

Yukiko K Takahashi

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215
papers

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238
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4
avg, IF

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L-index

#	Paper	IF	Citations
215	All-optical control of ferromagnetic thin films and nanostructures. <i>Science</i> , 2014 , 345, 1337-40	33.3	393
214	Preparation and magnetic properties of highly coercive FePt films. <i>Applied Physics Letters</i> , 2002 , 81, 1050-1052	3.4	244
213	Coercivity exceeding 100kOe in epitaxially grown FePt sputtered films. <i>Applied Physics Letters</i> , 2004 , 85, 2571-2573	3.4	208
212	Spin gapless semiconducting behavior in equiatomic quaternary CoFeMnSi Heusler alloy. <i>Physical Review B</i> , 2015 , 91,	3.3	164
211	L10-ordered high coercivity (FePt)Ag $\bar{1}$ granular thin films for perpendicular recording. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 2658-2664	2.8	161
210	Size dependence of ordering in FePt nanoparticles. <i>Journal of Applied Physics</i> , 2004 , 95, 2690-2696	2.5	152
209	Current-perpendicular-to-plane giant magnetoresistance in spin-valve structures using epitaxial Co ₂ FeAl _{0.5} Si _{0.5} /Ag/Co ₂ FeAl _{0.5} Si _{0.5} trilayers. <i>Applied Physics Letters</i> , 2008 , 93, 122507	3.4	147
208	Structure, magnetic property, and spin polarization of Co ₂ FeAl _x Si _{1-x} Heusler alloys. <i>Journal of Applied Physics</i> , 2007 , 102, 033916	2.5	146
207	Nd ₂ Fe ₁₄ B/FeCo anisotropic nanocomposite films with a large maximum energy product. <i>Advanced Materials</i> , 2012 , 24, 6530-5	2.4	138
206	Sm(Co,Cu) ₅ Fe exchange spring multilayer films with high energy product. <i>Applied Physics Letters</i> , 2005 , 86, 122509	3.4	131
205	Effect of Cu on the structure and magnetic properties of FePt sputtered film. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 246, 259-265	2.8	131
204	Bulk and interfacial scatterings in current-perpendicular-to-plane giant magnetoresistance with Co ₂ Fe(Al _{0.5} Si _{0.5}) Heusler alloy layers and Ag spacer. <i>Applied Physics Letters</i> , 2010 , 96, 212501	3.4	130
203	Size effect on the ordering of L10 FePt nanoparticles. <i>Physical Review B</i> , 2005 , 72,	3.3	129
202	Current-perpendicular-to-plane magnetoresistance in epitaxial Co ₂ MnSi $\bar{1}$ /Co ₂ MnSi trilayers. <i>Applied Physics Letters</i> , 2006 , 88, 222504	3.4	126
201	Size effect on the ordering of FePt granular films. <i>Journal of Applied Physics</i> , 2003 , 93, 7166-7168	2.5	124
200	Fabrication and Characteristics of Ordered Ni Nanostructures on Glass by Anodization and Direct Current Electrodeposition. <i>Chemistry of Materials</i> , 2002 , 14, 4595-4602	9.6	113
199	Intrinsic hard magnetic properties of Sm(Fe $\bar{1}$ Co x) ₁₂ compound with the ThMn ₁₂ structure. <i>Scripta Materialia</i> , 2017 , 138, 62-65	5.6	106

