Roland Mathieu

List of Publications by Year
in descending order

183	5,139	101384	110170
papers	citations	36 h-index	64 g-index

192	192	192	5438
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Anomalous Hall Effect and Magnetic Monopoles in Momentum Space. Science, 2003, 302, 92-95.	6.0	853
2	Near-Room-Temperature Colossal Magnetodielectricity and Multiglass Properties in Partially Disordered<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>La</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>NiMnO</mml:mi><mml Physical Review Letters, 2012, 108, 127201.	2.9	375
3	Memory and superposition in a spin glass. Physical Review B, 2001, 63, .	1.1	130
4	Scaling of the Anomalous Hall Effect inSr1â^'xCaxRuO3. Physical Review Letters, 2004, 93, .	2.9	126
5	Colossal Magnetoresistance without Phase Separation: Disorder-Induced Spin Glass State and Nanometer Scale Orbital-Charge Correlation in Half Doped Manganites. Physical Review Letters, 2004, 93, 227202.	2.9	112
6	Spin-glass dynamics ofLa0.95Sr0.05CoO3. Physical Review B, 2000, 62, 8989-8995.	1.1	109
7	Defect-Induced Magnetic Structure in(Ga1â^'xMnx)As. Physical Review Letters, 2002, 88, 187202.	2.9	107
8	Nonequilibrium dynamics of spin glasses:â€ƒExamination of the ghost domain scenario. Physical Review B, 2004, 70, .	1.1	96
9	Short-range ferromagnetism and spin-glass state inY0.7Ca0.3MnO3. Physical Review B, 2001, 63, .	1.1	81
10	Ferromagnetism and frustration inNd0.7Sr0.3MnO3. Physical Review B, 2000, 62, 1027-1032.	1.1	80
11	Structural and magnetic properties of LaFe0.5Cr0.5O3 studied by neutron diffraction, electron diffraction and magnetometry. Materials Research Bulletin, 2005, 40, 1633-1644.	2.7	72
12	Synthesis, structural and magnetic characterisation of the double perovskite A2MnMoO6 (A=Ba, Sr). Journal of Alloys and Compounds, 2004, 364, 77-82.	2.8	70
13	Tuning of dielectric properties and magnetism of SrTiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>by site-specific doping of Mn. Physical Review B, 2011, 84, .	1.1	67
14	Remanence Plots as a Probe of Spin Disorder in Magnetic Nanoparticles. Chemistry of Materials, 2017, 29, 8258-8268.	3.2	61
15	Structural and magnetic properties of GaMnAs layers with high Mn-content grown by migration-enhanced epitaxy on GaAs(100) substrates. Applied Physics Letters, 2001, 78, 3271-3273.	1.5	60
16	Synthesis, crystal structure, and magnetic characterization of the double perovskite Ba2MnWO6. Materials Research Bulletin, 2001, 36, 2215-2228.	2.7	60
17	Origin of the Spin Orbital Liquid State in a Nearly <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>J</mml:mi><mml:mo>=</mml:mo><mml:mn>0</mml:mn></mml:math>Iridate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ba</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>ZnIr</mml:mi><mml mathvariant="normal">O</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:math>. Physical Review	2.9	58
18	The interplay between single particle anisotropy and interparticle interactions in ensembles of magnetic nanoparticles. Physical Chemistry Chemical Physics, 2018, 20, 28634-28643.	1.3	54

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19	Tuning the Size and Shape of Oxide Nanoparticles by Controlling Oxygen Content in the Reaction Environment: Morphological Analysis by Aspect Maps. Chemistry of Materials, 2015, 27, 1982-1990.	3.2	52
20	Absence of Conventional Spin-Glass Transition in the Ising Dipolar SystemLiHoxY1â^'xF4. Physical Review Letters, 2007, 98, 256403.	2.9	51
