D J Sellmyer

List of Publications by Year in Descending Order

283 papers	8,254 citations	46 h-index	79 g-index
286 ext. papers	8,533 ext. citations	2.7 avg, IF	5.66 L-index

#	Paper	IF	Citations
283	Crystal Structure and Dzyaloshinski□Moriya Micromagnetics. *IEEE Transactions on Magnetics*, **2019**, 55, 1-5	2	10
282	Noncollinear spin structure in Fe3+xCo3□Ti2 (x=0,2,3) from neutron diffraction. *Physical Review Materials*, **2019**, 3,	3.2	2
281	Structural and magnetic properties of Co-V nanoparticles. *AIP Advances*, **2019**, 9, 125144	1.5	1
280	Boundary conditions and Berry phase in magnetic nanostructures. *AIP Advances*, **2019**, 9, 125049	1.5	
279	Structural, magnetic, and electron-transport properties of epitaxial Mn2PtSn films. *Journal of Applied Physics*, **2018**, 124, 103903	2.5	8
278	Theory of Mn-Based High-Magnetization Alloys. *IEEE Transactions on Magnetics*, **2018**, 54, 1-6	2	6
277	Half-metallic magnetism in Ti3Co5-xFexB2. *AIP Advances*, **2017**, 7, 055713	1.5	1
276	Effect of Fe substitution on the structural, magnetic and electron-transport properties of half-metallic Co2TiSi. *AIP Advances*, **2017**, 7, 055812	1.5	13
275	Exploring new phases of Fe3□CoxC for rare-earth-free magnets. *Journal Physics D: Applied Physics*, **2017**, 50, 215005	3	6
274	Effect of disorder on the resistivity of CoFeCrAl films. *AIP Advances*, **2017**, 7, 055834	1.5	11
273	Cooperative and noncooperative magnetization reversal in alnicos. *AIP Advances*, **2017**, 7, 056222	1.5	1
272	Nonadiabatic Berry phase in nanocrystalline magnets. *AIP Advances*, **2017**, 7, 055802	1.5	1
271	Structural disorder and magnetism in the spin-gapless semiconductor CoFeCrAl. *AIP Advances*, **2016**, 6, 056304	1.5	31
270	Micromagnetism of MnBi:FeCo thin films. *Journal Physics D: Applied Physics*, **2016**, 49, 075003	3	5
269	Exchange-coupling behavior in nanostructured FePt/Fe bilayer films. *AIP Advances*, **2016**, 6, 056010	1.5	5
268	Direct gas-phase formation of complex core□shell and three-layer MnBi nanoparticles. *RSC Advances*, **2016**, 6, 92765-92770	3.7	6
267	Synthesis and magnetism of single-phase Mn-Ga films. *Journal of Applied Physics*, **2015**, 117, 17E306	2.5	8

266	Magnetism of hexagonal Mn1.5X0.5Sn (X = Cr, Mn, Fe, Co) nanomaterials. *Journal of Applied Physics*, **2015**, 117, 17D115	2.5	9
265	Ferromagnetism in Laves-phase WFe2 nanoparticles. *APL Materials*, **2015**, 3, 076101	5.7	5
264	From FePt□e3O4 to L10-FePt□e nanocomposite magnets with a gradient interface. *Journal of Materials Chemistry C*, **2015**, 3, 7075-7080	7.1	39
263	Effect of Co substitution on the magnetic and electron-transport properties of Mn2PtSn. *Journal of Physics Condensed Matter*, **2015**, 27, 076002	1.8	11
262	Kondorski reversal in magnetic nanowires. *Journal of Applied Physics*, **2014**, 115, 17D137	2.5	10
261	Hf-Co and Zr-Co alloys for rare-earth-free permanent magnets. *Journal of Physics Condensed Matter*, **2014**, 26, 064204	1.8	64
260	Permanent magnetism of intermetallic compounds between light and heavy transition-metal elements. *Journal of Physics Condensed Matter*, **2014**, 26, 064209	1.8	23
259	Direct chemical synthesis of L1(0)-FePtAu nanoparticles with high coercivity. *Nanoscale*, **2014**, 6, 12050-5	7.7	47
