

# Sam E Lofland

## List of Publications by Year in descending order

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242  
papers

11,690  
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38742

50  
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30922

102  
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248  
all docs

248  
docs citations

248  
times ranked

11733  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Large Optical and Piezoelectric Effects Induced by Domain Reconfiguration Related to Ferroelectric Phase Transitions. <i>Advanced Materials</i> , 2022, 34, e2106827.	21.0	8
2	Role of crystal structure and electrical polarization of an electrocatalyst in enhancing oxygen evolution performance: Bi-Fe-O system as a case study. <i>Electrochimica Acta</i> , 2022, 407, 139887.	5.2	4
3	Water-annealing regulated protein-based magnetic nanofiber materials: tuning silk structure and properties to enhance cell response under magnetic fields. <i>Materials Today Chemistry</i> , 2021, 22, 100570.	3.5	4
4	Protein and Polysaccharide-Based Magnetic Composite Materials for Medical Applications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 186.	4.1	40
5	The effect of oblique-angle sputtering on large area deposition: a unidirectional ultrathin Au plasmonic film growth design. <i>Nanotechnology</i> , 2020, 31, 445701.	2.6	2
6	Highly Efficient Electrochemical CO <sub>2</sub> 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
7	Comparative Study of Silk-Based Magnetic Materials: Effect of Magnetic Particle Types on the Protein Structure and Biomaterial Properties. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7583.	4.1	5
8	CO <sub>2</sub> Reduction: Highly Efficient Electrochemical CO <sub>2</sub> Reduction Reaction to CO with One-Pot Synthesized Co-Pyridine-Derived Catalyst Incorporated in a Nafion-Based Membrane Electrode Assembly ( <i>Adv. Energy Mater.</i> 39/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070164.	19.5	1
9	Protein-based flexible thermal conductive materials with continuous network structure: Fabrication, properties, and theoretical modeling. <i>Composites Part B: Engineering</i> , 2020, 201, 108377.	12.0	9
10	In Situ Electric-Field Study of Surface Effects in Domain Engineered Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> -Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> Relaxor Crystals by Grazing Incidence Diffraction. <i>Crystals</i> , 2020, 10, 728.	2.2	1
11	Dynamic piezoelectric response of relaxor single crystal under electrically driven inter-ferroelectric phase transformations. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	6
12	Large non-saturating shift of the torsional resonance in a doubly clamped magnetoelastic resonator. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	4
13	Divergence of the dielectric constant in ultrathin granular metal films near the percolation threshold. <i>New Journal of Physics</i> , 2020, 22, 083018.	2.9	9
14	Electrospinning and post-drawn processing effects on the molecular organization and mechanical properties of polyacrylonitrile (PAN) nanofibers. <i>MRS Communications</i> , 2019, 9, 764-772.	1.8	7
15	Formic Acid Regenerated Mori, Tussah, Eri, Thai, and Muga Silk Materials: Mechanism of Self-Assembly. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6361-6373.	5.2	33
16	Thermal Conductivity of Protein-Based Materials: A Review. <i>Polymers</i> , 2019, 11, 456.	4.5	38
17	Thermally induced phase switching in mechanically biased single crystal relaxors. <i>Applied Physics Letters</i> , 2019, 115, 252901.	3.3	1
18	Syntheses, crystal structures and Hirshfeld surface analysis of a coordination polymer of Cu(II) chlorido and a tris-octahedral complex of Ni(II) containing isonicotinoylhydrazone blockers. <i>Journal of Molecular Structure</i> , 2018, 1160, 368-374.	3.6	9

