

Roland Mathieu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

175
papers

4,187
citations

33
h-index

58
g-index

192
ext. papers

4,724
ext. citations

3.8
avg, IF

4.97
L-index

#	Paper	IF	Citations
175	Complex correlations between microstructure and magnetic behavior in SrFeO hexaferrite nanoparticles. <i>Scientific Reports</i> , 2021 , 11, 23307	4.9	0
174	Tuning the Magnetic Properties of Hard/Soft SrFe ₂ O ₁₉ /CoFe ₂ O ₄ Nanostructures via Composition/Interphase Coupling. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 5927-5936	3.8	17
173	Memory and superposition in a superspin glass. <i>Scientific Reports</i> , 2021 , 11, 7743	4.9	2
172	Synthesis of BaTiO ₃ -CoFe ₂ O ₄ nanocomposites using a one-pot technique. <i>Inorganica Chimica Acta</i> , 2021 , 520, 120313	2.7	1
171	Gamma-radiation induced synthesis of freestanding nickel nanoparticles. <i>Dalton Transactions</i> , 2021 , 50, 376-383	4.3	1
170	Collective Magnetic Behaviour. <i>Springer Series in Materials Science</i> , 2021 , 65-84	0.9	1
169	Towards bi-magnetic nanocomposites as permanent magnets through the optimization of the synthesis and magnetic properties of SrFe ₂ O ₁₉ nanocrystallites. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 124004	3	7
168	Phase stability and structural transitions in compositionally complex LnMO ₃ perovskites. <i>Journal of Solid State Chemistry</i> , 2021 , 300, 122213	3.3	1
167	Exploring the magnetic properties and magnetic coupling in SrFe ₂ O ₁₉ /Co _{1-x} Zn _x Fe ₂ O ₄ nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 535, 168095	2.8	2
166	Compositional dependence of the magnetic state of Co _{3-x} Zn _x TeO ₆ solid solutions. <i>Journal of Alloys and Compounds</i> , 2021 , 884, 161111	5.7	0
165	Atomic-Scale Tuning of Tsai-Type Clusters in RE-Au-Si Systems (RE = Gd, Tb, Ho). <i>Inorganic Chemistry</i> , 2020 , 59, 9152-9162	5.1	1
164	LaFeO ₃ -CoFe ₂ O ₄ bi-magnetic composite thin films prepared using an all-in-one synthesis technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 503, 166622	2.8	8
163	Symbiotic, low-temperature, and scalable synthesis of bi-magnetic complex oxide nanocomposites. <i>Nanoscale Advances</i> , 2020 , 2, 851-859	5.1	15
162	Simultaneous Individual and Dipolar Collective Properties in Binary Assemblies of Magnetic Nanoparticles. <i>Chemistry of Materials</i> , 2020 , 32, 969-981	9.6	13
161	Magnetic polarons and spin-glass behavior in insulating La _{1-x} Sr _x CoO ₃ (x=0.125 and 0.15). <i>Physical Review Research</i> , 2020 , 2,	3.9	3
160	Memory and rejuvenation in a quasicrystal. <i>Europhysics Letters</i> , 2020 , 132, 27002	1.6	0
159	Partial cation ordering, relaxor ferroelectricity, and ferrimagnetism in Pb(Fe _{1-x} Ybx) _{2/3} W _{1/3} O ₃ solid solutions. <i>Journal of Applied Physics</i> , 2020 , 128, 134102	2.5	

