

Sam E Lofland

List of Publications by Year in descending order

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242
papers

11,690
citations

38742

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102
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248
docs citations

248
times ranked

11733
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiferroic BaTiO ₃ -CoFe ₂ O ₄ Nanostructures. <i>Science</i> , 2004, 303, 661-663.	12.6	2,051
2	High Temperature Ferromagnetism with a Giant Magnetic Moment in Transparent Co-doped SnO ₂ . <i>Physical Review Letters</i> , 2003, 91, 077205.	7.8	816
3	On the origin of high-temperature ferromagnetism in the low-temperature-processed Mn-Zn-O system. <i>Nature Materials</i> , 2004, 3, 709-714.	27.5	459
4	Electrical transport, thermal transport, and elastic properties of M ₂ AlC (M=Ti, Cr, Nb, and V). <i>Physical Review B</i> , 2005, 72, .	3.2	258
5	Identification of novel compositions of ferromagnetic shape-memory alloys using composition spreads. <i>Nature Materials</i> , 2003, 2, 180-184.	27.5	239
6	Ferromagnetism in laser deposited anatase Ti _{1-x} Co _x O ₂ films. <i>Physical Review B</i> , 2003, 67, .	3.2	232
7	Stress-induced effects in epitaxial (La _{0.7} Sr _{0.3})MnO ₃ films. <i>Journal of Magnetism and Magnetic Materials</i> , 1997, 172, 229-236.	2.3	223
8	Material characteristics of perovskite manganese oxide thin films for bolometric applications. <i>Applied Physics Letters</i> , 1997, 71, 2535-2537.	3.3	219
9	Nanorods of manganese oxalate: a single source precursor to different manganese oxide nanoparticles (MnO, Mn ₂ O ₃ , Mn ₃ O ₄). <i>Journal of Materials Chemistry</i> , 2004, 14, 3406.	6.7	203
10	Giant magnetostriction in annealed Co _{1-x} Fe _x thin-films. <i>Nature Communications</i> , 2011, 2, 518.	12.8	188
11	An investigation of structural, magnetic and dielectric properties of R ₂ NiMnO ₆ (R=rare earth, Y). <i>Materials Research Bulletin</i> , 2009, 44, 1559-1564.	5.2	168
12	Continuous carbide-derived carbon films with high volumetric capacitance. <i>Energy and Environmental Science</i> , 2011, 4, 135-138.	30.8	168
13	Self-assembled single-crystal ferromagnetic iron nanowires formed by decomposition. <i>Nature Materials</i> , 2004, 3, 533-538.	27.5	165
14	Elastic and electronic properties of select M ₂ AX phases. <i>Applied Physics Letters</i> , 2004, 84, 508-510.	3.3	149
15	Bulk synthesis and high-temperature ferromagnetism of (In _{1-x} Fe _x) ₂ O ₃ with Cu co-doping. <i>Applied Physics Letters</i> , 2005, 86, 042506.	3.3	132
16	Micro-supercapacitors from carbide derived carbon (CDC) films on silicon chips. <i>Journal of Power Sources</i> , 2013, 225, 240-244.	7.8	129
17	Magnetic and electrochemical properties of nickel oxide nanoparticles obtained by the reverse-micellar route. <i>Solid State Sciences</i> , 2006, 8, 425-430.	3.2	114
18	Amino Acid Based MOFs: Synthesis, Structure, Single Crystal to Single Crystal Transformation, Magnetic and Related Studies in a Family of Cobalt and Nickel Aminoisophthales. <i>Inorganic Chemistry</i> , 2009, 48, 11660-11676.	4.0	113