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19	Microemulsion based approach for nanospheres assembly into anisotropic nanostructures of NiMnO <sub>3</sub> and their magnetic properties. Journal of Solid State Chemistry, 2018, 258, 722-727.	2.9	5
20	Magnetic Properties of Ln <sup>III</sup> –Cu <sup>II</sup> 15-Metallacrown-5 Dimers with Terephthalate (Ln <sup>III</sup> = Pr, Nd, Sm, Eu). European Journal of Inorganic Chemistry, 2018, 2018, 3504-3511.	2.0	13
21	Two manganese(II) coordination polymers driven by (iso)nicotinoyl-hydrazone blocks and pseudohalide ancillary ligands: syntheses, structural features, and magnetic properties. Journal of Coordination Chemistry, 2017, 70, 1973-1983.	2.2	6
22	High Nuclearity Assemblies and One-Dimensional (1D) Coordination Polymers Based on Lanthanide–Copper 15-Metallacrown-5 Complexes (Ln <sup>III</sup> = Pr, Nd, Sm, Eu). Inorganic Chemistry, 2017, 56, 13152-13165.	4.0	19
23	Supramolecular Maleate Adducts of Copper(II) 12-Metallacrown-4: Magnetism, EPR, and Alcohol Sorption Properties. European Journal of Inorganic Chemistry, 2017, 2017, 4866-4878.	2.0	13
24	Silver Oxide Coatings with High Silver-Ion Elution Rates and Characterization of Bactericidal Activity. Molecules, 2017, 22, 1487.	3.8	29
25	Ternary alloy nanocatalysts for hydrogen evolution reaction. Bulletin of Materials Science, 2016, 39, 433-436.	1.7	10
26	Cu-Co-Ni alloys: an efficient and durable electrocatalyst in acidic media. Materials Research Express, 2016, 3, 016501.	1.6	10
27	Tetranuclear manganese(II) complexes of hydrazone and carbohydrazone ligands: Synthesis, crystal structures, magnetic properties, Hirshfeld surface analysis and DFT calculations. Inorganica Chimica Acta, 2016, 443, 101-109.	2.4	26
28	Crystallization engineering as a route to epitaxial strain control. APL Materials, 2015, 3, 106102.	5.1	10
29	Simultaneous Stress and Field Control of Sustainable Switching of Ferroelectric Phases. Scientific Reports, 2015, 5, 13770.	3.3	16
30	Effects of magnetic field and pressure in magnetoelastic stress reconfigurable thin film resonators. Applied Physics Letters, 2015, 107, .	3.3	12
31	Tailoring functional properties of Ni nanoparticles-acrylic copolymer composites with different concentrations of magnetic filler. Journal of Applied Physics, 2015, 117, .	2.5	21
32	Multiferroic Heterostructures: Multiferroic Operation of Dynamic Memory Based on Heterostructured Cantilevers (Adv. Mater. 2/2015). Advanced Materials, 2015, 27, 201-201.	21.0	0
33	Dynamic shear response of hard versus soft magnetic magnetoactive elastomers. Smart Materials and Structures, 2015, 24, 025022.	3.5	8
34	Multiferroic Operation of Dynamic Memory Based on Heterostructured Cantilevers. Advanced Materials, 2015, 27, 202-206.	21.0	26
35	Magnetostrictive stress reconfigurable thin film resonators for near direct current magnetoelectric sensors. Applied Physics Letters, 2014, 104, .	3.3	13
36	Structural characterization and properties of nano-sized Cd <sub>1-x</sub> CoxO dilute magnetic semiconductors prepared by solvothermal method. Materials Science in Semiconductor Processing, 2014, 17, 207-215.	4.0	22