158	Novel mixed precursor approach to prepare multiferroic nanocomposites with enhanced interfacial coupling. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 511, 166792	2.8	15
157	Random fields and apparent exchange bias in the dilute Ising antiferromagnet FeZnF. <i>Scientific Reports</i> , 2020 , 10, 14588	4.9	1
156	Signatures of a Spin-1/2 Cooperative Paramagnet in the Diluted Triangular Lattice of Y_2CuTiO_6 . <i>Physical Review Letters</i> , 2020 , 125, 117206	7.4	0
155	On the structural and magnetic properties of the double perovskite (Nd_2NiMnO_6) . <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 16571-16578	2.1	2
154	Bandgap engineering in MnTeO: giant irreversible bandgap reduction triggered by pressure. <i>Chemical Communications</i> , 2019 , 55, 12000-12003	5.8	5
153	Pressure tuning of octahedral tilt in the ordered double perovskite Pb_2CoTeO_6 . <i>Journal of Alloys and Compounds</i> , 2019 , 801, 310-317	5.7	5
152	Pressure-induced polymorphism and piezochromism in Mn_2FeSbO_6 . <i>Applied Physics Letters</i> , 2019 , 114, 162903	3.4	5
151	Room temperature ferrimagnetism in Yb-doped relaxor ferroelectric $PbFe_2/3W_1/3O_3$. <i>Applied Physics Letters</i> , 2019 , 115, 072902	3.4	6
150	Cation ordering, ferrimagnetism and ferroelectric relaxor behavior in $Pb(Fe_{1-x}Sc_x)_2B_2W_1B_3O_{13}$ solid solutions. <i>European Physical Journal B</i> , 2019 , 92, 1	1.2	4
149	Controlling magnetic coupling in bi-magnetic nanocomposites. <i>Nanoscale</i> , 2019 , 11, 14256-14265	7.7	15
148	Peculiar magnetic states in the double perovskite Nd_2NiMnO_6 . <i>Physical Review B</i> , 2019 , 100,	3.3	5
147	Ferromagnetic excess moments and apparent exchange bias in FeF single crystals. <i>Scientific Reports</i> , 2019 , 9, 18884	4.9	0
146	Modification of the structure and magnetic properties of ceramic La_2CoMnO_6 with Ru doping. <i>Journal of Alloys and Compounds</i> , 2018 , 752, 420-430	5.7	7
145	$Ba_3Mg_2O_9$ hexagonal perovskites in the light of spin-orbit coupling and local structural distortions. <i>Physical Review B</i> , 2018 , 97,	3.3	8
144	Glassy behavior of diluted Cu-Zn ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 452, 261-265	2.5	3
143	Surface Effects in Ultrathin Iron Oxide Hollow Nanoparticles: Exploring Magnetic Disorder at the Nanoscale. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 7516-7524	3.8	11
142	Monte Carlo study of the superspin glass behavior of interacting ultrasmall ferrimagnetic nanoparticles. <i>Physical Review B</i> , 2018 , 97,	3.3	16
141	The interplay between single particle anisotropy and interparticle interactions in ensembles of magnetic nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 28634-28643	3.6	36

140	Tunable single-phase magnetic behavior in chemically synthesized AFeO-MFeO (A = Bi or La, M = Co or Ni) nanocomposites. <i>Nanoscale</i> , 2018 , 10, 22990-23000	7.7	22
139	Temperature-dependent structural and magnetic properties of R ₂ MnO ₆ double perovskites (R = Dy, Gd; M = Ni, Co). <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 18581-18592	2.1	13
138	New insights into the multiferroic properties of Mn ₃ TeO ₆ . <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 085001	3	8
137	Composition dependence of the multifunctional properties of Nd-doped Bi ₄ Ti ₃ O ₁₂ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 7692-7707	2.1	14
136	The role of Tb-doping on the structural and functional properties of Bi _{4-x} Tb _x Ti ₃ O ₁₂ ferroelectric phases with the Aurivillius type structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 4914-4924	2.1	3
135	Substitution mechanism and structural study of Ag-doped LiCu ₂ O ₂ . <i>Solid State Sciences</i> , 2017 , 70, 36-40	3.4	
134	Evolution of the structural and multiferroic properties of PbFe _{2/3} W _{1/3} O ₃ ceramics upon Mn-doping. <i>Materials Chemistry and Physics</i> , 2017 , 187, 218-232	4.4	6
133	Superspin glass state in a diluted nanoparticle system stabilized by interparticle interactions mediated by an antiferromagnetic matrix. <i>Nanotechnology</i> , 2017 , 28, 035701	3.4	10
132	Twinned-domain-induced magnonic modes in epitaxial LSMO/STO films. <i>New Journal of Physics</i> , 2017 , 19, 063002	2.9	4
131	Magnetic phase diagram of Co(Cr _{1-x} Al _x) ₂ O ₄ (x = 0.0-1.0). <i>Journal of Applied Physics</i> , 2017 , 122, 073908	2.5	1
130	Remanence Plots as a Probe of Spin Disorder in Magnetic Nanoparticles. <i>Chemistry of Materials</i> , 2017 , 29, 8258-8268	9.6	45
129	Perovskite solid solutions La _{0.75} Bi _{0.25} Fe _{1-x} Cr _x O ₃ : Preparation, structural, and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2017 , 254, 166-177	3.3	0
128	Magnetic properties of nanoparticle compacts with controlled broadening of the particle size distribution. <i>Physical Review B</i> , 2017 , 95,	3.3	7
127	Radiation-induced synthesis of nanoscale Co- and Ni-based electro-catalysts on carbon for the oxygen reduction reaction. <i>Dalton Transactions</i> , 2017 , 46, 9995-10002	4.3	13
126	Composition driven structural transition in La ₂ Br _{1-x} CuRuO ₆ (0 ≤ x ≤ 1) double perovskites. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 1096-1101	5.7	3
125	Effects of the individual particle relaxation time on superspin glass dynamics. <i>Physical Review B</i> , 2016 , 93,	3.3	10
124	Origin of the Spin-Orbital Liquid State in a Nearly J=0 Iridate Ba ₃ ZnIr ₂ O ₉ . <i>Physical Review Letters</i> , 2016 , 116, 097205	7.4	38
123	Studying nanoparticles' 3D shape by aspect maps: Determination of the morphology of bacterial magnetic nanoparticles. <i>Faraday Discussions</i> , 2016 , 191, 177-188	3.6	5

