

Gan Moog Chow

List of Publications by Year in descending order

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203
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101496

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#	ARTICLE	IF	CITATIONS
1	Synthesis of Hexagonal-Phase NaYF ₄ :Yb,Er and NaYF ₄ :Yb,Tm Nanocrystals with Efficient Up-Conversion Fluorescence. <i>Advanced Functional Materials</i> , 2006, 16, 2324-2329.	7.8	744
2	Water-Soluble NaYF ₄ :Yb,Er(Tm)/NaYF ₄ /Polymer Core/Shell/Shell Nanoparticles with Significant Enhancement of Upconversion Fluorescence. <i>Chemistry of Materials</i> , 2007, 19, 341-343.	3.2	719
3	Carboxyl group (â€“CO ₂ H) functionalized ferrimagnetic iron oxide nanoparticles for potential bio-applications. <i>Journal of Materials Chemistry</i> , 2004, 14, 2781-2786.	6.7	339
4	Nanocrystalline metallic powders and films produced by the polyol method. <i>Scripta Materialia</i> , 1995, 5, 607-613.	0.5	269
5	Colloidal LaF ₃ :Yb,Er, LaF ₃ :Yb,Ho and LaF ₃ :Yb,Tm nanocrystals with multicolor upconversion fluorescence. <i>Journal of Materials Chemistry</i> , 2005, 15, 4460.	6.7	262
6	The effects of particle size and surface coating on the cytotoxicity of nickel ferrite. <i>Biomaterials</i> , 2005, 26, 5818-5826.	5.7	256
7	Surface-Modified Diamond Nanoparticles as Antigen Delivery Vehicles. <i>Bioconjugate Chemistry</i> , 1995, 6, 507-511.	1.8	126
8	Emergence of Topological Hall Effect in a SrRuO ₃ Single Layer. <i>Advanced Materials</i> , 2019, 31, e1807008.	11.1	121
9	Control of Synaptic Plasticity Learning of Ferroelectric Tunnel Memristor by Nanoscale Interface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12862-12869.	4.0	109
10	Low temperature deposited L1 FePtâ€“C (001) films with high coercivity and small grain size. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	96
11	Size-dependent magnetism and spin-glass behavior of amorphous NiO bulk, clusters, and nanocrystals: Experiments and first-principles calculations. <i>Physical Review B</i> , 2007, 76, .	1.1	96
12	Comprehensive Study on the Size Effects of the Optical Properties of NaYF ₄ :Yb,Er Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13297-13304.	1.5	91
13	Control of oxygen octahedral rotations and physical properties in SrRuO_3 . <i>Physical Review B</i> , 2013, 88, .		
14	Direct observation of room-temperature out-of-plane ferroelectricity and tunneling electroresistance at the two-dimensional limit. <i>Nature Communications</i> , 2018, 9, 3319.	5.8	81
15	Hydrogen-Bonding Evolution during the Polymorphic Transformations in CH ₃ NH ₃ PbBr ₃ : Experiment and Theory. <i>Chemistry of Materials</i> , 2017, 29, 5974-5981.	3.2	80
16	High coercivity L10 FePt films with perpendicular anisotropy deposited on glass substrate at reduced temperature. <i>Applied Physics Letters</i> , 2007, 90, 042508.	1.5	77
17	Morphological Control of Synthesis and Anomalous Magnetic Properties of 3-D Branched Pt Nanoparticles. <i>Langmuir</i> , 2008, 24, 375-378.	1.6	76
18	Structural, morphological, and magnetic study of nanocrystalline cobalt-copper powders synthesized by the polyol process. <i>Journal of Materials Research</i> , 1995, 10, 1546-1554.	1.2	74