258	Exploring the structural complexity of intermetallic compounds by an adaptive genetic algorithm. *Physical Review Letters*, **2014**, 112, 045502	7.4	78
257	Structural, magnetic, and electron transport properties of Mn3□PtxSn (x = 0, 0.5, 1) nanomaterials. *Journal of Applied Physics*, **2014**, 115, 17A923	2.5	8
256	Monodisperse MPt (M = Fe, Co, Ni, Cu, Zn) nanoparticles prepared from a facile oleylamine reduction of metal salts. *Nano Letters*, **2014**, 14, 2778-82	11.5	137
255	Solubility extension and phase formation in gas-condensed Co□W nanoclusters. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	8
254	Predicting the Future of Permanent-Magnet Materials. *IEEE Transactions on Magnetics*, **2013**, 49, 3215-3220	2	150
253	Magnetic and Structural Properties of Rapidly Quenched Tetragonal Mn $_{3 - {rm x}}$Ga Nanostructures. *IEEE Transactions on Magnetics*, **2013**, 49, 3277-3280	2	33
252	Magnetism of MnBi-Based Nanomaterials. *IEEE Transactions on Magnetics*, **2013**, 49, 3318-3321	2	24
251	${rm HfCo}_{7}$-Based Rare-Earth-Free Permanent-Magnet Alloys. *IEEE Transactions on Magnetics*, **2013**, 49, 3330-3333	2	31
250	Magnetism of Rapidly Quenched Sm$_{1 - {rm x}}$Zr$_{{rm x}}$Co$_{5}$ Nanocrystalline Materials. *IEEE Transactions on Magnetics*, **2013**, 49, 3353-3355	2	
249	Hf Doping Effect on Hard Magnetism of Nanocrystalline Zr$_{18hbox{-}{rm x}}$Hf$_{rm x}$Co$_{82}$ Ribbons. *IEEE Transactions on Magnetics*, **2013**, 49, 3394-3397	2	12

248	Intrinsic Properties of Fe-Substituted $L1_{0}$ Magnets. *IEEE Transactions on Magnetics*, **2013**, 49, 5194-5198	2.1	21
247	One-pot synthesis of urchin-like FePd-Fe3O4 and their conversion into exchange-coupled L1(0)-FePd-Fe nanocomposite magnets. *Nano Letters*, **2013**, 13, 4975-9	11.5	82
246	Finite-Temperature Micromagnetism. *IEEE Transactions on Magnetics*, **2013**, 49, 3229-3232	2	11
245	Structural and magnetic properties of Pr-alloyed MnBi nanostructures. *Journal Physics D: Applied Physics*, **2013**, 46, 095003	3	32
244	Effect of Exchange Interactions on the Coercivity of SmCo5 Nanoparticles Made by Cluster Beam Deposition. *Advanced Functional Materials*, **2013**, 23, 3262-3267	15.6	30
243	Structure and magnetism of dilute Co(Zr) nanoclusters. *Journal of Applied Physics*, **2013**, 113, 17B509	2.5	7
242	Magnetism of rapidly quenched rhombohedral Zr2Co11-based nanocomposites. *Journal Physics D: Applied Physics*, **2013**, 46, 135004	3	40
241	Magnetic Domain Structure of Nanocrystalline Zr18-xHfxCo82 Ribbons: Effect of Hf. *Materials Research Society Symposia Proceedings*, **2013**, 1557, 1		1
240	Susceptibility of Fe atoms in Cu clusters. *Journal of Applied Physics*, **2013**, 113, 17E148	2.5	5
239	Magnetism and electron transport of MnyGa (1 . *Journal of Applied Physics*, **2013**, 114, 013906	2.5	42
238	Structural, magnetic, and electron transport properties of MnBi:Fe thin films. *Journal of Applied Physics*, **2012**, 111, 07E326	2.5	27
237	Magnetism of dilute Co(Hf) and Co(Pt) nanoclusters. *Journal of Applied Physics*, **2012**, 111, 07B532	2.5	6
236	Ultrahard magnetic nanostructures. *Journal of Applied Physics*, **2012**, 111, 07E345	2.5	13