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37	Numerical simulation and experimental validation of the large deformation bending and folding behavior of magneto-active elastomer composites. <i>Smart Materials and Structures</i> , 2014, 23, 094004.	3.5	34
38	An investigation of the properties of epitaxial chromium-substituted vanadium carbide thin films. <i>Vacuum</i> , 2014, 109, 212-215.	3.5	3
39	Thickness-Dependent Crossover from Charge- to Strain-Mediated Magnetoelectric Coupling in Ferromagnetic/Piezoelectric Oxide Heterostructures. <i>ACS Nano</i> , 2014, 8, 894-903.	14.6	61
40	Structure, magnetic and luminescence properties of the lanthanide complexes $\text{Ln}_2(\text{Salphen})_3 \cdot \text{H}_2\text{O}$ ( $\text{Ln}=\text{Pr}, \text{Nd}, \text{Sm}, \text{Eu}, \text{Gd}, \text{Tb}, \text{Dy}$ ; $\text{H}_2\text{Salphen}=\text{N}, \text{N}''\text{-bis}(\text{salicylidene})\text{-1,2-phenylenediamine}$ ). <i>Inorganica Chimica Acta</i> , 2014, 414, 97-104.	2.4	31
41	Structural diversity in heteroleptic dipyrinato copper(II) complexes. <i>Inorganica Chimica Acta</i> , 2014, 409, 518-527.	2.4	6
42	Synthesis of mono-disperse CoFe alloy nanoparticles with high activity toward $\text{NaBH}_4$ hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 6436-6441.	7.1	10
43	Study of the low-temperature properties of multiferroic $\text{YbMnO}_3$ and $\text{YbMn}_{0.7}\text{Ga}_{0.3}\text{O}_3$ single crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 411-413.	1.5	2
44	Micro-supercapacitors from carbide derived carbon (CDC) films on silicon chips. <i>Journal of Power Sources</i> , 2013, 225, 240-244.	7.8	129
45	Nanostructured dimagnesium manganese oxide (Spinel): Control of size, shape and their magnetic and electro catalytic properties. <i>Journal of Solid State Chemistry</i> , 2013, 197, 392-397.	2.9	18
46	Solvothermal synthesis, optical and magnetic properties of nanocrystalline $\text{Cd}_{1-x}\text{MnxO}$ ( $0.04 \leq x \leq 0.10$ ) solid solutions. <i>Journal of Alloys and Compounds</i> , 2013, 558, 117-124.	5.5	51
47	Solvothermal Synthesis of $\text{In}_2\text{Co}_3\text{O}_8$ (0.05 $\leq x \leq$ 0.15) Dilute Magnetic Semiconductors: Optical, Magnetic, and Dielectric Properties. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2544-2550.	3.8	18
48	Structural characterization, optical and magnetic properties of Ni-doped CdO dilute magnetic semiconductor nanoparticles. <i>Journal of Materials Research</i> , 2013, 28, 1245-1253.	2.6	65
49	Dynamic state switching in nonlinear multiferroic cantilevers. <i>Applied Physics Letters</i> , 2012, 101, 043506.	3.3	8
50	A Combined STEM-EELS and Neutron Reflectometry Study of Charge- and Strain-Mediated Magnetoelectric Coupling in LSMO/PZT Heterostructures. <i>Microscopy and Microanalysis</i> , 2012, 18, 1912-1913.	0.4	0
51	Optical and magnetic properties of solid solutions of $\text{In}_2\text{MnxO}_3$ (0.05, 0.10 and 0.15) nanoparticles. <i>Journal of Alloys and Compounds</i> , 2012, 545, 162-167.	5.5	29
52	Combinatorial search of structural transitions: Systematic investigation of morphotropic phase boundaries in chemically substituted $\text{BiFeO}_3$ . <i>Journal of Materials Research</i> , 2012, 27, 2691-2704.	2.6	43
53	Nanostructured nickel manganese oxide: aligned nanostructures and their magnetic properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 18447.	6.7	24
54	Phase switching at low field and large sustainable strain output in domain engineered ferroic crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2108-2113.	1.8	11

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55	Stabilization of O <sup>2-</sup> Mn <sup>2+</sup> O clusters (Mn <sub>5</sub> ) in three dimensionally extended MOF structures: synthesis, structure and properties. <i>CrystEngComm</i> , 2012, 14, 4323.	2.6	16
56	Design of Anisotropic Co <sub>3</sub> O <sub>4</sub> Nanostructures: Control of Particle Size, Assembly, and Aspect Ratio. <i>Crystal Growth and Design</i> , 2012, 12, 4202-4210.	3.0	36
57	A study of the effect of iron island morphology and interface oxidation on the magnetic hysteresis of Fe-MgO (001) thin film composites. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	16
58	Continuous carbide-derived carbon films with high volumetric capacitance. <i>Energy and Environmental Science</i> , 2011, 4, 135-138.	30.8	168
59	Stabilization of Mn(IV) in nanostructured zinc manganese oxide and their facile transformation from nanospheres to nanorods. <i>Journal of Materials Chemistry</i> , 2011, 21, 8566.	6.7	14
60	Enhanced Electrocatalytic Activity of Copper-Cobalt Nanostructures. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14526-14533.	3.1	39
61	Novel borothermal process for the synthesis of nanocrystalline oxides and borides of niobium. <i>Dalton Transactions</i> , 2011, 40, 7879.	3.3	27
62	Miniemulsion Synthesis of Metal-Oxo Cluster Containing Copolymer Nanobeads. <i>Langmuir</i> , 2011, 27, 12575-12584.	3.5	8
63	Role of Magnetization Anisotropy in the Active Behavior of Magnetorheological Elastomers. , 2011, , .		4
64	Investigating new symmetry classes in magnetorheological elastomers: cantilever bending behavior. <i>Smart Materials and Structures</i> , 2011, 20, 105022.	3.5	51
65	Electrical and Thermal Properties of Cr <sub>2</sub> GeC. <i>Journal of the American Ceramic Society</i> , 2011, 94, 4123-4126.	3.8	18
66	Giant magnetostriction in annealed Co <sub>1-x</sub> Fe <sub>x</sub> thin-films. <i>Nature Communications</i> , 2011, 2, 518.	12.8	188
67	Experimental evidence of dipolar interaction in bilayer nanocomposite magnets. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 103, 1183-1187.	2.3	2
68	Magnetic and Sorption Properties of Supramolecular Systems Based on Pentanuclear Copper(II) Metallacrown 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
69	Controlling the size and morphology of anisotropic nanostructures of nickel borate using microemulsions and their magnetic properties. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 393-397.	9.4	19
70	Spectroscopic, thermal, magnetic and structural characterization of K <sub>3</sub> VF <sub>6</sub> prepared at room temperature. <i>Polyhedron</i> , 2011, 30, 1425-1429.	2.2	2
71	Low-temperature properties of Ca-doped YbMnO <sub>3</sub> multiferroic single crystals. <i>Journal of Applied Physics</i> , 2011, 109, 07D912.	2.5	14
72	Enhanced resonant magnetoelectric coupling in frequency-tunable composite multiferroic bimorph structures. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	19