122	Spin and dipole order in geometrically frustrated mixed-valence manganite $\text{Pb}_3\text{Mn}_7\text{O}_{15}$. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 12562-12573	2.1	3
121	Thermal evolution of the spin ordering at the concomitant spin-orbital rearrangement temperature in RVO_3 (R=Lu, Yb and Tm). <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 409, 87-91	2.8	2
120	Study of coexisting phases in Bi doped $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 406, 22-29	2.8	10
119	Polar Order and Frustrated Antiferromagnetism in Perovskite Pb_2MnWO_6 Single Crystals. <i>Inorganic Chemistry</i> , 2016 , 55, 2791-805	5.1	16
118	Designing new ferrite/manganite nanocomposites. <i>Nanoscale</i> , 2016 , 8, 2081-9	7.7	36
117	Tunable exchange bias in dilute magnetic alloys - chiral spin glasses. <i>Scientific Reports</i> , 2016 , 6, 19964	4.9	10
116	Thermally induced magnetic relaxation in square artificial spin ice. <i>Scientific Reports</i> , 2016 , 6, 37097	4.9	14
115	Demagnetization effects in dense nanoparticle assemblies. <i>Applied Physics Letters</i> , 2016 , 109, 152404	3.4	14
114	Particle size-dependent superspin glass behavior in random compacts of monodisperse maghemite nanoparticles. <i>Materials Research Express</i> , 2016 , 3, 045015	1.7	6
113	Structural and magnetic properties of nickel antimony ferros spinels. <i>Materials Chemistry and Physics</i> , 2015 , 158, 127-137	4.4	2
112	PPMS-based set-up for Raman and luminescence spectroscopy at high magnetic field, high pressure and low temperature. <i>EPJ Techniques and Instrumentation</i> , 2015 , 2, 3	1.8	1
111	Tuning the Size and Shape of Oxide Nanoparticles by Controlling Oxygen Content in the Reaction Environment: Morphological Analysis by Aspect Maps. <i>Chemistry of Materials</i> , 2015 , 27, 1982-1990	9.6	48
110	Crystal structure and antiferromagnetic spin ordering of $\text{LnFe}_{2/3}\text{Mo}_{1/3}\text{O}_3$ (Ln=Nd,Pr,Ce,La) perovskites. <i>Physical Review B</i> , 2015 , 91,	3.3	1
109	On the nature of magnetic state in the spinel Co_3NiO_4 . <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 166001	1.8	21
108	Magnetic anisotropy and magnetization dynamics of Fe nanoparticles embedded in Cr and Ag matrices. <i>Philosophical Magazine</i> , 2015 , 95, 3798-3807	1.6	8
107	Successive phase transitions in the orthovanadate TmVO_3 . <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 345003	3	3
106	Neutron powder diffraction study of $\text{Ba}_3\text{ZnRu}_{2-x}\text{Ir}_x\text{O}_9$ ($x=0, 1, 2$) with 6H-type perovskite structure. <i>Solid State Sciences</i> , 2015 , 50, 58-64	3.4	10
105	Magnetic compensation, field-dependent magnetization reversal, and complex magnetic ordering in Co_2TiO_4 . <i>Physical Review B</i> , 2015 , 92,	3.3	36

