

Subham Majumdar

List of Publications by Year in descending order

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168
papers

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citations

147801

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161849

54
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170
all docs

170
docs citations

170
times ranked

3280
citing authors

#	ARTICLE	IF	CITATIONS
1	Exchange bias effect in alloys and compounds. Journal of Physics Condensed Matter, 2011, 23, 073201.	1.8	270
2	Inverse barocaloric effect in the giant magnetocaloric La _{0.8} Fe _{0.2} Si ₁₀ Co compound. Nature Communications, 2011, 2, 595.	12.8	175
3	Field-induced magnetization steps in intermetallic compounds and manganese oxides: The martensitic scenario. Physical Review B, 2004, 69, .	3.2	157
4	Barocaloric and magnetocaloric effects in $\text{Fe}_{49}\text{Mn}_{51}$ alloy. Physical Review B, 2014, 89, .	3.2	150
5	Reentrant spin-glass state in $\text{Ni}_{2/\text{Mn}}\text{Mn}_{1/50}$ alloy. Physical Review B, 2009, 79, .	3.2	150
6	Tailoring barocaloric and magnetocaloric properties in low-hysteresis magnetic shape memory alloys. Acta Materialia, 2015, 96, 324-332.	7.9	89
7	Magnetocaloric effect in the low hysteresis Ni-Mn-In metamagnetic shape-memory Heusler alloy. Journal of Applied Physics, 2014, 115, .	2.5	86
8	Reversible adiabatic temperature changes at the magnetocaloric and barocaloric effects in Fe ₄₉ Rh ₅₁ . Applied Physics Letters, 2015, 107, .	3.3	80
9	Cryogenic magnetocaloric effect in zircon-type RVO ₄ (R = Gd, Ho, Er, and Yb). Journal of Materials Chemistry C, 2017, 5, 1646-1650.	5.5	77
10	Coexistence of superparamagnetic and superspin glass behaviors in Co ₅₀ Ni ₅₀ nanoparticles embedded in the amorphous SiO ₂ host. Journal of Applied Physics, 2009, 105, .	2.5	76
11	Giant magnetoresistance and large inverse magnetocaloric effect in Ni ₂ Mn _{1.36} Sn _{0.64} alloy. Journal Physics D: Applied Physics, 2009, 42, 065001.	2.8	75
12	Metastability and magnetic memory effect in $\text{Mn}_{1.4}\text{Sn}_{0.6}$ alloy. Physical Review B, 2008, 77, .	3.2	69
13	Spin-glass-like state in GdCu: Role of phase separation and magnetic frustration. Physical Review B, 2011, 83, .	3.2	63
14	Ferroelectricity in spiral short-range-ordered magnetic state of spinel MnCr_2O_4 : Significance of topological frustration and magnetoelastic coupling. Physical Review B, 2014, 90, .	3.2	60
15	Giant multicaloric response of bulk $\text{Fe}_{49}\text{Mn}_{51}$ alloy. Physical Review B, 2017, 95, .	3.2	60
16	Polaron relaxation and hopping conductivity in LaMnO_3 . Physical Review B, 2009, 79, .	3.2	59
17	Thermomagnetic irreversibility in $\text{Ni}_{2/\text{Mn}}\text{Mn}_{1/50}$ alloy. Physical Review B, 2008, 77, .	3.2	59
18	Magnetocaloric effect in Gd ₂ PdSi ₃ . Applied Physics Letters, 2000, 77, 418-420.	3.3	56