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73	Synthesis of Core-Shell Nanostructures of $\text{Co}_3\text{O}_4/\text{SiO}_2$ with Controlled Shell Thickness (5–20 nm) and Hollow Shells of Silica. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3405-3413.	0.9	4
74	Enhancement of magnetic ordering temperature in iron substituted ytterbium manganate ( $\text{YbMn}_{1-x}\text{Fe}_x\text{O}_3$ ). <i>Journal of Solid State Chemistry</i> , 2010, 183, 643-648.	2.9	18
75	A new low temperature methodology to obtain pure nanocrystalline nickel borate. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1002-1005.	1.8	18
76	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
77	Binary Fe-Co Alloy Nanoparticles Showing Significant Enhancement in Electrocatalytic Activity Compared with Bulk Alloys. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18779-18784.	3.1	60
78	$\text{BiMnFe}_2\text{O}_6$ , a polysynthetically twinned hcp MO structure. <i>Chemical Science</i> , 2010, 1, 751.	7.4	13
79	Synthesis and characterization of different shaped $\text{Sm}_2\text{O}_3$ nanocrystals. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 405401.	2.8	33
80	The effect of CoPt crystallinity and grain texturing on properties of exchange-coupled Fe/CoPt systems. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	5
81	Thermal expansion of select $\text{Mn}_2\text{AX}_n$ (M=earlytransitionmetal, A=Agroupelement, X=C or N) phases measured by high temperature x-ray diffraction and dilatometry. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	107
82	Modelling of microwave magnetoabsorption in magnetic microwires. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 095004.	2.8	6
83	Non-Templated Hydrothermal Growth of Anisotropic Magnetite Nanostructures Using Hexamine as the Directing Agent. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5823-5828.	0.9	2
84	An investigation of structural, magnetic and dielectric properties of $\text{R}_2\text{NiMnO}_6$ (R=rare earth, Y). <i>Materials Research Bulletin</i> , 2009, 44, 1559-1564.	5.2	168
85	Magnetic and photocatalytic properties of nanocrystalline $\text{ZnMn}_2\text{O}_4$ . <i>Bulletin of Materials Science</i> , 2009, 32, 231-237.	1.7	28
86	Synthesis and characterization of $\text{Nb}_2\text{AlC}$ thin films. <i>Thin Solid Films</i> , 2009, 517, 2920-2923.	1.8	47
87	Microemulsion-mediated synthesis of cobalt (pure fcc and hexagonal phases) and cobalt-nickel alloy nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 814-819.	9.4	99
88	Exchange bias in thin-film $(\text{Co/Pt})_3/\text{Cr}_2\text{O}_3$ multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1955-1958.	2.3	34
89	Synthesis of Homogeneous $\text{NiO}/\text{SiO}_2$ Core-shell Nanostructures and the Effect of Shell Thickness on the Magnetic Properties. <i>Crystal Growth and Design</i> , 2009, 9, 1666-1670.	3.0	34
90	Crystal, electronic structures, optical and magnetic properties of $\text{Tb}_4\text{Al}_2\text{O}_9$ . <i>Journal of Alloys and Compounds</i> , 2009, 484, 943-948.	5.5	14

