

Sundaresan Athinarayanan

List of Publications by Year in descending order

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all docs

251
docs citations

251
times ranked

9100
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiferroicity in a quasi-one-dimensional magnet MnSb ₂ Se ₄ . Materials Research Bulletin, 2022, 145, 111569.	5.2	6
2	Visible-light excited polar Dion-Jacobson Rb(Bi _{1-x} Eu _x) ₂ Ti ₂ NbO ₁₀ perovskite: Photoluminescence properties and in-vitro bioimaging. Journal of Materials Chemistry B, 2022, , .	5.8	16
3	Experimental and first-principles studies on superconductivity in noncentrosymmetric LaMnO_3 . Physical Review B, 2022, 105, .	3.2	5
4	Interplay of lattice, spin, and dipolar properties in CoTeMoO_6 : Emergence of Griffiths-like phase, metamagnetic transition, and magnetodielectric effect. Physical Review B, 2022, 105, .	3.2	5
5	Magnetic structure of the double perovskite La ₂ Ni ₂ O ₆ investigated using neutron diffraction. Physical Review Materials, 2022, 6, .	2.4	3
6	Effects of Ga doping on the phase transitions of V_2O_3 . Physical Review B, 2022, 105, .	3.2	2
7	Influence of Noncovalent Interactions on the Magnetic Behavior of Three Isostructural Layered Manganese(II) Dicarboxylate-Based Coordination Polymers. Crystal Growth and Design, 2022, 22, 2534-2546.	3.0	6
8	Experimental and first-principles studies of superconductivity in topological nodal line semimetal SnTaS ₂ . Superconductor Science and Technology, 2022, 35, 064001.	3.5	2
9	Magnetic, magnetodielectric, and magnetocaloric properties of new polar oxides RCrWO ₆ (R = Sm, Eu). Tj ETQq1 1,0,784314 rgBT /C 1,9	1,0,784314	1,9
10	Zero-Dimensional (Piperidinium) ₂ MnBr ₄ : Ring Puckering-Induced Isostructural Transition and Strong Electron-Phonon Coupling-Mediated Self-Trapped Exciton Emission. Inorganic Chemistry, 2022, 61, 11377-11386.	4.0	10
11	Paramagnetic resonance in La ₂ NiMnO ₆ probed by impedance and lock-in detection techniques. Journal of Magnetism and Magnetic Materials, 2021, 518, 167400.	2.3	2
12	Dielectric Relaxation Mechanism in High-Pressure Synthesized BiCr _{0.5} Mn _{0.5} O ₃ . Journal of Electronic Materials, 2021, 50, 1615-1620.	2.2	4
13	The CdTiO ₃ /BaTiO ₃ superlattice interface from first principles. Nanoscale, 2021, 13, 8506-8513.	5.6	3
14	Symmetry Origin of the Dzyaloshinskii-Moriya Interaction and Magnetization Reversal in YVO ₃ . Inorganic Chemistry, 2021, 60, 2195-2202.	4.0	3
15	Magnetolectric and multiferroic properties of spinels. Journal of Applied Physics, 2021, 129, .	2.5	26
16	Effect of Nonmagnetic Ion Substitution on Multiferroic Properties of BiFeO ₃ . Journal of Electronic Materials, 2021, 50, 1772-1778.	2.2	1
17	Magnetolectric effect in a single crystal of the frustrated spinel CoAl_2O_4 . Physical Review B, 2021, 103, .	3.2	3
18	Structural, Magnetic, and Electrical Properties of Doubly Ordered Perovskites NaLnNiWO ₆ (Ln = La, Pr, Nd, Sm, Eu, Gd, and Tb). Journal of Physical Chemistry C, 2021, 125, 6749-6757.	3.1	10