#	ARTICLE	IF	CITATIONS
19	Bimetallic Cu-Ni nanoparticles of varying composition (CuNi ₃ , CuNi, Cu ₃ Ni). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 331, 206-212.	4.7	112
20	Growth of colossal magnetoresistance thin films on silicon. Applied Physics Letters, 1996, 69, 1005-1007.	3.3	111
21	Thermal expansion of select Mn+1AX _n (M=early transition metal, A=Agroupelement, X=C or N) phases measured by high temperature x-ray diffraction and dilatometry. Journal of Applied Physics, 2009, 105, .	2.5	107
22	Film thickness and temperature dependence of the magnetic properties of pulsed-laser-deposited Fe ₃ O ₄ films on different substrates. Physical Review B, 2001, 64, .	3.2	106
23	Correlation between magnetic homogeneity, oxygen content, and electrical and magnetic properties of perovskite manganite thin films. Applied Physics Letters, 1998, 73, 2672-2674.	3.3	99
24	Microemulsion-mediated synthesis of cobalt (pure fcc and hexagonal phases) and cobalt-nickel alloy nanoparticles. Journal of Colloid and Interface Science, 2009, 336, 814-819.	9.4	99
25	Magnetic phase transition in La _{0.7} Sr _{0.3} MnO ₃ : Microwave absorption studies. Physical Review B, 1997, 55, 2749-2751.	3.2	96
26	The Hydrothermal Synthesis of Transition Metal Complex Templated Octamolybdates. European Journal of Inorganic Chemistry, 2007, 2007, 568-578.	2.0	96
27	Development of a microemulsion-based process for synthesis of cobalt (Co) and cobalt oxide (Co ₃ O ₄) nanoparticles from submicrometer rods of cobalt oxalate. Journal of Colloid and Interface Science, 2008, 321, 434-441.	9.4	92
28	Ferromagnetic resonance and magnetic homogeneity in a giant-magnetoresistance material La _{2/3} Ba _{1/3} MnO ₃ . Physical Review B, 1995, 52, 15058-15061.	3.2	91
29	Electronic, thermal, and elastic properties of Ti ₃ Si _{1-x} GexC ₂ solid solutions. Physical Review B, 2004, 70, .	3.2	88
30	Temperature and field dependence of microwave losses in manganite powders. Journal of Applied Physics, 1999, 86, 1067-1072.	2.5	82
31	Electronic and thermal properties of Ti ₃ Al(C _{0.5} N _{0.5}) ₂ , Ti ₂ Al(C _{0.5} N _{0.5}) and Ti ₂ AlN. Journal of Applied Physics, 2008, 104, .	2.5	82
32	Electron-phonon coupling in Mn+1AX _n -phase carbides. Physical Review B, 2006, 74, .	3.2	81
33	Nanospheres, Nanocubes, and Nanorods of Nickel Oxalate: Control of Shape and Size by Surfactant and Solvent. Journal of Physical Chemistry C, 2008, 112, 12610-12615.	3.1	80
34	Tunable multiferroic properties in nanocomposite PbTiO ₃ -CoFe ₂ O ₄ epitaxial thin films. Applied Physics Letters, 2005, 87, 112901.	3.3	78
35	Electron spin resonance measurements in La _{1-x} Sr _x MnO ₃ . Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 233, 476-480.	2.1	76
36	Improved properties of La _{2/3} Ca _{1/3} MnO ₃ thin films by addition of silver. Applied Physics Letters, 1999, 74, 2857-2859.	3.3	72