235	Nanomagnetic skyrmions. *Journal of Applied Physics*, **2012**, 111, 07E116	2.5	9
234	Structure and magnetic properties of Co-W clusters produced by inert gas condensation. *Journal of Applied Physics*, **2012**, 111, 07B524	2.5	11
233	Spin and elastic contributions to isothermal entropy change. *Journal of Applied Physics*, **2012**, 111, 07A931	2.5	5
232	L10 CrPt phase formation and magnetic properties. *Journal of Applied Physics*, **2012**, 111, 07D720	2.5	6
231	Structural and magnetic properties of Mn2+xTiSn. *Journal of Applied Physics*, **2012**, 111, 07B101	2.5	1

230	Hysteresis and relaxation in granular permanent magnets. *Journal of Applied Physics*, **2012**, 111, 07B507	2.5	
229	Aligned and exchange-coupled L10 (Fe,Co)Pt-based magnetic films. *Journal of Applied Physics*, **2012**, 111, 07B537	2.5	9
228	A quantum-mechanical relaxation model. *Journal of Applied Physics*, **2012**, 111, 07D507	2.5	1
227	Isothermal entropy changes in nanocomposite Co:Ni67Cu33. *Journal of Applied Physics*, **2012**, 111, 07A930	2.5	8
226	Assembly of uniaxially aligned rare-earth-free nanomagnets. *Applied Physics Letters*, **2012**, 101, 122407	3.4	66
225	Magnetism and structure of anatase (Ti1−xVx)O2 films. *Journal of Applied Physics*, **2012**, 111, 07C118	2.5	3
224	One-step fabrication of L10 FePt nanocubes and rods by cluster beam deposition. *Journal of Applied Physics*, **2012**, 111, 07B535	2.5	6
223	Aligned and exchange-coupled FePt-based films. *Applied Physics Letters*, **2011**, 99, 172504	3.4	46
222	Layered transition-metal permanent-magnet structures. *Journal of Applied Physics*, **2011**, 109, 07A714	2.5	1
221	Anisotropy of zigzag chains of palladium. *Journal of Applied Physics*, **2011**, 109, 07E322	2.5	4
220	Structure and magnetism of MnAu nanoclusters. *Journal of Applied Physics*, **2011**, 109, 07B523	2.5	6
219	Magnetic entropy changes in nanogranular Fe:Ni61Cu39. *Journal of Applied Physics*, **2011**, 109, 07A936	2.5	6
218	Anisotropy of W in Fe and Co. *IEEE Transactions on Magnetics*, **2011**, 47, 3336-3339	2	11
217	Synthesis of single-crystal Sm-Co nanoparticles by cluster beam deposition. *Journal of Nanoparticle Research*, **2011**, 13, 7005-7012	2.3	19
216	Structure and magnetic properties of annealed metastable FeAg/Pt films. *Applied Physics A: Materials Science and Processing*, **2011**, 103, 301-307	2.6	1
215	Transport spin polarization of high Curie temperature MnBi films. *Physical Review B*, **2011**, 83,	3.3	43
214	Spin correlations and electron transport in MnBi:Au films. *Journal of Applied Physics*, **2011**, 109, 07B709	2.5	18
213	Anisotropy of heavy transition metal dopants in Co. *Journal of Applied Physics*, **2011**, 109, 07A727	2.5	6

212	Effects of total thickness on (001) texture, surface morphology, and magnetic properties of [Fe/Pt]n multilayer films by monatomic layer deposition. *Journal of Applied Physics*, **2010**, 108, 073906	2.5	9
211	Magnetic anisotropy in itinerant magnets. *Journal of Applied Physics*, **2010**, 107, 09A735	2.5	23
210	Structural, magnetic and magneto-transport properties of Pt-alloyed MnBi thin films. *Journal of Applied Physics*, **2010**, 107, 09E303	2.5	25
