

# D J Sellmyer

## List of Publications by Year in descending order

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283  
papers

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286  
all docs

286  
docs citations

286  
times ranked

5376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetism of Fe, Co and Ni nanowires in self-assembled arrays. Journal of Physics Condensed Matter, 2001, 13, R433-R460.	0.7	475
2	High energy products in rapidly annealed nanoscale Fe/Pt multilayers. Applied Physics Letters, 1998, 72, 483-485.	1.5	306
3	Magnetic properties of self-assembled Co nanowires of varying length and diameter. Journal of Applied Physics, 2000, 87, 4718-4720.	1.1	263
4	Structure and magnetic properties of ferromagnetic nanowires in self-assembled arrays. Physical Review B, 2002, 65, .	1.1	234
5	Nanostructured FePt:B2O3 thin films with perpendicular magnetic anisotropy. Applied Physics Letters, 2000, 77, 2225-2227.	1.5	208
6	Orientation-controlled nonepitaxial L10 CoPt and FePt films. Applied Physics Letters, 2002, 80, 2350-2352.	1.5	194
7	Electronic and magnetic structures of the rare-earth compounds $R_2Fe_{17}N_{3/4}$ . Physical Review Letters, 1991, 67, 644-647.	2.9	189
8	Nanotube magnetism. Applied Physics Letters, 2004, 84, 1525-1527.	1.5	181
9	Predicting the Future of Permanent-Magnet Materials. IEEE Transactions on Magnetics, 2013, 49, 3215-3220.	1.2	168
10	Structural and magnetic properties of FePt:SiO2 granular thin films. Applied Physics Letters, 1999, 75, 3162-3164.	1.5	166
11	Nanocomposite CoPt:C films for extremely high-density recording. Applied Physics Letters, 1999, 75, 3992-3994.	1.5	162
12	Monodisperse MPt (M = Fe, Co, Ni, Cu, Zn) Nanoparticles Prepared from a Facile Oleylamine Reduction of Metal Salts. Nano Letters, 2014, 14, 2778-2782.	4.5	156
13	Rare-earth-rich metallic glasses. I. Magnetic hysteresis. Physical Review B, 1981, 23, 3349-3354.	1.1	155
14	Magnetic localization in transition-metal nanowires. Physical Review B, 2000, 62, 3900-3904.	1.1	146
15	Sm-Co-Cu-Ti high-temperature permanent magnets. Applied Physics Letters, 2000, 77, 1514-1516.	1.5	145
16	Magnetic properties of Ni nanowires in self-assembled arrays. Physical Review B, 2000, 62, 12282-12286.	1.1	120
17	FePt:SiO2 granular thin film for high density magnetic recording. Journal of Applied Physics, 2000, 87, 6941-6943.	1.1	119
18	Highly oriented nonepitaxially grown L10 FePt films. Journal of Applied Physics, 2003, 93, 8292-8294.	1.1	106