104	Size-dependent surface effects in maghemite nanoparticles and its impact on interparticle interactions in dense assemblies. <i>Nanotechnology</i> , 2015 , 26, 475703	3.4	26
103	Structure and magnetism in hexagonal tungsten bronze metal oxides AM ₁ /3W ₈ /3O ₉ (A=K, Rb, Cs; M=Cr, Fe). <i>Solid State Sciences</i> , 2015 , 40, 44-49	3.4	3
102	Point contact investigations of film and interface magnetoresistance of La _{0.7} Sr _{0.3} MnO ₃ heterostructures on Nb:SrTiO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 374, 433-439	2.8	1
101	Chemical pressure effects on structural, dielectric and magnetic properties of solid solutions Mn ₃ □Co _x TeO ₆ . <i>Materials Research Bulletin</i> , 2014 , 50, 42-56	5.1	11
100	Magnetic and magnetocaloric properties of Cu _{1-x} Zn _x Fe ₂ O ₄ (x=0.6, 0.7, 0.8) ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 367, 75-80	2.8	35
99	Synthesis and in vitro cellular interactions of superparamagnetic iron nanoparticles with a crystalline gold shell. <i>Applied Surface Science</i> , 2014 , 316, 171-178	6.7	12
98	Ideal superspin glass behaviour in a random-close-packed ensemble of maghemite nanoparticles. <i>Journal of Physics: Conference Series</i> , 2014 , 521, 012011	0.3	2
97	Thickness dependence of dynamic and static magnetic properties of pulsed laser deposited La _{0.7} Sr _{0.3} MnO ₃ films on SrTiO ₃ (001). <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 369, 197-204	2.8	33
96	Tunability in Crystallinity and Magnetic Properties of Core/Shell Fe Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 1054-1059	3.1	20
95	Crystal growth experiments in the systems Ni ₂ MSbO ₆ (M = Sc, In) using chemical vapour transport reactions: Ni ₂ InSbO ₆ and NiSb ₂ O ₆ crystals in the millimetre range. <i>Crystal Research and Technology</i> , 2014 , 49, 142-151	1.3	5
94	Superspin glass state and exchange bias in amorphous Fe/Fe-O core/shell nanoparticles. <i>Materials Research Express</i> , 2014 , 1, 036103	1.7	7
93	Temperature evolution of structural and magnetic properties of stoichiometric LiCu ₂ O ₂ : Correlation of thermal expansion coefficient and magnetic order. <i>Solid State Sciences</i> , 2014 , 34, 97-101	3.4	4
92	Reentrant Superspin Glass Phase in a La _{0.82} Ca _{0.18} MnO ₃ Ferromagnetic Insulator. <i>Physical Review X</i> , 2014 , 4,	9.1	15
91	Super spin dimensionality of a mono-dispersed and densely packed magnetic nanoparticle system. <i>Journal of Physics: Conference Series</i> , 2014 , 521, 012012	0.3	1
90	Ageing dynamics of a superspin glass. <i>Europhysics Letters</i> , 2014 , 108, 17004	1.6	7
89	In-plane structural order of domain engineered La _{0.7} Sr _{0.3} MnO ₃ thin films. <i>Philosophical Magazine</i> , 2013 , 93, 1549-1562	1.6	7
88	Investigation of the magnetic phase transition and magnetocaloric properties of the Mn ₂ FeSbO ₆ ilmenite. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 331, 193-197	2.8	9
87	Enhancement of antiferromagnetic interaction and transition temperature in M ₃ TeO ₆ systems (M = Mn, Co, Ni, Cu). <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	26

