Osamu Kitakami

List of Publications by Citations

247 papers	7,119 citations	38 h-index	78 g-index
258 ext. papers	7,515 ext. citations	2.6 avg, IF	5.25 L-index

#	Paper	IF	Citations
247	Magnetic-field-induced shape recovery by reverse phase transformation. *Nature*, **2006**, 439, 957-60	50.4	1442
246	Size effect on the crystal phase of cobalt fine particles. *Physical Review B*, **1997**, 56, 13849-13854	3.3	411
245	Chemical-order-dependent magnetic anisotropy and exchange stiffness constant of FePt (001) epitaxial films. *Physical Review B*, **2002**, 66,	3.3	381
244	Metamagnetic shape memory effect in a Heusler-type Ni43Co7Mn39Sn11 polycrystalline alloy. *Applied Physics Letters*, **2006**, 88, 192513	3.4	335
243	Effect of magnetic field on martensitic transition of Ni46Mn41In13 Heusler alloy. *Applied Physics Letters*, **2006**, 88, 122507	3.4	241
242	Lowering of ordering temperature for fct FePt in Fe/Pt multilayers. *Journal of Applied Physics*, **2001**, 89, 7065-7067	2.5	164
241	Low-temperature ordering of L10 CoPt thin films promoted by Sn, Pb, Sb, and Bi additives. *Applied Physics Letters*, **2001**, 78, 1104-1106	3.4	136
240	Effect of interdot magnetostatic interaction on magnetization reversal in circular dot arrays. *Physical Review B*, **2002**, 65,	3.3	130
239	Size effect on the ordering of L10 FePt nanoparticles. *Physical Review B*, **2005**, 72,	3.3	129
238	Structure and magnetism of hcp-Co fine particles. *Journal of Applied Physics*, **1997**, 81, 1858-1862	2.5	96
237	Size dependences of magnetic properties and switching behavior in FePt L10 nanoparticles. *Physical Review B*, **2003**, 67,	3.3	77
236	Novel magnetostrictive memory device. *Journal of Applied Physics*, **2000**, 87, 6400-6402	2.5	77
235	Ordering and orientation of CoPt/SiO2 granular films with additive Ag. *Applied Physics Letters*, **2000**, 76, 3218-3220	3.4	76
234	Sensitive detection of irreversible switching in a single FePt nanosized dot. *Applied Physics Letters*, **2003**, 82, 4313-4315	3.4	75
233	Fabrication of L11 type Co-Pt ordered alloy films by sputter deposition. *Journal of Applied Physics*, **2008**, 103, 07E114	2.5	70
232	Magnetic anisotropy and behaviors of Fe nanoparticles. *IEEE Transactions on Magnetics*, **2001**, 37, 2223-2225	1.2	69
231	Particle size effects and surface anisotropy in Fe-based granular films. *Journal of Applied Physics*, **1998**, 84, 2184-2188	2.5	68

230	Vertical bistable switching of spin vortex in a circular magnetic dot. *Journal of Applied Physics*, **2001**, 90, 6548-6549	2.5	66
229	Magnetization switching behavior with microwave assistance. *Applied Physics Letters*, **2008**, 93, 102506	3.4	65
228	Microwave assisted magnetic recording technologies and related physics. *Journal Physics D: Applied Physics*, **2015**, 48, 353001	3	63
227	Study on the in-plane uniaxial anisotropy of high permeability granular films. *Journal of Applied Physics*, **1998**, 83, 6661-6663	2.5	63
226	Influence of 5d transition elements on the magnetocrystalline anisotropy of hcp-Co. *Journal of Physics Condensed Matter*, **1999**, 11, L485-L490	1.8	61
225	Crystal distortion and the magnetic moment of epitaxially grown □-Fe16N2. *Journal of Magnetism and Magnetic Materials*, **2000**, 208, 102-114	2.8	58
224	Switching behaviors and its dynamics of a Co/Pt nanodot under the assistance of rf fields. *Physical Review Letters*, **2012**, 109, 237209	7.4	57
223	Interlayer coupling in Fe/Fe1□Six superlattices. *Physical Review B*, **1999**, 59, 4279-4286	3.3	55
222	Effects of Pt and Ta on the magnetic anisotropy of Co and Co□r thin films. *Journal of Magnetism and Magnetic Materials*, **1999**, 202, 305-310	2.8	55
221	Magnetic and transport properties of sub-micron ferromagnetic wires. *IEEE Transactions on Magnetics*, **1998**, 34, 1096-1098	2	53
220	Nucleation and annihilation of magnetic vortices in sub-micron permalloy dots. *IEEE Transactions on Magnetics*, **2001**, 37, 2088-2090	2	48
219	High perpendicular magnetic anisotropy of CoPtCr/Ru films for granular-type perpendicular media. *IEEE Transactions on Magnetics*, **2004**, 40, 2483-2485	2	46
218	High-potential magnetic anisotropy of CoPtCr-SiO/sub 2/ perpendicular recording media. *IEEE Transactions on Magnetics*, **2005**, 41, 566-571	2	44
217	Effects of B and C on the ordering of L10-CoPt thin films. *Applied Physics Letters*, **2001**, 79, 2001-2003	3.4	44
216	Study of the low temperature ordering of L10□e□t in Fe/Pt multilayers. *Journal of Applied Physics*, **2003**, 94, 7222-7226	2.5	42
215	Microwave assisted switching mechanism and its stable switching limit. *Journal of Applied Physics*, **2010**, 107, 123914	2.5	41
214	Template Synthesis of Water-Dispersible Carbon Nano□est Tubes□without Any Post-treatment. *Chemistry of Materials*, **2006**, 18, 1036-1040	9.6	41
213	Time-Resolved Magnetization Dynamics and Damping Constant of Sputtered Co/Ni Multilayers. *IEEE Transactions on Magnetics*, **2011**, 47, 3036-3039	2	40