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37	Electrical, thermal, and elastic properties of the MAX -phase Ti_2SC . Journal of Applied Physics, 2008, 104, .	2.5	69
38	Structural characterization, optical and magnetic properties of Ni-doped CdO dilute magnetic semiconductor nanoparticles. Journal of Materials Research, 2013, 28, 1245-1253.	2.6	65
39	Effect of lattice mismatch strains on the structural and magnetic properties of barium ferrite films. Applied Physics Letters, 1998, 72, 3443-3445.	3.3	64
40	Thickness-Dependent Crossover from Charge- to Strain-Mediated Magnetoelectric Coupling in Ferromagnetic/Piezoelectric Oxide Heterostructures. ACS Nano, 2014, 8, 894-903.	14.6	61
41	Binary $\text{Fe}^{\sim}\text{Co}$ Alloy Nanoparticles Showing Significant Enhancement in Electrocatalytic Activity Compared with Bulk Alloys. Journal of Physical Chemistry C, 2010, 114, 18779-18784.	3.1	60
42	Are "single phase" manganite samples truly homogeneous? A magnetic resonance study. Solid State Communications, 1996, 97, 193-196.	1.9	58
43	Low-temperature transport properties of nanolaminates Ti_3AlC_2 and Ti_4AlN_3 . Physical Review B, 2003, 67, .	3.2	57
44	Multimode quantitative scanning microwave microscopy of <i>in situ</i> grown epitaxial $\text{Ba}_{1-x}\text{Sr}_x\text{TiO}_3$ composition spreads. Applied Physics Letters, 2001, 79, 4411-4413.	3.3	56
45	Microstructure and phase control in $\text{Bi}^{\sim}\text{Fe}^{\sim}\text{O}$ multiferroic nanocomposite thin films. Applied Physics Letters, 2006, 88, 112505.	3.3	56
46	Magnetic transition and electronic transport in colossal magnetoresistance perovskites. Physical Review B, 1997, 56, 13705-13707.	3.2	55
47	Co-doped $\text{La}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$: Diluted magnetic oxide system with high Curie temperature. Applied Physics Letters, 2003, 83, 2199-2201.	3.3	55
48	Study on the solid solution of $\text{YMn}_{1-x}\text{Fe}_x\text{O}_3$: Structural, magnetic and dielectric properties. Journal of Solid State Chemistry, 2008, 181, 61-66.	2.9	54
49	Giant magnetoresistive memory effect in $\text{Nd}_{0.7}\text{Sr}_{0.3}\text{MnO}_z$ films. Applied Physics Letters, 1995, 67, 3031-3033.	3.3	51
50	Ferromagnetic resonance and intrinsic properties of $\text{La}_{0.67}\text{Ba}_{0.33}\text{MnO}_z$. Journal of Applied Physics, 1996, 79, 5166.	2.5	51
51	Low-field microwave magnetoimpedance in amorphous microwires. Journal of Applied Physics, 1999, 85, 4442-4444.	2.5	51
52	Investigating new symmetry classes in magnetorheological elastomers: cantilever bending behavior. Smart Materials and Structures, 2011, 20, 105022.	3.5	51
53	Solvothermal synthesis, optical and magnetic properties of nanocrystalline $\text{Cd}_{1-x}\text{Mn}_x\text{O}$ ($0.04 \leq x \leq 0.10$) solid solutions. Journal of Alloys and Compounds, 2013, 558, 117-124.	5.5	51
54	Giant Magnetoresistance at Microwave Frequencies. Europhysics Letters, 1995, 32, 349-353.	2.0	50

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55	Room temperature colossal microwave magnetoimpedance in micron-size powders of La _{0.7} Ba _{0.3} MnO ₃ and La _{0.7} Sr _{0.3} MnO ₃ —A novel magnetic tape. <i>Journal of Applied Physics</i> , 1998, 83, 2866-2868.	2.5	50
56	Synthesis and characterization of Nb ₂ AlC thin films. <i>Thin Solid Films</i> , 2009, 517, 2920-2923.	1.8	47
57	Magnetic and Sorption Properties of Supramolecular Systems Based on Pentanuclear Copper(II) 12-Metallacrown-4 Complexes and Isomeric Phthalates: Structural Modeling of the Different Stages of Alcohol Sorption. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4826-4836.	2.0	47
58	A nickel(II) di-½-phenolato bridged dinuclear complex: Weak antiferromagnetic interactions in nickel(II) dimers. <i>Inorganica Chimica Acta</i> , 2007, 360, 2245-2254.	2.4	46
59	Ferromagnetism at room temperature in La _{0.8} Ca _{0.2} MnO ₃ thin films. <i>Applied Physics Letters</i> , 1999, 74, 1886-1888.	3.3	43
60	Indications of phase separation in polycrystalline La _{1-x} Sr _x MnO ₃ for x ~ 0.5. <i>Physical Review B</i> , 2000, 62, 9548-9554.	3.2	43
61	Microwave magnetoabsorption in glass-coated amorphous microwires with radii close to skin depth. <i>Journal of Applied Physics</i> , 2002, 92, 2058-2063.	2.5	43
62	Combinatorial search of structural transitions: Systematic investigation of morphotropic phase boundaries in chemically substituted BiFeO ₃ . <i>Journal of Materials Research</i> , 2012, 27, 2691-2704.	2.6	43
63	Low-field microwave magnetoabsorption in manganites. <i>Applied Physics Letters</i> , 1996, 68, 2893-2895.	3.3	42
64	Giant microwave magnetoimpedance in a single crystal of La _{0.7} Sr _{0.3} MnO ₃ : The effect of ferromagnetic antiresonance. <i>Journal of Applied Physics</i> , 1996, 80, 3592-3594.	2.5	42
65	Structural, electrical transport, magnetization, and 1/f noise studies in 200MeV Ag ion irradiated La _{0.7} Ce _{0.3} MnO ₃ thin films. <i>Journal of Applied Physics</i> , 2004, 96, 7383-7387.	2.5	42
66	Nanorods of Copper and Nickel Oxalates Synthesized by the Reverse Micellar Route. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 1840-1845.	0.9	42
67	Dynamic characterization of bimodal particle mixtures in silicone rubber magnetorheological materials. <i>Polymer Testing</i> , 2008, 27, 931-935.	4.8	42
68	Search for ferromagnetism in undoped and cobalt-doped HfO ₂ . <i>Applied Physics Letters</i> , 2006, 88, 142505.	3.3	41
69	Protein and Polysaccharide-Based Magnetic Composite Materials for Medical Applications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 186.	4.1	40
70	Crystallization of Anderson-Evans Type Chromium Molybdate Solids Incorporated with a Metal Pyrazine Complex or Coordination Polymer. <i>Crystal Growth and Design</i> , 2010, 10, 5105-5112.	3.0	39
71	Enhanced Electrocatalytic Activity of Copper-Cobalt Nanostructures. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14526-14533.	3.1	39
72	Tuning the multiferroic properties of Pb(Fe _{1/2} Nb _{1/2})O ₃ by cationic substitution. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 280, 221-226.	2.3	38