198	NdFe ₁₂ N _x hard-magnetic compound with high magnetization and anisotropy field. <i>Scripta Materialia</i> , 2015 , 95, 70-72	5.6	93
197	Large magnetoresistance in current-perpendicular-to-plane pseudospin valve using a Co ₂ Fe(Ge _{0.5} Ga _{0.5}) Heusler alloy. <i>Applied Physics Letters</i> , 2011 , 98, 152501	3.4	88
196	Spin polarization of Co ₂ FeSi full-Heusler alloy and tunneling magnetoresistance of its magnetic tunneling junctions. <i>Applied Physics Letters</i> , 2006 , 89, 082512	3.4	88
195	High spin polarization in CoFeMnGe equiatomic quaternary Heusler alloy. <i>Journal of Applied Physics</i> , 2014 , 116, 203902	2.5	86
194	Microstructure and magnetic properties of FePt and Fe/FePt polycrystalline films with high coercivity. <i>Journal of Applied Physics</i> , 2004 , 96, 475-481	2.5	84
193	Spin polarization and Gilbert damping of Co ₂ Fe(GaxGe _{1-x}) Heusler alloys. <i>Acta Materialia</i> , 2012 , 60, 6257-6265	8.4	81
192	Microstructure optimization to achieve high coercivity in anisotropic NdFeB thin films. <i>Acta Materialia</i> , 2011 , 59, 7768-7775	8.4	81
191	Transmission electron microscopy investigation of CoFeB/MgO/CoFeB pseudospin valves annealed at different temperatures. <i>Journal of Applied Physics</i> , 2009 , 106, 023920	2.5	77
190	Size dependences of magnetic properties and switching behavior in FePt L10 nanoparticles. <i>Physical Review B</i> , 2003 , 67,	3.3	77
189	Microstructure and magnetic properties of FePt thin films epitaxially grown on MgO (001) substrates. <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 267, 248-255	2.8	72
188	Particulate structure of L10 ordered ultrathin FePt films for perpendicular recording. <i>Applied Physics Letters</i> , 2008 , 92, 132508	3.4	71
187	Enhancement of giant magnetoresistance by L21 ordering in Co ₂ Fe(Ge _{0.5} Ga _{0.5}) Heusler alloy current-perpendicular-to-plane pseudo spin valves. <i>Applied Physics Letters</i> , 2013 , 103, 042405	3.4	69
186	L10FePt Nanogranular Perpendicular Anisotropy Films with Narrow Size Distribution. <i>Applied Physics Express</i> , 2008 , 1, 101301	2.4	67
185	High spin-filter efficiency in a Co ferrite fabricated by a thermal oxidation. <i>Applied Physics Letters</i> , 2010 , 96, 072512	3.4	65
184	High spin polarization and spin splitting in equiatomic quaternary CoFeCrAl Heusler alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 394, 82-86	2.8	64
183	Intrinsic magnetic properties of Sm(Fe _{1-x} Co _x) ₁₁ Ti and Zr-substituted Sm _{1-y} Zr _y (Fe _{0.8} Co _{0.2}) _{11.5} Ti _{0.5} compounds with ThMn ₁₂ structure toward the development of permanent magnets. <i>Acta Materialia</i> , 2018 , 153, 354-363	8.4	62
182	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. <i>Applied Physics Letters</i> , 2014 , 104, 172407	3.4	61
181	On low-temperature ordering of FePt films. <i>Scripta Materialia</i> , 2005 , 53, 403-409	5.6	60

180	All-metallic lateral spin valves using Co ₂ Fe(Ge _{0.5} Ga _{0.5}) Heusler alloy with a large spin signal. <i>Applied Physics Letters</i> , 2012 , 100, 052405	3-4	59
179	Spin polarization of Fe ₄ N thin films determined by point-contact Andreev reflection. <i>Applied Physics Letters</i> , 2009 , 94, 202502	3-4	57
178	Formation of octahedral FePt nanoparticles by alternate deposition of FePt and MgO. <i>Applied Physics Letters</i> , 2006 , 88, 063117	3-4	53
177	L10-ordered FePtAg granular thin film for thermally assisted magnetic recording media (invited). <i>Journal of Applied Physics</i> , 2011 , 109, 07B703	2-5	51
176	Accumulative Magnetic Switching of Ultrahigh-Density Recording Media by Circularly Polarized Light. <i>Physical Review Applied</i> , 2016 , 6,	4-3	50
175	. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 718-722	2	48
174	Microstructure and spin polarization of quaternary Co ₂ Cr _{1-x} V _x Al, Co ₂ V _{1-x} Fe _x Al and Co ₂ Cr _{1-x} Fe _x Al Heusler alloys. <i>Acta Materialia</i> , 2007 , 55, 3867-3874	8-4	48
173	Ordering process of sputtered FePt films. <i>Journal of Applied Physics</i> , 2003 , 93, 7580-7582	2-5	48
172	Transmission electron microscopy study on the effect of various capping layers on CoFeB/MgO/CoFeB pseudo spin valves annealed at different temperatures. <i>Journal of Applied Physics</i> , 2012 , 111, 083922	2-5	47
171	Microstructure and magnetic properties of FePt-SiO ₂ granular films with Ag addition. <i>Journal of Applied Physics</i> , 2008 , 103, 023910	2-5	45
170	Highly spin-polarized Co ₂ MnGa _{0.5} Sn _{0.5} Heusler compound. <i>Acta Materialia</i> , 2009 , 57, 2702-2709	8-4	44
169	Interfacial disorder in the L10 FePt particles capped with amorphous Al ₂ O ₃ . <i>Applied Physics Letters</i> , 2004 , 84, 383-385	3-4	44
168	Effect of MgO underlayer misorientation on the texture and magnetic property of FePt granular film. <i>Acta Materialia</i> , 2015 , 91, 41-49	8-4	43
167	Current-perpendicular-to-plane giant magnetoresistance using Co ₂ Fe(Ga _{1-x} Gex) Heusler alloy. <i>Journal of Applied Physics</i> , 2013 , 113, 043901	2-5	40
166	Exchange bias of spin valve structure with a top-pinned Co ₄₀ Fe ₄₀ B ₂₀ Mn. <i>Applied Physics Letters</i> , 2008 , 93, 012501	3-4	40
165	Spin polarization of quaternary Co ₂ Cr _{1-x} Fe _x Al Heusler alloys. <i>Applied Physics Letters</i> , 2006 , 89, 052505	3-4	39
164	Low-Temperature Fabrication of High-Coercivity L10 Ordered FePt Magnetic Thin Films by Sputtering. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, L1367-L1369	1-4	39
163	Enhanced Spin Polarization of Co ₂ MnGe Heusler Alloy by Substitution of Ga for Ge. <i>Applied Physics Express</i> , 2010 , 3, 023002	2-4	38