#	ARTICLE	IF	CITATIONS
19	Fabrication of nonepitaxially grown double-layered FePt:C/FeCoNi thin films for perpendicular recording. Applied Physics Letters, 2003, 83, 3332-3334.	1.5	101
20	Structure and magnetic properties of SmCo <sub>7</sub> xTix with TbCu <sub>7</sub> -type structure. Journal of Applied Physics, 2000, 87, 5299-5301.	1.1	99
21	L1[sub 0],(001)-oriented FePt:B[sub 2]O[sub 3] composite films for perpendicular recording. Journal of Applied Physics, 2002, 91, 8471.	1.1	99
22	Exploring the Structural Complexity of Intermetallic Compounds by an Adaptive Genetic Algorithm. Physical Review Letters, 2014, 112, 045502.	2.9	97
23	Random magnetism in amorphous rare-earth alloys (invited). Journal of Applied Physics, 1985, 57, 3584-3588.	1.1	96
24	Magnetic and structural properties of SmCo <sub>7</sub> xCux alloys. Journal of Applied Physics, 2000, 87, 6710-6712.	1.1	87
25	One-Pot Synthesis of Urchin-like FePd@Fe <sub>3</sub> O <sub>4</sub> and Their Conversion into Exchange-Coupled L1 <sub>0</sub> @FePd@Fe Nanocomposite Magnets. Nano Letters, 2013, 13, 4975-4979.	4.5	87
26	Sample preparation and annealing effects on the ferromagnetism in Mn-doped ZnO. Journal of Applied Physics, 2005, 97, 10D303.	1.1	81
27	Nanostructure and magnetic properties of composite CoPt:C films for extremely high-density recording. Journal of Applied Physics, 2000, 87, 6959-6961.	1.1	80
28	Hf@Co and Zr@Co alloys for rare-earth-free permanent magnets. Journal of Physics Condensed Matter, 2014, 26, 064204.	0.7	76
29	Magnetic properties of nanometer-size CoPt particles. Journal of Applied Physics, 1996, 79, 5060.	1.1	70
30	Assembly of uniaxially aligned rare-earth-free nanomagnets. Applied Physics Letters, 2012, 101, .	1.5	69
31	Magnetic nanotubes produced by hydrogen reduction. Journal of Applied Physics, 2004, 95, 7151-7153.	1.1	68
32	Quasicoherent nucleation mode in two-phase nanomagnets. Physical Review B, 1999, 60, 7359-7365.	1.1	66
33	Magnetic hardening in FePt nanostructured films. Journal of Applied Physics, 1997, 81, 5644-5646.	1.1	65
34	Magnetism of Co nanocluster films. Physical Review B, 2002, 66, .	1.1	64
35	Phase-Transition Behavior in a Random-Anisotropy System. Physical Review Letters, 1986, 57, 1173-1176.	2.9	63
36	Metastable phases in rare-earth permanent-magnet materials. Journal Physics D: Applied Physics, 2000, 33, R217-R246.	1.3	62

#	ARTICLE	IF	CITATIONS
37	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.	1.1	62
38	Effective Demagnetizing Factors of Complicated Particle Mixtures. IEEE Transactions on Magnetics, 2007, 43, 2956-2958.	1.2	55
39	Curie temperature of FePt:B <sub>2</sub> O <sub>3</sub> nanocomposite films. Physical Review B, 2002, 66, .	1.1	54
40	Structural and magnetic properties of nanocomposite Co:C films. Journal of Applied Physics, 1999, 85, 4319-4321.	1.1	53
41	CoPt hard magnetic nanoparticle films synthesized by high temperature chemical reduction. Journal of Applied Physics, 2003, 93, 7571-7573.	1.1	53
42	Magnetic properties of La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> thin films on SrTiO <sub>3</sub> and buffered Si substrates with varying thickness. Journal of Applied Physics, 2008, 103, .	1.1	53
43	Magnetism of TiO and TiO <sub>2</sub> nanoclusters. Journal of Applied Physics, 2009, 105, .	1.1	53
44	Direct chemical synthesis of L <sub>1</sub> -FePtAu nanoparticles with high coercivity. Nanoscale, 2014, 6, 12050-12055.	2.8	53
45	Disorder and Noncollinear Magnetism in Permanent-Magnet Materials with the ThMn <sub>12</sub> Structure. Physical Review Letters, 1995, 74, 3688-3691.	2.9	52
46	Electronic structure and magnetic properties of Fe-rich ternary compounds: YFe <sub>10</sub> V <sub>2</sub> and YFe <sub>10</sub> Cr <sub>2</sub> . Journal of Applied Physics, 1990, 67, 4564-4566.	1.1	50
47	Magnetic properties of L <sub>10</sub> FePt and FePt:Ag nanocluster films. Journal of Applied Physics, 2003, 93, 8289-8291.	1.1	50
48	Magnetic hardening in SmCo <sub>x</sub> -Co multilayers and nanocomposites. Journal of Applied Physics, 1999, 85, 4812-4814.	1.1	49
49	Nucleation and wall motion in graded media. Journal of Applied Physics, 2008, 103, 07F531.	1.1	49
50	Aligned and exchange-coupled FePt-based films. Applied Physics Letters, 2011, 99, .	1.5	46
51	Effect of random anisotropy on magnetic properties of amorphous systems. Physical Review B, 1978, 18, 1377-1390.	1.1	45
52	Nanostructured NdFeB films processed by rapid thermal annealing. Journal of Applied Physics, 1998, 83, 6611-6613.	1.1	45
53	Permanent magnetism of dense-packed nanostructures. Journal of Applied Physics, 2010, 107, .	1.1	45
54	Curie temperature of multiphase nanostructures. Journal of Applied Physics, 2000, 87, 4756-4758.	1.1	44

