

Gan Moog Chow

List of Publications by Year in descending order

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7755
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#	ARTICLE	IF	CITATIONS
1	Large-Scale Epitaxial Growth of Ultralong Stripe BiFeO ₃ Films and Anisotropic Optical Properties. ACS Applied Materials & Interfaces, 2022, , .	8.0	1
2	Topological hall transport: Materials, mechanisms and potential applications. Progress in Materials Science, 2022, 130, 100971.	32.8	27
3	Correlated cation lattice symmetry and oxygen octahedral rotation in perovskite oxide heterostructures. Journal of Applied Physics, 2021, 129, 025303.	2.5	2
4	Perovskite Light-Emitting Diodes with Near Unit Internal Quantum Efficiency at Low Temperatures. Advanced Materials, 2021, 33, e2006302.	21.0	16
5	Ferroelectric Self-Polarization Controlled Magnetic Stratification and Magnetic Coupling in Ultrathin La _{0.67} Sr _{0.33} MnO ₃ Films. ACS Applied Materials & Interfaces, 2021, 13, 30137-30145.	8.0	10
6	Interfacial control of domain structure and magnetic anisotropy in La _{0.67} Sr _{0.33} MnO ₃ manganite heterostructures. Physical Review B, 2021, 104, .	3.2	5
7	Enhanced Magnetic Anisotropy and Orbital Symmetry Breaking in Manganite Heterostructures. Advanced Functional Materials, 2020, 30, 1909536.	14.9	17
8	Tuning Irreversible Magnetoresistance in Pr _{0.67} Sr _{0.33} MnO ₃ Film via Octahedral Rotation. ACS Applied Materials & Interfaces, 2020, 12, 43222-43230.	8.0	4
9	Electrical switching of perpendicular magnetization in a single ferromagnetic layer. Physical Review B, 2020, 101, .	3.2	66
10	Perpendicular Magnetic Anisotropy and Dzyaloshinskii-Moriya Interaction at an Oxide/Ferromagnetic Metal Interface. Physical Review Letters, 2020, 124, 217202.	7.8	27
11	Magnetoelectric Coupling Induced Orbital Reconstruction and Ferromagnetic Insulating State in PbZr _{0.52} Ti _{0.48} O ₃ /La _{0.67} Sr _{0.33} MnO ₃ Heterostructures. ACS Applied Materials & Interfaces, 2020, 12, 35588-35597.		10
12	Overcoming the Limits of the Interfacial Dzyaloshinskii-Moriya Interaction by Antiferromagnetic Order in Multiferroic Heterostructures. Advanced Materials, 2020, 32, e1904415.	21.0	34
13	Thickness-dependent polarization-induced intrinsic magnetoelectric effects in $L_a_{0.67}S_r_{0.33}M_nO_3$ heterostructures. Physical Review B, 2020, 101, .	3.2	24
14	Investigation of non-local screening in K-edge XANES for Pr _{0.67} Sr _{0.33} MnO ₃ under high pressure. Journal of Alloys and Compounds, 2019, 792, 108-115.	5.5	3
15	Atomic-Scale Control of Magnetism at the Titanite-Manganite Interfaces. Nano Letters, 2019, 19, 3057-3065.	9.1	13
16	Emergence of Topological Hall Effect in a SrRuO ₃ Single Layer. Advanced Materials, 2019, 31, e1807008.	21.0	121
17	Control of Synaptic Plasticity Learning of Ferroelectric Tunnel Memristor by Nanoscale Interface Engineering. ACS Applied Materials & Interfaces, 2018, 10, 12862-12869.	8.0	109
18	Lattice-Mismatch-Induced Oscillatory Feature Size and Its Impact on the Physical Limitation of Grain Size. Physical Review Applied, 2018, 9, .	3.8	9

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19	Large lattice mismatch effects on the epitaxial growth and magnetic properties of FePt films. Journal of Magnetism and Magnetic Materials, 2018, 446, 125-134.	2.3	15
20	Control of magnetic anisotropy by orbital hybridization with charge transfer in (La _{0.67} Sr _{0.33} MnO ₃) _n /(SrTiO ₃) _n superlattice. NPG Asia Materials, 2018, 10, 931-942.	7.9	15
21	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. Advanced Functional Materials, 2018, 28, 1801766.	14.9	18
22	Direct observation of room-temperature out-of-plane ferroelectricity and tunneling electroresistance at the two-dimensional limit. Nature Communications, 2018, 9, 3319.	12.8	81