212	Magnetoresistance and planar Hall effects in submicron exchange-coupled NiO/Fe19Ni81 wires. *Applied Physics Letters*, **1999**, 74, 4026-4028	3.4	40
211	Large uniaxial magnetic anisotropy by lattice deformation in CoPtRu perpendicular films. *Journal of Applied Physics*, **2006**, 99, 08G908	2.5	39
210	Magnetic Properties of Fe-Cu and Fe-P Electrodeposited Alumite Films. *Japanese Journal of Applied Physics*, **1991**, 30, 282-289	1.4	39
209	Magnetic block array for patterned magnetic media. *Applied Physics Letters*, **2001**, 78, 784-786	3.4	38
208	Fine Metallic Particles for Magnetic Domain Observations. *Japanese Journal of Applied Physics*, **1996**, 35, 1724-1728	1.4	36
207	Surface anisotropy in giant magnetic coercivity effect of cubic granular FeCo/SiO2 and NiCo/SiO2 films: A comparison with Néel theory. *Journal of Applied Physics*, **1999**, 86, 2161-2165	2.5	36
206	Microwave assisted magnetization switching in Co/Pt multilayer. *Journal of Applied Physics*, **2011**, 109, 07B748	2.5	35
205	Perpendicular Anisotropy and Gilbert Damping in Sputtered Co/Pd Multilayers. *IEEE Transactions on Magnetics*, **2012**, 48, 3288-3291	2	34
204	α-Fe16N2 phase epitaxially grown by sputter beam method. *Journal of Applied Physics*, **1996**, 79, 5250	2.5	33
203	Magnetization reversal in submicron ferromagnetic dots and antidots arrays. *IEEE Transactions on Magnetics*, **1998**, 34, 1090-1092	2	32
202	Thermodynamic calculations of phase equilibria of CoCrPt ternary system and magnetically induced phase separation in the FCC and HCP phases. *Journal of Magnetism and Magnetic Materials*, **2001**, 236, 220-233	2.8	32
201	Large coercivity and granular structure of CoPt/SiO/sub 2/ films. *IEEE Transactions on Magnetics*, **1999**, 35, 3466-3468	2	32
200	Magnetization reversal of FePt hard/soft stacked nanocomposite particle assembly. *Journal of Applied Physics*, **2006**, 100, 074305	2.5	31
199	Determination of first and second magnetic anisotropy constants of magnetic recording media. *Applied Physics Letters*, **2000**, 77, 1689-1691	3.4	31
198	Enhancement of magnetic surface anisotropy of Pd/Co/Pd trilayers by the addition of Sm. *Journal of Applied Physics*, **2001**, 90, 4085-4088	2.5	30
197	Effect of antiferromagnetic grain size on exchange-coupling field of Cr70Al30/Fe19Ni81 bilayers. *Applied Physics Letters*, **1997**, 71, 1258-1260	3.4	29
196	Effect of surface free energy of underlayer materials on crystal growth of Co polycrystalline films. *Journal of Applied Physics*, **1996**, 79, 6880-6883	2.5	29
195	Grain growth and L10 ordering in FePtSiO2 granular films. *Journal of Magnetism and Magnetic Materials*, **2002**, 239, 310-312	2.8	28

194	Temperature-dependent magnetization reversal process and coercivity mechanism in Nd-Fe-B hot-deformed magnets. *Journal of Applied Physics*, **2015**, 118, 223903	2.5	27
193	Microwave assistance effect on magnetization switching in Co-Cr-Pt granular film. *Applied Physics Letters*, **2013**, 103, 202405	3.4	27
192	Preliminary study on (CoPtCr/NiFe)-SiO/sub 2/ hard/soft-stacked perpendicular recording media. *IEEE Transactions on Magnetics*, **2005**, 41, 3136-3138	2	27
191	Frequency modulation effect on microwave assisted magnetization switching. *Applied Physics Letters*, **2008**, 93, 142501	3.4	26
190	Long-range atomic ordering and magnetic properties of Co1−xPtx/SiO2 granular films. *Journal of Applied Physics*, **2000**, 87, 6947-6949	2.5	26
189	Large Uniaxial Magnetic Anisotropy of CoPt Perpendicular Films Induced by Lattice Deformation. *IEEE Transactions on Magnetics*, **2007**, 43, 2995-2997	2	25
188	Thermomagnetic writing on 29 Gbit/in.2 patterned magnetic media. *Applied Physics Letters*, **1999**, 75, 3159-3161	3.4	25
187	Template synthesis of water-dispersible and magnetically responsive carbon nano test tubes. *Chemical Communications*, **2008**, 2215-7	5.8	24
186	Prediction of effective elements for magnetically induced phase separation in CoCr-based magnetic recording media. *Applied Physics Letters*, **2001**, 79, 644-646	3.4	24
185	Theoretical study of thermally activated magnetization switching under microwave assistance: Switching paths and barrier height. *Physical Review B*, **2015**, 91,	3.3	23
184	Magnetic anisotropy and order structure of L10-FePt(001) single-crystal films grown epitaxially on (001) planes of MgO, SrTiO3, and MgAl2O4 substrates. *Journal of Applied Physics*, **2014**, 115, 17B712	2.5	23
183	Large coercivity and surface anisotropy in MgO/Co multilayer films. *Physical Review B*, **2001**, 63,	3.3	23
182	Switching Field and Thermal Stability of CoPt/Ru Dot Arrays With Various Thicknesses. *IEEE Transactions on Magnetics*, **2007**, 43, 2160-2162	2	22
181	Multiple Magnetic Resonance in Amorphous Co-Nb-Zr Films with Weak Perpendicular Anisotropy. *Japanese Journal of Applied Physics*, **1995**, 34, 4786-4789	1.4	22
180	Size dependence of magnetization switching and its dispersion of Co/Pt nanodots under the assistance of radio frequency fields. *Journal of Applied Physics*, **2014**, 115, 133914	2.5	21
179	Characterization of epitaxially grown Fe-N films by sputter beam method. *Journal of Applied Physics* , **1996**, 79, 1678-1683	2.5	21
178	Correlation of Giant Magnetoresistance with Interfacial Roughness in Co/Cu Superlattices. *Japanese Journal of Applied Physics*, **1994**, 33, 6173-6178	1.4	21
177	Enhancement of magnetic anisotropy of hydrogenated Pd/Co/Pd trilayers. *Journal of Magnetism and Magnetic Materials*, **2002**, 239, 313-315	2.8	20