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19	Gold decorated NaYF ₄ :Yb,Er/NaYF ₄ /silica (core/shell/shell) upconversion nanoparticles for photothermal destruction of BE(2)-C neuroblastoma cells. <i>Journal of Nanoparticle Research</i> , 2011, 13, 499-510.	0.8	70
20	Electrical switching of perpendicular magnetization in a single ferromagnetic layer. <i>Physical Review B</i> , 2020, 101, .	1.1	66
21	Synthesis of palladium metal nanoparticles in the bicontinuous cubic phase of glycerol monooleate. <i>Journal of the American Chemical Society</i> , 1994, 116, 2135-2136.	6.6	56
22	Synthesis of nir-sensitive Au@Au ₂ S nanocolloids for drug delivery. <i>Materials Science and Engineering C</i> , 2003, 23, 113-116.	3.8	56
23	Low-temperature deposition of L10 FePt films for ultra-high density magnetic recording. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 303, 309-317.	1.0	55
24	The process-controlled magnetic properties of nanostructured Co/Ag composite films. <i>Journal of Applied Physics</i> , 1991, 70, 5882-5884.	1.1	52
25	Strain Engineering of Octahedral Rotations and Physical Properties of SrRuO ₃ Films. <i>Scientific Reports</i> , 2015, 5, 10245.	1.6	51
26	Stability and hybridization-driven aggregation of silver nanoparticle-oligonucleotide conjugates. <i>New Journal of Chemistry</i> , 2005, 29, 812.	1.4	49
27	Synthesis of LiYF ₄ , BaYF ₅ , and NaLaF ₄ Optical Nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 2790-2794.	0.9	49
28	In vivo toxic studies and biodistribution of near infrared sensitive Au@Au ₂ S nanoparticles as potential drug delivery carriers. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 2581-2588.	1.7	48
29	Magnetic and hardness properties of nanostructured Ni@Co films deposited by a nonaqueous electroless method. <i>Applied Physics Letters</i> , 1999, 74, 1889-1891.	1.5	46
30	Imaging Cells and Tissues with Refractive Index Radiology. <i>Biophysical Journal</i> , 2004, 87, 4180-4187.	0.2	44
31	Effect of lattice mismatch on chemical ordering of epitaxial L10 FePt films. <i>Journal of Applied Physics</i> , 2005, 97, 10H303.	1.1	44
32	Granular L10 FePt-X (X=C, TiO ₂ , Ta ₂ O ₅) (001) nanocomposite films with small grain size for high density magnetic recording. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	43
33	Alternative approach to nanocomposite synthesis by sputtering. <i>Applied Physics Letters</i> , 1990, 56, 1853-1855.	1.5	42
34	Alternative approach to electroless Cu metallization of AlN by a nonaqueous polyol process. <i>Applied Physics Letters</i> , 1997, 70, 2315-2317.	1.5	40
35	The role of octahedral tilting in the structural phase transition and magnetic anisotropy in SrRuO ₃ thin film. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	40
36	Single stranded DNA stabilization and assembly of Au nanoparticles of different sizes. <i>Chemical Physics</i> , 2006, 323, 304-312.	0.9	39