23	Hydrogen-Bonding Evolution during the Polymorphic Transformations in CH ₃ NH ₃ PbBr ₃ : Experiment and Theory. Chemistry of Materials, 2017, 29, 5974-5981.	6.7	80
24	Interfacial Coupling and Polarization of Perovskite ABO ₃ Heterostructures. Microscopy and Microanalysis, 2017, 23, 1586-1587.	0.4	1
25	Effects of strain relaxation in Pr _{0.67} Sr _{0.33} MnO ₃ films probed by polarization dependent X-ray absorption near edge structure. Scientific Reports, 2016, 6, 19886.	3.3	12
26	Effect of TiO ₂ /MgO intermediate layer on microstructure and magnetic properties of L10 FePt/CaSiO ₂ films. Journal of Magnetism and Magnetic Materials, 2016, 417, 203-207.	2.3	16
27	Columnar structured FePt films epitaxially grown on large lattice mismatched intermediate layer. Scientific Reports, 2016, 6, 34637.	3.3	7
28	Interfacial Coupling-Induced Ferromagnetic Insulator Phase in Manganite Film. Nano Letters, 2016, 16, 4174-4180.	9.1	24
29	Strain Engineering of Octahedral Rotations and Physical Properties of SrRuO ₃ Films. Scientific Reports, 2015, 5, 10245.	3.3	51
30	Large enhancement of magnetic moment in L ₁₀ ordered FePt thin films by Nd substitutional doping. Journal Physics D: Applied Physics, 2015, 48, 255001.	2.8	9
31	Electric field induced strain effects on the magnetization of a $P_{r0.67}S_{r0.33}MnO_3$ film. Scientific Reports, 2015, 5, 10245.	3.2	7
32	Crystalline ZrO ₂ doping induced columnar structural FePt films with larger coercivity and high aspect ratio. Journal of Applied Physics, 2015, 117, 17D116.	2.5	11
33	Study of perpendicular anisotropy L10-FePt pseudo spin valves using a micromagnetic trilayer model. Journal of Applied Physics, 2015, 117, 213901.	2.5	9
34	Note: Application of a pixel-array area detector to simultaneous single crystal x-ray diffraction and x-ray absorption spectroscopy measurements. Review of Scientific Instruments, 2014, 85, 046109.	1.3	1
35	Temperature dependent electronic structure of Pr _{0.67} Sr _{0.33} MnO ₃ film probed by X-ray absorption near edge structure. Journal of Applied Physics, 2014, 115, 17E116.	2.5	6
36	Ultra-thin L10-FePt for perpendicular anisotropy L10-FePt/Ag/[Co/Pd] ₃₀ pseudo spin valves. Journal of Applied Physics, 2014, 115, 17C102.	2.5	4

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37	Modulated anisotropic electronic charge transfer in perovskite $\text{Pr}_{0.67}\text{Sr}_{0.33}\text{FeO}_{3-x}$	3.2	20
38	Tuning the Curie temperature of L10 ordered FePt thin films through site-specific substitution of Rh. Journal of Applied Physics, 2014, 116, 143902.	2.5	7
39	Microstructures and Magnetic Properties of FePt Thin Films on TiON Intermediate Layer. IEEE Transactions on Magnetics, 2014, 50, 89-95.	2.1	7
40	L1 FePt-ZrO ₂ (001) nanostructured films with high aspect ratio columnar grains. Applied Physics Letters, 2014, 104, .	3.3	22
41	Spatiotemporally separating electron and phonon thermal transport in L10 FePt films for heat assisted magnetic recording. Journal of Applied Physics, 2014, 115, 243907.	2.5	4
42	Nanogranular TiN-ZrO ₂ intermediate layer induced improvement of isolation and grain size of FePt thin films. Scientific Reports, 2014, 4, 5607.	3.3	15
43	Hydrothermal epitaxial multiferroic BiFeO ₃ thick film by addition of the PVA. Journal of Alloys and Compounds, 2013, 577, 44-48.	5.5	21
44	Investigation of Heat-Assisted Magnetic Recording Media Films in Four Dimensions. IEEE Transactions on Magnetics, 2013, 49, 2510-2513.	2.1	3
45	Control of the Microstructure of FePt-Si _x -C (001) Film by a Nucleation Layer Grown on TiN Intermediate Layer. IEEE Transactions on Magnetics, 2013, 49, 3299-3302.	2.1	2
46	Control of oxygen octahedral rotations and physical properties in SrRuO_{3-x} Physical Review B, 2013, 88, .	3.1	83