209	Reversibility and coercivity of Fe-alloy/Fe:SiO2 multilayers. *Journal of Applied Physics*, **2010**, 107, 09E710	2.5	3
208	Magnetic susceptibility of nanoscale Kondo systems. *Journal of Applied Physics*, **2010**, 107, 09E126	2.5	4
207	Entropy localization in magnetic compounds and thin-film nanostructures. *Journal of Applied Physics*, **2010**, 107, 09A922	2.5	11
206	Permittivity and permeability of Fe(Tb) nanoparticles and their microwave absorption in the 2–18 GHz range. *Journal of Applied Physics*, **2010**, 107, 09A929	2.5	17
205	Magnetic properties of nickel hydroxide nanoparticles. *Journal of Applied Physics*, **2010**, 107, 083919	2.5	31
204	Magnetism of core-shell Ti:TiO nanoparticles. *Journal of Applied Physics*, **2010**, 107, 09B516	2.5	8
203	Permanent magnetism of dense-packed nanostructures. *Journal of Applied Physics*, **2010**, 107, 09A739	2.5	41
202	Structure and magnetism of Co:CoO core–shell nanoclusters. *Journal of Nanoparticle Research*, **2010**, 12, 789-794	2.3	8
201	Control of Coercivity in Exchange-Coupled Graded (001) $hbox{FePt}:hbox{SiO}_{2}$ Nanocomposite Films. *IEEE Transactions on Magnetics*, **2010**, 46, 2435-2437	2	7
200	Enhanced L10 Ordering and (001) Orientation in FePt: Ag Nanocomposite Films by Monatomic Layer Deposition. *IEEE Transactions on Magnetics*, **2010**, 46, 1817-1820	2	4
199	Graded permanent magnets. *Journal of Applied Physics*, **2009**, 105, 07A733	2.5	22
198	Magnetic correlations in nanocomposite FePt:Au and FePt:C films. *Journal of Applied Physics*, **2009**, 105, 07B736	2.5	7
197	Structure and Magnetism of Pure and Co-Doped TiO$_{2}$ Clusters. *IEEE Transactions on Magnetics*, **2009**, 45, 4089-4091	2	5
196	Magnetism of TiO and TiO2 nanoclusters. *Journal of Applied Physics*, **2009**, 105, 07C517	2.5	46
195	Synthesis and magnetic characterizations of manganite-based composite nanoparticles for biomedical applications. *Journal of Applied Physics*, **2008**, 103, 07F704	2.5	31

194	Nucleation and wall motion in graded media. *Journal of Applied Physics*, **2008**, 103, 07F531	2.5	46
193	Temperature- and field-induced entropy changes in nanomagnets. *Journal of Applied Physics*, **2008**, 103, 07B329	2.5	21
192	Magnetic properties of La0.6Sr0.4MnO3 thin films on SrTiO3 and buffered Si substrates with varying thickness. *Journal of Applied Physics*, **2008**, 103, 023914	2.5	51
191	Band-structure and correlation effects in the Co(111) planes of CoO. *Journal of Applied Physics*, **2008**, 103, 07C908	2.5	5
190	Proteresis in Co:CoO core-shell nanoclusters. *Journal of Applied Physics*, **2008**, 103, 07D514	2.5	10
189	Hysteresis of ultrasmall FePt particles. *Journal of Applied Physics*, **2008**, 103, 07E139	2.5	6
188	Structure, magnetic properties, and exchange coupling in thermally processed NdDyFeCoB/Fe nanoscale multilayer magnets. *Journal of Applied Physics*, **2008**, 103, 07E130	2.5	5
187	Dielectric and magnetic birefringence in low-chlorine-doped n -type Zn1 Mnx Se. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2008**, 5, 1007-1011		
186	Magnetization Reversal in Cubic Nanoparticles With Uniaxial Surface Anisotropy. *IEEE Transactions on Magnetics*, **2007**, 43, 2890-2892	2	9