86	Electronic superlattice revealed by resonant scattering from random impurities in Sr ₃ Ru ₂ O ₇ . <i>Scientific Reports</i> , 2013 , 3, 2299	4.9	8
85	Memory effects on the magnetic behavior of assemblies of nanoparticles with ferromagnetic core/antiferromagnetic shell morphology. <i>Physical Review B</i> , 2013 , 88,	3.3	33
84	High-temperature structural phase transition in the LiCu ₂ O ₂ multiferroic. <i>Journal of Experimental and Theoretical Physics</i> , 2013 , 117, 320-326	1	9
83	Preparation, electrical conductivity, and magnetic susceptibility of (Ba _{1-x} Bi _x)(Mn _{0.5+x/2} Nb _{0.5-x/2})O ₃ . <i>Inorganic Materials</i> , 2013 , 49, 513-516	0.9	
82	Mn ₂ FeSbO ₆ : A ferrimagnetic ilmenite and an antiferromagnetic perovskite. <i>Physical Review B</i> , 2013 , 87,	3.3	27
81	Spin and Dipole Ordering in Ni ₂ InSbO ₆ and Ni ₂ ScSbO ₆ with Corundum-Related Structure. <i>Chemistry of Materials</i> , 2013 , 25, 935-945	9.6	30
80	Formation of two-dimensionally confined superparamagnetic (Mn, Ga)As nanocrystals in high-temperature annealed (Ga, Mn)As/GaAs superlattices. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 196005	1.8	4
79	Phase transition in a super superspin glass. <i>Europhysics Letters</i> , 2013 , 102, 67002	1.6	15
78	Temperature-dependent multi-k magnetic structure in multiferroic Co ₃ TeO ₆ . <i>Materials Research Bulletin</i> , 2012 , 47, 63-72	5.1	32
77	Structural and magnetic properties of Mn _{3-x} CdxTeO ₆ (x=0, 1, 1.5 and 2). <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 1637-1644	2.8	5
76	Preparation, structural, dielectric and magnetic properties of LaFeO ₃ BbTiO ₃ solid solutions. <i>Materials Research Bulletin</i> , 2012 , 47, 3253-3268	5.1	27
75	Near-room-temperature colossal magnetodielectricity and multiglass properties in partially disordered La ₂ NiMnO ₆ . <i>Physical Review Letters</i> , 2012 , 108, 127201	7.4	303
74	Ferrimagnetism, antiferromagnetism, and magnetic frustration in La _{2-x} SrxCuRuO ₆ (0 ≤ x ≤ 1). <i>Physical Review B</i> , 2012 , 86,	3.3	18
73	Mott versus Slater-type metal-insulator transition in Mn-substituted Sr ₃ Ru ₂ O ₇ . <i>Physical Review B</i> , 2012 , 86,	3.3	14
72	Tuning of dielectric properties and magnetism of SrTiO ₃ by site-specific doping of Mn. <i>Physical Review B</i> , 2011 , 84,	3.3	54
71	Phase transitions of (Cu,Ni) ₃ TeO ₆ solid solutions. <i>Inorganic Materials</i> , 2011 , 47, 1132-1140	0.9	2
70	New type of incommensurate magnetic ordering in Mn ₃ TeO ₆ . <i>Materials Research Bulletin</i> , 2011 , 46, 1870-1873	9.1	31
69	Short-Range Spin Order and Frustrated Magnetism in Mn ₂ InSbO ₆ and Mn ₂ ScSbO ₆ . <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 4691-4699	2.3	10