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37	An investigation of structure, magnetic properties and magnetoresistance of Ni films prepared by sputtering. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 284, 303-311.	1.0	37
38	Formation threshold and structural evolution of molybdenum nanocrystals with sputtering pressure. <i>Journal of Materials Research</i> , 1991, 6, 8-10.	1.2	36
39	Application of NaYF ₄ :Yb, Er upconversion fluorescence nanocrystals for solution-processed near infrared photodetectors. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	36
40	Homogeneous dispersion of nanostructured aluminum nitride in a polyimide matrix. <i>Advanced Materials</i> , 1994, 6, 481-484.	11.1	35
41	Ni@NiO core-shell nanoclusters with cubic shape by nanocluster beam deposition. <i>Applied Physics Letters</i> , 2007, 90, 043111.	1.5	34
42	Overcoming the Limits of the Interfacial Dzyaloshinskii-Moriya Interaction by Antiferromagnetic Order in Multiferroic Heterostructures. <i>Advanced Materials</i> , 2020, 32, e1904415.	11.1	34
43	Magnetic properties of permalloy-coated organic tubules. <i>Journal of Applied Physics</i> , 1991, 70, 6404-6406.	1.1	32
44	High coercive L10 FePt/C (001) nanocomposite films with small grain size for perpendicular recording media. <i>Journal of Applied Physics</i> , 2008, 103, 07F517.	1.1	32
45	Critical shell thickness and emission enhancement of NaYF ₄ :Yb,Er/NaYF ₄ /silica core/shell/shell nanoparticles. <i>Journal of Materials Research</i> , 2009, 24, 3559-3568.	1.2	32
46	Effects of size and surface on luminescence properties of submicron upconversion NaYF ₄ :Yb,Er particles. <i>Journal of Materials Research</i> , 2009, 24, 2042-2050.	1.2	29
47	Synthesis and processing of nanostructured M50 type steel. <i>Scripta Materialia</i> , 1994, 4, 139-147.	0.5	28
48	Cisplatin-loaded Au ₂ S nanoparticles for potential cancer therapy: Cytotoxicity, <i>in vitro</i> carcinogenicity, and cellular uptake. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 85A, 787-796.	2.1	28
49	Improvement of chemical ordering of FePt (001) oriented films by MgO buffer layer. <i>Journal of Applied Physics</i> , 2008, 103, 07E143.	1.1	28
50	Self-Arrangement of Molybdenum Particles into Cubes. <i>Science</i> , 1991, 251, 1590-1592.	6.0	27
51	Application of microwave heating to ceramic processing: Design and initial operation of a 2.45-GHz single-mode furnace. <i>IEEE Transactions on Plasma Science</i> , 1996, 24, 1041-1049.	0.6	27
52	FePt/C graded media for ultra-high density magnetic recording. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 185001.	1.3	27
53	Perpendicular Magnetic Anisotropy and Dzyaloshinskii-Moriya Interaction at an Oxide/Ferromagnetic Metal Interface. <i>Physical Review Letters</i> , 2020, 124, 217202.	2.9	27
54	Topological hall transport: Materials, mechanisms and potential applications. <i>Progress in Materials Science</i> , 2022, 130, 100971.	16.0	27

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55	Narrowing sputtered nanoparticle size distributions. Journal of Materials Research, 1993, 8, 995-1000.	1.2	26
56	Fabrication of biologically based microstructure composites for vacuum field emission. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1992, 158, 1-6.	2.6	25
57	Compositional and thermal effects on chemically processed AlN-BN nanocomposite powders. Journal of Materials Research, 1994, 9, 168-175.	1.2	25
58	Microstructural and magnetic properties of L1 ₀ FePt/C (0at%0at%1) textured nanocomposite films grown on different intermediate layers. Journal Physics D: Applied Physics, 2008, 41, 205001.	1.3	25
59	High coercive FePt and FePt-SiNx(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, .	1.1	25
60	The Effect of Membrane Charge on Gold Nanoparticle Synthesis via Surfactant Membranes. Journal of Colloid and Interface Science, 1999, 210, 73-85.	5.0	24
61	Structure and magnetic properties of in-plane oriented FePt-Ag nanocomposites. Journal of Applied Physics, 2003, 93, 7577-7579.	1.1	24
62	Epitaxial L10 FePt magnetic thin films sputtered on Cu (001). Applied Physics Letters, 2003, 82, 1902-1904.	1.5	24
63	Perpendicular anisotropy L10-FePt based pseudo spin valve with Ag spacer layer. Applied Physics Letters, 2011, 98, 132501.	1.5	24
64	Well-isolated L10 FePt-SiNx-C nanocomposite films with large coercivity and small grain size. Journal of Applied Physics, 2012, 111, 07A308.	1.1	24
65	Interfacial Coupling-Induced Ferromagnetic Insulator Phase in Manganite Film. Nano Letters, 2016, 16, 4174-4180.	4.5	24
66	Thickness-dependent polarization-induced intrinsic magnetoelectric effects in L_1_0FePt/Ag	1.1	24
67	Polymerized phospholipid membrane mediated synthesis of metal nanoparticles. Langmuir, 1994, 10, 4095-4102.	1.6	23
68	Phospholipid Mediated Synthesis and Characterization of Gold Nanoparticles. Journal of Colloid and Interface Science, 1996, 183, 135-142.	5.0	23
69	Structure determination of nanostructured Ni-Co films by anomalous x-ray scattering. Applied Physics Letters, 1999, 75, 2503-2505.	1.5	22
70	L1 FePt-ZrO2 (001) nanostructured films with high aspect ratio columnar grains. Applied Physics Letters, 2014, 104, .	1.5	22
71	Inhibition of DNA hybridization by small metal nanoparticles. Biophysical Chemistry, 2006, 120, 87-95.	1.5	21
72	Effects of Mn doping on temperature-dependent magnetic properties of L10 FeMnPt. Journal of Applied Physics, 2011, 109, 07B747.	1.1	21