#	ARTICLE	IF	CITATIONS
19	Atypical multiferroicity of HoCrO ₃ in bulk and film geometry. Journal of Materials Chemistry C, 2015, 3, 4162-4167.	5.5	52
20	Multifunctionality attributed to the self-doping in polycrystalline La _{0.9} MnO ₃ : Coexistence of large magnetoresistance and magnetocaloric effect. Applied Physics Letters, 2009, 94, .	3.3	46
21	Transport properties of the ferromagnetic Heusler alloy Co ₂ TiSn. Physical Review B, 2005, 72, .	3.2	45
22	Spin-glass like features in cluster-glass compounds La _{1-x} Mn _{0.7} Fe _{0.3} O ₃ . Journal Physics D: Applied Physics, 2007, 40, 7614-7619.	2.8	43
23	Exchange-striction induced giant ferroelectric polarization in copper-based multiferroic material $CuMn_2O_7$. Physical Review B, 2010, 81, 041101.	3.2	41
24	A Griffiths-like phase in antiferromagnetic R _{0.5} Eu _{0.5} MnO ₃ (R = Pr, Tj). Physical Review B, 2009, 79, 041101.	1.8	40
25	Exchange bias with Fe substitution in LaMnO ₃ . European Physical Journal B, 2007, 58, 367-371.	1.5	39
26	Magnetization reversal and inverse exchange bias phenomenon in the ferrimagnetic polycrystalline compound $Er_2Mn_2O_7$. Physical Review B, 2018, 98, .	3.2	36
27	Magnetic properties of Heusler alloys: Theory and experiment. Journal of Magnetism and Magnetic Materials, 2010, 322, 102-107.	2.3	35
28	Memory effects in superparamagnetic and nanocrystalline Fe ₅₀ Ni ₅₀ alloy. Journal of Applied Physics, 2012, 111, .	2.5	34
29	Magnetic behavior of Eu ₂ CuSi ₃ : Large negative magnetoresistance above the Curie temperature. Physical Review B, 1999, 60, 6770-6774.	3.2	32
30	The exchange bias effect in phase separated Nd _{1-x} Sr _x CoO ₃ at the spontaneous ferromagnetic/ferrimagnetic interface. Journal of Physics Condensed Matter, 2009, 21, 236004.	1.8	32
31	Anomalous magnetic field dependence of magnetocaloric effect at low temperature in Pr _{0.52} Sr _{0.48} MnO ₃ single crystal. Journal of Applied Physics, 2010, 107, .	2.5	31
32	Glassy magnetic phase driven by short-range charge and magnetic ordering in nanocrystalline La _{1-x} Sr _x MnO ₃ . Physical Review B, 2009, 79, 041101.	3.2	31
33	Anomalous transport and magnetic behaviours of the quaternary Heusler compounds CoFeTiSn and CoFeVGa. Journal of Magnetism and Magnetic Materials, 2019, 478, 155-160.	2.3	31
34	Magnetotransport and magnetocaloric effect in Ho ₂ In. European Physical Journal B, 2009, 70, 347-351.	1.5	30
35	Magnetoelectric Coupling, Ferroelectricity, and Magnetic Memory Effect in Double Perovskite La ₃ Ni ₂ NbO ₉ . ACS Applied Materials & Interfaces, 2016, 8, 12901-12907.	8.0	29
36	Ferroelectric order associated with ordered occupancy at the octahedral site of the inverse spinel structure of multiferroic $NiFe_2O_4$. Physical Review B, 2019, 99, .	3.2	28

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37	Particle size dependent exchange bias and cluster-glass states in LaMn _{0.7} Fe _{0.3} O ₃ . Journal of Physics Condensed Matter, 2008, 20, 195215.	1.8	27
38	Transport, magnetic and structural investigations of Co-Ni-Al shape memory alloy. Journal of Alloys and Compounds, 2008, 456, 96-100.	5.5	27
39	Giant magneto-caloric effect near room temperature in Ni-Mn-Sn-Ga alloys. Journal of Alloys and Compounds, 2010, 503, 273-276.	5.5	27
40	Grain size effect on the magnetic cluster-glass properties of La _{0.88} Sr _{0.12} CoO ₃ . Journal of Physics Condensed Matter, 2010, 22, 116001.	1.8	26
41	Spin correlated dielectric memory and rejuvenation in multiferroic CuCrS ₂ . Applied Physics Letters, 2014, 104, .	3.3	26
42	Multifunctional behavior of Fe-doped MnNiGe magnetic equiatomic compound. Journal of Magnetism and Magnetic Materials, 2015, 395, 312-315.	2.3	26
43	distortion-driven ferroelectric order in CrO ₄		