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55	Transport spin polarization of high Curie temperature MnBi films. Physical Review B, 2011, 83, .	1.1	44
56	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.	0.7	43
57	Magnetism and electron transport of $\text{Mn}_x\text{Ga}_{1-x}$ nanostructures. Journal of Applied Physics, 2013, 114, 013906.	1.1	43
58	Magnetism of rapidly quenched rhombohedral $\text{Zr}_2\text{Co}_{11}$ -based nanocomposites. Journal Physics D: Applied Physics, 2013, 46, 135004.	1.3	42
59	Magnetic ordering in amorphous $\text{NdCo}$ , $\text{GdCo}$ and $\text{ErCo}$ alloys. Journal of Applied Physics, 1978, 49, 1699-1701.	1.1	41
60	Magnetic and structural studies in $\text{SmFeTi}$ magnets. Journal of Applied Physics, 1990, 67, 4954-4956.	1.1	41
61	Nanostructure and magnetic properties of highly (001) oriented $\text{L}_{10}$ ( $\text{Fe}_{49}\text{Pt}_{51}$ ) $_{1-x}\text{Cu}_x$ films. Journal of Applied Physics, 2006, 99, 08G903.	1.1	41
62	From $\text{FePt}/\text{Fe}_3\text{O}_4$ to $\text{L}_{10}$ - $\text{FePt}/\text{Fe}$ nanocomposite magnets with a gradient interface. Journal of Materials Chemistry C, 2015, 3, 7075-7080.	2.7	41
63	Rare-earth-gallium-iron glasses. I. Magnetic ordering and hysteresis in alloys based on Gd, Tb, and Er. Physical Review B, 1984, 30, 2845-2856.	1.1	40
64	Finite-temperature anisotropy of magnetic alloys. Journal of Applied Physics, 2006, 99, 08E916.	1.1	39
65	Magnetic properties, anisotropy, and microstructure of sputtered rare-earth iron multilayers. Journal of Applied Physics, 1988, 63, 3218-3220.	1.1	38
66	Kerr effect of two-medium layered systems. Journal of Applied Physics, 1990, 67, 7547-7555.	1.1	38
67	Magnetic and Structural Properties of Rapidly Quenched Tetragonal $\text{Mn}_{3-x}\text{Ga}$ Nanostructures. IEEE Transactions on Magnetics, 2013, 49, 3277-3280.	1.2	38
68	Structural and magnetic properties of Pr-alloyed MnBi nanostructures. Journal Physics D: Applied Physics, 2013, 46, 095003.	1.3	38
69	Effect of Exchange Interactions on the Coercivity of $\text{SmCo}_5$ Nanoparticles Made by Cluster Beam Deposition. Advanced Functional Materials, 2013, 23, 3262-3267.	7.8	38
70	Magnetic hysteresis of Ni nanowires. Journal of Physics Condensed Matter, 2000, 12, L497-L503.	0.7	37
71	Integration of epitaxial colossal magnetoresistive films onto Si(100) using $\text{SrTiO}_3$ as a template layer. Applied Physics Letters, 2005, 86, 012503.	1.5	37
72	Temperature and thickness dependence of coercivity and magnetization of Co/Cu and Co/Si multilayers. Journal of Applied Physics, 1991, 70, 6050-6052.	1.1	36