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73	Hydrothermal epitaxial multiferroic BiFeO ₃ thick film by addition of the PVA. Journal of Alloys and Compounds, 2013, 577, 44-48.	2.8	21
74	Chemical precipitation and properties of nanocrystalline Fe _{1-x} Cu alloy and composite powders. Scripta Materialia, 1992, 1, 361-368.	0.5	20
75	Sputter deposition of nanocrystals and nanocomposites. Scripta Materialia, 1992, 1, 107-111.	0.5	20
76	Nanostructured Co _{1-x} Cu powders via a chemical route. Scripta Materialia, 1993, 2, 131-138.	0.5	20
77	Structural and magnetic properties of perpendicular FePt thin films with inserted Ag layer. Journal of Applied Physics, 2004, 95, 7495-7497.	1.1	20
78	Engineering Inorganic Hybrid Nanoparticles: Tuning Combination Fashions of Gold, Platinum, and Iron Oxide. Langmuir, 2008, 24, 13197-13202.	1.6	20
79	L10 CoPt/Ta ₂ O ₅ exchange coupled multilayer media for magnetic recording. Applied Physics Letters, 2009, 94, 232502.	1.5	20
80	Control of Microstructure and Magnetic Properties of FePt Films With TiN Intermediate Layer. IEEE Transactions on Magnetics, 2013, 49, 668-674.	1.2	20
81	Control of Microstructure and Magnetic Properties of FePt Films With TiN Intermediate Layer. IEEE Transactions on Magnetics, 2013, 49, 668-674. spin transfer in perovskite $\text{Pr}_{0.67}\text{Sr}_{0.33}\text{TiO}_3$	1.1	20
82	Facile patterning of upconversion NaYF ₄ :Yb,Er nanoparticles. Journal of Colloid and Interface Science, 2011, 353, 569-573.	5.0	19
83	Effect of oxygen vacancies on the electronic structure and transport properties of SrRuO ₃ thin films. Journal of Applied Physics, 2013, 113, .	1.1	19
84	FePt/TiO ₂ exchange coupled composite media with well-isolated columnar microstructure for high density magnetic recording. Journal of Applied Physics, 2010, 107, .	1.1	18
85	Valence states of nanocrystalline Ceria under combined effects of hydrogen reduction and particle size. Applied Physics Letters, 2010, 96, .	1.5	18
86	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. Advanced Functional Materials, 2018, 28, 1801766.	7.8	18
87	Enhanced Magnetic Anisotropy and Orbital Symmetry Breaking in Manganite Heterostructures. Advanced Functional Materials, 2020, 30, 1909536.	7.8	17
88	Microstructure of FePt nanoparticles produced by nanocluster beam. Journal of Crystal Growth, 2006, 293, 175-185.	0.7	16
89	Development of 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.	1.2	16
90	Where is the Ag in FePt/Ag composite films?. Applied Physics Letters, 2011, 98, 131914.	1.5	16