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73	Combinatorial investigation of magnetostriction in Fe ²⁺ Ga and Fe ²⁺ Ga ²⁺ Al. Applied Physics Letters, 2008, 93, .	3.3	38
74	Thermal Conductivity of Protein-Based Materials: A Review. Polymers, 2019, 11, 456.	4.5	38
75	Dependence of exchange coupling interaction on micromagnetic constants in hard/soft magnetic bilayer systems. Physical Review B, 2007, 75, .	3.2	36
76	Design of Anisotropic Co ₃ O ₄ Nanostructures: Control of Particle Size, Assembly, and Aspect Ratio. Crystal Growth and Design, 2012, 12, 4202-4210.	3.0	36
77	Realization of epitaxial barium ferrite films of high crystalline quality with small resonance losses. Journal of Applied Physics, 1999, 85, 7459-7466.	2.5	35
78	Ferromagnetic resonance in a crystal of La _{0.7} Sr _{0.3} MnO ₃ . Journal of Applied Physics, 1997, 81, 5737-5738.	2.5	34
79	Exchange bias in thin-film (Co/Pt) ₃ /Cr ₂ O ₃ multilayers. Journal of Magnetism and Magnetic Materials, 2009, 321, 1955-1958.	2.3	34
80	Synthesis of Homogeneous NiO@SiO ₂ Core-shell Nanostructures and the Effect of Shell Thickness on the Magnetic Properties. Crystal Growth and Design, 2009, 9, 1666-1670.	3.0	34
81	Numerical simulation and experimental validation of the large deformation bending and folding behavior of magneto-active elastomer composites. Smart Materials and Structures, 2014, 23, 094004.	3.5	34
82	Defect driven magnetism in calcium hexaboride. Physical Review B, 2003, 67, .	3.2	33
83	Weak electronic anisotropy in the layered nanolaminate Ti ₂ GeC. Solid State Communications, 2008, 146, 498-501.	1.9	33
84	Synthesis and characterization of different shaped Sm ₂ O ₃ nanocrystals. Journal Physics D: Applied Physics, 2010, 43, 405401.	2.8	33
85	Formic Acid Regenerated Mori, Tussah, Eri, Thai, and Muga Silk Materials: Mechanism of Self-Assembly. ACS Biomaterials Science and Engineering, 2019, 5, 6361-6373.	5.2	33
86	Improvement in spin-wave resonance characteristics of epitaxial barium-ferrite thin films by using an aluminum-doped strontium-ferrite buffer layer. Applied Physics Letters, 1999, 74, 594-596.	3.3	31
87	Magnetotransport properties of the ternary carbide Ti ₃ SiC ₂ : Hall effect, magnetoresistance, and magnetic susceptibility. Physical Review B, 2001, 65, .	3.2	31
88	Structure, magnetic and luminescence properties of the lanthanide complexes Ln ₂ (Salphen) ₃ ·H ₂ O (Ln=Pr, Nd, Sm, Eu, Gd, Tb, Dy; H ₂ Salphen=N,N'-bis(salicylidene)-1,2-phenylenediamine). Inorganica Chimica Acta, 2014, 414, 97-104.	2.4	31
89	Standing spin wave resonances in manganite films. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 209, 246-248.	2.1	29
90	Optical and magnetic properties of solid solutions of In _{2-x} Mn _x O ₃ (0.05, 0.10 and 0.15) nanoparticles. Journal of Alloys and Compounds, 2012, 545, 162-167.	5.5	29