162	Preparation of Monodisperse and Highly Coercive L10-FePt Nanoparticles Dispersible in Nonpolar Organic Solvents. <i>Chemistry of Materials</i> , 2006 , 18, 5385-5388	9.6	38
161	Boron segregation in crystallized MgO/amorphous-Co40Fe40B20 thin films. <i>Journal of Applied Physics</i> , 2008 , 104, 033517	2.5	37
160	Influence of the buffer layers on magnetic properties of FePt (001) films sputter-deposited at reduced temperature. <i>Journal of Applied Physics</i> , 2004 , 96, 1127-1132	2.5	37
159	Mechanism of coercivity enhancement by Ag addition in FePt-C granular films for heat assisted magnetic recording media. <i>Applied Physics Letters</i> , 2014 , 104, 222403	3.4	36
158	Co-Based Heusler Alloys for CPP-GMR Spin-Valves With Large Magnetoresistive Outputs. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 1751-1757	2	36
157	Microstructure and magnetic properties of SmCo5 thin films deposited on Cu and Pt underlayers. <i>Journal of Applied Physics</i> , 2006 , 100, 053913	2.5	36
156	Spin-dependent single-electron-tunneling effects in epitaxial Fe nanoparticles. <i>Applied Physics Letters</i> , 2004 , 84, 3106-3108	3.4	36
155	Time-domain observation of the spinmotive force in permalloy nanowires. <i>Physical Review Letters</i> , 2012 , 108, 147202	7.4	34
154	Beyond a phenomenological description of magnetostriction. <i>Nature Communications</i> , 2018 , 9, 388	17.4	33
153	Magneto-transport and microstructure of Co2Fe(Ga0.5Ge0.5)/Cu lateral spin valves prepared by top-down microfabrication process. <i>Journal of Applied Physics</i> , 2014 , 115, 173912	2.5	33
152	Structure and magnetoresistance of current-perpendicular-to-plane pseudo spin valves using Co2Mn(Ga0.25Ge0.75) Heusler alloy. <i>Journal of Applied Physics</i> , 2013 , 113, 223901	2.5	33
151	Microstructures and coercivities of SmCox and Sm(Co,Cu)5 films prepared by magnetron sputtering. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 1-7	2.8	33
150	Achievement of high coercivity in Sm(Fe0.8Co0.2)12 anisotropic magnetic thin film by boron doping. <i>Acta Materialia</i> , 2020 , 194, 337-342	8.4	31
149	Magnetization reversal of FePt hard/soft stacked nanocomposite particle assembly. <i>Journal of Applied Physics</i> , 2006 , 100, 074305	2.5	31
148	Structure and transport properties of current-perpendicular-to-plane spin valves using Co2FeAl0.5Si0.5 and Co2MnSi Heusler alloy electrodes. <i>Journal of Applied Physics</i> , 2010 , 107, 113917	2.5	28
147	Magnetic anisotropy constants of ThMn12-type Sm(Fe1-xCox)12 compounds and their temperature dependence. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 497, 165965	2.8	28
146	Electrically conductive (Mg0.2Ti0.8)O underlayer to grow FePt-based perpendicular recording media on glass substrates. <i>Journal of Applied Physics</i> , 2013 , 113, 203907	2.5	27
145	Large amplitude microwave emission and reduced nonlinear phase noise in Co2Fe(Ge0.5Ga0.5) Heusler alloy based pseudo spin valve nanopillars. <i>Applied Physics Letters</i> , 2011 , 99, 162508	3.4	27