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91	Effect of TiO ₂ /MgO intermediate layer on microstructure and magnetic properties of L1 ₀ FePt/C/SiO ₂ films. Journal of Magnetism and Magnetic Materials, 2016, 417, 203-207.	1.0	16
92	Perovskite Light-Emitting Diodes with Near Unit Internal Quantum Efficiency at Low Temperatures. Advanced Materials, 2021, 33, e2006302.	11.1	16
93	Demonstration of vacuum field emission from a self-assembling biomolecular microstructure composite. Applied Physics Letters, 1992, 60, 1556-1558.	1.5	15
94	Direct ordering and shape effects of FePt nanoparticles produced by nanoparticle beam technology. Journal of Applied Physics, 2005, 98, 064306.	1.1	15
95	Directional short range order in L ₁ magnetic thin films. Physical Review B, 2011, 84, .		
96	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, .	1.1	15
97	Nanogranular TiN-ZrO ₂ intermediate layer induced improvement of isolation and grain size of FePt thin films. Scientific Reports, 2014, 4, 5607.	1.6	15
98	Large lattice mismatch effects on the epitaxial growth and magnetic properties of FePt films. Journal of Magnetism and Magnetic Materials, 2018, 446, 125-134.	1.0	15
99	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.	3.8	15
100	Structural study of CoCrPt films by anomalous x-ray scattering and extended x-ray absorption fine structure. Applied Physics Letters, 2002, 80, 1607-1609.	1.5	14
101	Synthesis and characterizations of Ni/Fe@spinel oxide core-shell nanoparticles. Materials Research Bulletin, 2009, 44, 1195-1199.	2.7	14
102	Materials fabrication via polymerizable selforganized membranes: An overview. Scripta Materialia, 1995, 5, 141-153.	0.5	13
103	Electroless polyol deposition and magnetic properties of nanostructured Ni ₅₀ Co ₅₀ films. Journal of Applied Physics, 2000, 88, 2125-2129.	1.1	13
104	Thermodynamics of surface compositional segregation in Ni/Co nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 95, 116-123.	1.7	13
105	Compositional dependence of magnetic properties of Co/Pt thin films. Journal of Applied Physics, 2006, 100, 054909.	1.1	13
106	Synthesis and properties of poly(D,L-lactide) drug carrier with maghemite nanoparticles. Materials Science and Engineering C, 2010, 30, 618-623.	3.8	13
107	Size-dependent transformation from Ag templates to Au/Ag nanoshells via galvanic replacement reaction in organic medium. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	13
108	Atomic-Scale Control of Magnetism at the Titanite-Manganite Interfaces. Nano Letters, 2019, 19, 3057-3065.	4.5	13

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109	Sputtering synthesis and properties of molybdenum nanocrystals and Al/Mo layered nanocomposites. Journal of Materials Research, 1991, 6, 737-743.	1.2	12
110	A depth profile study of the structure and strain distribution in chemically grown Cu films on AlN. Scripta Materialia, 1999, 12, 653-656.	0.5	12
111	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
112	A review of L1 ₀ FePt films for high-density magnetic recording. International Journal of Product Development, 2008, 5, 238.	0.2	12
113	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.	1.2	12
114	Interlayer magnetic coupling in perpendicular anisotropy L1 ₀ -FePt based pseudo spin valve. Applied Physics Letters, 2011, 98, 252503.	1.5	12
115	Nanocomposite L1 ₀ 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.	1.0	12
116	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.	1.6	12
117	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.	1.1	11
118	Structural and Optical Properties of Sol-Gel-Derived Au/BaTiO ₃ Nanocomposite Thin Films. Journal of the American Ceramic Society, 2005, 88, 758-767.	1.9	11
119	Improvement of recording performance in FePt perpendicular media by Ag pinning layer. IEEE Transactions on Magnetics, 2005, 41, 3196-3198.	1.2	11
120	Synthesis, structural, magnetic, and cytotoxic properties of iron oxide coated iron/iron-carbide nanocomposite particles. Journal of Applied Physics, 2005, 98, 114306.	1.1	11
121	Interfacial Effects of MgO Buffer Layer on Perpendicular Anisotropy of L1 ₀ FePt Films. IEEE Transactions on Magnetics, 2006, 42, 3017-3019.	1.2	11
122	Spin and Orbital Magnetic Moments of FePt Thin Films. Japanese Journal of Applied Physics, 2006, 45, 2539-2541.	0.8	11
123	Effects of Ru underlayer on microstructures and magnetic properties of Co ₇₂ Pt ₂₈ thin films. Journal of Applied Physics, 2008, 104, .	1.1	11
124	Deposition temperature induced magnetic anisotropy variation in FePt-C soft/hard multilayer films. Journal of Applied Physics, 2011, 109, 063910.	1.1	11
125	(001) textured L1 ₀ -FePt pseudo spin valve with TiN spacer. Applied Physics Letters, 2011, 99, 252503.	1.5	11
126	Crystalline ZrO ₂ doping induced columnar structural FePt films with larger coercivity and high aspect ratio. Journal of Applied Physics, 2015, 117, 17D116.	1.1	11