#	ARTICLE	IF	CITATIONS
19	Switchable and Nonswitchable Polarization in Doubly Ordered Perovskites NaLnCoWO_6 (Ln = Er, Tm, Yb, and Lu). Journal of Physical Chemistry C, 2021, 125, 10803-10809.	3.1	5
20	Cluster-glass behavior in the two-dimensional triangular lattice Ising-spin compound Li_2O_7 . Physical Review B, 2021, 103, .	3.2	13
21	Magnetolectric effect in the honeycomb-lattice antiferromagnet BaNi_2O_7 . Physical Review B, 2021, 103, .	3.2	11
22	Magnetic-order-induced ferroelectric polarization in the polar antiferromagnets RFeWO_6 (R = Tb, Dy, Ho, Er, Tm, Yb, Lu). Physical Review B, 2021, 103, .	3.4	10
23	Pressure-driven evolution of structural distortions in RCrO_3 perovskites: The curious case of LaCrO_3 . Solid State Sciences, 2021, 119, 106708.	3.2	3
24	Magnetic-field-induced ferroelectric states in centrosymmetric R_2O_5 perovskites. Physical Review B, 2021, 103, .	3.2	11
25	Synthesis, characterization and multiferroic properties of the doubly-ordered polar perovskite $\text{NaLi}_2\text{Ln}_2\text{O}_{10}$ (Ln = La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu). Physical Review B, 2021, 103, .	3.2	11

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37	Suppression of long-range ordering and multiferroicity in Sr-substituted Ba ₃ xSrxMnNb ₂ O ₉ (x=0.1 and 0.2). Journal of Physical Chemistry C, 2020, 124, 9802-9809.	2.3	14
38	Broadband Colossal Dielectric Constant in the Superionic Halide RbAg ₄ I ₅ : Role of Intercluster Ag ⁺ Diffusion. Journal of Physical Chemistry C, 2020, 124, 9802-9809.	3.1	4
39	Polar magnetic oxides from chemical ordering: A new class of multiferroics. APL Materials, 2020, 8, 040906.	5.1	18
40	On Ferro- and Antiferro-Spin-Density Waves Describing the Incommensurate Magnetic Structure of NaYNiWO ₆ . Inorganic Chemistry, 2020, 59, 17856-17859.	4.0	10
41	Muon spin rotation and neutron scattering investigations of the site ordered double perovskite $Sr_{1-x}Ca_xNi_2W_2O_{10}$. Interplay of interactions and spin-induced ferroelectricity in the green phase $Sr_{1-x}Ca_xNi_2W_2O_{10}$. Journal of Physical Chemistry C, 2020, 124, 9802-9809.	3.2	13
42	Interplay of interactions and spin-induced ferroelectricity in the green phase $Sr_{1-x}Ca_xNi_2W_2O_{10}$. Journal of Physical Chemistry C, 2020, 124, 9802-9809.	3.6	10
43	Traction Motor Bearing Failures Due to Bearing Currents in Electric Locomotives. , 2019, , .		6
44	Evidence of a cluster spin-glass state in B-site disordered perovskite SrTi _{0.5} Mn _{0.5} O ₃ . Journal of Magnetism and Magnetic Materials, 2019, 492, 165671.	2.3	7
45	Ground-state ferrimagnetism and magneto-caloric effects in Nd ₂ NiMnO ₆ . Materials Research Express, 2019, 6, 116122.	1.6	7
46	Multiferroic memory effect far above the Néel temperature in single-crystal $Sr_{1-x}Ca_xNi_2W_2O_{10}$. Journal of Physical Chemistry C, 2020, 124, 9802-9809.	3.2	3
47	Average Structure, Local Structure, Photoluminescence, and NLO Properties of Scheelite Type NaCe(WO ₄) ₂ . Crystal Growth and Design, 2019, 19, 6082-6091.	3.0	10
48	Linear magnetoelectric effect in antiferromagnetic $Sr_{1-x}Ca_xNi_2W_2O_{10}$. Physical Review B, 2019, 100, .	3.2	18
49	Magnetic ground state, field-induced transitions, electronic structure, and optical band gap of the frustrated antiferromagnet GeCo ₂ O ₄ . Physical Review B, 2019, 99, .	3.2	22
50	Unprecedented 30 K hysteresis across switchable dielectric and magnetic properties in a bright luminescent organic-inorganic halide (CH ₆ N ₃) ₂ MnCl ₄ . Journal of Materials Chemistry C, 2019, 7, 4838-4845.	5.5	37
51	Magnetism, magnetocaloric and magnetodielectric properties of DyVWO ₆ : a new aeschynite-type polar antiferromagnet. Materials Research Express, 2019, 6, 124007.	1.6	9
52	Highly tunable magnetic spirals and electric polarization in $Sr_{1-x}Ca_xNi_2W_2O_{10}$. Journal of Physical Chemistry C, 2020, 124, 9802-9809.	2.4	5
53	Linear Magnetoelectrics and Multiferroics. , 2019, , 224-248.		0
54	Designing a Lower Band Gap Bulk Ferroelectric Material with a Sizable Polarization at Room Temperature. ACS Energy Letters, 2018, 3, 1176-1182.	17.4	56