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55	Field induced sign reversal of magnetocaloric effect in Gd ₂ In. Journal of Magnetism and Magnetic Materials, 2012, 324, 1239-1241.	2.3	22
56	Multiple magneto-functional properties of Ni ₄₆ Mn ₄₁ In ₁₃ shape memory alloy. Journal of Alloys and Compounds, 2013, 578, 157-161.	5.5	22
57	Excess Ni-doping induced enhanced room temperature magneto-functionality in Ni-Mn-Sn based shape memory alloy. Applied Physics Letters, 2014, 105, .	3.3	22
58	Magnetic susceptibility and heat capacity investigations of the unconventional spin-chain compound Sr ₃ CuPtO ₆ . Physical Review B, 2004, 69, .	3.2	21
59	Observation of Griffiths phase in antiferromagnetic La _{0.32} Eu _{0.68} MnO ₃ . Journal of Physics Condensed Matter, 2012, 24, 126003.	1.8	21
60	Observation of non-Fermi liquid behavior in hole-doped Eu ₂ Ir ₂ O ₇ . Physical Review B, 2017, 96, .	3.2	21
61	Natural ferroelectric order near ambient temperature in the orthoferrite HoFeO . Physical Review B, 2017, 96, .	3.2	21
62	Perinamagnetism, Antiferromagnetism, and magnetic frustration in La ₂ Sr ₂ Fe ₂ O ₁₀ . Physical Review B, 2017, 96, .	3.2	20
63	Hydrostatic pressure effect on the magnetocaloric behavior of Ga-doped MnNiGe magnetic equiatomic alloy. Journal Physics D: Applied Physics, 2016, 49, 125001.	2.8	19
64	Reply to comment on "Particle size dependent exchange bias and cluster-glass states in La _{0.7} Fe _{0.3} O ₃ ". Journal of Physics Condensed Matter, 2009, 21, 078002.	1.8	18
65	Magnetic anomaly and magnetocaloric effect in. Journal of Magnetism and Magnetic Materials, 2009, 321, 1828-1831.	2.3	18
66	Observation of large-Dmagnetic phase in Sr ₃ NiPtO ₆ . Physical Review B, 2010, 82, .	3.2	18
67	Strong magnetoelastic coupling and unconventional electric polarization in the triangular-lattice multiferroic Li _{0.99} Cu _{0.01} CrO ₂ . Physical Review B, 2013, 87, .	3.2	18
68	Ageing effects in nanocrystalline Co ₅₀ Ni ₅₀ and Fe ₅₀ Ni ₅₀ alloy: Role of magnetic anisotropy. Solid State Communications, 2012, 152, 1857-1861.	1.9	17
69	Effect of Sn doping on the martensitic and premartensitic transitions in Ni ₂ MnGa. Journal of Magnetism and Magnetic Materials, 2012, 324, 1891-1896.	2.3	17
70	Occurrence of magnetoelectric effect correlated to the Dy order in Dy ₂ NiMnO ₆ double perovskite. Journal of Applied Physics, 2015, 118, 064104.	2.5	17
71	Transport properties of Heusler compounds and alloys. Journal of Physics Condensed Matter, 2022, 34, 013001.	1.8	17
72	Memory effect and inverse thermal hysteresis in La _{0.87} Mn _{0.98} Fe _{0.02} O _x . Journal of Applied Physics, 2007, 101, 103909.	2.5	16