68	Complex magnetism and magnetic-field-driven electrical polarization of Co ₃ TeO ₆ . <i>Physical Review B</i> , 2011 , 84,	3.3	40
67	Influence of the A cation on the low-temperature antiferromagnetism of ordered antiferroelectric A ₂ CoTeO ₆ perovskites. <i>Physical Review B</i> , 2011 , 83,	3.3	12
66	Voids and Mn-rich inclusions in a (Ga,Mn)As ferromagnetic semiconductor investigated by transmission electron microscopy. <i>Journal of Applied Physics</i> , 2011 , 109, 083546	2.5	13
65	Formation process and superparamagnetic properties of (Mn,Ga)As nanocrystals in GaAs fabricated by annealing of (Ga,Mn)As layers with low Mn content. <i>Physical Review B</i> , 2011 , 84,	3.3	22
64	Magnetic order near 270 K in mineral and synthetic Mn ₂ FeSbO ₆ ilmenite. <i>Applied Physics Letters</i> , 2011 , 98, 202505	3.4	22
63	Memory and rejuvenation in a spin glass. <i>Europhysics Letters</i> , 2010 , 90, 67003	1.6	30
62	Structural and magnetic properties of the ordered perovskite Pb ₂ CoTeO ₆ . <i>Dalton Transactions</i> , 2010 , 39, 11136-48	4.3	24
61	Neutron diffraction studies and the magnetism of an ordered perovskite: Ba ₂ (CoTeO) ₆ . <i>Dalton Transactions</i> , 2010 , 39, 5490-9	4.3	23
60	Isothermal remanent magnetization and the spin dimensionality of spin glasses. <i>Philosophical Magazine Letters</i> , 2010 , 90, 723-729	1	13
59	Local structural properties of 0.5BiMnO ₃ -0.5ATiO ₃ (A = Ba or Sr). <i>Chemical Communications</i> , 2010 , 46, 1455-7	5.8	5
58	Dynamical studies on model spin glasses. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 032042	0.3	1
57	Electronic self-organization in the single-layer manganite Pr _{1-x} Ca _{1+x} MnO ₄ . <i>Physical Review Letters</i> , 2009 , 103, 167202	7.4	9
56	Crystal-field level inversion in lightly Mn-doped Sr ₃ Ru ₂ O ₇ . <i>Physical Review Letters</i> , 2008 , 101, 016404	7.4	30
55	Coexistence of long-ranged charge and orbital order and spin-glass state in single-layered manganites with weak quenched disorder. <i>Europhysics Letters</i> , 2007 , 80, 37001	1.6	8
54	Variation of charge/orbital ordering in layered manganite Pr _{1-x} Ca _{1+x} MnO ₄ investigated by transmission electron microscopy. <i>Physical Review B</i> , 2007 , 75,	3.3	21
53	Orbital ordering of layered manganites from resonant soft X-ray scattering. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 819-821	2.8	1
52	Order-disorder phenomena in the charge-orbital sectors of half-doped manganites with the two-dimensional MnO network. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 1963-1965	2.8	1
51	The Nanoscale Phase Separation in Hole-Doped Manganites. <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 124706	1.5	28

50	Absence of conventional spin-glass transition in the Ising dipolar system $\text{LiHo}(x)\text{Y}(1-x)\text{F}(4)$. <i>Physical Review Letters</i> , 2007 , 98, 256403	7.4	48
49	Correlation of electronic structure and ordered charge and orbital patterns for single-layered manganites in a wide hole-doping range (0.2-1). <i>Physical Review B</i> , 2007 , 75,	3.3	16
48	Logarithmic growth law in the two-dimensional Ising spin glass state resulting from the electron doping in single-layered manganites. <i>Physical Review B</i> , 2007 , 76,	3.3	9
47	Effect of antiferromagnetic spin correlations on lattice distortion and charge ordering in $\text{Pr}_{0.5}\text{Ca}_{1.5}\text{MnO}_4$. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 10796-801	11.5	17
46	Direct observation of the bandwidth-disorder induced variation of charge/orbital ordering structure in $\text{RE}(0.5)(\text{Ca}(1-y)\text{Sr}(y))(1.5)\text{MnO}(4)$. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 172203	1.8	6
45	Effect of Quenched Disorder on Charge-Orbital-Spin Ordering in Single-Layer Manganites. <i>Journal of the Physical Society of Japan</i> , 2006 , 75, 053602	1.5	11
44	Bandwidth-disorder phase diagram of half-doped layered manganites. <i>Physical Review B</i> , 2006 , 74,	3.3	29
43	$\text{Eu}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$: A three-dimensional XY spin glass. <i>Physical Review B</i> , 2005 , 72,	3.3	39
42	Effects of magnesium substitution on the magnetic properties of $\text{Nd}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1203-1211	3.3	
41	Structural and magnetic properties of $\text{LaFe}_{0.5}\text{Cr}_{0.5}\text{O}_3$ studied by neutron diffraction, electron diffraction and magnetometry. <i>Materials Research Bulletin</i> , 2005 , 40, 1633-1644	5.1	65
40	Impurity-induced transition to a Mott insulator in $\text{Sr}_3\text{Ru}_2\text{O}_7$. <i>Physical Review B</i> , 2005 , 72,	3.3	34
39	Determination of the intrinsic anomalous Hall effect of SrRuO_3 . <i>Physical Review B</i> , 2005 , 72,	3.3	21
38	Scaling of the Anomalous Hall Effect in $\text{Sr}_{1-x}\text{Ca}_x\text{RuO}_3$. <i>Physical Review Letters</i> , 2004 , 93,	7.4	113
37	Photoemission studies of the annealing-induced modifications of $\text{Ga}_{0.95}\text{Mn}_{0.05}\text{As}$. <i>Physical Review B</i> , 2004 , 70,	3.3	14
36	Nonequilibrium dynamics of spin glasses: Examination of the ghost domain scenario. <i>Physical Review B</i> , 2004 , 70,	3.3	89
35	Influence of A-Site Cations on Structural and Magnetic Properties in the Double Perovskites $\text{Ca}_{2-x}\text{Sr}_x\text{MnWO}_6$ and $\text{Sr}_{2-x}\text{Ba}_x\text{MnWO}_6$ (0 $\leq x$ \leq 2.0). <i>Ferroelectrics</i> , 2004 , 302, 181-185	0.6	1
34	Anomalous Hall effect in Ca-doped SrRuO_3 films. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E785-E786	2.8	2
33	Magnesium substitution in $\text{Nd}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 966-971	3.3	3

