

Sundaresan Athinarayanan

List of Publications by Year in descending order

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242
papers

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citations

53794

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53230

85
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251
all docs

251
docs citations

251
times ranked

9100
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferromagnetism as a universal feature of nanoparticles of the otherwise nonmagnetic oxides. <i>Physical Review B</i> , 2006, 74, .	3.2	1,274
2	Ferromagnetism as a universal feature of inorganic nanoparticles. <i>Nano Today</i> , 2009, 4, 96-106.	11.9	389
3	Near-Room-Temperature Colossal Magnetodielectricity and Multiglass Properties in Partially Disordered $\text{La}_{1-x}\text{Ni}_x\text{MnO}_3$. <i>Physical Review Letters</i> , 2012, 108, 127201.	7.8	375
4	MnO and NiO nanoparticles: synthesis and magnetic properties. <i>Journal of Materials Chemistry</i> , 2006, 16, 106-111.	6.7	302
5	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
6	Multiferroic and Magnetoelectric Oxides: The Emerging Scenario. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2237-2246.	4.6	161
7	Multiferroic properties of nanocrystalline BaTiO ₃ . <i>Solid State Communications</i> , 2009, 149, 1-5.	1.9	160
8	Room-temperature ferromagnetism in undoped GaN and CdS semiconductor nanoparticles. <i>Physical Review B</i> , 2008, 77, .	3.2	154
9	Borocarbonitrides, B _x C _y N _z . <i>Journal of Materials Chemistry A</i> , 2013, 1, 5806.	10.3	143
10	Spin-Reorientation, Ferroelectricity, and Magnetodielectric Effect in YFeO_3 .		

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19	Temperature-induced magnetization reversal in $\text{BiFe}_{0.5}\text{Mn}_{0.5}\text{O}_3$ at high pressure. Physical Review B, 2010, 82, .	3.2	92
20	Hollow Spheres to Nanocups: Tuning the Morphology and Magnetic Properties of Single-Crystalline Fe_2O_3 Nanostructures. Angewandte Chemie - International Edition, 2008, 47, 7685-7688.	13.8	90
21	Spin reorientation and magnetization reversal in the perovskite oxides, $\text{YFe}_{1-x}\text{Mn}_x\text{O}_3$ (0 ≤ x ≤ 0.45): A neutron diffraction study. Journal of Solid State Chemistry, 2013, 197, 408-413.	2.9	87
22	Spin-glass state and magnetic-field-induced phenomena in distorted $\text{Eu}_{0.58}\text{Sr}_{0.42}\text{MnO}_3$ perovskite. Physical Review B, 1997, 55, 5596-5599.	3.2	86
23	Weak ferromagnetism and magnetization reversal in $\text{YFe}_x\text{Cr}_{3-x}\text{O}_3$. Europhysics Letters, 2012, 99, 17008.	2.0	84
24	Ferroelectricity Induced by Cations of Nonequivalent Spins Disordered in the Weakly Ferromagnetic Perovskites, $\text{YCr}_{1-x}\text{M}_x\text{O}_3$ (M = Fe or Mn). Chemistry of Materials, 2012, 24, 3591-3595.	6.7	83
25	On the observation of negative magnetization under zero-field-cooled process. Solid State Communications, 2010, 150, 1162-1164.	1.9	74
26	Synthesis, Characterization, Photocatalysis, and Varied Properties of TiO_2 Cosubstituted with Nitrogen and Fluorine. Inorganic Chemistry, 2013, 52, 10512-10519.	4.0	74
27	Effect of A-site cation size mismatch on charge ordering and colossal magnetoresistance properties of perovskite manganites. Physical Review B, 1997, 56, 5092-5095.	3.2	71
28	Implications and consequences of ferromagnetism universally exhibited by inorganic nanoparticles. Solid State Communications, 2009, 149, 1197-1200.	1.9	70
29	Synthesis and Properties of Cobalt Sulfide Phases: CoS_2 and Co_9S_8 . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1069-1074.	1.2	70
30	Tuning of dielectric properties and magnetism of SrTiO_3 by site-specific doping of Mn. Physical Review B, 2011, 84, .	3.2	67
31	Enhanced Thermal Oxidation Stability of Reduced Graphene Oxide by Nitrogen Doping. Chemistry - A European Journal, 2014, 20, 11999-12003.	3.3	66
32	Reentrant spin-glass state and magnetodielectric effect in the spiral magnet BiMnFeO_6 . Physical Review B, 2014, 90, .	3.2	64
33	Tuning the nature of nitrogen atoms in N-containing reduced graphene oxide. Carbon, 2016, 96, 594-602.	10.3	63
34	Bandwidth-controlled magnetic and electronic transitions in $\text{La}_{0.5}\text{Ca}_{0.5-x}\text{Sr}_x\text{MnO}_3$ (0 < x < ~0.5) distorted perovskite. Physical Review B, 1998, 57, 2690-2693.	3.2	59
35	Interplay of 4f-3d magnetism and ferroelectricity in DyFeO_3 . Europhysics Letters, 2013, 101, 17001.	2.0	59
36	Effect of internal electric field on ferroelectric polarization in multiferroic TbMnO_3 . Solid State Communications, 2015, 205, 61-65.	1.9	58