144	Spin polarization of Co ₂ MnGe and Co ₂ MnSi thin films with A2 and L21 structures. <i>Journal of Applied Physics</i> , 2007 , 101, 023901	2.5	27
143	Effect of Cr substitution for Fe on the spin polarization of Co ₂ CrxFe _{1-x} Si Heusler alloys. <i>Journal of Applied Physics</i> , 2007 , 102, 043903	2.5	27
142	High coercivity and magnetic domain observation in epitaxially grown particulate FePt thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 266, 171-177	2.8	26
141	Columnar Structure in FePt Granular Media for Heat-Assisted Magnetic Recording. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	25
140	Hard magnetic properties of spacer-layer-tuned NdFeB/Ta/Fe nanocomposite films. <i>Acta Materialia</i> , 2015 , 84, 405-412	8.4	25
139	Microstructure Control of L10-Ordered FePt Granular Film for Heat-Assisted Magnetic Recording (HAMR) Media. <i>Jom</i> , 2013 , 65, 853-861	2.1	25
138	Nucleation-type magnetization behavior in FePt (001) particulate films. <i>Journal of Applied Physics</i> , 2006 , 99, 033516	2.5	25
137	Large magnetoresistance in Heusler-alloy-based epitaxial magnetic junctions with semiconducting Cu(In _{0.8} Ga _{0.2})Se ₂ spacer. <i>Applied Physics Letters</i> , 2016 , 109, 032409	3.4	25
136	Emergence of coercivity in Sm(Fe _{0.8} Co _{0.2}) ₁₂ thin films via eutectic alloy grain boundary infiltration. <i>Scripta Materialia</i> , 2019 , 164, 140-144	5.6	24
135	The effect of Zr substitution on saturation magnetization in (Sm _{1-x} Zr _x)(Fe _{0.8} Co _{0.2}) ₁₂ compound with the ThMn ₁₂ structure. <i>Acta Materialia</i> , 2019 , 178, 114-121	8.4	23
134	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. <i>Applied Physics Letters</i> , 2015 , 107, 112405	3.4	23
133	<001> textured polycrystalline current-perpendicular-to-plane pseudo spin-valves using Co ₂ Fe(Ga _{0.5} Ge _{0.5}) Heusler alloy. <i>Applied Physics Letters</i> , 2013 , 103, 202401	3.4	23
132	FePt-C nanogranular films for perpendicular magnetic recording. <i>Journal of Applied Physics</i> , 2009 , 105, 07B732	2.5	23
131	Magneto-optical painting of heat current. <i>Nature Communications</i> , 2020 , 11, 2	17.4	23
130	Current-perpendicular-to-plane spin valves with a Co ₂ Mn(Ga _{0.5} Sn _{0.5}) Heusler alloy. <i>Journal of Applied Physics</i> , 2010 , 108, 093916	2.5	22
129	Low-temperature grown quaternary Heusler-compound Co ₂ Mn _{1-x} FexSi films on Ge(111). <i>Journal of Applied Physics</i> , 2011 , 109, 07B113	2.5	22
128	Heat-assisted magnetic recording media materials. <i>MRS Bulletin</i> , 2018 , 43, 93-99	3.2	21
127	FePtAg-C Nanogranular Film as Thermally Assisted Magnetic Recording (TAR) Media. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4062-4065	2	21