47	Control of Microstructure and Magnetic Properties of FePt Films With TiN Intermediate Layer. IEEE Transactions on Magnetics, 2013, 49, 668-674.	2.1	20
48	Comprehensive Study on the Size Effects of the Optical Properties of NaYF ₄ :Yb,Er Nanocrystals. Journal of Physical Chemistry C, 2013, 117, 13297-13304.	3.1	91
49	Effect of oxygen vacancies on the electronic structure and transport properties of SrRuO ₃ thin films. Journal of Applied Physics, 2013, 113, .	2.5	19
50	Annealing effect on the FePt/Fe exchange-coupled granular bilayer. Journal of Applied Physics, 2013, 114, 173903.	2.5	7
51	The role of octahedral tilting in the structural phase transition and magnetic anisotropy in SrRuO ₃ thin film. Journal of Applied Physics, 2013, 113, .	2.5	40
52	Effects of spacer thickness on perpendicular anisotropy $\langle L \rangle$ of L1-FePt/TiN/L1-FePt pseudo spin valves. Journal of Applied Physics, 2012, 111, .	2.5	6
53	Investigation of spin and orbital moments of L10 FePtRh thin films. Journal of Applied Physics, 2012, 111, 07C120.	2.5	2
54	Nanocrystalline Nickel Ferrite Particles Synthesized by Non-Hydrolytic Sol-Gel Method and Their Composite with Biodegradable Polymer. Journal of Nanoscience and Nanotechnology, 2012, 12, 8431-8436.	0.9	1

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55	Synthesis of BiFeO ₃ nanoparticles with small size. Journal of Sol-Gel Science and Technology, 2012, 64, 104-109.	2.4	6
56	Well-isolated L10 FePt/SiN/C nanocomposite films with large coercivity and small grain size. Journal of Applied Physics, 2012, 111, 07A308.	2.5	24
57	Size-dependent transformation from Ag templates to Au/Ag nanoshells via galvanic replacement reaction in organic medium. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	13
58	Nanocomposite L10 FePt/SiN and FePt/SiN/C films with large coercivity and small grain size on a TiN intermediate layer. Journal of Magnetism and Magnetic Materials, 2012, 324, 2637-2644.	2.3	12
59	High coercive FePt and FePt-SiN _x (001) films with small grain size and narrow opening-up of in-plane hysteresis loop by TiN intermediate layer. Journal of Applied Physics, 2011, 110, .	2.5	25
60	The effects of surface and surface coatings on fluorescence properties of hollow NaYF ₄ :Yb,Er upconversion nanoparticles. Journal of Materials Research, 2011, 26, 70-81.	2.6	12
61	Interlayer Exchange Coupling Effect of L1 ₀ CoPt Based Exchange Coupled Composite Media. Journal of Nanoscience and Nanotechnology, 2011, 11, 2607-2610.	0.9	0
62	Deposition temperature induced magnetic anisotropy variation in FePt-C soft/hard multilayer films. Journal of Applied Physics, 2011, 109, 063910.	2.5	11
63	Effects of Mn doping on temperature-dependent magnetic properties of L10 FeMnPt. Journal of Applied Physics, 2011, 109, 07B747.	2.5	21
64	Atomistic Modeling of the Interlayer Coupling Behavior in Perpendicularly Magnetized L1 ₀ -FePt/Ag/L1 ₀ -FePt Pseudo Spin Valves. IEEE Transactions on Magnetics, 2011, 47, 2646-2648.	2.1	4
65	Electric-Field Effect on Magnetic Properties of FePt/PZN-PT Heterostructures. IEEE Transactions on Magnetics, 2011, 47, 4402-4404.	2.1	3
66	Synthesis of PbS nanocrystals from sulfur/amine solutions at room temperature. RSC Advances, 2011, 1, 817.	3.6	6
67	Gold decorated NaYF ₄ :Yb,Er/NaYF ₄ /silica (core/shell/shell) upconversion nanoparticles for photothermal destruction of BE(2)-C neuroblastoma cells. Journal of Nanoparticle Research, 2011, 13, 499-510.	1.9	70
68	Facile patterning of upconversion NaYF ₄ :Yb,Er nanoparticles. Journal of Colloid and Interface Science, 2011, 353, 569-573.	9.4	19
69	(001) textured L10-FePt pseudo spin valve with TiN spacer. Applied Physics Letters, 2011, 99, 252503.	3.3	11
70	Where is the Ag in FePt/Ag composite films?. Applied Physics Letters, 2011, 98, 131914.	3.3	16