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37	Effect of anti-site disorder on magnetism in $\text{La}_{1-x}\text{Mn}_x\text{O}_3$. Physical Review B, 2018, 97, .	8.2	58
38	Room-temperature ferromagnetism in nanoparticles of superconducting materials. Solid State Communications, 2007, 142, 685-688.	1.9	56
39	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
40	Multiferroic and magnetoelectric nature of GaFeO_3 , AlFeO_3 and related oxides. Solid State Communications, 2012, 152, 1964-1968.	1.9	55
41	Phase Transitions of AlFeO_3 and GaFeO_3 from the Chiral Orthorhombic ($\text{Pna}2_1$) Structure to the Rhombohedral ($\text{R}\bar{3}c$) Structure. Inorganic Chemistry, 2011, 50, 9527-9532.	4.0	51
42	Nanoparticles of superconducting Mo_2N and MoN . Journal of Solid State Chemistry, 2007, 180, 291-295.	2.9	49
43	Structure and magnetic properties of the $\text{Al}_{1-x}\text{Ga}_x\text{FeO}_3$ family of oxides: A combined experimental and theoretical study. Journal of Solid State Chemistry, 2011, 184, 494-501.	2.9	47
44	Jahn-Teller distortion and magnetoresistance in electron doped $\text{Sr}_{1-x}\text{Ce}_x\text{MnO}_3$ ($x = 0.1, 0.2, 0.3$ and 0.4). European Physical Journal B, 2000, 14, 431-438.	1.5	45
45	Experimental evidence of Ga-vacancy induced room temperature ferromagnetic behavior in GaN films. Applied Physics Letters, 2011, 99, 162512.	3.3	45
46	Temperature dependent magnetic, dielectric and Raman studies of partially disordered $\text{La}_2\text{NiMnO}_6$. Solid State Communications, 2014, 184, 47-51.	1.9	45
47	Identifying defects in multiferroic nanocrystalline BaTiO_3 by positron annihilation techniques. Journal of Physics Condensed Matter, 2009, 21, 445902.	1.8	44
48	Multiferroic and magnetodielectric properties of the $\text{Al}_{1-x}\text{Ga}_x\text{FeO}_3$ family of oxides. Journal of Materials Chemistry, 2011, 21, 57-59.	6.7	43
49	Multiferroic nature of charge-ordered rare earth manganites. Journal of Physics Condensed Matter, 2007, 19, 496217.	1.8	41
50	Crucial role of oxygen stoichiometry in determining the structure and properties of BiMnO_3 . Journal of Materials Chemistry, 2008, 18, 2191.	6.7	41
51	Multiferroic properties of ErMnO_3 . Materials Research Bulletin, 2009, 44, 2123-2126.	5.2	40
52	Effects of Ni and Co doping on the physical properties of tetragonal $\text{FeSe}_{0.5}\text{Te}_{0.5}$ superconductor. Physica C: Superconductivity and Its Applications, 2010, 470, 528-532.	1.2	40
53	Interface dominated biferroic $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3 \cdot 0.7\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3 \cdot 0.3\text{PbTiO}_3$ epitaxial superlattices. Applied Physics Letters, 2007, 90, 122902.	3.3	39
54	Ferromagnetism Exhibited by Nanoparticles of Noble Metals. ChemPhysChem, 2011, 12, 2322-2327.	2.1	38