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55	Effect of anti-site disorder on magnetism in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2018, 97, .	3.2	18
56	Spontaneous electric polarization in the B-site magnetic spinel GeCu_2O_4 . Solid State Communications, 2018, 272, 53-56.	1.9	6
57	New rare earth hafnium oxynitride perovskites with photocatalytic activity in water oxidation and reduction. Chemical Communications, 2018, 54, 1525-1528.	4.1	31
58	Publisher's Note: Magnetostructural coupling and magnetodielectric effects in the A-site cation-ordered spinel $\text{LiFeCr}_4\text{O}_{13}$ [Phys. Rev. B 96 , 214439 (2017)]. Physical Review B, 2018, 97, .	3.2	1
59	Graphene-Ni(111) Synergy Influencing Crystalline Orientation, Grain Morphology and Magnetic Properties of Poly-Ni. Journal of Physical Chemistry C, 2018, 122, 13962-13968.	3.1	9
60	Influence of Fe substitution on structural and magnetic features of BiMn_2O_5 nanostructures. Journal of Magnetism and Magnetic Materials, 2018, 452, 120-128.	2.3	12
61	Order-disorder structural phase transition and magnetocaloric effect in organic-inorganic halide hybrid $(\text{C}_2\text{H}_5\text{NH}_3)_2\text{CoCl}_4$. Journal of Solid State Chemistry, 2018, 258, 431-440.	2.9	20
62	Isovalent Cation Ordering in the Polar Rhombohedral Perovskite $\text{Bi}_2\text{FeAlO}_6$. Angewandte Chemie - International Edition, 2018, 57, 16099-16103.	13.8	10
63	Isovalent Cation Ordering in the Polar Rhombohedral Perovskite $\text{Bi}_2\text{FeAlO}_6$. Angewandte Chemie, 2018, 130, 16331-16335.	2.0	3
64	Spin-driven ferroelectricity and large magnetoelectric effect in monoclinic MnSb_2O_7 . Physical Review B, 2018, 98, .	3.2	10
65	Synthesis, Structure, and Physical Properties of the Polar Magnet DyCrWO_6 . Inorganic Chemistry, 2018, 57, 12827-12835.	4.0	20
66	High pressure synthesis and magnetic properties of corundum-type $\text{Ga}_{1-x}\text{Al}_x\text{FeO}_3$ ($x = 0, 0.25, 0.5$). Journal of Solid State Chemistry, 2018, 265, 79-84.	2.9	2
67	Coexistence of long-range cycloidal order and spin-cluster glass state in the multiferroic BaYFeO_4 . Journal of Physics Condensed Matter, 2018, 30, 245802.	1.8	12
68	Nonswitchable polarization and magnetoelectric coupling in the high-pressure synthesized doubly ordered perovskites NaYMnWO_6 and NaHoCoWO_6 . Physical Review B, 2017, 95, .	3.2	26
69	the frustrated spinel CoA_2O_4 . Physical Review B, 2017, 95, .	3.2	29
70	Synthetically tuned structural variations in $\text{CePd}_x\text{Ge}_{2-x}$ ($x = 0.21, 0.32, 0.69$) towards diverse physical properties. Inorganic Chemistry Frontiers, 2017, 4, 241-255.	6.0	3
71	G_2C -type orbital ordered phases and its correlation with magnetization reversal in YV_3O_{10} . Physical Review B, 2017, 95, .	3.2	13
72	Magnetic compensation-induced sign reversal of exchange bias in a multi-glass perovskite SmFeO_3 . Applied Physics Letters, 2017, 111, .	3.3	22