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73	Exchange bias effect at the irregular interfaces between Co and CoO nanostructures. Journal of Alloys and Compounds, 2009, 488, 27-30.	5.5	16
74	Colossal magnetocapacitance near room temperature in ferromagnetic Cr ₂ O ₃ film. Applied Physics Letters, 2013, 103, .	3.3	15
75	Cooperative spin freezing and the pinning assisted thermoremanent magnetization in Ni _{2.04} Mn _{1.36} Sn _{0.6} alloy. Journal of Applied Physics, 2014, 116, 083910.	2.5	15
76	Magnetoelastic coupling at spin-glass-like transition in Sr ₃ NiSb ₂ O ₉ . Journal of Alloys and Compounds, 2019, 778, 30-36.	5.5	15
77	Kinetics of the field-induced resistivity jump in $\langle \text{Ni} \rangle_{\text{Mn}}^2$ Physical Review B, 2010, 81, .	3.2	14
78	Ferromagnetic/antiferromagnetic exchange coupling in Ni ₂ MnSn-derived magnetic shape memory alloys. Journal of Physics: Conference Series, 2010, 200, 032011.	0.4	14
79	Successive magnetic transitions and low temperature magnetocaloric effect in RE ₂ Ni ₇ (RE=Dy, Ho). Journal of Magnetism and Magnetic Materials, 2011, 323, 1484-1489.	2.3	14
80	Magnetic and dielectric properties of Mn ₂ V ₂ O ₇ . Solid State Communications, 2016, 228, 10-15.	1.9	14
81	A theoretical and experimental study of magnetism in Gd ₂ In. Journal of Applied Physics, 2012, 111, .	2.5	13
82	Revival of martensitic instability in Ga doped Ni-Mn-In alloys. Intermetallics, 2013, 42, 56-61.	3.9	13
83	Observation of large low temperature magnetocaloric effect in HoCu ₂ . Journal of Applied Physics, 2015, 117, .	2.5	13
84	High-temperature ferroelectric order and magnetoelectric coupling driven by the magnetic field cooling effect in $\langle \text{R} \rangle_{\text{Mn}}^2$ Physical Review B, 2019, 100, .	3.2	13
85	Magnetic after-effect in Ni-Mn-Sb Heusler alloy. Journal of Magnetism and Magnetic Materials, 2008, 320, 617-621.	2.3	12
86	Spin polarized tunneling magnetoresistance in the self-doped manganite La _{0.9} MnO ₃ . Applied Physics Letters, 2009, 94, 212107.	3.3	12
87	Magnetic behaviour of doped dimer compounds Sr ₃ Cr ₂ xM _x O ₈ (M = V, Mn). European Physical Journal B, 2012, 85, 1.	1.5	12
88	Spin-glass like behaviour in strongly interacting nanocrystalline Ni embedded in SiO ₂ . Journal of Magnetism and Magnetic Materials, 2015, 394, 448-453.	2.3	12
89	Dielectric and impedance spectroscopy of Sm ₂ CoIrO ₆ double perovskite. Journal of Alloys and Compounds, 2021, 876, 160158.	5.5	12
90	Cluster-glass-like state and exchange bias effect in spontaneously phase separated, Pr _{0.7} Sr _{0.3} CoO ₃ . Journal of Applied Physics, 2010, 107, .	2.5	11

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91	Broken chain effect in doped SrCuO ₂ . Journal of Physics Condensed Matter, 2011, 23, 216006.	1.8	10
92	Critical phenomena in Pr _{0.52} Sr _{0.48} MnO ₃ single crystal. Journal of Alloys and Compounds, 2013, 577, 165-169.	5.5	10
93	Tuning of multiferroic orders correlated to oxygen stoichiometry in magnetite films. Applied Physics Letters, 2014, 105, .	3.3	10
94	Spin wave excitations in the pyrovanadate V_2O_7 . Physical Review B, 2016, 94, .	3.2	10
95	Magnetic states of Ni-Mn-Sn based shape memory alloy: A combined muon spin relaxation and neutron diffraction study. Physical Review B, 2019, 99, .	3.2	10
96	Tuning of multiferroic order with Co doping in $CuCr_2O_4$: Interplay between structure and orbital order. Physical Review Materials, 2019, 3, .	2.4	10
97	Glassy magnetic ground state in La _{4/3} Sr _{5/3} Mn ₂ O ₇ : Role of first order phase transition and short range antiferromagnetic correlations. Journal of Applied Physics, 2012, 112, 083915.	2.5	9
98	Microscopic investigation of low dimensional magnet Sc ₂ Cu ₂ O ₅ : combined experimental and <i>ab initio</i> approach. Journal of Physics Condensed Matter, 2019, 31, 245802.	1.8	9
99	Dielectric and impedance spectroscopy of Nd ₂ Co ₆ double perovskite. Journal of Physics Condensed Matter, 2020, 32, 495702.	1.8	9
100	Glassy magnetic state and negative temperature coefficient of resistivity in MnO_3 . Physical Review B, 2020, 102, .	1.8	9
101	Orthorhombic distortion and novel magnetic phase separation in Pr _{0.5} Eu _{0.5} MnO ₃ . Journal of Applied Physics, 2011, 110, 063914.	2.5	8
102	Metastability and inverse magnetocaloric effect in doped manganite (Nd _{0.25} Sm _{0.25} Sr _{0.5} MnO ₃) and ferromagnetic shape memory alloy (Ni ₂ Mn _{1.36} Sn _{0.64}): a comparison. Journal of Physics Condensed Matter, 2012, 24, 366001.	1.8	8
103	Multiple magnetic transitions and associated room temperature magneto-functionality in Ni _{2.048} Mn _{1.312} In _{0.64} . Journal of Magnetism and Magnetic Materials, 2016, 405, 270-273.	2.3	8
104	Metamagnetic transition and observation of spin-fluctuations in the antiferromagnetic Heusler compound Pd ₂ MnIn. Journal of Physics Condensed Matter, 2018, 30, 405803.	1.8	8
105	Cationic disorder: A pathway for demonstrating inverse exchange bias in Cd_2CoRuO_6 . Physical Review Materials, 2021, 5, .	3.2	8
106	Rhombohedral distortion-driven ferroelectric order and exchange bias effect in geometrically frustrated $ZnFe_2O_4$. Physical Review Materials, 2021, 5, .	2.4	8
107	Polarized neutron scattering study of $Ca_1-xLa_xCu_2V_2O_7$. Journal of Physics Condensed Matter, 2018, 30, 063045.	3.2	7
108	Magnetoelastic coupling and ferromagnetic-type in-gap spin excitations in multiferroic $\hat{I}\pm$ -Cu ₂ V ₂ O ₇ . New Journal of Physics, 2018, 20, 063045.	2.9	7