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73	Temperature dependence of magnetic hysteresis of RCox:Co nanocomposites (R=Pr and Sm). Journal of Applied Physics, 2000, 87, 6740-6742.	1.1	36
74	Synthesis and magnetic characterizations of manganite-based composite nanoparticles for biomedical applications. Journal of Applied Physics, 2008, 103, .	1.1	36
75	Electronic structures and Curie temperatures of iron-based rare-earth permanent-magnet compounds. Physical Review B, 1995, 51, 1064-1072.	1.1	35
76	Cooperative magnetism and the Preisach model. Journal of Applied Physics, 2001, 89, 7263-7265.	1.1	35
77	Magnetic properties of nickel hydroxide nanoparticles. Journal of Applied Physics, 2010, 107, .	1.1	35
78	Electronic Structure and Magnetism ofNd <sub>2</sub> Fe <sub>14</sub> B and Related Compounds. Physical Review Letters, 1988, 60, 2077-2080.	2.9	34
79	Size dependence of the magnetic properties of electrochemically self-assembled Fe quantum dots. Journal of Electronic Materials, 2000, 29, 510-515.	1.0	33
80	Structural disorder and magnetism in the spin-gapless semiconductor CoFeCrAl. AIP Advances, 2016, 6, .	0.6	33
81	Magnetic properties of cluster-beam-synthesized cobalt: Noble-metal films. Journal of Applied Physics, 2000, 87, 7013-7015.	1.1	32
82	$\text{HfCo}_{1-7}$ -Based Rare-Earth-Free Permanent-Magnet Alloys. IEEE Transactions on Magnetics, 2013, 49, 3330-3333.	1.2	32
83	Magnetic properties of the rare-earth intermetallicsRCa <sub>2</sub> . Journal of Applied Physics, 1978, 49, 1507-1509.	1.1	31
84	Highly (001)-oriented Ni-doped L10 FePt films and their magnetic properties. Journal of Applied Physics, 2005, 97, 10H309.	1.1	31
85	Magnetism and anisotropy of Tb/Fe multilayers. Journal of Applied Physics, 1990, 67, 5713-5715.	1.1	30
86	First principles study of transition-metal substitutions in Sm-Co permanent magnets. Applied Physics Letters, 2004, 85, 2286-2288.	1.5	30
87	Phase formation and magnetic properties of Co-rare earth magnetic films. Journal of Applied Physics, 1998, 83, 6244-6246.	1.1	28
88	Structural, magnetic, and electron transport properties of MnBi:Fe thin films. Journal of Applied Physics, 2012, 111, .	1.1	28
89	Magnetic viscosity and switching volumes of annealed Fe/Pt multilayers. Journal of Applied Physics, 1996, 79, 4899.	1.1	27
90	Coercivity and exchange coupling in PrCo:Co nanocomposite films. Journal of Applied Physics, 1998, 83, 6608-6610.	1.1	27

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91	Spin-wave modes in magnetic nanowires. Journal of Applied Physics, 2003, 93, 7604-7606.	1.1	27
92	In-cluster-structured exchange-coupled magnets with high energy densities. Applied Physics Letters, 2006, 89, 122509.	1.5	27
93	Permanent magnetism of intermetallic compounds between light and heavy transition-metal elements. Journal of Physics Condensed Matter, 2014, 26, 064209.	0.7	27
94	Magnetic properties of the rare-earth glasses (R <sub>65</sub> Fe <sub>35</sub> ) <sub>100-x</sub> B <sub>x</sub> . Journal of Applied Physics, 1979, 50, 1608-1610.	1.1	26
95	Structural, magnetic and magneto-transport properties of Pt-alloyed MnBi thin films. Journal of Applied Physics, 2010, 107, .	1.1	26
96	Graded permanent magnets. Journal of Applied Physics, 2009, 105, .	1.1	25
97	Magnetic anisotropy in itinerant magnets. Journal of Applied Physics, 2010, 107, .	1.1	25
98	Magnetism of MnBi-Based Nanomaterials. IEEE Transactions on Magnetics, 2013, 49, 3318-3321.	1.2	25
99	Giant coercivities and chemical short-range order in PrGaFe metallic glasses. Journal of Applied Physics, 1982, 53, 2330-2332.	1.1	24
100	Temperature- and field-induced entropy changes in nanomagnets. Journal of Applied Physics, 2008, 103, 07B329.	1.1	24
101	Enhanced magneto-optic Kerr effects in thin magnetic/metallic layered structures. Applied Physics Letters, 1989, 55, 2479-2481.	1.5	23
102	Intrinsic Properties of Fe-Substituted L <sub>10</sub> Magnets. IEEE Transactions on Magnetics, 2013, 49, 5194-5198.	1.2	23
103	Simple vibrating sample magnetometer. Review of Scientific Instruments, 1982, 53, 691-693.	0.6	22
104	Magnetic hysteresis of mechanically alloyed Sm-Co nanocrystalline powders. Journal of Applied Physics, 2003, 93, 6495-6497.	1.1	22
105	Effect of Au spacer layer on L <sub>10</sub> phase ordering temperature of CoPt thin films. Journal of Applied Physics, 2004, 95, 7270-7272.	1.1	22
106	Magnetism of L <sub>10</sub> compounds with the composition MT (M=Rh, Pd, Pt, Ir and T=Mn, Fe, Co, Ni). Journal of Applied Physics, 2004, 95, 7480-7482.	1.1	22
107	Magnetic properties of Fe/Nd multilayer films. Journal of Applied Physics, 1987, 61, 4323-4325.	1.1	21
108	Electrochemically self-assembled quantum dot arrays. Journal of Electronic Materials, 1999, 28, 515-519.	1.0	20