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55	Zero magnetization in a disordered $(\text{La}_{1-x}\text{Bi}_x)_2(\text{Fe}_{0.5}\text{Cr}_{0.5})\text{O}_3$ uncompensated weak ferromagnet. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 486002.	1.7	27
56	Unprecedented 30 K hysteresis across switchable dielectric and magnetic properties in a bright luminescent organic-inorganic halide $(\text{CH}_6\text{N}_3)_2\text{MnCl}_4$. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4838-4845.	5.5	37
57	A planar Cu^{2+} ($S = 1/2$) kagomé network pillared by 1,2-bis(4-pyridyl) ethane with interesting magnetic properties. <i>Dalton Transactions</i> , 2009, , 5062.	3.3	36
58	Magnetization relaxation and aging in spin-glass $(\text{La},\text{Y})_{1-x}\text{Ca}_x\text{MnO}_3$ ($x=0.25, 0.3$ and 0.5) perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 184, 83-88.	2.3	35
59	Effect of pressure on octahedral distortions in RCrO_3 ($\text{R} = \text{Lu}, \text{Tb}, \text{Gd}, \text{Eu}, \text{Sm}$): the role of R^{3+} ion size and its implications. <i>Materials Research Express</i> , 2014, 1, 026111.	1.6	35
60	Mechanism of T_c enhancement in $\text{Cu}_{1-x}\text{Tl}_x-1234$ and -1223 system with $T_c > 130$ K. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 487-488.	1.2	34
61	Ordered aschynite-type polar magnets RFeWO_6 ($\text{R} = \text{Lu}, \text{Tb}, \text{Gd}, \text{Eu}, \text{Sm}$): the role of R^{3+} ion size and its implications. <i>Materials Research Express</i> , 2014, 1, 026111.	3.2	34
62	Coupled phonons, magnetic excitations, and ferroelectricity in AlFeO_3 : Raman and first-principles studies. <i>Physical Review B</i> , 2012, 85, .	3.2	31
63	New rare earth hafnium oxynitride perovskites with photocatalytic activity in water oxidation and reduction. <i>Chemical Communications</i> , 2018, 54, 1525-1528.	4.1	31
64	A-Site and B-Site Cation Ordering Induces Polar and Multiferroic Behavior in the Perovskite NaLnNiWO_6 ($\text{Ln} = \text{Y}, \text{Dy}, \text{Ho},$ and Yb). <i>Chemistry of Materials</i> , 2020, 32, 5641-5649.	6.7	30
65	Linear magnetoelectric effect as a signature of long-range collinear antiferromagnetic ordering in the frustrated spinel CoAl_2O_4 . <i>Physical Review B</i> , 2017, 95, .	3.2	29
66	Anomalous magnetic ordering of Ce and Kondo-like effect in the double-exchange ferromagnet $(\text{Pr}_{0.1}\text{Ce}_{0.4}\text{Sr}_{0.5})\text{MnO}_3$. <i>Physical Review B</i> , 1999, 60, 533-537.	3.2	28
67	Strong reduction of thermally activated flux jump rate in superconducting thin films by nanodot-induced pinning centers. <i>Applied Physics Letters</i> , 2002, 80, 3566-3568.	3.3	28
68	Dielectric properties, thermal decomposition and related aspects of BiAlO_3 . <i>Solid State Communications</i> , 2008, 146, 435-437.	1.9	28
69	Synthesis and magnetic properties of BiFeO_3 and $\text{Bi}_{0.98}\text{Y}_{0.02}\text{FeO}_3$. <i>Materials Chemistry and Physics</i> , 2009, 116, 599-602.	4.0	28
70	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
71	Synthesis, anion order and magnetic properties of RVO_3 perovskites ($\text{R} = \text{La}, \text{Pr}, \text{Nd}$; $0 \leq x \leq 1$). <i>Journal of Materials Chemistry C</i> , 2014, 2, 2212.	5.5	28
72	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