176	Magnetically induced phase separation and magnetic properties of CoMo hexagonal-close-packed structure thin films. *Applied Physics Letters*, **2003**, 83, 966-968	3.4	20
175	Energy barrier and reversal mechanism in CoPt multilayer nanodot. *Journal of Applied Physics*, **2008**, 103, 07C501	2.5	19
174	Energy Barrier Enhanced by Higher Order Magnetic Anisotropy Terms. *Japanese Journal of Applied Physics*, **2003**, 42, L455-L457	1.4	18
173	Ni80Fe20 permalloy nanoparticles: Wet chemical preparation, size control and their dynamic permeability characteristics when composited with Fe micron particles. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 4057-4062	2.8	17
172	On Magnetization Reversal of CoCr Films with Perpendicular Anisotropy. *Japanese Journal of Applied Physics*, **2001**, 40, 4019-4022	1.4	17
171	Observation of high density recording states using magnetic fine particles made by sputtering method. *Journal of Magnetism and Magnetic Materials*, **1994**, 130, 384-390	2.8	17
170	A Study of the Magnetic Domains of Isolated Fine Particles of Ba Ferrite. *Japanese Journal of Applied Physics*, **1988**, 27, 2274-2277	1.4	17
169	Noise from underlayer of perpendicular magnetic recording medium. *Journal of Applied Physics*, **1985**, 57, 3925-3927	2.5	17
168	Permeability of submicron and nanometer ferromagnetic particle composites. *Journal of Applied Physics*, **2007**, 101, 09M505	2.5	16
167	Temperature and field direction dependences of first-order reversal curve (FORC) diagrams of hot-deformed Nd-Fe-B magnets. *Journal of Magnetism and Magnetic Materials*, **2018**, 447, 110-115	2.8	15
166	StonerWohlfarth Like Magnetization Switching in Very Small Co/Pt Nanodots under the Assistance of Radio Frequency Magnetic Field. *Applied Physics Express*, **2013**, 6, 053006	2.4	15
165	Dot arrays of L11 type CoPt ordered alloy perpendicular films. *Journal of Applied Physics*, **2009**, 105, 07C109	2.5	15
164	Significant Reduction of Switching Field and its Distribution in Co/Pt Nanodots with Assistance of Radio Frequency Field. *Applied Physics Express*, **2012**, 5, 093005	2.4	15
163	The critical size between single domain and multidomain in L10-FePt particles. *Journal of Applied Physics*, **2008**, 103, 07D511	2.5	15
162	Brillouin light scattering from spin waves in Co100CrCrx alloy films. *Journal of Magnetism and Magnetic Materials*, **2000**, 221, 261-267	2.8	15
161	Vertical magnetization process in sub-micron permalloy dots. *IEEE Transactions on Magnetics*, **2001**, 37, 2082-2084	2	15
160	First-order reversal curve analysis of a Nd-Fe-B sintered magnet with soft X-ray magnetic circular dichroism microscopy. *Acta Materialia*, **2019**, 162, 1-9	8.4	15
159	Production of Magnetically Soft Submicron Particles From Aqueous Solutions and Characterization. *IEEE Transactions on Magnetics*, **2009**, 45, 4298-4301	2	14