185	Effective Demagnetizing Factors of Complicated Particle Mixtures. *IEEE Transactions on Magnetics*, **2007**, 43, 2956-2958	2	47
184	Ferromagnetic Multipods Fabricated by Solution Phase Synthesis and Hydrogen Reduction. *IEEE Transactions on Magnetics*, **2007**, 43, 3115-3117	2	2
183	Magnetic impurities in magic-number clusters. *Journal of Applied Physics*, **2007**, 101, 09G524	2.5	1
182	Temperature-dependent orbital-moment anisotropy in dilute magnetic oxides. *Physical Review B*, **2007**, 75,	3.3	12
181	Laser Processing of Magnetic Materials **2006**, 1045-1063		
180	Cluster-Assembled Nanocomposites **2006**, 207-238		9
179	Nanostructured Exchange-Coupled Magnets **2006**, 182-266		6
178	Intrinsic and Extrinsic Properties of Advanced Magnetic Materials **2006**, 1-57		6
177	Structural effects on exchange in nanocluster perpendicular recording mediaa). *Journal of Applied Physics*, **2006**, 99, 08F909	2.5	5

176	Finite-temperature anisotropy of magnetic alloys. *Journal of Applied Physics*, **2006**, 99, 08E916	2.5	36
175	Oxide-based dilute ferromagnetic semiconductors: ZnMnO and Co:TiO2. *Journal of Applied Physics*, **2006**, 99, 08M108	2.5	7
174	FePt clusters synthesized by thermal pyrolysis of Fe and Pt compounds in an organic solvent. *Journal of Applied Physics*, **2006**, 99, 08G704	2.5	9
173	Magnetic reversal in three-dimensional exchange-spring permanent magnets. *Journal of Applied Physics*, **2006**, 99, 08B508	2.5	15
172	Ferromagnetic resonance studies in ZnMnO dilute ferromagnetic semiconductors. *Journal of Applied Physics*, **2006**, 99, 08M116	2.5	14
171	Micromagnetic energy barriers. *Journal of Applied Physics*, **2006**, 99, 08B906	2.5	12
170	In-cluster-structured exchange-coupled magnets with high energy densities. *Applied Physics Letters*, **2006**, 89, 122509	3.4	27
169	Nanostructure and magnetic properties of highly (001) oriented L10 (Fe49Pt51)1 Cux films. *Journal of Applied Physics*, **2006**, 99, 08G903	2.5	36
168	Indirect exchange in dilute magnetic semiconductors. *Journal of Applied Physics*, **2006**, 99, 08D504	2.5	7
167	New Magnetic Recording Media **2006**, 1539-1568		1
166	Self-assembled nanocrystalline epitaxial manganite films on SrTiO3 i heterostructures. *Journal of Applied Physics*, **2006**, 99, 08Q307	2.5	8
165	Anisotropic exchange. *Journal of Applied Physics*, **2005**, 97, 10B302	2.5	10
164	Magnetic materials for finite-temperature quantum computing. *Journal of Applied Physics*, **2005**, 97, 10R5 1	2.5	4
163	The effects of the thickness of magnetically hard- and soft-phase layers on magnetic properties and exchange coupling in multilayer magnets. *Journal of Applied Physics*, **2005**, 97, 10K303	2.5	5
162	Magnetic properties of dilute FePt:C nanocluster films. *Journal of Applied Physics*, **2005**, 97, 10J320	2.5	20
161	Rapidly annealed exchange-coupled Sm Co Co multilayers. *Journal of Applied Physics*, **2005**, 97, 10K304	2.5	13
160	Effects of ion-beam irradiation on the L10 phase transformation and their magnetic properties of FePt and PtMn films (Invited). *Materials Research Society Symposia Proceedings*, **2005**, 887, 1		1
159	Sample preparation and annealing effects on the ferromagnetism in Mn-doped ZnO. *Journal of Applied Physics*, **2005**, 97, 10D303	2.5	77