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73	The absence of ferroelectric polarization in layered and rock-salt ordered NaLnMnWO_6 ($\text{Ln} = \text{La, Nd, Tb}$) perovskites. Physical Chemistry Chemical Physics, 2014, 16, 5407-5411.	2.8	26
74	Magnetodielectric effects in site cation-ordered chromate spinels $\text{LiM}_4\text{O}_{12}\text{C}_4$ ($\text{M} = \text{Li, Mn, Ni}$) synthesized by the high-pressure synthesis of doubly ordered perovskites $\text{LiM}_4\text{O}_{12}\text{C}_4$.	3.2	26
75	Magneto-electric properties of spinels NaYMnWO_6 and NaHoCoWO_6 .	3.2	26
76	Magnetolectric and multiferroic properties of spinels. Journal of Applied Physics, 2021, 129, .	2.5	26
77	Remarkable Properties of ZnO Heavily Substituted with Nitrogen and Fluorine, $\text{ZnO}_{1-x}\text{N}_x\text{F}_x$ (N,F). ChemPhysChem, 2013, 14, 2672-2677.	2.1	25
78	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.	2.8	23
79	On the Defect Origin of the Room-Temperature Magnetism Universally Exhibited by Metal Oxide Nanoparticles. ChemPhysChem, 2010, 11, 1673-1679.	2.1	22
80	Mössbauer spectroscopic study of spin reorientation in Mn-substituted yttrium orthoferrite. Journal of Physics Condensed Matter, 2011, 23, 436001.	1.8	22
81	Room-temperature ferromagnetism in graphitic petal arrays. Nanoscale, 2011, 3, 900.	5.6	22
82	Synthetic approaches to borocarbonitrides, BC_xN ($x=1-2$). Journal of Solid State Chemistry, 2011, 184, 2902-2908.	2.9	22
83	Magnetic compensation-induced sign reversal of exchange bias in a multi-glass perovskite SmFeO_3 . Applied Physics Letters, 2017, 111, .	3.3	22
84	Magnetic ground state, field-induced transitions, electronic structure, and optical band gap of the frustrated antiferromagnet GeCo_2O_4 . Physical Review B, 2019, 99, .	3.2	22
85	Charge-order-driven multiferroic properties of YCaMnO . Solid State Communications, 2009, 149, 49-51.	1.9	21
86	Optical, magnetic and magneto-transport properties of $\text{Nd}_{1-x}\text{A}_x\text{Mn}_{0.5}\text{Fe}_{0.5}\text{O}_3$ ($\text{A} = \text{Ca, Sr, Ba}$; $x=0, 0.25$). Journal of Alloys and Compounds, 2020, 847, 156297.	5.5	21
87	Magnetolectric effect in simple collinear antiferromagnetic spinels. Physical Review B, 2016, 94, .	3.2	20
88	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
89	Synthesis, Structure, and Physical Properties of the Polar Magnet DyCrWO_6 . Inorganic Chemistry, 2018, 57, 12827-12835.	4.0	20
90	Structure and complex magnetic behavior of disordered perovskite $(\text{Bi}_{0.5}\text{Sr}_{0.5})(\text{Fe}_{0.5}\text{Mn}_{0.5})\text{O}_3$. RSC Advances, 2012, 2, 292-297.	3.6	19