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73	Ordered cycloidal-type polar magnets Magnetoelectric coupling and magnetodielectric effects in the cation-ordered spinel	3.2	34
74	LiFeC ₂ Exchange bias at low fields exhibited by the interface between epitaxial layers of ferromagnetic and charge-ordered rare-earth manganites. Physica Status Solidi - Rapid Research Letters, 2016, 10, 622-626.	2.4	0
75	LiM Neutron scattering study of the crystallographic and spin structure in antiferromagnetic Physical Review B, 2016, 93, .	3.2	20
76	LiM Magnetoelectric effect in simple collinear antiferromagnetic spinels. Physical Review B, 2016, 94, .	4.6	134
77	Is CH ₃ NH ₃ Pb ₃ Polar?. Journal of Physical Chemistry Letters, 2016, 7, 2412-2419.	10.3	63
78	Tuning the nature of nitrogen atoms in N-containing reduced graphene oxide. Carbon, 2016, 96, 594-602.	2.9	16
79	Large linear magnetoresistance in topological crystalline insulator Pb _{0.6} Sn _{0.4} Te. Journal of Solid State Chemistry, 2016, 233, 199-204.	2.3	12
80	Structural and magnetic properties of a new and ordered quaternary alloy MnNiCuSb (SG:)	2.5	7
81	Magnetic Materials, 2016, 397, 315-318.	3.6	9
82	Capacitive and magnetoresistive origin of magnetodielectric effects in Sm-substituted spiral antiferromagnet BiMnFe ₂ O ₆ . Journal of Applied Physics, 2015, 118, 164103.	0.9	7
83	Rare earth (RE = Ce, Gd) modified Nd _{1-x} RE _x FeAsO _{0.7} F _{0.3} superconductor with enhanced magneto-transport properties. RSC Advances, 2015, 5, 41484-41492.	6.0	2
84	Observation of Room Temperature Ferromagnetism in InN Nanostructures. Journal of Nanoscience and Nanotechnology, 2015, 15, 4426-4430.	1.9	58
85	Influence of rare earth doping on the structural and electro-magnetic properties of SmFeAsO _{0.7} F _{0.3} iron pnictide. Inorganic Chemistry Frontiers, 2015, 2, 731-740.	2.8	23
86	Effect of internal electric field on ferroelectric polarization in multiferroic TbMnO ₃ . Solid State Communications, 2015, 205, 61-65.	3.3	12
87	Influence of natural and synthetic antioxidants on the degradation of Soybean oil at frying temperature. Journal of Food Science and Technology, 2015, 52, 5370-5375.	3.3	66
88	Possible coexistence of cycloidal phases, magnetic field reversal of polarization, and memory effect in multiferroic R _{0.5} Dy _{0.5} MnO ₃ (R = Eu and Gd). Applied Physics Letters, 2015, 107, 052902.		
89	Enhanced Thermal Oxidation Stability of Reduced Graphene Oxide by Nitrogen Doping. Chemistry - A European Journal, 2014, 20, 11999-12003.		