32	Colossal magnetoresistance without phase separation: disorder-induced spin glass state and nanometer scale orbital-charge correlation in half doped manganites. <i>Physical Review Letters</i> , 2004 , 93, 227202	7.4	95
31	Synthesis, structural and magnetic characterisation of the double perovskite A_2MnMoO_6 ($A=Ba, Sr$). <i>Journal of Alloys and Compounds</i> , 2004 , 364, 77-82	5.7	62
30	Fe/V and Fe/Co (001) superlattices: growth, anisotropy, magnetisation and magnetoresistance. <i>Physica B: Condensed Matter</i> , 2003 , 327, 344-348	2.8	3
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27	Magnetization of ultrathin (Ga,Mn)As layers. <i>Physical Review B</i> , 2003 , 68,	3.3	16
26	The anomalous Hall effect and magnetic monopoles in momentum space. <i>Science</i> , 2003 , 302, 92-5	33.3	691
25	Strong rejuvenation in a chiral-glass superconductor. <i>Physical Review B</i> , 2003 , 67,	3.3	18
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23	Photoemission studies of $Ga_{1-x}Mn_xAs$: Mn concentration dependent properties. <i>Physical Review B</i> , 2002 , 66,	3.3	44
22	Interlayer exchange coupling and giant magnetoresistance in Fe/V (001) superlattices. <i>Physical Review B</i> , 2002 , 65,	3.3	23
21	Phase Transitions and Magnetic Order in $La_{1-x}Sr_xMnO_{3+x}$ ($0.2 < x < 0.3$). <i>Ferroelectrics</i> , 2002 , 269, 309-314	0.6	
20	Defect-induced magnetic structure in $(Ga_{1-x}Mn_x)As$. <i>Physical Review Letters</i> , 2002 , 88, 187202	7.4	104
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13	Nuclear and magnetic structure of Ca ₂ MnWO ₆ :A neutron powder diffraction study. <i>Materials Research Bulletin</i> , 2001 , 36, 2485-2496	5.1	38
12	Magnetotransport in a bi-crystal film of La _{0.7} Sr _{0.3} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 786-787	2.8	3
11	Effects of Mg-doping in Nd _{0.7} Sr _{0.3} Mn _{1-y} Mg _y O ₃ (y?0.3). <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 1340-1342	2.8	6
10	Structural and magnetic properties of the double perovskite Sr ₂ MnWO ₆ . <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 237, 124-134	2.8	47
9	Magnetic contribution to the resistivity noise in a La _{0.7} Sr _{0.3} MnO ₃ film grain boundary. <i>Physical Review B</i> , 2001 , 63,	3.3	13
8	Memory and chaos in an Ising spin glass. <i>Physical Review B</i> , 2001 , 65,	3.3	38
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5	Colossal magnetoresistance of La _{0.96} Nd _y K _{0.04} MnO ₃ +□ <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1432-1433	2.8	1
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2	Spin-glass dynamics of La _{0.95} Sr _{0.05} CoO ₃ . <i>Physical Review B</i> , 2000 , 62, 8989-8995	3.3	100
1	Ferromagnetism and frustration in Nd _{0.7} Sr _{0.3} MnO ₃ . <i>Physical Review B</i> , 2000 , 62, 1027-1032	3.3	69