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109	CoPtCr:C nanocomposite films for high density recording. Journal of Applied Physics, 2001, 89, 810-812.	1.1	20
110	Magnetic properties of dilute FePt:C nanocluster films. Journal of Applied Physics, 2005, 97, 10J320.	1.1	20
111	Synthesis of single-crystal Sm-Co nanoparticles by cluster beam deposition. Journal of Nanoparticle Research, 2011, 13, 7005-7012.	0.8	20
112	Magnetic properties of hydrides of rare earth-transition metal glasses. Journal of Applied Physics, 1982, 53, 7798-7800.	1.1	19
113	Magnetic transitions and scaling in anisotropic rare-earth glasses. Journal of Applied Physics, 1987, 61, 3616-3618.	1.1	19
114	Structure and magnetic properties of nanostructured Dy/transition-metal multilayered films. Journal of Applied Physics, 1988, 64, 5745-5747.	1.1	19
115	Activation entropy, activation energy, and magnetic viscosity. Journal of Applied Physics, 1999, 85, 5069-5071.	1.1	19
116	Permittivity and permeability of Fe(Tb) nanoparticles and their microwave absorption in the 2-18 GHz range. Journal of Applied Physics, 2010, 107, .	1.1	19
117	Are VPd3 and NbPd3 itinerant ferromagnets?. Journal of Applied Physics, 1982, 53, 2024-2026.	1.1	18
118	Correlation of switching volume with magnetic properties, microstructure, and media noise in CoCr(Pt)Ta thin films. Journal of Applied Physics, 1997, 81, 3928-3930.	1.1	18
119	Spin correlations and electron transport in MnBi: Au films. Journal of Applied Physics, 2011, 109, 07B709.	1.1	18
120	Electronic structure and magneto-optical properties of MnBi and MnBiAl. Journal of Applied Physics, 1994, 75, 6346-6347.	1.1	17
121	Magnetic reversal in three-dimensional exchange-spring permanent magnets. Journal of Applied Physics, 2006, 99, 08B508.	1.1	17
122	Hysteresis-loop overskewing in the light of a novel nucleation mode. Journal of Applied Physics, 2000, 87, 6334-6336.	1.1	16
123	Activation volumes in thin film and particulate systems. Journal of Applied Physics, 2000, 87, 5696-5698.	1.1	16
124	Effect of Co substitution on the magnetic and electron-transport properties of Mn <sub>2</sub> PtSn. Journal of Physics Condensed Matter, 2015, 27, 076002.	0.7	16
125	Spin-glass-like freezing in disordered MnPd <sub>3</sub> and CrPd <sub>3</sub> alloys. Journal of Applied Physics, 1984, 55, 1735-1737.	1.1	15
126	Mössbauer study of permanent magnet materials: Sm <sub>2</sub> Fe <sub>17</sub> Al <sub>x</sub> compounds. Journal of Applied Physics, 1994, 76, 6159-6161.	1.1	15