71	Directional short range order in $L1_0$ -FePt/SiO ₂ underlayer with MgO intermediate layer on the microstructure and magnetic thin films. Physical Review B, 2011, 84, .	3.3	16
72	Effects of CrRu/SiO ₂ underlayer with MgO intermediate layer on the microstructure and magnetic properties of FePt/C thin film. Journal of Applied Physics, 2011, 109, .	2.5	15

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73	Interlayer magnetic coupling in perpendicular anisotropy L10-FePt based pseudo spin valve. Applied Physics Letters, 2011, 98, 252503.	3.3	12
74	Perpendicular anisotropy L10-FePt based pseudo spin valve with Ag spacer layer. Applied Physics Letters, 2011, 98, 132501.	3.3	24
75	Micromagnetic modelling of L10-FePt/Ag/L10-FePt pseudo spin valves. Applied Physics Letters, 2011, 99, 162503.	3.3	4
76	$\{m L\}_1\{0\}$ Phase CoPt-TiO ₂ /FePt-TiO ₂ Exchange Coupled Media With Small Switching Field. IEEE Transactions on Magnetics, 2010, 46, 1955-1958.	2.1	9
77	Synthesis and properties of poly(D,L-lactide) drug carrier with maghemite nanoparticles. Materials Science and Engineering C, 2010, 30, 618-623.	7.3	13
78	FePt \hat{c} TiO ₂ exchange coupled composite media with well-isolated columnar microstructure for high density magnetic recording. Journal of Applied Physics, 2010, 107, .	2.5	18
79	Valence states of nanocrystalline Ceria under combined effects of hydrogen reduction and particle size. Applied Physics Letters, 2010, 96, .	3.3	18
80	FePt \hat{c} C graded media for ultra-high density magnetic recording. Journal Physics D: Applied Physics, 2010, 43, 185001.	2.8	27
81	Development of $\{m L\}_1\{0\}$ FePt:C (001) Thin Films With High Coercivity and Small Grain Size for Ultra-High-Density Magnetic Recording Media. IEEE Transactions on Magnetics, 2009, 45, 839-844.	2.1	16
82	L10 CoPt \hat{c} Ta ₂ O ₅ exchange coupled multilayer media for magnetic recording. Applied Physics Letters, 2009, 94, 232502.	3.3	20
83	Effects of size and surface on luminescence properties of submicron upconversion NaYF ₄ :Yb,Er particles. Journal of Materials Research, 2009, 24, 2042-2050.	2.6	29
84	Initial layer in FePt perpendicular media with different buffer layers. International Journal of Surface Science and Engineering, 2009, 3, 103.	0.4	0
85	Granular L10 \hat{c} FePt \hat{c} X (X=C, TiO ₂ , Ta ₂ O ₅) (001) nanocomposite films with small grain size for high density magnetic recording. Journal of Applied Physics, 2009, 105, .	2.5	43
86	Chemical ordering and magnetic properties of L10 CoPt \hat{c} SiO ₂ nanocomposite. Journal of Applied Physics, 2009, 105, 07B709.	2.5	6
87	Interlayer coupling and switching field of exchange coupled media. Journal of Applied Physics, 2009, 105, 07B733.	2.5	10
88	Crystallographic origin of perpendicular magnetic anisotropy in CoPt film: polarized x-ray absorption study. Journal Physics D: Applied Physics, 2009, 42, 185007.	2.8	8
89	Synthesis and characterizations of Ni \hat{c} Fe@spinel oxide core \hat{c} shell nanoparticles. Materials Research Bulletin, 2009, 44, 1195-1199.	5.2	14
90	Effects of oleic acid surface coating on the properties of nickel ferrite nanoparticles/PLA composites. Journal of Biomedical Materials Research - Part A, 2009, 91A, 331-341.	4.0	8

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91	Interfacial properties and in vitro cytotoxic effects of surface-modified near infrared absorbing Au-Au ₂ S nanoparticles. Journal of Materials Science: Materials in Medicine, 2009, 20, 2091-2103.	3.6	7
92	Seedlayer interface enhanced magnetic anisotropy in CoPt (0002)-textured films. Journal of Magnetism and Magnetic Materials, 2009, 321, 3236-3240.	2.3	8
93	Critical shell thickness and emission enhancement of NaYF ₄ :Yb,Er/NaYF ₄ /silica core/shell/shell nanoparticles. Journal of Materials Research, 2009, 24, 3559-3568.	2.6	32