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109	Magnetic order and surface state gap in (Sb _{0.95} Cr _{0.05}) ₂ Te ₃ . Physical Review B, 2021, 103, .	3.2	7
110	A-site disorder driven sharp field-induced transition and collapse of charge ordering in Sm _{1/2} Ca _{1/2-x} Sr _x MnO ₃ . Journal of Applied Physics, 2012, 112, 073905.	2.5	6
111	Universal field dependence of conventional and inverse magnetocaloric effects in DyCo ₂ Si ₂ . Journal of Applied Physics, 2017, 121, .	2.5	6
112	Observation of weak ferromagnetism and the sizable magnetocaloric effect in Co ₂ V ₂ O ₇ . Journal of Physics and Chemistry of Solids, 2017, 101, 1-4.	4.0	6
113	Octahedral tilting and emergence of ferrimagnetism in cobalt-ruthenium based double perovskites. Journal of Physics Condensed Matter, 2019, 31, 385801.	1.8	6
114	Interplay between structural, magnetic, and electronic states in the pyrochlore iridate Eu_2O_7 . Physical Review B, 2022, 105, .	3.2	6
115	Compositional variation of magnetic properties in Ni _{71-<i>x</i>} Co _{<i>x</i>} Al ₂₉ alloys. Journal of Alloys and Compounds, 2009, 477, 27-31.	5.5	5
116	An agglomeration induced glassy magnetic state in a carbon nanotube/NiO nanocomposite system. Journal of Physics Condensed Matter, 2012, 24, 436005.	1.8	5
117	Size effect on magnetic phase coexistence in Pr _{0.5} Sr _{0.5} Mn _{1-<i>x</i>} Cr _{<i>x</i>} O ₃ . Materials Research Express, 2014, 1, 036109.	1.6	5
118	Anomalous pressure effect on the magnetic properties of Ni-Mn based shape memory alloys. Journal of Applied Physics, 2018, 124, 133901.	2.5	5
119	Interplay between positive magnetoresistance and thermoelectric properties by tuning carrier concentration in Sb _{2-<i>x</i>} Sn _{<i>x</i>} Te ₃ (<i>x</i> = 0.5) crystals. Journal of Physics Condensed Matter, 2020, 32, 435601.	1.8	5
120	Magnetic and transport properties of the mixed 3d-5d-4f double perovskite Sm ₂ CoIrO ₆ . Journal of Physics Condensed Matter, 2021, 33, 335801.	1.8	5
121	Inverse photoemission and photoemission spectroscopic studies on sputter-annealed Ni-Mn-Sn and Ni-Mn-In surfaces. Journal of Electron Spectroscopy and Related Phenomena, 2014, 197, 106-111.	1.7	4
122	Two dimensional magnetic correlation in the unconventional corrugated layered oxides (Ba,Sr) ₄ Mn ₃ O ₁₀ . Journal of Physics Condensed Matter, 2015, 27, 056001.	1.8	4
123	Giant positive magnetoresistance and field-induced metal insulator transition in Cr ₂ NiGa. Journal Physics D: Applied Physics, 2017, 50, 035006.	2.8	4
124	A comparative study of the magnetic and transport properties of Dy-In based intermetallic compounds. Journal of Magnetism and Magnetic Materials, 2020, 505, 166674.	2.3	4
125	Emergence of compensated ferrimagnetic state in Mn _{2-x} Ru _{1+x} Ga (<i>x</i> = 0.2, 0.5) alloys. Journal of Magnetism and Magnetic Materials, 2021, 532, 167956.	2.3	4
126	Mixed-valent metallic pyrochlore iridate: A possible route to non-Fermi liquids. Physical Review B, 2022, 105, .	3.2	4