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127	Structure and magnetic properties of sputtered hard/soft multilayer magnets. Journal of Applied Physics, 2003, 93, 8131-8133.	1.1	15
128	Equivalence of sweep-rate and magnetic-viscosity dynamics. Journal of Applied Physics, 2003, 93, 6820-6822.	1.1	15
129	Exchange through nonmagnetic insulating matrix. Journal of Applied Physics, 2003, 93, 6477-6479.	1.1	15
130	Crystal Structure and Dzyaloshinskiâ€Moriya Micromagnetics. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	15
131	Magnetic intergranular interaction in nanocomposite Co[sub x]Pt[sub 100âˆx]:C thin films. Journal of Applied Physics, 2002, 91, 8641.	1.1	14
132	Ferromagnetic resonance studies in ZnMnO dilute ferromagnetic semiconductors. Journal of Applied Physics, 2006, 99, 08M116.	1.1	14
133	Effect of Fe substitution on the structural, magnetic and electron-transport properties of half-metallic Co <sub>2</sub> TiSi. AIP Advances, 2017, 7, .	0.6	14
134	Magnetism and microstructure of compositionally modulated disordered Fe/Ta films. Journal of Applied Physics, 1987, 61, 4320-4322.	1.1	13
135	Magnetic and magnetoâ€optic properties of sputtered Co/Ni multilayers. Journal of Applied Physics, 1994, 75, 6495-6497.	1.1	13
136	Effects of Ga substitution for Fe on the structure and magnetic properties of Nd <sub>8.4</sub> Fe <sub>87.1</sub> âˆxGa <sub>x</sub> B <sub>4.5</sub> (x=0â€2.2) alloys prepared by mechanical alloying. Journal of Applied Physics, 2000, 87, 5335-5337.	1.1	13
137	Rapidly annealed exchange-coupled Smâ€CoâˆCo multilayers. Journal of Applied Physics, 2005, 97, 10K304.	1.1	13
138	Intrinsic and Extrinsic Properties of Advanced Magnetic Materials. , 2006, , 1-57.		13
139	Temperature-dependent orbital-moment anisotropy in dilute magnetic oxides. Physical Review B, 2007, 75, .	1.1	13
140	Proteresis in Co:CoO core-shell nanoclusters. Journal of Applied Physics, 2008, 103, 07D514.	1.1	13
141	Anisotropy of W in Fe and Co. IEEE Transactions on Magnetics, 2011, 47, 3336-3339.	1.2	13
142	Ultrahard magnetic nanostructures. Journal of Applied Physics, 2012, 111, 07E345.	1.1	13
143	Hf Doping Effect on Hard Magnetism of Nanocrystalline Zr <sub>m</sub> Hf <sub>m</sub> xCo <sub>82</sub> Ribbons. IEEE Transactions on Magnetics, 2013, 49, 3394-3397.	1.2	13
144	Magnetic ordering and local random anisotropy in dilute magnetic glasses. Journal of Applied Physics, 1978, 49, 1696-1698.	1.1	12

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145	Magnetic properties of rare earth-gallium-iron glasses. Journal of Applied Physics, 1981, 52, 1823-1825.	1.1	12
146	Rare-earth-rich metallic glasses. II. Magnetic viscosity. Physical Review B, 1981, 23, 3355-3359.	1.1	12
147	Studies of domain dynamics in amorphous Dy/Fe multilayers. Journal of Applied Physics, 1991, 70, 6200-6202.	1.1	12
148	Growth and magnetism of FePt:C composites in nanoscale channels. Journal of Applied Physics, 2004, 95, 6741-6743.	1.1	12
149	Template-mediated assembly of FePt L10 clusters under external magnetic field. Journal of Applied Physics, 2005, 97, 10J304.	1.1	12
150	Anisotropic exchange. Journal of Applied Physics, 2005, 97, 10B302.	1.1	12
151	Micromagnetic energy barriers. Journal of Applied Physics, 2006, 99, 08B906.	1.1	12
152	Structure and magnetic properties of Co-W clusters produced by inert gas condensation. Journal of Applied Physics, 2012, 111, 07B524.	1.1	12
153	Finite-Temperature Micromagnetism. IEEE Transactions on Magnetics, 2013, 49, 3229-3232.	1.2	12
154	Structural, magnetic, and electron transport properties of Mn <sub>3</sub> xPt <sub>x</sub> Sn (x = 0, 0.5, 1) nanomaterials. Journal of Applied Physics, 2014, 115, .	1.1	12
155	Kondorski reversal in magnetic nanowires. Journal of Applied Physics, 2014, 115, .	1.1	12
156	Effect of disorder on the resistivity of CoFeCrAl films. AIP Advances, 2017, 7, 055834.	0.6	12
157	Electronic structure and surface reactivity of Nd <sub>2</sub> Fe <sub>14</sub> B and related compounds. Journal of Applied Physics, 1988, 64, 5577-5579.	1.1	11
158	Magnetic and magneto-optical properties of Mn <sub>5</sub> (Ge <sub>1-x</sub> M <sub>x</sub> ) <sub>3</sub> alloys with M=Sn, Pb. Journal of Applied Physics, 1994, 75, 6354-6356.	1.1	11
159	Fabrication of large arrays of micron-scale magnetic features by selective area organometallic chemical vapor deposition. Journal of Applied Physics, 1996, 80, 1867-1871.	1.1	11
160	Quantum entanglement of anisotropic magnetic nanodots. Physical Review A, 2004, 70, .	1.0	11
161	Multidomain and incoherent effects in magnetic nanodots. Journal of Applied Physics, 2004, 95, 7022-7024.	1.1	11
162	Entropy localization in magnetic compounds and thin-film nanostructures. Journal of Applied Physics, 2010, 107, 09A922.	1.1	11