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91	Novel features of multiferroic and magnetoelectric ferrites and chromites exhibiting magnetically driven ferroelectricity. <i>Materials Horizons</i> , 2014, 1, 20-31.	12.2	100
92	Temperature dependent magnetic, dielectric and Raman studies of partially disordered La ₂ NiMnO ₆ . <i>Solid State Communications</i> , 2014, 184, 47-51.	1.9	45
93	Synthesis and Properties of Cobalt Sulfide Phases: Co ₂ and Co ₉ S ₈ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 1069-1074.	1.2	70
94	Effect of pressure on octahedral distortions in RCrO ₃ (R = Lu, Tb, Gd, Eu, Sm): the role of R-ion size and its implications. <i>Materials Research Express</i> , 2014, 1, 026111.	1.6	35
95	Synthesis, anion order and magnetic properties of RVO ₃ perovskites (R = La, Pr, Nd; 0 ≤ x ≤ 1). <i>Journal of Materials Chemistry C</i> , 2014, 2, 2212.	5.5	28
96	Ti-rich double perovskites LnCu ₃ Ti ₂ Mn _{2+x+y} O ₁₂ : ferrimagnetism and magnetoresistance up to room temperature. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6061.	5.5	11
97	Co-addition of nano-carbon and nano-silica: An effective method for improving the in-field properties of magnesium diboride superconductor. <i>Materials Chemistry and Physics</i> , 2014, 148, 190-194.	4.0	6
98	Reentrant spin-glass state and magnetodielectric effect in the spiral magnet Bi ₂ Mn ₂ Fe ₆ O ₆ . <i>Physical Review B</i> , 2014, 90, .	3.2	64
99	Synthesis and Magnetic Properties of RVOF ₃ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 1109-1114.	1.2	13
100	Influence of preparation conditions on superconducting properties of Bi-2223 thin films. <i>Bulletin of Materials Science</i> , 2014, 37, 19-25.	1.7	13
101	The absence of ferroelectric polarization in layered and rock-salt ordered NaLnMnWO ₆ (Ln = La, Nd, Tb) perovskites. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5407-5411.	2.8	26
102	Effect of co-substitution of nitrogen and fluorine in BaTiO ₃ on ferroelectricity and other properties. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 345901.	1.8	10
103	Spin-phonon coupling in multiferroic RCrO ₃ (R = Y, Lu, Gd, Eu, Sm): A Raman study. <i>Europhysics Letters</i> , 2013, 101, 17008.	2.0	123
104	Temperature evolution of nickel sulphide phases from thiourea complex and their exchange bias effect. <i>Journal of Solid State Chemistry</i> , 2013, 208, 103-108.	2.9	28
105	Synthesis, Characterization, Photocatalysis, and Varied Properties of TiO ₂ Cosubstituted with Nitrogen and Fluorine. <i>Inorganic Chemistry</i> , 2013, 52, 10512-10519.	4.0	74
106	Spin reorientation and magnetization reversal in the perovskite oxides, YFe _{1-x} Mn _x O ₃ (0 ≤ x ≤ 0.45): A neutron diffraction study. <i>Journal of Solid State Chemistry</i> , 2013, 197, 408-413.	2.9	87
107	Interplay of 4f-3d magnetism and ferroelectricity in DyFeO ₃ . <i>Europhysics Letters</i> , 2013, 101, 17001.	2.0	59
108	Surface ferromagnetism and superconducting properties of nanocrystalline niobium nitride. <i>Materials Chemistry and Physics</i> , 2013, 139, 500-505.	4.0	2

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109	Bimodal Magneto-Luminescent Dysprosium (Dy^{III})-Potassium (K^{I})-Oxalate Framework: Magnetic Switchability with High Anisotropic Barrier and Solvent Sensing. <i>Chemistry of Materials</i> , 2013, 25, 1673-1679.	6.7	107
110	Borocarbonitrides, $\text{B}_x\text{C}_y\text{N}_z$. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5806.	10.3	143
111	Spin Frustration from cis -Edge or -Corner Sharing Metal-Centered Octahedra. <i>Journal of the American Chemical Society</i> , 2013, 135, 19268-19274.	13.7	27
112	Remarkable Properties of ZnO Heavily Substituted with Nitrogen and Fluorine, $\text{Zn}_{1-x}\text{(N,F)}_x$. <i>ChemPhysChem</i> , 2013, 14, 2672-2677.	2.1	25
113	Structural Variations of BiMnO_{3+x} Revealed by Electron Diffraction. <i>Journal of Physics: Conference Series</i> , 2012, 371, 012033.	0.4	0
114	Field-induced polar order at the Néel temperature of chromium in rare-earth orthochromites: Interplay of rare-earth and Cr magnetism. <i>Physical Review B</i> , 2012, 86, .	3.2	247
115	Weak ferromagnetism and magnetization reversal in $\text{YFe}_x\text{Cr}_x\text{O}_3$. <i>Europhysics Letters</i> , 2012, 99, 17008.	2.0	84
116	Structure and complex magnetic behavior of disordered perovskite $(\text{Bi}_{0.5}\text{Sr}_{0.5})(\text{Fe}_{0.5}\text{Mn}_{0.5})\text{O}_3$. <i>RSC Advances</i> , 2012, 2, 292-297.	3.6	19
117	Multiferroic and Magnetoelectric Oxides: The Emerging Scenario. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2237-2246.	4.6	161
118	Ferroelectricity Induced by Cations of Nonequivalent Spins Disordered in the Weakly Ferromagnetic Perovskites, $\text{YCr}_x\text{M}_x\text{O}_3$ ($\text{M} = \text{Fe}$ or Mn). <i>Chemistry of Materials</i> , 2012, 24, 3591-3595.	6.7	83
119	Multiferroic and magnetoelectric nature of GaFeO_3 , AlFeO_3 and related oxides. <i>Solid State Communications</i> , 2012, 152, 1964-1968.	1.9	55
120	Near-Room-Temperature Colossal Magnetodielectricity and Multiglass Properties in Partially Disordered $\text{La}_2\text{NiMnO}_6$. <i>Physical Review Letters</i> , 2012, 108, 127201.	7.8	375
121	Coupled phonons, magnetic excitations, and ferroelectricity in AlFeO_3 : Raman and first-principles studies. <i>Physical Review B</i> , 2012, 85, .	3.2	31
122	Enhanced Frank elasticity and storage modulus in a diamagnetic liquid crystalline ferrogel. <i>Soft Matter</i> , 2011, 7, 10151.	2.7	8
123	^{119}Sn NMR probe of magnetic fluctuations in SnO_2 nanoparticles. <i>Europhysics Letters</i> , 2011, 96, 67008.	2.0	9
124	Spin Reorientation, Ferroelectricity, and Magnetodielectric Effect in YFe_xO_3 .		

