

Roland Mathieu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4914470/roland-mathieu-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 | The anomalous Hall effect and magnetic monopoles in momentum space. <i>Science</i> , 2003 , 302, 92-5 | 33.3 | 691 |
| 174 | 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 |
| 173 | Memory and superposition in a spin glass. <i>Physical Review B</i> , 2001 , 63, | 3.3 | 115 |
| 172 | Scaling of the Anomalous Hall Effect in Sr _{1-x} Ca _x RuO ₃ . <i>Physical Review Letters</i> , 2004 , 93, | 7.4 | 113 |
| 171 | Defect-induced magnetic structure in (Ga _{1-x} Mn _x)As. <i>Physical Review Letters</i> , 2002 , 88, 187202 | 7.4 | 104 |
| 170 | Spin-glass dynamics of La _{0.95} Sr _{0.05} CoO ₃ . <i>Physical Review B</i> , 2000 , 62, 8989-8995 | 3.3 | 100 |
| 169 | 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 |
| 168 | Nonequilibrium dynamics of spin glasses: Examination of the ghost domain scenario. <i>Physical Review B</i> , 2004 , 70, | 3.3 | 89 |
| 167 | Short-range ferromagnetism and spin-glass state in Y _{0.7} Ca _{0.3} MnO ₃ . <i>Physical Review B</i> , 2001 , 63, | 3.3 | 78 |
| 166 | Ferromagnetism and frustration in Nd _{0.7} Sr _{0.3} MnO ₃ . <i>Physical Review B</i> , 2000 , 62, 1027-1032 | 3.3 | 69 |
| 165 | Structural and magnetic properties of LaFe _{0.5} Cr _{0.5} O ₃ studied by neutron diffraction, electron diffraction and magnetometry. <i>Materials Research Bulletin</i> , 2005 , 40, 1633-1644 | 5.1 | 65 |
| 164 | Synthesis, structural and magnetic characterisation of the double perovskite A ₂ MnMoO ₆ (A=Ba, Sr). <i>Journal of Alloys and Compounds</i> , 2004 , 364, 77-82 | 5.7 | 62 |
| 163 | Structural and magnetic properties of GaMnAs layers with high Mn-content grown by migration-enhanced epitaxy on GaAs(100) substrates. <i>Applied Physics Letters</i> , 2001 , 78, 3271-3273 | 3.4 | 56 |
| 162 | Synthesis, crystal structure, and magnetic characterization of the double perovskite Ba ₂ MnWO ₆ . <i>Materials Research Bulletin</i> , 2001 , 36, 2215-2228 | 5.1 | 56 |
| 161 | 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 |
| 160 | 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 |
| 159 | Absence of conventional spin-glass transition in the Ising dipolar system LiHo(x)Y(1-x)F(4). <i>Physical Review Letters</i> , 2007 , 98, 256403 | 7.4 | 48 |

| | | | |
|-----|--|-----|----|
| 158 | 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 |
| 157 | Remanence Plots as a Probe of Spin Disorder in Magnetic Nanoparticles. <i>Chemistry of Materials</i> , 2017 , 29, 8258-8268 | 9.6 | 45 |
| 156 | Photoemission studies of Ga _{1-x} Mn _x As: Mn concentration dependent properties. <i>Physical Review B</i> , 2002 , 66, | 3.3 | 44 |
| 155 | Re-entrant spin glass transition in La _{0.96-y} Nd _y K _{0.04} MnO ₃ : Origin and effects on the colossal magnetoresistivity. <i>Europhysics Letters</i> , 2000 , 52, 441-447 | 1.6 | 43 |
| 154 | Complex magnetism and magnetic-field-driven electrical polarization of Co ₃ TeO ₆ . <i>Physical Review B</i> , 2011 , 84, | 3.3 | 40 |
| 153 | Eu _{0.5} Sr _{1.5} MnO ₄ : A three-dimensional XY spin glass. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 39 |
| 152 | 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 |
| 151 | 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 |
| 150 | Memory and chaos in an Ising spin glass. <i>Physical Review B</i> , 2001 , 65, | 3.3 | 38 |
| 149 | Designing new ferrite/manganite nanocomposites. <i>Nanoscale</i> , 2016 , 8, 2081-9 | 7.7 | 36 |
| 148 | Magnetic compensation, field-dependent magnetization reversal, and complex magnetic ordering in Co ₂ TiO ₄ . <i>Physical Review B</i> , 2015 , 92, | 3.3 | 36 |
| 147 | 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 |
| 146 | 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 |
| 145 | Effect of annealing on carrier density and Curie temperature in epitaxial (Ga,Mn)As thin films. <i>Applied Physics Letters</i> , 2003 , 82, 2287-2289 | 3.4 | 35 |
| 144 | Impurity-induced transition to a Mott insulator in Sr ₃ Ru ₂ O ₇ . <i>Physical Review B</i> , 2005 , 72, | 3.3 | 34 |
| 143 | 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 |
| 142 | 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 |
| 141 | Temperature-dependent multi-k magnetic structure in multiferroic Co ₃ TeO ₆ . <i>Materials Research Bulletin</i> , 2012 , 47, 63-72 | 5.1 | 32 |