21	Complex magnetism and magnetic-field-driven electrical polarization of Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Te<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>O</mml:mi><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review B, 2011, 84, .	1.1	50
22	Structural and magnetic properties of the double perovskite Sr2MnWO6. Journal of Magnetism and Magnetic Materials, 2001, 237, 124-134.	1.0	49
23	Magnetic compensation, field-dependent magnetization reversal, and complex magnetic ordering in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:mrow> Physical Review B, 2015, 92, .	1.1	46
24	Re-entrant spin glass transition in La 0.96 â^' y Nd y K 0.04 MnO 3 : Origin and effects on the colossal magnetoresistivity. Europhysics Letters, 2000, 52, 441-447.	0.7	44
25	Photoemission studies ofGa1â^'xMnxAs:Mn concentration dependent properties. Physical Review B, 2002, 66, .	1.1	44
26	Magnetic and magnetocaloric properties of Cu1â^'xZnxFe2O4 (x=0.6, 0.7, 0.8) ferrites. Journal of Magnetism and Magnetic Materials, 2014, 367, 75-80.	1.0	44
27	Nuclear and magnetic structure of Ca2MnWO6:A neutron powder diffraction study. Materials Research Bulletin, 2001, 36, 2485-2496.	2.7	43
28	Spin and Dipole Ordering in Ni₂InSbO₆ and Ni₂ScSbO₆ with Corundum-Related Structure. Chemistry of Materials, 2013, 25, 935-945.	3.2	43
29	Designing new ferrite/manganite nanocomposites. Nanoscale, 2016, 8, 2081-2089.	2.8	43
30	Memory and chaos in an Ising spin glass. Physical Review B, 2001, 65, .	1.1	42
31	Eu0.5Sr1.5MnO4: A three-dimensionalXYspin glass. Physical Review B, 2005, 72, .	1.1	41
32	Temperature-dependent multi-k magnetic structure in multiferroic Co3TeO6. Materials Research Bulletin, 2012, 47, 63-72.	2.7	40
33	Thickness dependence of dynamic and static magnetic properties of pulsed laser deposited La0.7Sr0.3MnO3 films on SrTiO3(001). Journal of Magnetism and Magnetic Materials, 2014, 369, 197-204.	1.0	40
34	Impurity-induced transition to a Mott insulator inSr3Ru2O7. Physical Review B, 2005, 72, .	1.1	38
35	New type of incommensurate magnetic ordering in Mn3TeO6. Materials Research Bulletin, 2011, 46, 1870-1877.	2.7	37
36	Memory effects on the magnetic behavior of assemblies of nanoparticles with ferromagnetic core/antiferromagnetic shell morphology. Physical Review B, 2013, 88, .	1.1	37

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37	Enhancement of antiferromagnetic interaction and transition temperature in M3TeO6 systems (M =) Tj ETQq1 1 0.784314 rgBT /Ove	0.6	36
38	Effect of annealing on carrier density and Curie temperature in epitaxial (Ga,Mn)As thin films. Applied Physics Letters, 2003, 82, 2287-2289.	1.5	35
39	Crystal-Field Level Inversion in Lightly Mn-Doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Sr</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Ru</mml:mi><mml:mn mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2008, 101, 016404.	2.9	35
40	Memory and rejuvenation in a spin glass. Europhysics Letters, 2010, 90, 67003.	0.7	35
41	Size-dependent surface effects in maghemite nanoparticles and its impact on interparticle interactions in dense assemblies. Nanotechnology, 2015, 26, 475703.	1.3	35
42	Tuning the Magnetic Properties of Hardâ€“Soft SrFe₁₂O₁₉/CoFe₂O₄ Nanostructures via Composition/Interphase Coupling. Journal of Physical Chemistry C, 2021, 125, 5927-5936.	1.5	33
43	Preparation, structural, dielectric and magnetic properties of LaFeO3â€“PbTiO3 solid solutions. Materials Research Bulletin, 2012, 47, 3253-3268.	2.7	32
44	Bandwidth-disorder phase diagram of half-doped layered manganites. Physical Review B, 2006, 74, .	1.1	31
45	Mn2FeSbO6: A ferrimagnetic ilmenite and an antiferromagnetic perovskite. Physical Review B, 2013, 87, .	1.1	31