126	Microstructure and Magnetic Properties of FePt-MO _x Granular Films. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3616-3619	2	20
125	Increased magnetic damping in ultrathin films of Co ₂ FeAl with perpendicular anisotropy. <i>Applied Physics Letters</i> , 2017 , 110, 252409	3.4	20
124	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. <i>Applied Physics Letters</i> , 2016 , 108, 122404	3.4	20
123	High spin polarization in a two phase quaternary Heusler alloy Co ₂ MnAl _{1-x} Sn _x . <i>Journal of Applied Physics</i> , 2007 , 101, 09J508	2.5	19
122	Magnetic anisotropy of L10-ordered FePt thin films studied by Fe and Pt L _{2,3} -edges x-ray magnetic circular dichroism. <i>Applied Physics Letters</i> , 2017 , 111, 142402	3.4	18
121	Voltage-controlled magnetic skyrmions in magnetic tunnel junctions. <i>Applied Physics Express</i> , 2019 , 12, 083001	2.4	18
120	Investigation of the quaternary Fe _{2-x} Co _x MnSi (0 ≤ x ≤ 0.6) alloys by structural, magnetic, resistivity and spin polarization measurements. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 125002	3	18
119	FePtAg nanogranular films fabricated on a heat resistant glass substrate for perpendicular magnetic recording. <i>Journal of Applied Physics</i> , 2010 , 108, 083907	2.5	17
118	Consolidation of hydrogenation-disproportionation-desorption-recombination processed NdFeB magnets by spark plasma sintering. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 3681-3686	2.8	17
117	Magnetic properties and microstructures of FePt thin films sputter deposited under partial nitrogen gas flow. <i>Journal of Applied Physics</i> , 2005 , 98, 013902	2.5	17
116	Magnetocrystalline anisotropy for α -Fe-C and α -Fe-N films. <i>IEEE Transactions on Magnetics</i> , 2001 , 37, 2179-2181	2	17
115	Magnetic Switching in Granular FePt Layers Promoted by Near-Field Laser Enhancement. <i>Nano Letters</i> , 2017 , 17, 2426-2432	11.5	16
114	Effect of Co substitution for Mn on spin polarization and magnetic properties of ferrimagnetic Mn ₂ VAl. <i>Journal of Alloys and Compounds</i> , 2016 , 662, 510-515	5.7	16
113	The influence of grain morphology and easy axis orientation on the coercivity of Sm(Co _{0.9} Cu _{0.1}) ₅ thin films. <i>Acta Materialia</i> , 2016 , 107, 49-58	8.4	16
112	Effect of film morphology on the magnetic properties for NdFeB thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 162-165	2.8	16
111	The effect of iron addition on the spin polarization and magnetic properties of Co ₂ CrGa Heusler alloy. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 225002	3	16
110	New soft magnetic material of α -Fe ₃ C with high Bs. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 239, 479-483	2.8	16
109	Regulation of oxygen reduction reaction by the magnetic effect of L10-PtFe alloy. <i>Applied Catalysis B: Environmental</i> , 2020 , 278, 119332	21.8	16

108	Single-crystal diamond microelectromechanical resonator integrated with a magneto-strictive galfenol film for magnetic sensing. <i>Carbon</i> , 2019 , 152, 788-795	10.4	15
107	Magnetization reversal of FePt based exchange coupled composite media. <i>Acta Materialia</i> , 2016 , 111, 47-55	8.4	15
106	Fabrication and characterization of highly textured NdFeB thin film with a nanosized columnar grain structure. <i>Journal of Applied Physics</i> , 2010 , 108, 043901	2.5	15
105	Nanoconstricted structure for current-confined path in current-perpendicular-to-plane spin valves with high magnetoresistance. <i>Journal of Applied Physics</i> , 2005 , 97, 10C509	2.5	15
104	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	8.4	15
103	Effect of NiAl underlayer and spacer on magnetoresistance of current-perpendicular-to-plane spin valves using Co ₂ Mn(Ga _{0.5} Sn _{0.5}) Heusler alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 440-444	2.8	14
102	Fe ₃ Ta ₃ soft underlayer for double-layered perpendicular recording media. <i>Journal of Applied Physics</i> , 2009 , 105, 07A304	2.5	14
101	Spin polarization of CoFe alloys estimated by point contact Andreev reflection and tunneling magnetoresistance. <i>Journal of Applied Physics</i> , 2009 , 105, 07C916	2.5	14
100	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. <i>Journal of Applied Physics</i> , 2016 , 119, 093911	2.5	14
99	Investigation of Gilbert damping of a tetragonally distorted ultrathin Fe _{0.5} Co _{0.5} epitaxial film with high magnetic anisotropy. <i>Applied Physics Letters</i> , 2018 , 113, 232406	3.4	14
98	Structure and magnetoresistive properties of current-perpendicular-to-plane pseudo-spin valves using polycrystalline Co ₂ Fe-based Heusler alloy films. <i>Acta Materialia</i> , 2013 , 61, 3695-3702	8.4	13
97	Structural characterizations of Co ₂ MnSi/MgO/Co ₂ MnSi magnetic tunnel junctions by transmission electron microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 357-361	2.8	13
96	Large perpendicular magnetic anisotropy in epitaxial Fe/MgAl ₂ O ₄ (001) heterostructures. <i>Applied Physics Express</i> , 2018 , 11, 063008	2.4	12
95	Microstructure and Magnetic Properties of FePt/Cr ₂ O ₃ Films. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	12
94	Control of grain density in FePt-C granular thin films during initial growth. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 500, 166418	2.8	12
93	Recent advances in SmFe-based permanent magnets. <i>Science and Technology of Advanced Materials</i> , 2021 , 22, 449-460	7.1	12
92	Enhancement of current-perpendicular-to-plane giant magnetoresistance by insertion of Co ₅₀ Fe ₅₀ layers at the Co ₂ Mn(Ga _{0.5} Sn _{0.5})/Ag interface. <i>Journal of Applied Physics</i> , 2011 , 109, 07E112	2.5	11
91	Fabrication of L10 ordered FePt thin films with a canted easy magnetization axis on MgO (1 1 0) substrate. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E557-E559	2.8	11