158	Dry-etching damage to magnetic anisotropy of Co-Pt dot arrays characterized using anomalous Hall effect. *Journal of Applied Physics*, **2012**, 111, 07B908	2.5	14
157	Improvement in Magnetoresistance of Very Thin Permalloy Films by Post-Annealing. *Japanese Journal of Applied Physics*, **1994**, 33, L1304-L1306	1.4	14
156	Magnetization reversal process and bistability of CoPt multilayer dot. *Journal of Applied Physics*, **2008**, 103, 07C510	2.5	13
155	Magnetic Anisotropy of Co-M-Pt (${rm M}={rm Cr}$, Mo, Ru, W, Re) Perpendicular Films Deposited on Various Seed Layer Materials. *IEEE Transactions on Magnetics*, **2007**, 43, 2106-2108	2	13
154	Thermal stability and recording writability of hard/soft stacked perpendicular media. *Journal of Applied Physics*, **2006**, 99, 08G913	2.5	13
153	Observations on Perpendicular Magnetic Recordings of High Recording Densities on Co-Cr Films by the Colloid-SEM Method. *Japanese Journal of Applied Physics*, **1986**, 25, 1358-1364	1.4	13
152	The effect of Ti underlayer on magnetic properties of Co-Cr thin films. *IEEE Transactions on Magnetics*, **1987**, 23, 2797-2799	2	13
151	Microwave-Assistance Effect on Magnetization Switching in Antiferromagnetically Coupled CoCrPt Granular Media. *IEEE Transactions on Magnetics*, **2016**, 52, 1-3	2	12
150	Temperature dependent magnetization reversal process of a Ga-doped Nd-Fe-B sintered magnet based on first-order reversal curve analysis. *Acta Materialia*, **2019**, 178, 90-98	8.4	12
149	Theory and Experiment of Microwave-Assisted Magnetization Switching in Perpendicular Magnetic Nanodots. *IEEE Transactions on Magnetics*, **2014**, 50, 83-88	2	12
148	Frequency and Time Dependent Microwave Assisted Switching Behaviors of Co/Pt Nanodots. *Applied Physics Express*, **2012**, 5, 043001	2.4	12
147	Dot arrays of L10-type FePt ordered alloy perpendicular films fabricated using low-temperature sputter film deposition. *Journal of Applied Physics*, **2011**, 109, 07B726	2.5	12
146	Nucleation size of hcp-CoPt dot arrays characterized by time dependence of coercivity. *Journal of Physics: Conference Series*, **2010**, 200, 102003	0.3	12
145	The anisotropy field of FePt L10nanoparticles controlled by very thin Pt layer. *Journal of Physics Condensed Matter*, **2004**, 16, 2109-2114	1.8	12
144	Direct observation of magnetically induced phase separation in Co-W sputtered thin films. *Applied Physics Letters*, **2004**, 85, 2559-2561	3.4	12
143	Magnetization reversal process in FePt L10 nanoparticles. *Scripta Materialia*, **2005**, 53, 395-401	5.6	12
142	The effects of buffer layers on the crystalline structures and magnetic properties of Co-rich Co-Fe and Co-Fe-Al films. *Journal Physics D: Applied Physics*, **1995**, 28, 1778-1784	3	12
141	Magnetic and crystallographic study of Co electrodeposited alumite films. *Journal of Applied Physics*, **1993**, 73, 5391-5393	2.5	12

140	Inverse Tunnel Magnetocapacitance in Fe/Al-oxide/FeO. *Scientific Reports*, **2017**, 7, 2682	4.9	11
139	Generation of nanosecond magnetic pulse field for switching experiments on a single Co/Pt nanodot. *Journal of Applied Physics*, **2009**, 105, 07D506	2.5	11
138	Crystal structure and magnetic properties of Fe (111) singe crystal films. *Journal of Applied Physics*, **1997**, 81, 344-349	2.5	11
137	Magnetic properties of CoPtCo hard/soft stacked dot arrays. *Journal of Applied Physics*, **2008**, 103, 07C504	2.5	11
136	Magnetization behavior of nanomagnets for patterned media application. *Journal of Magnetism and Magnetic Materials*, **2008**, 320, 2874-2879	2.8	11
135	Temperature dependence of interlayer coupling in Fe/Si superlattices. *IEEE Transactions on Magnetics*, **1998**, 34, 906-908	2	11
134	Effect of lattice distortion on magnetic and electronic state of α-Fe16N2. *Journal of Applied Physics*, **1999**, 85, 4952-4954	2.5	11
133	Magnon Brillouin Scattering from an Amorphous CoNbZr Thin Film. *Japanese Journal of Applied Physics*, **1994**, 33, 3927-3928	1.4	11
132	. *IEEE Transactions on Magnetics*, **1990**, 26, 2676-2678	2	11
131	Novel torque magnetometry for uniaxial anisotropy constants of thin films and its application to FePt granular thin films. *Applied Physics Express*, **2018**, 11, 033002	2.4	10
130	Effect of dipole interaction on microwave assisted magnetization switching. *Journal of Applied Physics*, **2010**, 107, 033904	2.5	10
129	Fabrication of L11-type (CoNi)Pt ordered alloy films by sputter deposition. *Journal of Applied Physics*, **2009**, 105, 07B726	2.5	10
128	Recording Resolution and Writability for (Co-Pt)-SiO$_{2}$/Co-SiO $_{2}$ Hard/Soft-Stacked Granular Perpendicular Media. *IEEE Transactions on Magnetics*, **2007**, 43, 2103-2105	2	10
127	Effect of reaction time on formation of CoNi particles prepared via the polyol method. *Metals and Materials International*, **2007**, 13, 207-210	2.4	10
126	Sharrock Relation for Perpendicular Recording Media with Higher-Order Magnetic Anisotropy Terms. *Japanese Journal of Applied Physics*, **2004**, 43, L115-L117	1.4	10
125	Co-Mo and Co-Mo-Cr alloy thin films promising for magnetic recording. *IEEE Transactions on Magnetics*, **2005**, 41, 918-920	2	10
124	Ku2 magnetic anisotropy term of CoPtCrSiO2 media for high density recording. *Journal of Applied Physics*, **2005**, 97, 10N111	2.5	10
123	Thermodynamic calculations of the effect of B and Ta on magnetically induced phase separation in CoCrPt alloys. *Applied Physics Letters*, **2002**, 80, 2704-2706	3.4	10