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91	Structural coupling and magnetodielectric effects in the cation-ordered spinel LiFeC_4		19
92	Electron-doped superconductivity induced by oxygen vacancies in as-grown $\text{Sr}_{0.6}\text{Ca}_{0.4}\text{CuO}_2$ infinite-layer films. Superconductor Science and Technology, 2003, 16, L1-L3.	3.5	18
93	Influence of reactivity of sheath materials with Mg/B on superconducting properties of MgB ₂ . Journal of Applied Physics, 2007, 102, .	2.5	18
94	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
95	Linear magnetoelectric effect in antiferromagnetic $\text{Sm}_2\text{Mn}_2\text{O}_7$. Physical Review B, 2019, 100, .		
96	Polar magnetic oxides from chemical ordering: A new class of multiferroics. APL Materials, 2020, 8, 040906.	5.1	18
97	Nanodots-induced pinning centers in thin films: effects on critical current density, activation energy and flux jump rate. IEEE Transactions on Applied Superconductivity, 2003, 13, 3726-3729.	1.7	17
98	Structure, magnetism and giant dielectric constant of $\text{BiCr}_{0.5}\text{Mn}_{0.5}\text{O}_3$ synthesized at high pressures. Journal of Materials Chemistry, 2010, 20, 1646-1650.	6.7	17
99	Preparation of Tl-2212 and Tl-1223 superconductor thin films and their microwave surface resistance. IEEE Transactions on Applied Superconductivity, 2003, 13, 2913-2916.	1.7	16
100	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
101	Large linear magnetoresistance in topological crystalline insulator $\text{Pb}_{0.6}\text{Sn}_{0.4}\text{Te}$. Journal of Solid State Chemistry, 2016, 233, 199-204.	2.9	16
102	Visible-light excited polar Dion-Jacobson $\text{Rb}(\text{Bi}_{1-x}\text{Eu}_x)_2\text{Ti}_2\text{NbO}_{10}$ perovskite: Photoluminescence properties and in-vitro bioimaging. Journal of Materials Chemistry B, 2022, .	5.8	16
103	X-ray photoelectron spectroscopic studies of the valence state of Tl in single-Tl-O-layered $\text{TlBa}_{1-x}\text{Sr}_x\text{LaCuO}_5$ ($0 \leq x \leq 1$). Physical Review B, 1992, 46, 6622-6625.	3.2	15
104	Nuclear and magnetic structures in new distorted perovskites $\text{Pr}_{0.5-x}\text{Ce}_x\text{Sr}_{0.5}\text{MnO}_3$ ($x = 0.1$ and 0.2). Solid State Communications, 1997, 104, 489-493.	1.9	14
105	Anomalous behaviour of irreversibility lines in multi-layered superconductor $(\text{Cu,C})\text{Ba}_2\text{Ca}_3\text{Cu}_4\text{O}_y$. Superconductor Science and Technology, 2004, 17, 423-429.	3.5	14
106	Investigation of biferroic properties in $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3/0.7\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ epitaxial bilayered heterostructures. Journal of Applied Physics, 2009, 106, .	2.5	14
107	Kondo-like effect in the double exchange ferromagnet $\text{La}_{0.5-x}\text{Ce}_x\text{Sr}_{0.5}\text{MnO}_3$. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 777-779.	2.3	13
108	Ferroelectricity in Ordered Perovskite $\text{BaBi}_{0.5}\text{Bi}_{0.5}\text{Nb}_{0.3}\text{O}_{13}$ with Lone Pair at the B-site. Chemistry of Materials, 2007, 19, 4114-4116.	3.7	13

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109	Magnetic Properties of a Ni ²⁺ Kagome System. ChemPhysChem, 2007, 8, 217-219.	2.1	13
110	Synthesis and Magnetic Properties of Pb_3VOF_6 . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1109-1114.	1.2	13
111	Influence of preparation conditions on superconducting properties of Bi-2223 thin films. Bulletin of Materials Science, 2014, 37, 19-25.	1.7	13
112	Coexistence of G - and C -type orbital ordered phases and its correlation with magnetization reversal in YVO_3 . Physica C: Superconductivity and Its Applications, 2003, 383, 482-490.	3.2	13
113	Cluster-glass behavior in the two-dimensional triangular lattice Ising-spin compound Li_2VO_7 . Physica C: Superconductivity and Its Applications, 2003, 383, 482-490.	3.2	13
114	Muon spin rotation and neutron scattering investigations of the B_2O_7 -site ordered double perovskite $\text{Sr}_2\text{B}_2\text{O}_7$. Physica C: Superconductivity and Its Applications, 2003, 383, 482-490.	3.2	13
115	$\text{TiBa}_2\text{Ca}_2\text{Cu}_3\text{O}_y$ superconducting films on MgO with different morphologies. Physica C: Superconductivity and Its Applications, 2003, 383, 482-490.	1.2	12
116	Ferroelectricity in (M=Al and Ga) with the structure. Solid State Communications, 2006, 140, 42-44.	1.9	12
117	Realization of biferroic properties in $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3\text{Pb}_{0.7}\text{(Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ (0.3(PbTiO ₃) epitaxial superlattices. Journal of Applied Physics, 2007, 101, 114104.	2.5	12
118	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
119	Domains in multiband superconductors. Physica C: Superconductivity and Its Applications, 2011, 471, 747-750.	1.2	12
120	Possible coexistence of cycloidal phases, magnetic field reversal of polarization, and memory effect in multiferroic $\text{R}_{0.5}\text{Dy}_{0.5}\text{MnO}_3$ (R=Eu and Gd). Applied Physics Letters, 2015, 107, 052902.	3.3	12
121	Structural and magnetic properties of a new and ordered quaternary alloy MnNiCuSb (SG: $\text{I}4/m\bar{2}m$). Journal of Applied Physics, 2016, 119, 084301.	2.3	12
122	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
123	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
124	Synthesis, structure, optical and magnetic properties of $\text{Nd}_{1-x}\text{A}_x\text{Mn}_{0.5}\text{Co}_{0.5}\text{O}_3$ (A = Ba, Sr and Ca; x =). Journal of Applied Physics, 2000, 88, 124301.	4.8	12
125	(Cu,Tl)Ba ₂ Ca ₃ Cu ₄ O _x compositions: I. The influence of synthesis time and temperature on the phase formation and evaporation-condensation mechanism. Superconductor Science and Technology, 2002, 15, 964-974.	3.5	11
126	Structural and superconducting properties of bulk MgB_2 with added nano Tb_4O_7 . Superconductor Science and Technology, 2008, 21, 025003.	3.5	11