158	Cluster-assembled exchange-spring nanocomposite permanent magnets. *Journal of Applied Physics*, **2005**, 97, 10K310	2.5	8
157	Magnetic Aging. *Materials Research Society Symposia Proceedings*, **2005**, 887, 1		2
156	Fast and Slow Magnetization Processes in Magnetic Recording Media. *Materials Research Society Symposia Proceedings*, **2005**, 887, 1		
155	Enhanced coercivity in thermally processed (Nd,Dy)(Fe,Co,Nb,B)5.5/α-Fe nanoscale multilayer magnets. *Journal of Applied Physics*, **2005**, 97, 104308	2.5	5
154	Template-mediated assembly of FePt L10 clusters under external magnetic field. *Journal of Applied Physics*, **2005**, 97, 10J304	2.5	12
153	Integration of epitaxial colossal magnetoresistive films onto Si(100) using SrTiO3 as a template layer. *Applied Physics Letters*, **2005**, 86, 012503	3.4	34
152	Relaxation in magnetic nanostructures. *Journal of Applied Physics*, **2005**, 97, 10A702	2.5	4
151	Highly (001)-oriented Ni-doped L10 FePt films and their magnetic properties. *Journal of Applied Physics*, **2005**, 97, 10H309	2.5	29
150	Noncollinear spin states and competing interactions in half-metals and magnetic perovskites. *Journal of Applied Physics*, **2005**, 97, 10C305	2.5	3
149	Effect of Au spacer layer on L10 phase ordering temperature of CoPt thin films. *Journal of Applied Physics*, **2004**, 95, 7270-7272	2.5	22
148	Growth and magnetism of FePt:C composites in nanoscale channels. *Journal of Applied Physics*, **2004**, 95, 6741-6743	2.5	11
147	Quantum entanglement of anisotropic magnetic nanodots. *Physical Review A*, **2004**, 70,	2.6	11
146	Magnetism of L10 compounds with the composition MT (M=Rh, Pd, Pt, Ir and T=Mn, Fe, Co, Ni). *Journal of Applied Physics*, **2004**, 95, 7480-7482	2.5	18
145	Magnetic nanotubes produced by hydrogen reduction. *Journal of Applied Physics*, **2004**, 95, 7151-7153	2.5	61
144	Interactions and switching behavior of anisotropic magnetic dots. *Journal of Applied Physics*, **2004**, 95, 7414-7416	2.5	10
143	Multidomain and incoherent effects in magnetic nanodots. *Journal of Applied Physics*, **2004**, 95, 7022-7024	2.5	10
142	First principles study of transition-metal substitutions in SmCo permanent magnets. *Applied Physics Letters*, **2004**, 85, 2286-2288	3.4	27
141	Nanotube magnetism. *Applied Physics Letters*, **2004**, 84, 1525-1527	3.4	175

140	Highly oriented nonepitaxially grown L10 FePt films. *Journal of Applied Physics*, **2003**, 93, 8292-8294	2.5	98
139	Spin-wave modes in magnetic nanowires. *Journal of Applied Physics*, **2003**, 93, 7604-7606	2.5	24
138	Structure and magnetic properties of sputtered hard/soft multilayer magnets. *Journal of Applied Physics*, **2003**, 93, 8131-8133	2.5	15
137	Magnetic properties of L10 FePt and FePt:Ag nanocluster films. *Journal of Applied Physics*, **2003**, 93, 8289-8291	2.5	45
136	Effects of rapid thermal annealing on nanostructure, texture and magnetic properties of granular FePt:Ag films for perpendicular recording (invited). *Journal of Applied Physics*, **2003**, 93, 8152-8154	2.5	59
135	CoPt hard magnetic nanoparticle films synthesized by high temperature chemical reduction. *Journal of Applied Physics*, **2003**, 93, 7571-7573	2.5	51