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127	Magnetic and Martensitic Transitions in $\text{Ni}_{1-x}\text{Mn}_x\text{Sn}$ Alloys. Materials Science Forum, 0, 635, 97-102.	0.3	3
128	Magnetic ground state of ZnCr_2O_4 : Effect of disorder due to size reduction. Physica Status Solidi (B): Basic Research, 2013, 250, 1913-1918.	1.5	3
129	Non-monotonous variation of structural instability in self-doped $\text{Ni}_{1-x}\text{Mn}_x\text{Sn}$ based shape memory alloys. Journal of Alloys and Compounds, 2016, 657, 313-317.	5.5	3
130	Observation of ultrasharp metamagnetic jumps in polycrystalline $\text{Er}_2\text{Cu}_2\text{O}_5$. Journal of Physics Condensed Matter, 2017, 29, 115803.	1.8	3
131	High magneto-Seebeck effect at room temperature in $\text{Bi}_{1.8}\text{Sb}_{0.2}\text{Te}_3\text{Se}$ crystal. Applied Physics Letters, 2021, 118, .	3.3	3
132	Observations of ferromagnetic cluster glass and exchange bias behavior in the double perovskite compound $\text{La}_2\text{Cu}_{0.9}\text{Cr}_{0.1}\text{IrO}_6$. Journal of Physics Condensed Matter, 2020, 32, 305803.	1.8	3
133	Magnetic and magneto-transport investigations of $\text{Co}_{37}\text{Ni}_{34}\text{Al}_{29}$ alloy. Physica B: Condensed Matter, 2008, 403, 2572-2577.	2.7	2
134	Magnetic properties of nanocrystalline $\text{Fe}_{0.5}\text{Ni}_{0.5}$ permalloy. , 2012, , .		2
135	Reentrant spin-glass state in a geometrical frustrated multiferroic system: Role of disorder. Journal of Applied Physics, 2014, 115, 17E104.	2.5	2
136	The Emergence of an Itinerant Ferromagnetic State in Co -Doped YNi_5 : A Critical Behavior Study of the Phase Transition. Physica Status Solidi (B): Basic Research, 2020, 257, 2000273.	1.5	2
137	Magnetic and electric behaviors of DyMn_2O_5 : Effect of hole doping. Journal of Magnetism and Magnetic Materials, 2020, 504, 166698.	2.3	2
138	Significant magneto-elastic coupling at Griffiths-like phase boundaries in low dimensional oxides, ASb_2O_6 (A = Ni and Mn). Journal of Physics Condensed Matter, 2021, 33, 195701.	1.8	2
139	Competing magnetic interactions and magnetocaloric effect in Ho_5Sn_3 . Journal of Physics Condensed Matter, 2022, 34, 025801.	1.8	2
140	Magnetic & transport properties of quaternary Heusler compounds CoZMnGa (Z=Fe,V). AIP Conference Proceedings, 2020, , .	0.4	2
141	Anisotropic Magnetocaloric Effect in Single-crystalline $\text{Pr}_{0.52}\text{Sr}_{0.48}\text{MnO}_3$. Journal of Superconductivity and Novel Magnetism, 2011, 24, 775-777.	1.8	1
142	Anisotropic behavior of DC resistivity in $\text{Sr}_3\text{NiPtO}_6$ and $\text{Sr}_3\text{CuPtO}_6$ single crystals. , 2013, , .		1
143	Field induced phase transition in $\text{Sm}_{0.5}(\text{Ca}_{1-x}\text{Sr}_x)_{0.5}\text{MnO}_3$. , 2014, , .		1
144	Investigation of glassy magnetic state in Co doped $\text{Eu}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$. Journal of Alloys and Compounds, 2015, 653, 585-590.	5.5	1