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127	Experimental evidence of Ga-vacancy induced room temperature ferromagnetic behavior in GaN films. Applied Physics Letters, 2011, 99, 162512.	3.3	45
128	Mössbauer spectroscopic study of spin reorientation in Mn-substituted yttrium orthoferrite. Journal of Physics Condensed Matter, 2011, 23, 436001.	1.8	22
129	Room-temperature ferromagnetism in graphitic petal arrays. Nanoscale, 2011, 3, 900.	5.6	22
130	Effect of Carbon Substitution on the Superconducting Properties of Nanocarbon-, Nanodiamond- and Nano-SiC-Doped MgB ₂ . Journal of the American Ceramic Society, 2011, 94, 1133-1137.	3.8	11
131	Effect of Cr and Mn ions on the structure and magnetic properties of GaFeO ₃ : Role of the substitution site. Journal of Solid State Chemistry, 2011, 184, 2353-2359.	2.9	16
132	Synthetic approaches to borocarbonitrides, BC _x N (x=1-2). Journal of Solid State Chemistry, 2011, 184, 2902-2908.	2.9	22
133	Domains in multiband superconductors. Physica C: Superconductivity and Its Applications, 2011, 471, 747-750.	1.2	12
134	Rare earth niobium oxynitrides, LnNbON ₂ (Ln=Y, La, Pr, Nd, Gd, Dy): Synthesis, structure and properties. Materials Research Bulletin, 2011, 46, 2021-2024.	5.2	18
135	Phase Transitions of AlFeO ₃ and GaFeO ₃ from the Chiral Orthorhombic (Pna) Structure to the Rhombohedral (R-3c) Structure. Inorganic Chemistry, 2011, 50, 9527-9532.	4.0	51
136	Multiferroic and magnetodielectric properties of the Al _{1-x} Ga _x FeO ₃ family of oxides. Journal of Materials Chemistry, 2011, 21, 57-59.	6.7	43
137	Structure and magnetic properties of the Al _{1-x} Ga _x FeO ₃ family of oxides: A combined experimental and theoretical study. Journal of Solid State Chemistry, 2011, 184, 494-501.	2.9	47
138	Ferromagnetism Exhibited by Nanoparticles of Noble Metals. ChemPhysChem, 2011, 12, 2322-2327.	2.1	38
139	Ferromagnetism in thin-walled hollow spheres of non-magnetic inorganic materials. Chemical Physics Letters, 2011, 504, 189-192.	2.6	8
140	Enhanced Superconducting Properties of MgB ₂ by Carbon Substitution Using Carbon Containing Nano Additives. , 2011, , .		0
141	Highly enhanced in-field critical current density of MgB ₂ superconductor by combined addition of burned rice husk and nano Ho ₂ O ₃ . Solid State Sciences, 2010, 12, 610-616.	3.2	7
142	On the Defect Origin of the Room Temperature Magnetism Universally Exhibited by Metal Oxide Nanoparticles. ChemPhysChem, 2010, 11, 1673-1679.	2.1	22
143	Topology of two-band superconductors. Physica C: Superconductivity and Its Applications, 2010, 470, S966-S967.	1.2	2
144	Synthesis of smooth and superconducting (Cu, C)-BaO/CaCuO ₂ /(Cu, C)-BaO films using SrCuO ₂ buffer. Physica C: Superconductivity and Its Applications, 2010, 470, S71-S72.	1.2	1