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127	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
128	Ti-rich double perovskites LnCu ₃ YTi ₂ Mn _{2+x+y} O ₁₂ : ferrimagnetism and magnetoresistance up to room temperature. Journal of Materials Chemistry C, 2014, 2, 6061.	5.5	11
129	Induced ferroelectric states in centrosymmetric R_2O_5 ($R = \text{Bi, Pb, Sn, Sb, Te, Tl, Tl}^{\text{II}}$) $\text{Tl}^{\text{I}}\text{ETQq}_1\text{O}_7\text{BT}$ O_7BT	3.2	11
130	Preparation of Tl-2212 and -1223 superconductor thin films and their microwave properties. Physica C: Superconductivity and Its Applications, 2003, 388-389, 473-474.	1.2	10
131	A simple test for high- and low- R_s superconducting thin films. Superconductor Science and Technology, 2003, 16, L23-L24.	3.5	10
132	Effect of co-substitution of nitrogen and fluorine in BaTiO ₃ on ferroelectricity and other properties. Journal of Physics Condensed Matter, 2013, 25, 345901.	1.8	10
133	Neutron scattering study of the crystallographic and spin structure in antiferromagnetic EuZrO_3 EuZrO_3	3.2	10
134	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
135	Spin-driven ferroelectricity and large magnetoelectric effect in monoclinic MnSb_2S_4 MnSb_2S_4	3.2	10
136	Average Structure, Local Structure, Photoluminescence, and NLO Properties of Scheelite Type $\text{NaCe(WO}_4)_2$. Crystal Growth and Design, 2019, 19, 6082-6091.	3.0	10
137	Elusive Co_2O_3 : A Combined Experimental and Theoretical Study. ACS Omega, 2020, 5, 29009-29016.	3.5	10
138	Structural, Magnetic, and Electrical Properties of Doubly Ordered Perovskites NaLnNiWO_6 ($\text{Ln} = \text{La, Pr, Nd, Sm, Eu, Gd, and Tb}$). Journal of Physical Chemistry C, 2021, 125, 6749-6757.	3.1	10
139	Magnetoelectric effect in the honeycomb-lattice antiferromagnet BaNi_2O_7 BaNi_2O_7	3.2	10
140	On Ferro- and Antiferro-Spin-Density Waves Describing the Incommensurate Magnetic Structure of NaYNiWO_6 . Inorganic Chemistry, 2020, 59, 17856-17859.	4.0	10
141	Interplay of Mn^{2+} interactions and spin-induced ferroelectricity in the green phase Mn_4F_4	3.6	10
142	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
143	TlSr ₂ CaCu ₂ O _y template for the growth of superconducting Tl(Ba, Sr) ₂ Ca ₂ Cu ₃ O _y thin films on CeO ₂ buffered sapphire. Superconductor Science and Technology, 2002, 15, 960-963.	3.5	9
144	High critical current density in Ag-doped Bi-2212 thin films. Superconductor Science and Technology, 2008, 21, 105002.	3.5	9

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145	Crystal structure and dielectric properties of ordered perovskites Ba ₂ BiSbO ₆ and BaSrBiSbO ₆ . <i>Physica B: Condensed Matter</i> , 2009, 404, 154-157.	2.7	9
146	¹¹⁹ Sn NMR probe of magnetic fluctuations in SnO ₂ nanoparticles. <i>Europhysics Letters</i> , 2011, 96, 67008.	2.0	9
147	The structure of two new non-centrosymmetric phases of oxygen deficient bismuth manganite. <i>Journal of Materials Chemistry</i> , 2011, 21, 15417.	6.7	9
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