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145	Polaronic charge transfer and large dielectric constant in $\text{Ca}_3\text{CoRhO}_6$. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 1849-1854.	1.5	1
146	Giant exchange bias effect with low-coercivity in $\text{YbBaCo}_4\text{O}_7$. <i>Journal of Alloys and Compounds</i> , 2018, 753, 329-332.	5.5	1
147	Magnetic and transport studies in doped iridium pyrochlore oxides. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
148	Raman scattering studies on strontium and ruthenium doped iridium pyrochlore oxides. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
149	Orbital effects and Affleck-Haldane-type spin dimerization in $\text{Ba}_4\text{Ru}_3\text{O}_{10}$. <i>Physical Review B</i> , 2021, 103, .	3.2	1
150	Observation of structural anomaly and low-field magnetocaloric effect in Cu_2OSeO_3 . <i>Journal of Alloys and Compounds</i> , 2021, 886, 161198.	5.5	1
151	Bulk Rashba Spin Splitting and Dirac Surface State in p -type $(\text{Bi}_{0.9}\text{Sb}_{0.1})_2\text{Se}_3$ Single Crystal. <i>Physica Status Solidi - Rapid Research Letters</i> , 0, , 2100494.	2.4	1
152	Observation of Griffiths-like phase in the quaternary Heusler compound NiFeTiSn . <i>Journal of Physics Condensed Matter</i> , 2022, , .	1.8	1
153	Magnetic Properties, Magnetocaloric and Magnetoresistance Effects in Gd_5In_3 and Tb_5In_3 Compounds. <i>Physica Status Solidi (B): Basic Research</i> , 2022, 259, .	1.5	1
154	Short range spin-spin correlation, spin-phonon coupling and isostructural phase transition in hetero-tri-spin 3d-5d-4f double perovskite $\text{Sm}_2\text{CoIrO}_6$. <i>Journal of Solid State Chemistry</i> , 2022, 314, 123391.	2.9	1
155	Asymmetrical phase separation in $\text{Nd}_{0.25}\text{La}_{0.25}\text{Ca}_{0.5}\text{MnO}_3$. <i>Solid State Communications</i> , 2007, 142, 457-461.	1.9	0
156	Structurally Influenced Magnetic Properties in $\text{Eu}_{0.5}\text{Pr}_{0.5}\text{MnO}_3$. , 2011, , .		0
157	Phase Coexistence and Glassy State in Martensitic Compound GdCu . , 2011, , .		0
158	Structural And Magnetic Properties of $\text{Eu}_{0.5}\text{R}_{0.5}\text{MnO}_3$ ($\text{R} = \text{Pr, Sm}$). , 2011, , .		0
159	Magnetotransport behavior of $\text{Eu}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ perovskite. , 2013, , .		0
160	Polaronic glassiness in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$. , 2013, , .		0
161	Magnetic investigation of $\text{Ni}_{50}\text{Mn}_{33}\text{In}_{12}\text{Ga}_5$ alloy. , 2013, , .		0
162	Glassy magnetic ground state and Kondo-like behaviour in $\text{Mn}_{10}\text{FeGe}_8$ alloy. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 495802.	1.8	0

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163	Probing core and shell contributions to exchange bias in Co/Co ₃ O ₄ nanoparticles of controlled size. , 2017, , .		0
164	Study of magnetic and multiferroic properties of $\hat{\pm}$ -copper pyrovanadate. AIP Conference Proceedings, 2018, , .	0.4	0
165	Structural correlation to ferroelectric order, non-Griffiths like phase and magnetocaloric effect in YbCrO ₄ . Journal of Physics Condensed Matter, 2022, 34, 155402.	1.8	0
166	Observation of exchange-bias in the inverse Heusler alloy Mn ₁₅ Ru ₁₅ Si. Materials Today: Proceedings, 2022, 52, 2026-2030.	1.8	0
167	Observation of two magnetic transitions and conventional exchange bias effect in high dielectric iridate La ₂ Cu _{0.9} Mn _{0.1} IrO ₆ . Solid State Sciences, 2022, 129, 106901.	3.2	0
168	Observation of magnetocaloric and magneto-electric anomalies in R ₂ Cu ₂ IrO ₆ . Solid State Sciences, 2022, 129, 106901.	2.3	0