122	Measurement of perpendicular giant magnetoresistance of Fe/Si superlattices. *Applied Physics Letters*, **1998**, 72, 495-497	3.4	10
121	. *IEEE Transactions on Magnetics*, **1989**, 25, 2607-2611	2	10
120	Magnetic characteristics and nanostructures of FePt granular films with GeO2 segregant. *Applied Physics Letters*, **2017**, 110, 022402	3.4	9
119	Amorphous Submicron Particle Chains With High Permeability. *IEEE Transactions on Magnetics*, **2011**, 47, 2831-2834	2	9
118	Uniaxial magnetic anisotropy in Co and CoPt based perpendicular films in relation to lattice deformation. *Journal of Applied Physics*, **2008**, 103, 07F524	2.5	9
117	Interdiffused Layers in Antiferromagnetically Coupled Fe/Si Multilayers Studied by Soft-X-Ray Fluorescence Spectroscopy. *Japanese Journal of Applied Physics*, **2004**, 43, 4327-4333	1.4	9
116	Magnetization reversal in magnetostatically coupled dot arrays. *Journal of Applied Physics*, **2002**, 91, 6952	2.5	9
115	Energy barrier analysis of Nd-Fe-B thin films. *Journal of Applied Physics*, **2015**, 117, 17B514	2.5	8
114	High permeability and electromagnetic noise suppression characteristics of FeBP sub-micron particle chains and their composites with NiZn ferrite nanoparticles. *Journal of Alloys and Compounds*, **2013**, 554, 414-418	5.7	8
113	Quantized spin waves in single Co/Pt dots detected by anomalous Hall effect based ferromagnetic resonance. *Applied Physics Letters*, **2014**, 105, 242405	3.4	8
112	Magnetization Switching Experiments on Sub-Micron Co/Pt Multilayer Dot Using a Pulse Field Generator With Nanoseconds Duration. *IEEE Transactions on Magnetics*, **2008**, 44, 3446-3449	2	8
111	Magnetically induced two-phase separation in CoGe and CoSi systems. *Journal of Magnetism and Magnetic Materials*, **2002**, 239, 409-411	2.8	8
110	Study of NiO/NiFe/Cu/NiFe spin valves. *Journal of Magnetism and Magnetic Materials*, **1996**, 164, 43-48	2.8	8
109	A Convenient Method for Estimating the Inclination of Recorded Magnetization Using the Bitter Technique. *Japanese Journal of Applied Physics*, **1991**, 30, L739-L741	1.4	8
108	Ferromagnetic Resonance of a Single Magnetochiral Metamolecule of Permalloy. *Physical Review Applied*, **2016**, 6,	4.3	7
107	Crystal structures and magnetic properties of epitaxial CoW perpendicular films. *Journal of Magnetism and Magnetic Materials*, **2013**, 334, 119-123	2.8	7
106	Co/Pt multilayer dot switching experiments with sub-nanosecond pulse field. *Journal of Applied Physics*, **2011**, 109, 07B904	2.5	7
105	Study of Permeability for Composites Including Fe, NiZn Ferrite and Fe-B-P Particles. *IEEE Transactions on Magnetics*, **2011**, 47, 3160-3162	2	7

104	Magnetic anisotropy of epitaxially grown Co and its alloy thin films. *Journal of Physics Condensed Matter*, **2009**, 21, 185008	1.8	7
103	Magnetic anisotropy ofL11-type (Co1-XMX)50Pt50(M:Ni, Fe, Cr, Mn) and Co50(Pt1-XPdX)50ordered alloy perpendicular films. *Journal of Physics: Conference Series*, **2010**, 200, 102002	0.3	7
102	. *IEEE Transactions on Magnetics*, **2006**, 42, 3883-3885	2	7
101	Brillouin light scattering from spin waves in epitaxial hcp Co films. *Physical Review B*, **2003**, 67,	3.3	7
100	. *IEEE Transactions on Magnetics*, **1989**, 25, 4177-4179	2	7
99	Robustness of Voltage-induced Magnetocapacitance. *Scientific Reports*, **2018**, 8, 14709	4.9	7
98	Quasi-ballistic magnetization switching in Co/Pt dots with perpendicular magnetization. *Applied Physics Letters*, **2014**, 104, 112409	3.4	6
97	Magnetic properties of thin hard/soft-stacked dot arrays with a large uniaxial magnetic anisotropy. *Journal of Applied Physics*, **2009**, 105, 07C103	2.5	6
96	Assembly of FePt L10 nanoparticles grown on MgO(110) with self-organized groove structure. *Journal of Applied Physics*, **2004**, 96, 5217-5221	2.5	6
95	Brillouin light scattering from collective spin waves in Fe□□O granular films. *Journal of Magnetism and Magnetic Materials*, **2004**, 268, 257-263	2.8	6
94	CoPtCr-SiO/sub 2/ perpendicular media for high density recording with a high order magnetic anisotropy energy term. *IEEE Transactions on Magnetics*, **2005**, 41, 3175-3177	2	6
93	Magnetization reversal processes in submicron Co dots and antidots arrays. *Journal of Magnetism and Magnetic Materials*, **1999**, 198-199, 483-485	2.8	6
92	Magnetotransport properties of submicron exchange coupled Fe19Ni81/NiO wires. *Journal of Magnetism and Magnetic Materials*, **1999**, 198-199, 434-436	2.8	6
91	Properties of Fe(001) Single-Crystal Films Grown by Sputter Beam Method. *Japanese Journal of Applied Physics*, **1994**, 33, 6164-6167	1.4	6
90	Magnetic recording patterns of obliquely evaporated Co-O thin films observed by using ultrafine Co particles. *Journal of Applied Physics*, **1994**, 76, 3177-3180	2.5	6
89	. *IEEE Transactions on Magnetics*, **1988**, 24, 2353-2355	2	6
88	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
87	Detection of elemental magnetization reversal events in a micro-patterned Nd-Fe-B hot-deformed magnet. *AIP Advances*, **2019**, 9, 125052	1.5	6