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127	Tem and hrtem characterization of nanostructured M50 type steel. Scripta Materialia, 1997, 8, 45-54.	0.5	10
128	Enhanced magnetization of nanostructured granular Ni/[Cu(II)â€“Câ€“O] films. Applied Physics Letters, 2002, 80, 1028-1030.	1.5	10
129	Interlayer coupling and switching field of exchange coupled media. Journal of Applied Physics, 2009, 105, 07B733.	1.1	10
130	Magnetolectric Coupling Induced Orbital Reconstruction and Ferromagnetic Insulating State in PbZr_{0.52}Ti_{0.48}O₃/La_{0.67}Sr_{0.33}MnO₃ Heterostructures. ACS Applied Materials & Interfaces, 2020, 12, 35588-35597.	1.0	10
131	Ferroelectric Self-Polarization Controlled Magnetic Stratification and Magnetic Coupling in Ultrathin La_{0.67}Sr_{0.33}MnO₃ Films. ACS Applied Materials & Interfaces, 2021, 13, 30137-30145.	4.0	10
132	TEM and HRTEM characterization of metallized nanotubules derived from bacteria. Scripta Materialia, 1993, 2, 495-503.	0.5	9
133	Iron nitride/boron nitride magnetic nanocomposite powders. Advanced Materials, 1994, 6, 291-292.	11.1	9
134	$\{m L\}_1\{0\}$ Phase CoPt-TiO $_{2}$ /FePt-TiO $_{2}$ Exchange Coupled Media With Small Switching Field. IEEE Transactions on Magnetics, 2010, 46, 1955-1958.	1.2	9
135	Large enhancement of magnetic moment in<i>L</i>₀ordered FePt thin films by Nd substitutional doping. Journal Physics D: Applied Physics, 2015, 48, 255001.	1.3	9
136	Study of perpendicular anisotropy L10-FePt pseudo spin valves using a micromagnetic trilayer model. Journal of Applied Physics, 2015, 117, 213901.	1.1	9
137	Lattice-Mismatch-Induced Oscillatory Feature Size and Its Impact on the Physical Limitation of Grain Size. Physical Review Applied, 2018, 9, .	1.5	9
138	The effects of NiP seed layer in Co-alloy perpendicular thin film media. Journal of Magnetism and Magnetic Materials, 2001, 235, 93-97.	1.0	8
139	Crystallographic origin of perpendicular magnetic anisotropy in CoPt film: polarized x-ray absorption study. Journal Physics D: Applied Physics, 2009, 42, 185007.	1.3	8
140	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.	2.1	8
141	Seedlayer interface enhanced magnetic anisotropy in CoPt (0002)-textured films. Journal of Magnetism and Magnetic Materials, 2009, 321, 3236-3240.	1.0	8
142	Inorganic Nanoparticles for Biomedical Applications. , 2009, , 272-289.		8
143	Polyol Electroless and Electrodeposition of Nanostructured Ni-Co Films and Powders. Journal of the Electrochemical Society, 2002, 149, D27.	1.3	7
144	Magnetic properties and microstructure of FePtâ€“SiO2 nanocomposite films fabricated by nanocluster beam technology. Thin Solid Films, 2006, 510, 286-291.	0.8	7