90	Thermal engineering of non-local resistance in lateral spin valves. <i>Applied Physics Letters</i> , 2014 , 104, 162410	3.10	10
89	The effect of substitution of Fe with Cr on the giant magnetoresistance of current-perpendicular-to-plane spin valves with Co ₂ FeSi Heusler alloy. <i>Journal of Applied Physics</i> , 2011 , 109, 043901-043901-6	2.5	10
88	The enhancement of the spin polarization of Co ₂ MnSn by Fe doping. <i>Journal of Applied Physics</i> , 2008 , 103, 103904	2.5	10
87	Effect of base pressure on the structure and magnetic properties of FePt thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, 250-256	2.8	10
86	Optimum compositions for the low-temperature fabrication of highly ordered FePt [001] and FePt [110] films. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 2522-2524	2	10
85	Synthesis of single-crystalline anisotropic gold nano-crystals via chemical vapor deposition. <i>Journal of Applied Physics</i> , 2016 , 119, 174301	2.5	10
84	Near-Tc Ferromagnetic Resonance and Damping in FePt-Based Heat-Assisted Magnetic Recording Media. <i>Physical Review Applied</i> , 2018 , 10,	4.3	10
83	Enhancing Delta Effect at High Temperatures of Galfenol/Ti/Single-Crystal Diamond Resonators for Magnetic Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 23155-23164	9.5	9
82	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	7.4	9
81	Microstructure and magnetic properties of FePt _{1-x} Co _x granular thin films for perpendicular recording. <i>Solid State Communications</i> , 2014 , 182, 17-21	1.6	9
80	Temperature dependence of magnetoresistive output of pseudo spin valves with Co ₂ Fe(Al _{1-x} Si _x) Heusler alloys and a Ag spacer. <i>Journal of Applied Physics</i> , 2013 , 114, 123910	2.5	9
79	Influence of MgO underlayers on the structure and magnetic properties of FePt-C nanogranular films for heat-assisted magnetic recording media. <i>AIP Advances</i> , 2016 , 6, 105105	1.5	9
78	Time domain magnetization dynamics study to estimate interlayer exchange coupling constant in Nd-Fe-B/Ni ₈₀ Fe ₂₀ films. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 468, 273-278	2.8	8
77	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	1.2	8
76	Self-alignment of Fe nanoparticles on a tunnel barrier. <i>Applied Physics Letters</i> , 2005 , 87, 033115	3.4	8
75	Magnetic tunnel junctions with a rock-salt-type Mg _{1-x} Ti _x O barrier for low resistance area product. <i>Applied Physics Letters</i> , 2016 , 108, 242416	3.4	8
74	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. <i>Applied Physics Express</i> , 2017 , 10, 013008	2.4	7
73	Nonlocal accumulation, chemical potential, and Hall effect of skyrmions in Pt/Co/Ir heterostructure. <i>Scientific Reports</i> , 2020 , 10, 1009	4.9	7

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