46	On the nature of magnetic state in the spinel Co2SnO4. Journal of Physics Condensed Matter, 2015, 27, 166001.	0.7	31
47	Grain-boundary effects on magnetotransport inLa0.7Sr0.3MnO3biepitaxial films. Physical Review B, 2000, 62, 3333-3339.	1.1	30
48	Structural and magnetic properties of the ordered perovskite Pb2CoTeO6. Dalton Transactions, 2010, 39, 11136.	1.6	30
49	The Nanoscale Phase Separation in Hole-Doped Manganites. Journal of the Physical Society of Japan, 2007, 76, 124706.	0.7	29
50	Ferromagnetism and interlayer exchange coupling in short-period (Ga,Mn)As/GaAs superlattices. Applied Physics Letters, 2002, 81, 3013-3015.	1.5	28
51	Formation process and superparamagnetic properties of (Mn,Ga)As nanocrystals in GaAs fabricated by annealing of (Ga,Mn)As layers with low Mn content. Physical Review B, 2011, 84, .	1.1	27
52	Composition dependence of the multifunctional properties of Nd-doped Bi4Ti3O12 ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 7692-7707.	1.1	27
53	Interlayer exchange coupling and giant magnetoresistance inFe/V(001) superlattices. Physical Review B, 2002, 65, .	1.1	26
54	Neutron diffraction studies and the magnetism of an ordered perovskite: Ba2CoTeO6. Dalton Transactions, 2010, 39, 5490.	1.6	26

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55	Simultaneous Individual and Dipolar Collective Properties in Binary Assemblies of Magnetic Nanoparticles. Chemistry of Materials, 2020, 32, 969-981.	3.2	26
56	Monte Carlo study of the superspin glass behavior of interacting ultrasmall ferrimagnetic nanoparticles. Physical Review B, 2018, 97, .	1.1	25
57	Tunable single-phase magnetic behavior in chemically synthesized AFeO₃â€“MFe₂O₄ (A = Bi or La, M = Co or Ni) nanocomposites. Nanoscale, 2018, 10, 22990-23000.	2.8	25
58	Ferromagnetic GaMnAs/GaAs superlatticesâ€”MBE growth and magnetic properties. Thin Solid Films, 2002, 412, 122-128.	0.8	24
59	Magnetic order near 270 K in mineral and synthetic Mn2FeSbO6 ilmenite. Applied Physics Letters, 2011, 98, 202505.	1.5	24
60	Tunability in Crystallinity and Magnetic Properties of Coreâ€“Shell Fe Nanoparticles. Particle and Particle Systems Characterization, 2014, 31, 1054-1059.	1.2	24
61	Polar Order and Frustrated Antiferromagnetism in Perovskite Pb₂MnWO₆ Single Crystals. Inorganic Chemistry, 2016, 55, 2791-2805.	1.9	23
62	Determination of the intrinsic anomalous Hall effect ofSrRuO3. Physical Review B, 2005, 72, .	1.1	22
63	Symbiotic, low-temperature, and scalable synthesis of bi-magnetic complex oxide nanocomposites. Nanoscale Advances, 2020, 2, 851-859.	2.2	22
64	Variation of charge/orbital ordering in layered manganitePr1âˆ’xCa1+xMnO4investigated by transmission electron microscopy. Physical Review B, 2007, 75, .	1.1	21
65	Controlling magnetic coupling in bi-magnetic nanocomposites. Nanoscale, 2019, 11, 14256-14265.	2.8	21
66	Strong rejuvenation in a chiral-glass superconductor. Physical Review B, 2003, 67, .	1.1	20
67	Ferrimagnetism, antiferromagnetism, and magnetic frustration in La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>CuRuO<mml:math	1.1	20
68	Reentrant Superspin Glass Phase in a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>La</mml:mi><mml:msub><mml:mrow /><mml:mn>0.82</mml:mn></mml:msub><mml:mi>Ca</mml:mi><mml:msub><mml:mrow /><mml:mn>0.18</mml:mn></mml:msub><mml:mi>MnO</mml:mi><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>Ferromagnetic Insulator. Physical Review X, 2014, 4, .	2.8	20
69	Demagnetization effects in dense nanoparticle assemblies. Applied Physics Letters, 2016, 109, .	1.5	20
70	Temperature-dependent structural and magnetic properties of R2MMnO6 double perovskites (Râ€‰=â€‰Dy, Gd;) Tj ETQq0 0 0 rgBT /	1.1	19