94	Inorganic Nanoparticles for Biomedical Applications. , 2009, , 272-289.		8
95	In vivo toxic studies and biodistribution of near infrared sensitive Au@Au ₂ S nanoparticles as potential drug delivery carriers. Journal of Materials Science: Materials in Medicine, 2008, 19, 2581-2588.	3.6	48
96	Cisplatin-loaded Au@Au ₂ S nanoparticles for potential cancer therapy: Cytotoxicity, in vitro carcinogenicity, and cellular uptake. Journal of Biomedical Materials Research - Part A, 2008, 85A, 787-796.	4.0	28
97	A review of L1 ₀ FePt films for high-density magnetic recording. International Journal of Product Development, 2008, 5, 238.	0.2	12
98	Morphological Control of Synthesis and Anomalous Magnetic Properties of 3-D Branched Pt Nanoparticles. Langmuir, 2008, 24, 375-378.	3.5	76
99	The structure and magnetic properties of NiO with different sizes. , 2008, , .		2
100	Engineering Inorganic Hybrid Nanoparticles: Tuning Combination Fashions of Gold, Platinum, and Iron Oxide. Langmuir, 2008, 24, 13197-13202.	3.5	20
101	Composition, particle size, and near-infrared irradiation effects on optical properties of Au@Au ₂ S nanoparticles. Journal of Materials Research, 2008, 23, 281-293.	2.6	2
102	Nonhydrolytic sol-gel synthesis: Microstructural and morphological study on nickel ferrite nanocrystals coated with oleic acid. Journal of Materials Research, 2008, 23, 1922-1930.	2.6	6
103	High coercive L1 ₀ FePt/C (001) nanocomposite films with small grain size for perpendicular recording media. Journal of Applied Physics, 2008, 103, 07F517.	2.5	32
104	Microstructural and magnetic properties of L1 ₀ FePt/C (001) textured nanocomposite films grown on different intermediate layers. Journal Physics D: Applied Physics, 2008, 41, 205001.	2.8	25
105	Improvement of chemical ordering of FePt (001) oriented films by MgO buffer layer. Journal of Applied Physics, 2008, 103, 07E143.	2.5	28
106	Effects of Ru underlayer on microstructures and magnetic properties of Co ₇₂ Pt ₂₈ thin films. Journal of Applied Physics, 2008, 104, .	2.5	11
107	Synthesis of LiYF ₄ , BaYF ₅ , and NaLaF ₄ Optical Nanocrystals. Journal of Nanoscience and Nanotechnology, 2007, 7, 2790-2794.	0.9	49
108	Microstructure and direct ordering of FePt nanoparticles produced by nanocluster beam technology. Nanotechnology, 2007, 18, 435604.	2.6	5

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109	High coercivity L10 FePt films with perpendicular anisotropy deposited on glass substrate at reduced temperature. Applied Physics Letters, 2007, 90, 042508.	3.3	77
110	Low temperature deposited L1 FePt/C (001) films with high coercivity and small grain size. Applied Physics Letters, 2007, 91, .	3.3	96
111	NiO core-shell nanoclusters with cubic shape by nanocluster beam deposition. Applied Physics Letters, 2007, 90, 043111.	3.3	34
112	Size-dependent magnetism and spin-glass behavior of amorphous NiO bulk, clusters, and nanocrystals: Experiments and first-principles calculations. Physical Review B, 2007, 76, .	3.2	96
113	Chemical Synthesis of Nanostructured Particles and Films. , 2007, , 3-46.		2
114	Application of NaYF4:Yb, Er upconversion fluorescence nanocrystals for solution-processed near infrared photodetectors. Applied Physics Letters, 2007, 91, .	3.3	36
115	Water-Soluble NaYF4:Yb,Er(Tm)/NaYF4/Polymer Core/Shell/Shell Nanoparticles with Significant Enhancement of Upconversion Fluorescence. Chemistry of Materials, 2007, 19, 341-343.	6.7	719
116	Structure and microstructure of near infrared-absorbing Au ₂ S nanoparticles. Journal of Materials Research, 2007, 22, 2531-2538.	2.6	5
117	Microstructural Studies of L10-FePt Thin Films with High Coercivity Fabricated at Low Deposition Temperatures. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 811-814.	2.2	2