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163	Exploring new phases of Fe <sub>3</sub> CoC for rare-earth-free magnets. Journal Physics D: Applied Physics, 2017, 50, 215005.	1.3	11
164	Structural, magnetic, and electron-transport properties of epitaxial Mn <sub>2</sub> PtSn films. Journal of Applied Physics, 2018, 124, 103903.	1.1	11
165	Effect of anisotropy strength on phase transitions in random anisotropy magnets. Journal of Applied Physics, 1982, 53, 7722-7724.	1.1	10
166	Synthesis of Nd(FeTi) <sub>12</sub> films by sputtering. Applied Physics Letters, 1993, 62, 3528-3530.	1.5	10
167	Interactions and switching behavior of anisotropic magnetic dots. Journal of Applied Physics, 2004, 95, 7414-7416.	1.1	10
168	Magnetization Reversal in Cubic Nanoparticles With Uniaxial Surface Anisotropy. IEEE Transactions on Magnetism, 2007, 43, 2890-2892.	1.2	10
169	Aligned and exchange-coupled L <sub>10</sub> (Fe,Co)Pt-based magnetic films. Journal of Applied Physics, 2012, 111, 07B537.	1.1	10
170	Magnetism of hexagonal Mn <sub>1.5</sub> X <sub>0.5</sub> Sn (X = Cr, Mn, Fe, Co) nanomaterials. Journal of Applied Physics, 2015, 117, .	1.1	10
171	Electronic structure of Sm <sub>2</sub> Fe <sub>17</sub> N <sub>x</sub> compounds. Journal of Applied Physics, 1993, 73, 6913-6915.	1.1	9
172	Photoemission studies of Co and Fe based compounds with the ThMn <sub>12</sub> structure. Journal of Applied Physics, 1993, 73, 6919-6921.	1.1	9
173	Cluster-Assembled Nanocomposites. , 2006, , 207-238.		9
174	FePt clusters synthesized by thermal pyrolysis of Fe and Pt compounds in an organic solvent. Journal of Applied Physics, 2006, 99, 08G704.	1.1	9
175	Effects of total thickness on (001) texture, surface morphology, and magnetic properties of [Fe/Pt] <sub>n</sub> multilayer films by monatomic layer deposition. Journal of Applied Physics, 2010, 108, 073906.	1.1	9
176	Nanomagnetic skyrmions. Journal of Applied Physics, 2012, 111, 07E116.	1.1	9
177	Synthesis and magnetism of single-phase Mn-Ga films. Journal of Applied Physics, 2015, 117, .	1.1	9
178	Magnetic and electrical properties of iron-nickel-chromium-metalloid glasses. Physical Review B, 1981, 24, 5318-5326.	1.1	8
179	Anomalous magnetic hysteresis in an amorphous Nd <sub>54</sub> Co <sub>36</sub> B <sub>10</sub> alloy. Journal of Applied Physics, 1985, 57, 4133-4135.	1.1	8
180	Magnetic properties of rare-earth transition-metal borides. Journal of Applied Physics, 1988, 63, 3704-3706.	1.1	8

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181	Magneto-optical and structural properties of BiAlDyIG/Fe multilayers. Journal of Applied Physics, 1994, 75, 6670-6672.	1.1	8
182	Sputtering pressure effects and temperature-dependent magnetism of Co/Pd multilayers. Journal of Applied Physics, 1994, 76, 6084-6086.	1.1	8
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