134	Magnetic hysteresis of mechanically alloyed Sm□o nanocrystalline powders. *Journal of Applied Physics*, **2003**, 93, 6495-6497	2.5	20
133	Equivalence of sweep-rate and magnetic-viscosity dynamics. *Journal of Applied Physics*, **2003**, 93, 6820-6822	2.5	12
132	Studies of magnetic properties of the stabilizing layer for synthetic antiferromagnetically coupled media. *Journal of Applied Physics*, **2003**, 93, 7768-7770	2.5	
131	Spin structure at nanojunctions and constrictions. *Journal of Applied Physics*, **2003**, 93, 7531-7533	2.5	5
130	Exchange through nonmagnetic insulating matrix. *Journal of Applied Physics*, **2003**, 93, 6477-6479	2.5	15
129	Fabrication of nonepitaxially grown double-layered FePt:C/FeCoNi thin films for perpendicular recording. *Applied Physics Letters*, **2003**, 83, 3332-3334	3.4	92
128	TEM of Nanostructure of Cu and Ti doped Sm-Co magnetic materials. *Microscopy and Microanalysis*, **2002**, 8, 1358-1359	0.5	
127	Orientation-controlled nonepitaxial L10 CoPt and FePt films. *Applied Physics Letters*, **2002**, 80, 2350-2352	3.4	177
126	Magnetic intergranular interaction in nanocomposite CoxPt100□:C thin films. *Journal of Applied Physics*, **2002**, 91, 8641	2.5	13
125	Curie temperature of FePt:B2O3 nanocomposite films. *Physical Review B*, **2002**, 66,	3.3	51
124	Transition from negative magnetoresistance behavior to positive behavior in Co20(Cu1□Gex)80 ribbons. *Applied Physics Letters*, **2002**, 80, 1779-1781	3.4	2
123	Magnetism of Co nanocluster films. *Physical Review B*, **2002**, 66,	3.3	63

122	Effects of germanium on the electronic transport mechanism in Co20(Cu1-xGex)80 nanogranular ribbons. *Journal of Materials Research*, **2002**, 17, 3050-3055	2.5	
121	L10,(001)-oriented FePt:B2O3 composite films for perpendicular recording. *Journal of Applied Physics*, **2002**, 91, 8471	2.5	92
120	Non-epitaxial, Highly Textured (001) CoPt:B2O3 Composite Films for Perpendicular Recording. *Materials Research Society Symposia Proceedings*, **2002**, 721, 1		1
119	Structure and magnetic properties of ferromagnetic nanowires in self-assembled arrays. *Physical Review B*, **2002**, 65,	3.3	220
118	Effects of surface morphology on magnetic properties of Ni nanowire arrays in self-ordered porous alumina. *Journal of Physics Condensed Matter*, **2002**, 14, 715-721	1.8	40
117	Magnetism of Fe, Co and Ni nanowires in self-assembled arrays. *Journal of Physics Condensed Matter*, **2001**, 13, R433-R460	1.8	434
116	Cooperative magnetism and the Preisach model. *Journal of Applied Physics*, **2001**, 89, 7263-7265	2.5	34
115	CoPtCr:C nanocomposite films for high density recording. *Journal of Applied Physics*, **2001**, 89, 810-812	2.5	20
114	TEM of nanodot arrays fabricated by direct laser interferometry. *Microscopy and Microanalysis*, **2001**, 7, 316-317	0.5	
113	Nanoscale Materials for Extremely High-Density Recording **2001**, 163-170		1
112	Hysteresis-loop overskewing in the light of a novel nucleation mode. *Journal of Applied Physics*, **2000**, 87, 6334-6336	2.5	15
111	Magnetic properties of cluster-beam-synthesized cobalt: Noble-metal films. *Journal of Applied Physics*, **2000**, 87, 7013-7015	2.5	31