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91	Amino Acid Based MOFs: Synthesis, Structure, Single Crystal to Single Crystal Transformation, Magnetic and Related Studies in a Family of Cobalt and Nickel Aminoisophthales. Inorganic Chemistry, 2009, 48, 11660-11676.	4.0	113
92	Combinatorial investigation of (Ti $_{1-x}$ Nb $_x$ ) $_2$ AlC. Applied Physics Letters, 2009, 95, .	3.3	11
93	Defining and Investigating New Symmetry Classes for the Next Generation of Magnetorheological Elastomers. , 2009, , .		0
94	Surface attached manganese $\mu$ -oxo clusters as potential contrast agents. Chemical Communications, 2009, , 788.	4.1	24
95	Magnetoelastic/piezoelectric laminated structures for tunable remote contactless magnetic sensing and energy harvesting. Applied Physics Letters, 2009, 94, .	3.3	19
96	Engineering of copper molybdates: Piperazine dictated pseudopolymorphs. Journal of Molecular Structure, 2009, 933, 156-162.	3.6	8
97	Study on the solid solution of YMn $_{1-x}$ FexO $_3$ : Structural, magnetic and dielectric properties. Journal of Solid State Chemistry, 2008, 181, 61-66.	2.9	54
98	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
99	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
100	Dynamic characterization of bimodal particle mixtures in silicone rubber magnetorheological materials. Polymer Testing, 2008, 27, 931-935.	4.8	42
101	Bimetallic Cu $\mu$ -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
102	Weak electronic anisotropy in the layered nanolaminate Ti $_2$ GeC. Solid State Communications, 2008, 146, 498-501.	1.9	33
103	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
104	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
105	Combinatorial investigation of magnetostriction in Fe $\mu$ -Ga and Fe $\mu$ -Ga $\mu$ -Al. Applied Physics Letters, 2008, 93, .	3.3	38
106	Effect of disorder on the electrical and superconducting properties in Ln $_{1.2}$ Ba $_{1.2}$ Ca $_{0.6}$ Cu $_3$ O $_{7+\delta}$ (Ln = La, Y). Journal of Applied Physics, 2008, 104, 014301.	3.5	1
107	Anomalous microwave heating effects in Ce-doped La $_{0.7}$ Sr $_{0.3}$ MnO $_3$ : Possible role of grain boundary capacitive effects across cerium solubility limit. Applied Physics Letters, 2008, 92, 012512.	3.3	2
108	Electrical, thermal, and elastic properties of the MAX-phase Ti $_2$ SC. Journal of Applied Physics, 2008, 104, .	2.5	69