86	Microwave-assisted switching in CoCrPt granular medium under continuous microwave fields. *Journal of Applied Physics*, **2019**, 126, 083908	2.5	5
85	Effect of annealing on magnetic properties of Ni80Fe20 permalloy nanoparticles prepared by polyol method. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 10796-9	1.3	5
84	Bistability Condition of Circular Nanomagnet. *Applied Physics Express*, **2009**, 2, 123002	2.4	5
83	Magnetic and structural properties ofL11type CoPt-C ordered alloy perpendicular films as a function of C content. *Journal of Physics: Conference Series*, **2010**, 200, 102008	0.3	5
82	Epitaxially grown L10-FePt/(C, SiO2, and Al2O3) granular films. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 2367-2368	2.8	5
81	CoPtCr-SiO2 media with Ku2 magnetic anisotropy term fabricated with Pd seed layers. *Journal of Applied Physics*, **2006**, 99, 08G907	2.5	5
80	Magnetic Anisotropy Energy of L10 CoPt-B Thin Films Elongated c-axis. *Materials Transactions*, **2003**, 44, 1514-1517	1.3	5
79	Fabrication of two-dimensional assembly of L10FePt nanoparticles. *Journal of Applied Physics*, **2003**, 93, 7759-7761	2.5	5
78	Magnetic characterization of Co-Pt particles produced by sputtering. *Scripta Materialia*, **2001**, 44, 1327-1331	3.1	5
77	Antiferromagnetic coupling in Co/Ge superlattices. *Journal of Physics Condensed Matter*, **1999**, 11, L133-L137	1.8	5
76	Co-P Electrodeposited Alumite Films with In-Plane Magnetization. *Japanese Journal of Applied Physics*, **1990**, 29, 1675-1679	1.4	5
75	Study of Molecular Doping of Chlorine on MoS Field Effect Transistor Device in Ultrahigh Vacuum Conditions. *ACS Omega*, **2020**, 5, 28108-28115	3.9	5
74	Addition of Ru to L10-FePt thin film to lower Curie temperature. *Applied Physics Express*, **2016**, 9, 123002	2.4	5
73	Spin transfer torque switching of Co/Pd multilayers and Gilbert damping of Co-based multilayers. *Japanese Journal of Applied Physics*, **2018**, 57, 09TD01	1.4	5
72	Influence of intergrain interactions and thermal agitation on microwave-assisted magnetization switching behavior of granular magnetic film. *Applied Physics Express*, **2017**, 10, 023004	2.4	4
71	Large Negative Magnetic Anisotropy of W/Fe/W (001) Epitaxial Trilayers. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	4
70	Temperature dependence of the magnetic properties of L11-type CoNiPt ordered alloy films for thermally assisted recording media. *Journal of Applied Physics*, **2011**, 110, 013918	2.5	4
69	Enhanced grain growth of magnetic granules in Co/oxide granular films. *Journal of Magnetism and Magnetic Materials*, **2001**, 235, 165-168	2.8	4

68	Synthesis of Co/sub 100-x/Pt/sub x/ alloy fine particles with high coercivity. *IEEE Transactions on Magnetics*, **2001**, 37, 1295-1298	2	4
67	Magnetic surface anisotropy of fcc-Co-Fe[111]/Pd multilayers. *IEEE Transactions on Magnetics*, **1999**, 35, 3031-3033	2	4
66	Distinct Duplex Oxide Scale of Surface-Oxidized Co-Cr Film Observed by Auger Electron Spectroscopy. *Japanese Journal of Applied Physics*, **1991**, 30, L486-L488	1.4	4
65	Application of the colloid-SEM method to observations on perpendicular magnetic recordings. *IEEE Transactions on Magnetics*, **1987**, 23, 2365-2367	2	4
64	Experimental investigation of off-stoichiometry and 3d transition metal (Mn, Ni, Cu)-substitution in single-crystalline FePt thin films. *AIP Advances*, **2016**, 6, 056011	1.5	4
63	Significant modification of perpendicular magnetic anisotropy of W/Fe(001) multilayer by controlling in-plane lattice constant. *Applied Physics Express*, **2017**, 10, 063005	2.4	3
62	Time and Spatially Resolved Hard X-Ray MCD Measurement on a Co/Pt Multilayer Dot Excited by Pulsed RF Field. *IEEE Transactions on Magnetics*, **2018**, 54, 1-6	2	3
61	Granular nanostructures and magnetic characteristics of FePt-TiO2/FePt-C stacked granular films. *Journal of Applied Physics*, **2014**, 115, 17B709	2.5	3
60	Magnetic behavior of single nanostructured magnet. *Journal of Physics: Conference Series*, **2009**, 165, 012029	0.3	3
59	Additive Effects of AlN and MgO on FePt Nanoparticle Assembly. *Materials Transactions*, **2006**, 47, 43-46	1.3	3
58	Study of Interdiffused Layers Near the Surface of Multilayers by Total-Reflection Soft-X-ray Fluorescence Spectroscopy. *Japanese Journal of Applied Physics*, **2004**, 43, 4334-4337	1.4	3
57	Fabrication of two-dimensional assembly of L10 FePt particles. *Journal of Magnetism and Magnetic Materials*, **2003**, 262, 329-338	2.8	3
56	Lubrication of surface oxidized Co□Cr thin films by phosphoric and phosphorous acid esters. *Journal of Magnetism and Magnetic Materials*, **2001**, 235, 179-182	2.8	3
55	Study of the barrier height in exchange coupled Fe/Fe1−xSix (x>0.70) multilayers. *Journal of Applied Physics*, **2000**, 87, 6836-6838	2.5	3
54	Effect of thermal fluctuation on reversal field of magnetic fine particle with surface anisotropy. *IEEE Transactions on Magnetics*, **2000**, 36, 3205-3207	2	3
53	Effect of buffer layer on antiferromagnetic grain size and exchange-coupling field of Cr70Al30/Fe19Ni81 bilayers. *Journal of Applied Physics*, **1998**, 83, 7213-7215	2.5	3
52	Crystal Structure and Magnetoresistance of Fe10Ni90Films Deposited by Sputter-Beam Method. *Japanese Journal of Applied Physics*, **1993**, 32, L1222-L1224	1.4	3
51	Physical Properties of Crystalline Films Prepared by Sputtering in Low Impurity Atmosphere. *Japanese Journal of Applied Physics*, **1994**, 33, 2015-2018	1.4	3