71	Novel mixed precursor approach to prepare multiferroic nanocomposites with enhanced interfacial coupling. Journal of Magnetism and Magnetic Materials, 2020, 511, 166792.	1.0	19
72	Thermally induced magnetic relaxation in square artificial spin ice. Scientific Reports, 2016, 6, 37097.	1.6	18

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73	Correlation of electronic structure and ordered charge and orbital patterns for single-layered manganites in a wide hole-doping range(0â‰¤xâ‰¤1). Physical Review B, 2007, 75, .	1.1	17
74	Effect of antiferromagnetic spin correlations on lattice distortion and charge ordering in Pr0.5Ca1.5MnO4. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10796-10801.	3.3	17
75	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>9</mml:mn></mml:msub></mml:mrow></mml:math> hexagonal perovskites in the light of spin-orbit coupling and local structural distortions. Physical Review B, 2018, 97, .	1.1	17
76	Towards bi-magnetic nanocomposites as permanent magnets through the optimization of the synthesis and magnetic properties of SrFe₁₂O₁₉ nanocrystallites. Journal Physics D: Applied Physics, 2021, 54, 124004.	1.3	17
77	Magnetization of ultrathin (Ga,Mn)As layers. Physical Review B, 2003, 68, .	1.1	16
78	Isothermal remanent magnetization and the spin dimensionality of spin glasses. Philosophical Magazine Letters, 2010, 90, 723-729.	0.5	16
79	[illegible] transition in Mn-substituted Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>Ru<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>	1.1	16
80	Phase transition in a super superspin glass. Europhysics Letters, 2013, 102, 67002.	0.7	16
81	Surface Effects in Ultrathin Iron Oxide Hollow Nanoparticles: Exploring Magnetic Disorder at the Nanoscale. Journal of Physical Chemistry C, 2018, 122, 7516-7524.	1.5	16
82	Atomic-Scale Tuning of Tsai-Type Clusters in REâ€“Auâ€“Si Systems (RE = Gd, Tb, Ho). Inorganic Chemistry, 2020, 59, 9152-9162.	1.9	16
83	Crossover From Individual to Collective Magnetism in Dense Nanoparticle Systems: Local Anisotropy Versus Dipolar Interactions. Small, 2022, 18, .	5.2	16
84	Study of coexisting phases in Bi doped La0.67Sr0.33MnO3. Journal of Magnetism and Magnetic Materials, 2016, 406, 22-29.	1.0	15
85	Radiation-induced synthesis of nanoscale Co- and Ni-based electro-catalysts on carbon for the oxygen reduction reaction. Dalton Transactions, 2017, 46, 9995-10002.	1.6	15
86	Peculiar magnetic states in the double perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nd</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2019, 100, .	1.1	15
87	Photoemission studies of the annealing-induced modifications ofGa0.95Mn0.05As. Physical Review B, 2004, 70, .	1.1	14
88	Voids and Mn-rich inclusions in a (Ga,Mn)As ferromagnetic semiconductor investigated by transmission electron microscopy. Journal of Applied Physics, 2011, 109, .	1.1	14
89	Effects of the individual particle relaxation time on superspin glass dynamics. Physical Review B, 2016, 93, .	1.1	14
90	Superspin glass state in a diluted nanoparticle system stabilized by interparticle interactions mediated by an antiferromagnetic matrix. Nanotechnology, 2017, 28, 035701.	1.3	14

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91	Signatures of a Spin- 12 Cooperative Paramagnet in the Diluted Triangular Lattice of Y2CuTiO6. Physical Review Letters, 2020, 125, 117206.	2.9	14
92	Gamma-radiation induced synthesis of freestanding nickel nanoparticles. Dalton Transactions, 2021, 50, 376-383.	1.6	14