110	Temperature dependence of magnetic hysteresis of RCox:Co nanocomposites (R=Pr and Sm). *Journal of Applied Physics*, **2000**, 87, 6740-6742	2.5	32
109	Processing and Hard Magnetic Properties of Nanocrystalline Sm(Co,Zr)7 Magnet Powders. *Materials Research Society Symposia Proceedings*, **2000**, 644, 841		1
108	Size dependence of the magnetic properties of electrochemically self-assembled Fe quantum dots. *Journal of Electronic Materials*, **2000**, 29, 510-515	1.9	30
107	Magnetic hysteresis of Ni nanowires. *Journal of Physics Condensed Matter*, **2000**, 12, L497-L503	1.8	37
106	Nanostructured FePt:B2O3 thin films with perpendicular magnetic anisotropy. *Applied Physics Letters*, **2000**, 77, 2225-2227	3.4	197
105	Sm□Co□Cu□Ti high-temperature permanent magnets. *Applied Physics Letters*, **2000**, 77, 1514-1516	3.4	135

104	Structure and magnetic properties of N-containing NdFeB alloys prepared by mechanical alloying. *Journal of Applied Physics*, **2000**, 87, 5332-5334	2.5	5
103	Effects of Ga substitution for Fe on the structure and magnetic properties of Nd8.4Fe87.1−xGaxB4.5 (x=0–2.2) alloys prepared by mechanical alloying. *Journal of Applied Physics*, **2000**, 87, 5335-5337	2.5	12
102	Activation volumes in thin film and particulate systems. *Journal of Applied Physics*, **2000**, 87, 5696-5698	2.5	13
101	Magnetic localization in transition-metal nanowires. *Physical Review B*, **2000**, 62, 3900-3904	3.3	140
100	Magnetic properties of Ni nanowires in self-assembled arrays. *Physical Review B*, **2000**, 62, 12282-12286	3.3	114
99	Metastable phases in rare-earth permanent-magnet materials. *Journal Physics D: Applied Physics*, **2000**, 33, R217-R246	3	58
98	Structure and magnetic properties of SmCo7−xTix with TbCu7-type structure. *Journal of Applied Physics*, **2000**, 87, 5299-5301	2.5	93
97	FePt:SiO2 granular thin film for high density magnetic recording. *Journal of Applied Physics*, **2000**, 87, 6941-6943	2.5	111
96	Curie temperature of multiphase nanostructures. *Journal of Applied Physics*, **2000**, 87, 4756-4758	2.5	44
95	Magnetic properties of self-assembled Co nanowires of varying length and diameter. *Journal of Applied Physics*, **2000**, 87, 4718-4720	2.5	245
94	Nanostructure and magnetic properties of composite CoPt:C films for extremely high-density recording. *Journal of Applied Physics*, **2000**, 87, 6959-6961	2.5	75
93	Magnetic and structural properties of SmCo7−xCux alloys. *Journal of Applied Physics*, **2000**, 87, 6710-6712	2.5	82
92	MAGNETIC PROPERTIES OF COBALT CLUSTERS EMBEDDED IN A NONMAGNETIC MATRIX (Ag, Cu, AND SiO2) **2000**,		2
91	Structural and magnetic properties of FePt:SiO2 granular thin films. *Applied Physics Letters*, **1999**, 75, 3162-3164	3.4	158
90	Activation entropy, activation energy, and magnetic viscosity. *Journal of Applied Physics*, **1999**, 85, 5069-5071	2.5	19
89	Effects of layer thickness on orientation distribution and magnetic properties of CoCrTa/Cr films. *Journal of Applied Physics*, **1999**, 85, 4310-4312	2.5	3
88	Quasicoherent nucleation mode in two-phase nanomagnets. *Physical Review B*, **1999**, 60, 7359-7365	3.3	63
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