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127	Large second-harmonic kerr rotation in GaFeO <sub>3</sub> thin films on YSZ buffered silicon. Journal of Magnetism and Magnetic Materials, 2006, 299, 307-311.	2.3	17
128	Optical and magnetic properties of EuSi <sub>2</sub> O <sub>7</sub> . Journal of Materials Research, 2006, 21, 396-401.	2.6	15
129	Microstructure and phase control in BiFeO <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> multiferroic nanocomposite thin films. Applied Physics Letters, 2006, 88, 112505.	3.3	56
130	Epitaxy, texturing, and second-harmonic generation in BiFeO <sub>3</sub> thin films. Physical Review B, 2006, 73, .	3.2	26
131	A method for anhysteretic magnetization and magnetostriction measurement of thin ferromagnetic films as a function of applied isotropic stresses. Journal of Applied Physics, 2006, 99, 08D905.	2.5	3
132	Search for ferromagnetism in undoped and cobalt-doped HfO <sub>2</sub> . Applied Physics Letters, 2006, 88, 142505.	3.3	41
133	Nanorods of Copper and Nickel Oxalates Synthesized by the Reverse Micellar Route. Journal of Nanoscience and Nanotechnology, 2005, 5, 1840-1845.	0.9	42
134	Novel Topotactic Conversion of an Organically Templated Vanadyl Phosphate Framework into Layered Structures.. ChemInform, 2005, 36, no.	0.0	0
135	Investigation of Cation-Deficient Quaternary Thiospinels: Single Crystal Study of Ag <sub>1.4</sub> Cr <sub>1.47</sub> Sn <sub>2.53</sub> S <sub>8</sub> .. ChemInform, 2005, 36, no.	0.0	0
136	Synthesis and Characterization of Sr <sub>3</sub> FeMoO <sub>6.88</sub> : An Oxygen-Deficient 2D Analogue of the Double Perovskite Sr <sub>2</sub> FeMoO <sub>6</sub> .. ChemInform, 2005, 36, no.	0.0	0
137	(La <sub>2/5</sub> Ba <sub>2/5</sub> Ca <sub>1/5</sub> )(Mn <sub>(2/5-x)</sub> Ni <sub>x</sub> Ti <sub>(3/5)</sub> )O <sub>3</sub> : Rietveld studies, dielectric and magnetic properties of new perovskite-related oxides. Bulletin of Materials Science, 2005, 28, 571-577.	1.7	1
138	Doping-Induced Phase Transitions in Polycrystalline La <sub>0.49</sub> Sr <sub>0.51</sub> (Mn <sub>1-x</sub> Nb <sub>x</sub> )O <sub>3</sub> . Chinese Physics Letters, 2005, 22, 938-941.	3.3	4
139	Tunable multiferroic properties in nanocomposite PbTiO <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> epitaxial thin films. Applied Physics Letters, 2005, 87, 112901.	3.3	78
140	Interphase exchange coupling in Fe/SmCo bilayers with gradient Fe thickness. Journal of Applied Physics, 2005, 98, 063908.	2.5	22
141	Bulk synthesis and high-temperature ferromagnetism of (In <sub>1-x</sub> Fe <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> with Cu co-doping. Applied Physics Letters, 2005, 86, 042506.	3.3	132
142	Novel Topotactic Conversion of an Organically Templated Vanadyl Phosphate Framework into Layered Structures. European Journal of Inorganic Chemistry, 2005, 2005, 401-409.	2.0	11
143	Photoinduced resistivity changes in Bi <sub>0.4</sub> Ca <sub>0.6</sub> MnO <sub>3</sub> thin films. Applied Physics Letters, 2005, 86, 071922.	3.3	22
144	Synthesis and Characterization of Sr <sub>3</sub> FeMoO <sub>6.88</sub> : An Oxygen-Deficient 2D Analogue of the Double Perovskite Sr <sub>2</sub> FeMoO <sub>6</sub> . Chemistry of Materials, 2005, 17, 2562-2567.	6.7	22

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145	Investigation of cation-deficient quaternary thiospinels: single crystal study of Ag <sub>1.4</sub> Cr <sub>1.47</sub> Sn <sub>2.53</sub> S <sub>8</sub> . Journal of Alloys and Compounds, 2005, 390, 46-50.	5.5	5
146	Electrical transport, thermal transport, and elastic properties of M <sub>2</sub> AlC (M=Ti, Cr, Nb, and V). Physical Review B, 2005, 72, .	3.2	258
147	Elastic and electronic properties of select M <sub>2</sub> AX phases. Applied Physics Letters, 2004, 84, 508-510.	3.3	149
148	Search for magnetism in Co and Fe-doped HfO <sub>2</sub> thin films for potential spintronic applications. Materials Research Society Symposia Proceedings, 2004, 830, 262.	0.1	2
149	Self-assembled single-crystal ferromagnetic iron nanowires formed by decomposition. Nature Materials, 2004, 3, 533-538.	27.5	165
150	On the origin of high-temperature ferromagnetism in the low-temperature-processed Mn-Zn-O system. Nature Materials, 2004, 3, 709-714.	27.5	459
151	(La <sub>0.4</sub> Ba <sub>0.4</sub> Ca <sub>0.2</sub> )(Mn <sub>0.4</sub> Ti <sub>0.6</sub> )O <sub>3</sub> : A new titanomanganate with a high dielectric constant and antiferromagnetic interactions. Journal of Solid State Chemistry, 2004, 177, 2881-2888.	2.9	16
152	Structural, electrical transport and magnetic properties of the Co-doped La <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> at high temperatures. Thin Solid Films, 2004, 468, 8-11.	1.8	13
153	Optical reflectance of blue bronze crystals near the Peierls transition. Solid State Communications, 2004, 130, 613-617.	1.9	2
154	Quantitative determination of Eu <sup>2+</sup> and Eu <sup>3+</sup> content in (Eu,Y)-Si-Al-O-N glasses by magnetic measurements. Solid State Communications, 2004, 131, 693-696.	1.9	11
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