93	Magnetic contribution to the resistivity noise in aLa0.7Sr0.3MnO3film grain boundary. Physical Review B, 2001, 63, .	1.1	13
94	Structural and Magnetic Characterisation of the Double Perovskites AAâ€²MnWO 6 (AAâ€² = Ba 2 , SrBa, Sr 2) Tj ETQq0 0 0 rgBT /Overl	0.3	13
95	Shortâ€Range Spin Order and Frustrated Magnetism in Mn₂InSbO₆ and Mn₂ScSbO₆. European Journal of Inorganic Chemistry, 2011, 2011, 4691-4699.	1.0	13
96	Influence of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi></mml:mrow></mml:math>cation on the low-temperature antiferromagnetism of ordered antiferroelectric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>A</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mm	1.1	13
97	Chemical pressure effects on structural, dielectric and magnetic properties of solid solutions Mn3â^'xCoxTeO6. Materials Research Bulletin, 2014, 50, 42-56.	2.7	13
98	Neutron powder diffraction study of Ba3ZnRu2-xIrxO9 (xÂ=Â0, 1, 2) with 6H-type perovskite structure. Solid State Sciences, 2015, 50, 58-64.	1.5	13
99	Effect of Quenched Disorder on Chargeâ€“Orbitalâ€“Spin Ordering in Single-Layer Manganites. Journal of the Physical Society of Japan, 2006, 75, 053602.	0.7	12
100	Synthesis and in vitro cellular interactions of superparamagnetic iron nanoparticles with a crystalline gold shell. Applied Surface Science, 2014, 316, 171-178.	3.1	12
101	Crystal growth experiments in the systems Ni₂MSbO₆ (M = Sc,) Tj ETQq1 1 0.784314 rgBT /O NiSb₂O₆ crystals in the millimetre range. Crystal Research and Technology, 2014, 49, 142-151.	0.6	12
102	Tunable exchange bias in dilute magnetic alloys â€“ chiral spin glasses. Scientific Reports, 2016, 6, 19964.	1.6	12
103	New insights into the multiferroic properties of Mn₃TeO₆. Journal Physics D: Applied Physics, 2017, 50, 085001.	1.3	12
104	Modification of the structure and magnetic properties of ceramic La2CoMnO6 with Ru doping. Journal of Alloys and Compounds, 2018, 752, 420-430.	2.8	12
105	Investigation of the magnetic phase transition and magnetocaloric properties of the Mn2FeSbO6 ilmenite. Journal of Magnetism and Magnetic Materials, 2013, 331, 193-197.	1.0	11
106	Ageing dynamics of a superspin glass. Europhysics Letters, 2014, 108, 17004.	0.7	11
107	Evolution of the structural and multiferroic properties of PbFe2/3W1/3O3 ceramics upon Mn-doping. Materials Chemistry and Physics, 2017, 187, 218-232.	2.0	11
108	LaFeO3-CoFe2O4 bi-magnetic composite thin films prepared using an all-in-one synthesis technique. Journal of Magnetism and Magnetic Materials, 2020, 503, 166622.	1.0	11

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109	Exploring the magnetic properties and magnetic coupling in SrFe12O19/Co1-xZnxFe2O4 nanocomposites. Journal of Magnetism and Magnetic Materials, 2021, 535, 168095.	1.0	11
110	Complex correlations between microstructure and magnetic behavior in SrFe12O19 hexaferrite nanoparticles. Scientific Reports, 2021, 11, 23307.	1.6	11
111	Logarithmic growth law in the two-dimensional Ising spin glass state resulting from the electron doping in single-layered manganites. Physical Review B, 2007, 76, .	1.1	10
112	Electronic Self-Organization in the Single-Layer ManganitePr1â^'xCa1+xMnO4. Physical Review Letters, 2009, 103, 167202.	2.9	10
113	Electronic superlattice revealed by resonant scattering from random impurities in Sr3Ru2O7. Scientific Reports, 2013, 3, 2299.	1.6	10
114	Magnetic anisotropy and magnetization dynamics of Fe nanoparticles embedded in Cr and Ag matrices. Philosophical Magazine, 2015, 95, 3798-3807.	0.7	10
115	Particle size-dependent superspin glass behavior in random compacts of monodisperse maghemite nanoparticles. Materials Research Express, 2016, 3, 045015.	0.8	10