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145	Effects of Ni and Co doping on the physical properties of tetragonal FeSe _{0.5} Te _{0.5} superconductor. Physica C: Superconductivity and Its Applications, 2010, 470, 528-532.	1.2	40
146	Topological structure of the inter-band phase difference soliton in two-band superconductivity. Physica C: Superconductivity and Its Applications, 2010, 470, 1010-1012.	1.2	6
147	On the observation of negative magnetization under zero-field-cooled process. Solid State Communications, 2010, 150, 1162-1164.	1.9	74
148	Burned Rice Husk: An Effective Additive for Enhancing the Electromagnetic Properties of MgB ₂ Superconductor. Journal of the American Ceramic Society, 2010, 93, 732-736.	3.8	12
149	Temperature-induced magnetization reversal in $\text{BiFe}_{1-x}\text{Mn}_x\text{O}_{3-\delta}$ at high pressure. Physical Review B, 2010, 82, .	3.2	92
150	Multiferroic and magnetoelectric properties of core-shell CoFe ₂ O ₄ @BaTiO ₃ nanocomposites. Applied Physics Letters, 2010, 97, .	3.3	115
151	Structure, magnetism and giant dielectric constant of BiCr _{0.5} Mn _{0.5} O ₃ synthesized at high pressures. Journal of Materials Chemistry, 2010, 20, 1646-1650.	6.7	17
152	Investigation of biferric properties in La _{0.6} Sr _{0.4} MnO ₃ /0.7Pb(Mg _{1/3} Nb _{2/3})O ₃ â€“0.3PbTiO ₃ epitaxial bilayered heterostructures. Journal of Applied Physics, 2009, 106, .	2.5	14
153	Zero magnetization in a disordered (La _{1-x} Bi _x) ₂ (Fe _{0.5} Cr _{0.5})O ₃ uncompensated weak ferromagnet. Journal of Physics Condensed Matter, 2009, 21, 486002.	1.7	17
154	Pressure-dependent phase transition in the ordered BaBi _{0.7} Nb _{0.3} O ₃ perovskite. High Pressure Research, 2009, 29, 272-277.	1.2	2
155	Dielectric and impedance studies on the double perovskite Ba ₂ BiTaO ₆ . Solid State Sciences, 2009, 11, 861-864.	3.2	7
156	Synthesis and magnetic properties of BiFeO ₃ and Bi _{0.98} Y _{0.02} FeO ₃ . Materials Chemistry and Physics, 2009, 116, 599-602.	4.0	28
157	Itinerant ferromagnetism to insulating spin glass in SrRu _{1-x} Cu _x O ₃ (0â‰¤xâ‰¤0.3). Materials Research Bulletin, 2009, 44, 576-580.	5.2	8
158	Multiferroic properties of ErMnO ₃ . Materials Research Bulletin, 2009, 44, 2123-2126.	5.2	40
159	Ferromagnetism as a universal feature of inorganic nanoparticles. Nano Today, 2009, 4, 96-106.	11.9	389
160	Crystal structure and dielectric properties of ordered perovskites Ba ₂ BiSbO ₆ and BaSrBiSbO ₆ . Physica B: Condensed Matter, 2009, 404, 154-157.	2.7	9
161	Charge-order-driven multiferroic properties of YCaMnO. Solid State Communications, 2009, 149, 49-51.	1.9	21
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