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145	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.	1.7	7
146	Annealing effect on the FePt/Fe exchange-coupled granular bilayer. Journal of Applied Physics, 2013, 114, 173903.	1.1	7
147	Tuning the Curie temperature of L10 ordered FePt thin films through site-specific substitution of Rh. Journal of Applied Physics, 2014, 116, 143902.	1.1	7
148	Microstructures and Magnetic Properties of FePt Thin Films on TiON Intermediate Layer. IEEE Transactions on Magnetics, 2014, 50, 89-95.	1.2	7
149	Electric-field-induced strain effects on the magnetization of a $P_{r_1}S_{r_2}Mn_{r_3}$ columnar structured FePt films epitaxially grown on large lattice mismatched intermediate layer. Scientific Reports, 2016, 6, 34637.	1.1	7
150	Columnar structured FePt films epitaxially grown on large lattice mismatched intermediate layer. Scientific Reports, 2016, 6, 34637.	1.6	7
151	Investigation of the crystallographic texture and interface roughness on CoCrPt \bar{S} /Ti magnetic thin films. Journal of Applied Physics, 2003, 93, 8725-8727.	1.1	6
152	Triton X-100-Assisted Assembly of 5-nm Au Nanoparticles by DNA Hybridization. Chemistry Letters, 2005, 34, 354-355.	0.7	6
153	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.	0.8	6
154	Nonhydrolytic sol-gel synthesis: Microstructural and morphological study on nickel ferrite nanocrystals coated with oleic acid. Journal of Materials Research, 2008, 23, 1922-1930.	1.2	6
155	Chemical ordering and magnetic properties of L10 CoPt \bar{S} /SiO ₂ nanocomposite. Journal of Applied Physics, 2009, 105, 07B709.	1.1	6
156	Synthesis of PbS nanocrystals from sulfur \bar{S} amine solutions at room temperature. RSC Advances, 2011, 1, 817.	1.7	6
157	Effects of spacer thickness on perpendicular anisotropy $L_{1-FePt/TiN}/L_{1-FePt}$ pseudo spin valves. Journal of Applied Physics, 2012, 111, .	1.1	6
158	Synthesis of BiFeO ₃ nanoparticles with small size. Journal of Sol-Gel Science and Technology, 2012, 64, 104-109.	1.1	6
159	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.	1.1	6
160	M50 nanostructured steel \bar{S} the chemical synthesis and characterization of powders and compacts. Scripta Materialia, 1997, 9, 169-172.	0.5	5
161	Electroless polyol deposition of FeNi-based powders and films. Journal of Materials Research, 2003, 18, 180-187.	1.2	5
162	Sputtered FePt films with uniform nanoscale grain size on Cu (001) single crystal. Journal of Applied Physics, 2005, 97, 10J103.	1.1	5

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163	Microstructure and direct ordering of FePt nanoparticles produced by nanocluster beam technology. Nanotechnology, 2007, 18, 435604.	1.3	5
164	Structure and microstructure of near infrared-absorbing Au ₂ S nanoparticles. Journal of Materials Research, 2007, 22, 2531-2538.	1.2	5
165	Interfacial control of domain structure and magnetic anisotropy in La _{0.67} Sr _{0.33} MnO ₃ manganite heterostructures. Physical Review B, 2021, 104, .	1.1	5
166	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.	1.5	4
167	Atomistic Modeling of the Interlayer Coupling Behavior in Perpendicularly Magnetized L ₁ -FePt/Ag/L ₁ -FePt Pseudo Spin Valves. IEEE Transactions on Magnetics, 2011, 47, 2646-2648.	1.2	4
168	Micromagnetic modelling of L ₁₀ -FePt/Ag/L ₁₀ -FePt pseudo spin valves. Applied Physics Letters, 2011, 99, 162503.	1.5	4
169	Ultra-thin L ₁₀ -FePt for perpendicular anisotropy L ₁₀ -FePt/Ag/[Co/Pd] ₃₀ pseudo spin valves. Journal of Applied Physics, 2014, 115, 17C102.	1.1	4
170	Spatiotemporally separating electron and phonon thermal transport in L ₁₀ FePt films for heat assisted magnetic recording. Journal of Applied Physics, 2014, 115, 243907.	1.1	4
171	Tuning Irreversible Magnetoresistance in Pr _{0.67} Sr _{0.33} MnO ₃ Film via Octahedral Rotation. ACS Applied Materials & Interfaces, 2020, 12, 43222-43230.	4.0	4
172	Structural Effects of Ti Underlayer on CoCrPt Magnetic Films. Journal of Nanoscience and Nanotechnology, 2001, 1, 271-273.	0.9	3
173	Field dependence of spin and orbital moments of Fe in L ₁₀ FePt magnetic thin films. Journal of Magnetism and Magnetic Materials, 2006, 303, e247-e250.	1.0	3
174	Electric-Field Effect on Magnetic Properties of FePt/PZN-PT Heterostructures. IEEE Transactions on Magnetics, 2011, 47, 4402-4404.	1.2	3
175	Investigation of Heat-Assisted Magnetic Recording Media Films in Four Dimensions. IEEE Transactions on Magnetics, 2013, 49, 2510-2513.	1.2	3
176	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.	2.8	3
177	Conformationally stabilizing self-assembling nanostructured delivery vehicles for biochemically reactive pairs. Scripta Materialia, 1995, 5, 233-247.	0.5	2
178	Effects of postdeposition annealing on structural and magnetic properties of CoCrPt/Ti thin films. Journal of Applied Physics, 2004, 95, 7303-7305.	1.1	2
179	Monte Carlo Simulation of Surface Segregation in Nanoparticles. Journal of Metastable and Nanocrystalline Materials, 2005, 23, 203-206.	0.1	2
180	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.	1.1	2