116	In-plane structural order of domain engineered La_{0.7}Sr_{0.3}MnO₃thin films. Philosophical Magazine, 2013, 93, 1549-1562.	0.7	9
117	High-temperature structural phase transition in the LiCu2O2 multiferroic. Journal of Experimental and Theoretical Physics, 2013, 117, 320-326.	0.2	9
118	Magnetic properties of nanoparticle compacts with controlled broadening of the particle size distribution. Physical Review B, 2017, 95, .	1.1	9
119	Fe/V and Fe/Co (001) superlattices: growth, anisotropy, magnetisation and magnetoresistance. Physica B: Condensed Matter, 2003, 327, 344-348.	1.3	8
120	Coexistence of long-ranged charge and orbital order and spin-glass state in single-layered manganites with weak quenched disorder. Europhysics Letters, 2007, 80, 37001.	0.7	8
121	Studies of the magnetic behavior of the spinel system GaxCoCrFe1â^'xO4 by neutron diffraction. Physica B: Condensed Matter, 2003, 337, 323-332.	1.3	7
122	Superspin glass state and exchange bias in amorphous Fe/Fe-O core/shell nanoparticles. Materials Research Express, 2014, 1, 036103.	0.8	7
123	Studying nanoparticlesâ€™ 3D shape by aspect maps: Determination of the morphology of bacterial magnetic nanoparticles. Faraday Discussions, 2016, 191, 177-188.	1.6	7
124	Room temperature ferrimagnetism in Yb-doped relaxor ferroelectric PbFe2/3W1/3O3. Applied Physics Letters, 2019, 115, 072902.	1.5	7
125	Bandgap engineering in Mn₃TeO₆: giant irreversible bandgap reduction triggered by pressure. Chemical Communications, 2019, 55, 12000-12003.	2.2	7
126	Pressure tuning of octahedral tilt in the ordered double perovskite Pb2CoTeO6. Journal of Alloys and Compounds, 2019, 801, 310-317.	2.8	7

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127	Memory and superposition in a superspin glass. Scientific Reports, 2021, 11, 7743.	1.6	7
128	Magnetic polarons and spin-glass behavior in insulating La1â^'xSrxCoO3 (x=0.125 and 0.15). Physical Review Research, 2020, 2, .	1.3	7
129	Magnetic Properties of Short Period InGaMnAs/InGaAs Superlattices. Acta Physica Polonica A, 2002, 102, 687-694.	0.2	7
130	Effects of Mg-doping in Nd0.7Sr0.3Mn1â^'yMgyO3(yâ©½0.3). Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1340-1342.	1.0	6
131	Direct observation of the bandwidth-disorder induced variation of charge/orbital ordering structure in RE0.5(Ca1â^'ySry)1.5MnO4. Journal of Physics Condensed Matter, 2007, 19, 172203.	0.7	6
132	Structural and magnetic properties of Mn3â^'xCdxTeO6 (x=0, 1, 1.5 and 2). Journal of Magnetism and Magnetic Materials, 2012, 324, 1637-1644.	1.0	6
133	Cation ordering, ferrimagnetism and ferroelectric relaxor behavior in Pb(Fe1â^'xScx)2â^•3W1â^•3O3 solid solutions. European Physical Journal B, 2019, 92, 1.	0.6	6
134	Pressure-induced polymorphism and piezochromism in Mn2FeSbO6. Applied Physics Letters, 2019, 114, 162903.	1.5	6
135	Phase stability and structural transitions in compositionally complex LnMO3 perovskites. Journal of Solid State Chemistry, 2021, 300, 122213.	1.4	6
136	Memory and rejuvenation in a quasicrystal. Europhysics Letters, 2020, 132, 27002.	0.7	6
137	Local structural properties of 0.5BiMnO3â€“0.5ATiO3 (A = Ba or Sr). Chemical Communications, 2010, 46, 1455.	2.2	5
138	Structure and magnetism in hexagonal tungsten bronze metal oxides AM1/3W8/3O9 (Aâ€“K, Rb, Cs; Mâ€“Cr,) Tj ETQq0 0 0 rgBT /Overl	1.5	5
139	Twinned-domain-induced magnonic modes in epitaxial LSMO/STO films. New Journal of Physics, 2017, 19, 063002.	1.2	5
140	Glassy behavior of diluted Cu-Zn ferrites. Journal of Magnetism and Magnetic Materials, 2018, 452, 261-265.	1.0	5
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