50	Magnetic Properties and Microstructures of Fe-Polyethylene Co-Evaporated Films. *Japanese Journal of Applied Physics*, **1990**, 29, 860-863	1.4	3
49	CoCr-Polyethylene Co-Evaporated Films. *Japanese Journal of Applied Physics*, **1988**, 27, L687-L689	1.4	3
48	Layer-selective microwave-assisted magnetization switching in a dot of double antiferromagnetically coupled (AFC) layers. *Applied Physics Letters*, **2018**, 112, 162404	3.4	3
47	Tunnel magnetocapacitance in Fe/MgF2 single nanogranular layered films. *Applied Physics Letters*, **2020**, 116, 082401	3.4	2
46	Pulse Rise Time Dependence of Switching Field of Co/Pt Multilayer Dot. *Electronics and Communications in Japan*, **2013**, 96, 9-14	0.4	2
45	Remanence coercivity of dot arrays of hcp-CoPt perpendicular films. *Journal of Physics: Conference Series*, **2010**, 200, 102005	0.3	2
44	Ferromagnetic Resonance in Epitaxial α-martensite Fe$_{16}$N$_2$ Films. *Japanese Journal of Applied Physics*, **1997**, 36, 4305-4306	1.4	2
43	Magnetoresistance and Interlayer Coupling in Co-Pt/Cu/Permalloy Sandwiches. *Japanese Journal of Applied Physics*, **1995**, 34, 492-496	1.4	2
42	Isotropic soft magnetic properties of CoFeAlCu films with (111) orientation. *Journal of Applied Physics*, **1996**, 79, 1625-1629	2.5	2
41	Influence of Self-Reorientation Effect on Isothermal and DC Demagnetization Remanence Curves. *Japanese Journal of Applied Physics*, **1993**, 32, 3448-3454	1.4	2
40	An Experiment for Estimating Inclination of Recorded Magnetization in an Obliquely Metal-Evaporated Tape by Using the Bitter Pattern Technique. *Japanese Journal of Applied Physics*, **1991**, 30, L1279-L1281	1.4	2
39	Brillouin scattering in Fe-polyethylene co-evaporated films. *Journal of Magnetism and Magnetic Materials*, **1992**, 104-107, 1835-1836	2.8	2
38	Anomalous Hall Effect Measurement on Nanostructure with Magnetic Pulse Fields. *Materials Transactions*, **2016**, 57, 789-795	1.3	2
37	Size dependence of switching behavior in single epitaxial Co/Pt multilayer nanodots. *Japanese Journal of Applied Physics*, **2016**, 55, 07MC01	1.4	2
36	Frequency dependence of microwave-assisted switching in CoCrPt granular perpendicular media. *Japanese Journal of Applied Physics*, **2018**, 57, 09TE02	1.4	2
35	Microwave Spectroscopy of a Single Permalloy Chiral Metamolecule on a Coplanar Waveguide. *Physical Review Applied*, **2018**, 9,	4.3	2
34	Magnetic Anisotropy and Crystal Domain Variant in $ {L} 1_{{0}}$ -FePt Polycrystalline Films. *IEEE Transactions on Magnetics*, **2016**, 52, 1-3	2	1
33	Fabrication of (Co $_{1-{rm x}}$Fe $_{rm x}$)-B Particles With Magnetic Softness. *IEEE Transactions on Magnetics*, **2012**, 48, 2903-2906	2	1