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91	Silver Oxide Coatings with High Silver-Ion Elution Rates and Characterization of Bactericidal Activity. <i>Molecules</i> , 2017, 22, 1487.	3.8	29
92	Ferromagnetic resonance in FeCoNi electroplated wires. <i>Journal of Applied Physics</i> , 2003, 94, 1868-1872.	2.5	28
93	Reverse micellar synthesis and properties of nanocrystalline GMR materials (LaMnO ₃). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6</i> <i>Sciences</i> , 2006, 118, 513-518.	1.5	28
94	Magnetic and photocatalytic properties of nanocrystalline ZnMn ₂ O ₄ . <i>Bulletin of Materials Science</i> , 2009, 32, 231-237.	1.7	28
95	Highly Efficient Electrochemical CO ₂ Reduction Reaction to CO with One-Pot Synthesized Co-Pyridine-Derived Catalyst Incorporated in a Nafion-Based Membrane Electrode Assembly. <i>Advanced Energy Materials</i> , 2020, 10, 2001645.	19.5	28
96	Spectral, magnetic and electrochemical studies of layered manganese oxides with P2 and O2 structure. <i>Journal of Materials Chemistry</i> , 2003, 13, 2633.	6.7	27
97	Novel borothermal process for the synthesis of nanocrystalline oxides and borides of niobium. <i>Dalton Transactions</i> , 2011, 40, 7879.	3.3	27
98	Microwave observation of the vortex locked-in state in YBa ₂ Cu ₃ O ₇ thin films with columnar defects. <i>Physical Review B</i> , 1995, 51, 8489-8493.	3.2	26
99	Effect of A-site cation disorder on charge ordering and ferromagnetism of La _{0.5} Ca _{0.5} Bi _y MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 248, 348-354.	2.3	26
100	Epitaxy, texturing, and second-harmonic generation in BiFeO ₃ thin films. <i>Physical Review B</i> , 2006, 73, .	3.2	26
101	Multiferroic Operation of Dynamic Memory Based on Heterostructured Cantilevers. <i>Advanced Materials</i> , 2015, 27, 202-206.	21.0	26
102	Tetranuclear manganese(II) complexes of hydrazone and carbohydrazone ligands: Synthesis, crystal structures, magnetic properties, Hirshfeld surface analysis and DFT calculations. <i>Inorganica Chimica Acta</i> , 2016, 443, 101-109.	2.4	26
103	Temperature-tuned natural ferromagnetic resonances in. <i>Journal of Physics Condensed Matter</i> , 1997, 9, L633-L639.	1.8	25
104	Ferromagnetic resonance in Ni-Mn-Ga films. <i>Applied Physics Letters</i> , 2002, 81, 1279-1281.	3.3	25
105	Substitutional Effects of 3d Transition Metals on the Magnetic and Structural Properties of Quasi-Two-Dimensional La ₅ Mo ₄ O ₁₆ . <i>Journal of Solid State Chemistry</i> , 2002, 164, 60-70.	2.9	24
106	Surface attached manganese-oxo clusters as potential contrast agents. <i>Chemical Communications</i> , 2009, , 788.	4.1	24
107	Nanostructured nickel manganese oxide: aligned nanostructures and their magnetic properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 18447.	6.7	24
108	A novel one-pot metathesis route for the synthesis of double perovskites, Ba ₃ MM ₂ O ₉ (M = Mg, Ni, Zn; M ²⁺). <i>Tj ETQq0 0 0 rgBT /Ov</i>	6.7	23

