323, 3092-3097	2.8	
88	FePtAg-C Nanogranular Film as Thermally Assisted Magnetic Recording (TAR) Media. *IEEE Transactions on Magnetics*, **2011**, 47, 4062-4065	2	21
87	Microstructure optimization to achieve high coercivity in anisotropic Nd□FeB thin films. *Acta Materialia*, **2011**, 59, 7768-7775	8.4	81
86	Effect of film morphology on the magnetic properties for Nd□FeB thin films. *Journal of Magnetism and Magnetic Materials*, **2011**, 323, 162-165	2.8	16
85	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, 162508	3.4	27
84	L10-ordered FePtAg□ granular thin film for thermally assisted magnetic recording media (invited). *Journal of Applied Physics*, **2011**, 109, 07B703	2.5	51
83	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, 07E112	2.5	11
82	Low-temperature grown quaternary Heusler-compound Co2Mn1□FexSi films on Ge(111). *Journal of Applied Physics*, **2011**, 109, 07B113	2.5	22
81	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
80	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, 113917	2.5	28
79	Fabrication and characterization of highly textured Nd□FeB thin film with a nanosized columnar grain structure. *Journal of Applied Physics*, **2010**, 108, 043901	2.5	15
78	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, 212501	3.4	130
77	Current-perpendicular-to-plane spin valves with a Co2Mn(Ga0.5Sn0.5) Heusler alloy. *Journal of Applied Physics*, **2010**, 108, 093916	2.5	22
76	Enhanced Spin Polarization of Co2MnGe Heusler Alloy by Substitution of Ga for Ge. *Applied Physics Express*, **2010**, 3, 023002	2.4	38
75	FePtAg□ nanogranular films fabricated on a heat resistant glass substrate for perpendicular magnetic recording. *Journal of Applied Physics*, **2010**, 108, 083907	2.5	17
74	High spin-filter efficiency in a Co ferrite fabricated by a thermal oxidation. *Applied Physics Letters*, **2010**, 96, 072512	3.4	65
73	Structural characterizations of Co2MnSi/MgO/Co2MnSi magnetic tunnel junctions by transmission electron microscopy. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 357-361	2.8	13

72	L10-ordered high coercivity (FePt)Ag granular thin films for perpendicular recording. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 2658-2664	2.8	161
71	Suppression of magnon excitations in Co2MnSi Heusler alloy by Nd doping. *Journal of Applied Physics*, **2009**, 105, 063916	2.5	7
70	Transmission electron microscopy investigation of CoFeB/MgO/CoFeB pseudospin valves annealed at different temperatures. *Journal of Applied Physics*, **2009**, 106, 023920	2.5	77
69	Spin polarization of Fe4N thin films determined by point-contact Andreev reflection. *Applied Physics Letters*, **2009**, 94, 202502	3.4	57
68	Coercive field and energy barriers in partially disordered FePt nanoparticles. *Journal of Applied Physics*, **2009**, 105, 07B514	2.5	5
67	Interlayer exchange coupling in Co2FeAl0.5Si0.5/Cr/Co2FeAl0.5Si0.5 trilayers. *Journal of Applied Physics*, **2009**, 105, 07C305	2.5	4
66	Consolidation of hydrogenation disproportionation desorption recombination processed NdFeB magnets by spark plasma sintering. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 3681-3686	2.8	17
65	Highly spin-polarized Co2MnGa0.5Sn0.5 Heusler compound. *Acta Materialia*, **2009**, 57, 2702-2709	8.4	44
64	FeTaC soft underlayer for double-layered perpendicular recording media. *Journal of Applied Physics*, **2009**, 105, 07A304	2.5	14
63	FePt-C nanogranular films for perpendicular magnetic recording. *Journal of Applied Physics*, **2009**, 105, 07B732	2.5	23
62	Spin polarization of CoFe alloys estimated by point contact Andreev reflection and tunneling magnetoresistance. *Journal of Applied Physics*, **2009**, 105, 07C916	2.5	14
61	The effect of iron addition on the spin polarization and magnetic properties of Co2CrGa Heusler alloy. *Journal Physics D: Applied Physics*, **2008**, 41, 225002	3	16
60	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, 122507	3.4	147
59	The enhancement of the spin polarization of Co2MnSn by Fe doping. *Journal of Applied Physics*, **2008**, 103, 103904	2.5	10
58	L10FePtC Nanogranular Perpendicular Anisotropy Films with Narrow Size Distribution. *Applied Physics Express*, **2008**, 1, 101301	2.4	67
57	Microstructure and magnetic properties of FePt-SiO2 granular films with Ag addition. *Journal of Applied Physics*, **2008**, 103, 023910	2.5	45
56	Boron segregation in crystallized MgO/amorphous-Co40Fe40B20 thin films. *Journal of Applied Physics*, **2008**, 104, 033517	2.5	37
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