118	Synthesis of Monodisperse Iron Oxide and Iron/Iron Oxide Core/Shell Nanoparticles via Iron-Oleylamine Complex. Journal of Nanoscience and Nanotechnology, 2006, 6, 2135-2140.	0.9	12
119	The Effects of Substrate Position on Electroless Polyol Deposited Nanostructured FeNi Films. Journal of Nanoscience and Nanotechnology, 2006, 6, 1024-1030.	0.9	0
120	Inhibition of DNA hybridization by small metal nanoparticles. Biophysical Chemistry, 2006, 120, 87-95.	2.8	21
121	Field dependence of spin and orbital moments of Fe in L10 FePt magnetic thin films. Journal of Magnetism and Magnetic Materials, 2006, 303, e247-e250.	2.3	3
122	Study of effects of annealing on nanostructured Co/C thin films by X-ray absorption spectroscopy. Journal of Magnetism and Magnetic Materials, 2006, 303, e383-e386.	2.3	0
123	Microstructure of FePt nanoparticles produced by nanocluster beam. Journal of Crystal Growth, 2006, 293, 175-185.	1.5	16
124	Magnetic properties and microstructure of FePt/SiO ₂ nanocomposite films fabricated by nanocluster beam technology. Thin Solid Films, 2006, 510, 286-291.	1.8	7
125	Synthesis, characterization and preliminary toxicity assays of NIR-active Au-silicate nanoparticles through a sol-gel processing. Journal of Sol-Gel Science and Technology, 2006, 39, 269-274.	2.4	2
126	Stabilization of Pt nanoparticles by single stranded DNA and the binary assembly of Au and Pt nanoparticles without hybridization. Journal of Nanoparticle Research, 2006, 8, 1017-1026.	1.9	6

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127	Single stranded DNA stabilization and assembly of Au nanoparticles of different sizes. Chemical Physics, 2006, 323, 304-312.	1.9	39
128	Low-temperature deposition of L10 FePt films for ultra-high density magnetic recording. Journal of Magnetism and Magnetic Materials, 2006, 303, 309-317.	2.3	55
129	Interfacial Effects of MgO Buffer Layer on Perpendicular Anisotropy of L1 ₀ FePt Films. IEEE Transactions on Magnetics, 2006, 42, 3017-3019.	2.1	11
130	Synthesis of Hexagonal-Phase NaYF ₄ :Yb,Er and NaYF ₄ :Yb,Tm Nanocrystals with Efficient Up-Conversion Fluorescence. Advanced Functional Materials, 2006, 16, 2324-2329.	14.9	744
131	Spin and Orbital Magnetic Moments of FePt Thin Films. Japanese Journal of Applied Physics, 2006, 45, 2539-2541.	1.5	11
132	Investigation of Elemental Magnetic Moments of CoCrPt Films Using X-Ray Magnetic Circular Dichroism. Solid State Phenomena, 2006, 111, 191-0.	0.3	0
133	Compositional dependence of magnetic properties of CoPt thin films. Journal of Applied Physics, 2006, 100, 054909.	2.5	13
134	Investigation of phase miscibility of CoCrPt thin films using anomalous x-ray scattering and extended x-ray absorption fine structure. Applied Physics Letters, 2006, 88, 122508.	3.3	4
135	Triton X-100-Assisted Assembly of 5-nm Au Nanoparticles by DNA Hybridization. Chemistry Letters, 2005, 34, 354-355.	1.3	6
136	Stability and hybridization-driven aggregation of silver nanoparticle-oligonucleotide conjugates. New Journal of Chemistry, 2005, 29, 812.	2.8	49
137	Structural and Optical Properties of Sol-Gel-Derived Au/BaTiO ₃ Nanocomposite Thin Films. Journal of the American Ceramic Society, 2005, 88, 758-767.	3.8	11
138	Improvement of recording performance in FePt perpendicular media by Ag pinning layer. IEEE Transactions on Magnetics, 2005, 41, 3196-3198.	2.1	11
139	The effects of particle size and surface coating on the cytotoxicity of nickel ferrite. Biomaterials, 2005, 26, 5818-5826.	11.4	256
140	Sputtered FePt films with uniform nanoscale grain size on Cu (001) single crystal. Journal of Applied Physics, 2005, 97, 10J103.	2.5	5
141	Direct ordering and shape effects of FePt nanoparticles produced by nanoparticle beam technology. Journal of Applied Physics, 2005, 98, 064306.	2.5	15