#	ARTICLE	IF	CITATIONS
181	Chemical Synthesis of Nanostructured Particles and Films. , 2007, , 3-46.		2
182	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.	1.1	2
183	The structure and magnetic properties of NiO with different sizes. , 2008, , .		2
184	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.	1.2	2
185	Investigation of spin and orbital moments of L10 FePtRh thin films. Journal of Applied Physics, 2012, 111, 07C120.	1.1	2
186	Control of the Microstructure of FePt-SiN _m -C (001) Film by a Nucleation Layer Grown on TiN Intermediate Layer. IEEE Transactions on Magnetics, 2013, 49, 3299-3302.	1.2	2
187	Correlated cation lattice symmetry and oxygen octahedral rotation in perovskite oxide heterostructures. Journal of Applied Physics, 2021, 129, 025303.	1.1	2
188	Formation of self-arranging Mo cubes. Solid State Communications, 1993, 86, 323-326.	0.9	1
189	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
190	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.	0.6	1
191	Interfacial Coupling and Polarization of Perovskite ABO ₃ Heterostructures. Microscopy and Microanalysis, 2017, 23, 1586-1587.	0.2	1
192	Large-Scale Epitaxial Growth of Ultralong Stripe BiFeO ₃ Films and Anisotropic Optical Properties. ACS Applied Materials & Interfaces, 2022, , .	4.0	1
193	Nanostructured Ni _x /Co _{100-x} films deposited by electroless polyol method. , 0, , .		0
194	Study of the crystallographic texture and interface roughness on CoCrPt/Ti magnetic thin film using x-ray scattering and x-ray reflectivity. , 0, , .		0
195	FePt-Ag Nanocomposite Thin Films with Longitudinal Magnetic Anisotropy. Journal of Nanoscience and Nanotechnology, 2004, 4, 704-707.	0.9	0
196	FePt perpendicular recording media with Ag layer inserted. , 2005, , .		0
197	Thermodynamic Modeling of Surface Segregation in Au-Ti Nanoparticles. Journal of Metastable and Nanocrystalline Materials, 2005, 23, 259-262.	0.1	0
198	The Effects of Substrate Position on Electroless Polyol Deposited Nanostructured FeNi Films. Journal of Nanoscience and Nanotechnology, 2006, 6, 1024-1030.	0.9	0

#	ARTICLE	IF	CITATIONS
199	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.	1.0	0
200	Investigation of Elemental Magnetic Moments of CoCrPt Films Using X-Ray Magnetic Circular Dichroism. Solid State Phenomena, 2006, 111, 191-0.	0.3	0
201	Initial layer in FePt perpendicular media with different buffer layers. International Journal of Surface Science and Engineering, 2009, 3, 103.	0.4	0
202	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
203	MONTE CARLO SIMULATION OF SURFACE SEGREGATION IN Ni-Co NANOPARTICLES. , 2002, , .		0