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109	Interphase exchange coupling in Fe ²⁺ /Sm ²⁺ /Co bilayers with gradient Fe thickness. Journal of Applied Physics, 2005, 98, 063908.	2.5	22
110	Photoinduced resistivity changes in Bi _{0.4} Ca _{0.6} MnO ₃ thin films. Applied Physics Letters, 2005, 86, 071922.	3.3	22
111	Synthesis and Characterization of Sr ₃ FeMoO _{6.88} : An Oxygen-Deficient 2D Analogue of the Double Perovskite Sr ₂ FeMoO ₆ . Chemistry of Materials, 2005, 17, 2562-2567.	6.7	22
112	Structural characterization and properties of nano-sized Cd _{1-x} CoxO dilute magnetic semiconductors prepared by solvothermal method. Materials Science in Semiconductor Processing, 2014, 17, 207-215.	4.0	22
113	Anomalous magnetic behavior in single-crystal La _{0.9} Sr _{0.1} MnO ₃ . Physical Review B, 1998, 58, 8206-8209.	3.2	21
114	Magnetic imaging of perovskite thin films by ferromagnetic resonance microscopy—La _{0.7} Sr _{0.3} MnO ₃ . Applied Physics Letters, 1999, 75, 1947-1948.	3.3	21
115	Tailoring functional properties of Ni nanoparticles-acrylic copolymer composites with different concentrations of magnetic filler. Journal of Applied Physics, 2015, 117, .	2.5	21
116	Microwave response of amorphous microwires: magnetoimpedance and ferromagnetic resonance. Journal of Magnetism and Magnetic Materials, 2002, 249, 117-121.	2.3	20
117	Sr ₃ Fe _{5/4} Mo _{3/4} O _{6.9} , an n = 2 Ruddlesden-Popper Phase: Synthesis and Properties. Chemistry of Materials, 2006, 18, 3448-3457.	6.7	19
118	Magnetoelastic/piezoelectric laminated structures for tunable remote contactless magnetic sensing and energy harvesting. Applied Physics Letters, 2009, 94, .	3.3	19
119	Controlling the size and morphology of anisotropic nanostructures of nickel borate using microemulsions and their magnetic properties. Journal of Colloid and Interface Science, 2011, 360, 393-397.	9.4	19
120	Enhanced resonant magnetoelectric coupling in frequency-tunable composite multiferroic bimorph structures. Applied Physics Letters, 2011, 98, .	3.3	19
121	High Nuclearity Assemblies and One-Dimensional (1D) Coordination Polymers Based on Lanthanide-Copper 15-Metallacrown-5 Complexes (Ln ^{III} = Pr, Nd, Sm, Eu). Inorganic Chemistry, 2017, 56, 13152-13165.	4.0	19
122	Half-point fields for microwave magnetoabsorption in colossal magnetoresistance manganite powders. Journal of Applied Physics, 2000, 87, 2652-2654.	2.5	18
123	Enhancement of magnetic ordering temperature in iron substituted ytterbium manganate (YbMn _{1-x} FexO ₃). Journal of Solid State Chemistry, 2010, 183, 643-648.	2.9	18
124	A new low temperature methodology to obtain pure nanocrystalline nickel borate. Journal of Organometallic Chemistry, 2010, 695, 1002-1005.	1.8	18
125	Electrical and Thermal Properties of Cr ₂ GeC. Journal of the American Ceramic Society, 2011, 94, 4123-4126.	3.8	18
126	Nanostructured dimagnesium manganese oxide (Spinel): Control of size, shape and their magnetic and electro catalytic properties. Journal of Solid State Chemistry, 2013, 197, 392-397.	2.9	18