142	Effect of lattice mismatch on chemical ordering of epitaxial L10 FePt films. Journal of Applied Physics, 2005, 97, 10H303.	2.5	44
143	FePt perpendicular recording media with Ag layer inserted. , 2005, , .		0
144	Synthesis, structural, magnetic, and cytotoxic properties of iron oxide coated iron/iron-carbide nanocomposite particles. Journal of Applied Physics, 2005, 98, 114306.	2.5	11

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145	Monte Carlo Simulation of Surface Segregation in Nanoparticles. Journal of Metastable and Nanocrystalline Materials, 2005, 23, 203-206.	0.1	2
146	Colloidal LaF ₃ :Yb,Er, LaF ₃ :Yb,Ho and LaF ₃ :Yb,Tm nanocrystals with multicolor upconversion fluorescence. Journal of Materials Chemistry, 2005, 15, 4460.	6.7	262
147	Thermodynamic Modeling of Surface Segregation in Au-Ti Nanoparticles. Journal of Metastable and Nanocrystalline Materials, 2005, 23, 259-262.	0.1	0
148	FePt-Ag Nanocomposite Thin Films with Longitudinal Magnetic Anisotropy. Journal of Nanoscience and Nanotechnology, 2004, 4, 704-707.	0.9	0
149	Effects of postdeposition annealing on structural and magnetic properties of CoCrPt/Ti thin films. Journal of Applied Physics, 2004, 95, 7303-7305.	2.5	2
150	Structural and magnetic properties of perpendicular FePt thin films with inserted Ag layer. Journal of Applied Physics, 2004, 95, 7495-7497.	2.5	20
151	An investigation of structure, magnetic properties and magnetoresistance of Ni films prepared by sputtering. Journal of Magnetism and Magnetic Materials, 2004, 284, 303-311.	2.3	37
152	Carboxyl group (–CO ₂ H) functionalized ferrimagnetic iron oxide nanoparticles for potential bio-applications. Journal of Materials Chemistry, 2004, 14, 2781-2786.	6.7	339
153	Imaging Cells and Tissues with Refractive Index Radiology. Biophysical Journal, 2004, 87, 4180-4187.	0.5	44
154	Synthesis of nir-sensitive Au@Au ₂ S nanocolloids for drug delivery. Materials Science and Engineering C, 2003, 23, 113-116.	7.3	56
155	Structure and magnetic properties of in-plane oriented FePt@Ag nanocomposites. Journal of Applied Physics, 2003, 93, 7577-7579.	2.5	24
156	Electroless polyol deposition of FeNi-based powders and films. Journal of Materials Research, 2003, 18, 180-187.	2.6	5
157	Epitaxial L10 FePt magnetic thin films sputtered on Cu (001). Applied Physics Letters, 2003, 82, 1902-1904.	3.3	24
158	Investigation of the crystallographic texture and interface roughness on CoCrPt/Ti magnetic thin films. Journal of Applied Physics, 2003, 93, 8725-8727.	2.5	6
159	Structural study of CoCrPt films by anomalous x-ray scattering and extended x-ray absorption fine structure. Applied Physics Letters, 2002, 80, 1607-1609.	3.3	14
160	Enhanced magnetization of nanostructured granular Ni/[Cu(II)–O] films. Applied Physics Letters, 2002, 80, 1028-1030.	3.3	10
161	Polyol Electroless and Electrodeposition of Nanostructured Ni-Co Films and Powders. Journal of the Electrochemical Society, 2002, 149, D27.	2.9	7
162	Long-range order and short-range order study on CoCrPt/Ti films by synchrotron x-ray scattering and extended x-ray absorption fine structure spectroscopy. Journal of Applied Physics, 2002, 91, 7182.	2.5	11

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163	Thermodynamics of surface compositional segregation in Ni-Co nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002, 95, 116-123.	3.5	13
164	MONTE CARLO SIMULATION OF SURFACE SEGREGATION IN Ni-Co NANOPARTICLES. , 2002, , .		0
165	Structural Effects of Ti Underlayer on CoCrPt Magnetic Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2001, 1, 271-273.	0.9	3
166	The effects of NiP seed layer in Co-alloy perpendicular thin film media. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 235, 93-97.	2.3	8
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