32	Uniform Magnetic Dot Fabrication by Nanoindentation Lithography. *Japanese Journal of Applied Physics*, **2011**, 50, 046505	1.4	1
31	Switching time of a single spin in linearly varying field. *Journal of Applied Physics*, **2012**, 111, 123907	2.5	1
30	Large Uniaxial Magnetic Anisotropy in Co100-XPtX/Ru Disordered Perpendicular Films **2006**,		1
29	Enhanced Initial Permeability of Composite Assembly of Ferromagnetic Particles **2006**,		1
28	Coercivity Control of FePt Nanoparticles by Interfacial Disorder. *Materials Transactions*, **2006**, 47, 38-42	1.3	1
27	RF permeability of the fiber structure in ferromagnetic metal/oxide films deposited by co-evaporation. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 1419-1420	2.8	1
26	Observation of Magnetic Domain Structure in FePt (001) Films by Electron Holography and Lorentz Microscopy. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2004**, 68, 315-319	0.4	1
25	Nanostructure of CoPtCr–SiO2 Granular Films for Magnetic Recording Media. *Materials Transactions*, **2005**, 46, 1802-1806	1.3	1
24	Response to □comment on □determination of first and second magnetic anisotropy constants of magnetic recording media□[Appl. Phys. Lett. 79, 1733 (2001)]. *Applied Physics Letters*, **2001**, 79, 1734-1734	3.4	1
23	SiL2,3 EMISSION SPECTRA FROM THE INTERFACES IN ANTIFERROMAGNETICALLY COUPLED Fe/Si MULTILAYERS. *Surface Review and Letters*, **2002**, 09, 669-673	1.1	1
22	Origin of perpendicular magnetic anisotropy of Ni-polyethylene coevaporated films. *Journal of Applied Physics*, **1993**, 74, 7443-7449	2.5	1
21	ANOMALOUS WEAR OF STEEL-BALL SLIDERS IN DURABILITY TEST. *Journal of the Magnetics Society of Japan*, **1991**, 15, S2_773-777		1
20	CO-EVAPORATED Ni-POLYETHYLENE PERPENDICULAR ANISOTROPY FILMS PREPARED AT ROOM TEMPERATURE. *Journal of the Magnetics Society of Japan*, **1989**, 13, S1_369-373		1
19	Influence of oxygen on recording characteristics in vacuum-evaporated Co-Cr thin films. *Journal of Applied Physics*, **1988**, 63, 2908-2910	2.5	1
18	Pulse Rise Time Dependence of Switching Field of Co/Pt Multilayer Dot. *IEEJ Transactions on Fundamentals and Materials*, **2012**, 132, 838-843	0.2	1
17	Correlation between Switching Field and Microstructure of Individual Co/Pt Dots. *Japanese Journal of Applied Physics*, **2012**, 51, 103002	1.4	1
16	Confirmation of Hard Magnetic L10 FeNi Phase Precipitated in FeNiSiBPCu Alloy by Anomalous X-Ray Diffraction. *IEEE Transactions on Magnetics*, **2018**, 54, 1-5	2	1
15	Imaging of transient magnetization dynamics of Co/Pt multilayer dots with X-ray magnetic circular dichroism excited by microwaves. *Japanese Journal of Applied Physics*, **2020**, 59, SEED03	1.4	

14	Magnetization Reversal of Nd-Fe-B Thin Film under a Nanosecond Pulse Magnetic Field. *Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi)*, **2018**, 203, 3-8	0.4
13	Magnetization Reversal of Single Co/Pd Multilayer Nanodot by Nanoseconds Pulse Field. *Journal of Physics: Conference Series*, **2011**, 266, 012083	0.3
12	Evolution of magnetic domain patterns at low temperature. *Journal of Magnetism and Magnetic Materials*, **1997**, 173, 185-192	2.8
11	Thermal stability and switching field of hard/soft-stacked perpendicular media. *Journal of Magnetism and Magnetic Materials*, **2008**, 320, 3088-3091	2.8
10	Magnetic softness of permalloy granular films produced by Co-evaporation. *IEEE Transactions on Magnetics*, **2005**, 41, 3274-3276	2
9	EVALUATION OF INCLINATION OF MAGNETIZATION ON A LONGITUDINALLY RECORDED TAPE BY THE BITTER PATTERN TECHNIQUE. *Journal of the Magnetics Society of Japan*, **1991**, 15, S2_343-348	
8	Switching Mechanism of Co-Cr Single-Layer Thin Films. *IEEE Translation Journal on Magnetics in Japan*, **1988**, 3, 838-847	
7	Epitaxial Growth of Co-Cr-M (M = Pt, Ta) Bicrystal Films. *Journal of the Magnetics Society of Japan*, **1997**, 21, S2_545-548	
6	Radio Frequency Field Dependence of Microwave Assisted Switching Behaviors of Co/Pt Nanodots. *IEEJ Transactions on Fundamentals and Materials*, **2015**, 135, 229-234	0.2
5	Evaluation of Damping Constants for Co/Pt Multilayers and CoPt Alloy Films. *IEEJ Transactions on Fundamentals and Materials*, **2016**, 136, 317-323	0.2
4	Magnetization Reversal of Nd-Fe-B Thin Film under a Nano-second Pulse Magnetic Field. *IEEJ Transactions on Fundamentals and Materials*, **2017**, 137, 374-379	0.2
3	Uniform Magnetic Dot Fabrication by Nanoindentation Lithography. *Japanese Journal of Applied Physics*, **2011**, 50, 046505	1.4
2	Radio Frequency Field Dependence of Microwave-Assisted Switching Behaviors of Co/Pt Nanodots. *Electronics and Communications in Japan*, **2016**, 99, 79-85	0.4
1	Variation of Magnetization Dynamics of Co/Ni Multilayer by Capturing Magnetic Nanoparticles. *IEEE Transactions on Magnetics*, **2018**, 54, 1-4	2