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127	Solvothermal Synthesis of In_2O_3 and Co_3O_4 Nanoparticles (0.05-0.15) Dilute Magnetic Semiconductors: Optical, Magnetic, and Dielectric Properties. Journal of the American Ceramic Society, 2013, 96, 2544-2550.	3.8	18
128	Formation of high nuclearity mixed-valent polyoxovanadates in the presence of copper amine complexes. Journal of Chemical Sciences, 2006, 118, 79-86.	1.5	17
129	Large second-harmonic kerr rotation in GaFeO ₃ thin films on YSZ buffered silicon. Journal of Magnetism and Magnetic Materials, 2006, 299, 307-311.	2.3	17
130	Structural and ferromagnetic resonance characteristics of BaFe ₁₂ O ₁₉ films with minimal linewidths. Applied Physics Letters, 2001, 79, 385-387.	3.3	16
131	(La _{0.4} Ba _{0.4} Ca _{0.2})(Mn _{0.4} Ti _{0.6})O ₃ : A new titanomanganate with a high dielectric constant and antiferromagnetic interactions. Journal of Solid State Chemistry, 2004, 177, 2881-2888.	2.9	16
132	Stabilization of O ²⁻ Mn ²⁺ O clusters (Mn ⁵) in three dimensionally extended MOF structures: synthesis, structure and properties. CrystEngComm, 2012, 14, 4323.	2.6	16
133	A study of the effect of iron island morphology and interface oxidation on the magnetic hysteresis of Fe-MgO (001) thin film composites. Journal of Applied Physics, 2012, 112, .	2.5	16
134	Simultaneous Stress and Field Control of Sustainable Switching of Ferroelectric Phases. Scientific Reports, 2015, 5, 13770.	3.3	16
135	Microwave magnetoabsorption in c-axis-oriented YBa ₂ Cu ₃ O ₇ films with columnar defects. Physica C: Superconductivity and Its Applications, 1996, 267, 79-86.	1.2	15
136	Optical and magnetic properties of EuSi ₂ O ₂ N ₂ . Journal of Materials Research, 2006, 21, 396-401.	2.6	15
137	High-throughput screening of magnetic properties of quenched metallic-alloy thin-film composition spreads. Applied Surface Science, 2007, 254, 734-737.	6.1	15
138	Role of carboxylate ion and metal oxidation state on the morphology and magnetic properties of nanostructured metal carboxylates and their decomposition products. Journal of Chemical Sciences, 2008, 120, 521-528.	1.5	15
139	Enhanced microwave absorption near T _c in micron-size powders of cuprate superconductors. Physica C: Superconductivity and Its Applications, 1991, 183, 324-332.	1.2	14
140	Magnetism of the double perovskite Sr ₂ FeMoO ₆ . Journal of Magnetism and Magnetic Materials, 2003, 260, 181-183.	2.3	14
141	Transforming n=1 members of the Ruddlesden-Popper phases to a n=3 member through metathesis: synthesis of a new layered perovskite, Ca ₂ La ₂ CuTi ₂ O ₁₀ . Journal of Solid State Chemistry, 2004, 177, 2635-2638.	2.9	14
142	Crystal, electronic structures, optical and magnetic properties of Tb ₄ Al ₂ O ₉ . Journal of Alloys and Compounds, 2009, 484, 943-948.	5.5	14
143	Stabilization of Mn(IV) in nanostructured zinc manganese oxide and their facile transformation from nanospheres to nanorods. Journal of Materials Chemistry, 2011, 21, 8566.	6.7	14
144	Low-temperature properties of Ca-doped YbMnO ₃ multiferroic single crystals. Journal of Applied Physics, 2011, 109, 07D912.	2.5	14

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145	Stress-induced surface magnetization of (La _{0.7} /Sr _{0.3})MnO ₃ thin films. IEEE Transactions on Magnetism, 1997, 33, 3964-3966.	2.1	13
146	Crystal structure, magnetic and electrochemical properties of a quaternary thiospinel: Ag ₂ MnSn ₃ S ₈ . Journal of Solid State Chemistry, 2003, 174, 229-232.	2.9	13
147	Structural, electrical transport and magnetic properties of the Co-doped La _{0.5} Sr _{0.5} TiO ₃ at high temperatures. Thin Solid Films, 2004, 468, 8-11.	1.8	13
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