- 140 New type of incommensurate magnetic ordering in Mn₃TeO₆. *Materials Research Bulletin*, **2011**, 46, 1876-1877
- 139 Spin and Dipole Ordering in Ni₂InSbO₆ and Ni₂ScSbO₆ with Corundum-Related Structure. *Chemistry of Materials*, **2013**, 25, 935-945 9.6 30
- 138 Memory and rejuvenation in a spin glass. *Europhysics Letters*, **2010**, 90, 67003 1.6 30
- 137 Crystal-field level inversion in lightly Mn-doped Sr₃Ru₂O₇. *Physical Review Letters*, **2008**, 101, 016404 7.4 30
- 136 Bandwidth-disorder phase diagram of half-doped layered manganites. *Physical Review B*, **2006**, 74, 3.3 29
- 135 The Nanoscale Phase Separation in Hole-Doped Manganites. *Journal of the Physical Society of Japan*, **2007**, 76, 124706 1.5 28
- 134 Grain-boundary effects on magnetotransport in La_{0.7}Sr_{0.3}MnO₃ biepitaxial films. *Physical Review B*, **2000**, 62, 3333-3339 3.3 28
- 133 Mn₂FeSbO₆: A ferrimagnetic ilmenite and an antiferromagnetic perovskite. *Physical Review B*, **2013**, 87, 3.3 27
- 132 Preparation, structural, dielectric and magnetic properties of LaFeO₃BbTiO₃ solid solutions. *Materials Research Bulletin*, **2012**, 47, 3253-3268 5.1 27
- 131 Enhancement of antiferromagnetic interaction and transition temperature in M₃TeO₆ systems (M = Mn, Co, Ni, Cu). *European Physical Journal B*, **2013**, 86, 1 1.2 26
- 130 Size-dependent surface effects in maghemite nanoparticles and its impact on interparticle interactions in dense assemblies. *Nanotechnology*, **2015**, 26, 475703 3.4 26
- 129 Ferromagnetism and interlayer exchange coupling in short-period (Ga,Mn)As/GaAs superlattices. *Applied Physics Letters*, **2002**, 81, 3013-3015 3.4 26
- 128 Structural and magnetic properties of the ordered perovskite Pb₂CoTeO₆. *Dalton Transactions*, **2010**, 39, 11136-48 4.3 24
- 127 Neutron diffraction studies and the magnetism of an ordered perovskite: Ba₂(CoTeO₆). *Dalton Transactions*, **2010**, 39, 5490-9 4.3 23
- 126 Interlayer exchange coupling and giant magnetoresistance in Fe/V (001) superlattices. *Physical Review B*, **2002**, 65, 3.3 23
- 125 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, 3.3 22
- 124 Magnetic order near 270 K in mineral and synthetic Mn₂FeSbO₆ ilmenite. *Applied Physics Letters*, **2011**, 98, 202505 3.4 22
- 123 Ferromagnetic GaMnAs/GaAs superlattices MBE growth and magnetic properties. *Thin Solid Films*, **2002**, 412, 122-128 2.2 22

| | | | |
|-----|---|------|----|
| 122 | 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 |
| 121 | On the nature of magnetic state in the spinel Co_2NiO_4 . <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 166001 | 1.8 | 21 |
| 120 | Variation of charge/orbital ordering in layered manganite $\text{Pr}_{1-x}\text{Ca}_{1+x}\text{MnO}_4$ investigated by transmission electron microscopy. <i>Physical Review B</i> , 2007 , 75, | 3.3 | 21 |
| 119 | Determination of the intrinsic anomalous Hall effect of SrRuO_3 . <i>Physical Review B</i> , 2005 , 72, | 3.3 | 21 |
| 118 | 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 |
| 117 | Ferrimagnetism, antiferromagnetism, and magnetic frustration in $\text{La}_{2-x}\text{Sr}_x\text{CuRuO}_6$ ($0 \leq x \leq 1$). <i>Physical Review B</i> , 2012 , 86, | 3.3 | 18 |
| 116 | Strong rejuvenation in a chiral-glass superconductor. <i>Physical Review B</i> , 2003 , 67, | 3.3 | 18 |
| 115 | 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 |
| 114 | Tuning the Magnetic Properties of Hard-Soft $\text{SrFe}_{12}\text{O}_{19}/\text{CoFe}_2\text{O}_4$ Nanostructures via Composition/Interphase Coupling. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 5927-5936 | 3.8 | 17 |
| 113 | Monte Carlo study of the superspin glass behavior of interacting ultrasmall ferrimagnetic nanoparticles. <i>Physical Review B</i> , 2018 , 97, | 3.3 | 16 |
| 112 | Polar Order and Frustrated Antiferromagnetism in Perovskite Pb_2MnWO_6 Single Crystals. <i>Inorganic Chemistry</i> , 2016 , 55, 2791-805 | 5.1 | 16 |
| 111 | Correlation of electronic structure and ordered charge and orbital patterns for single-layered manganites in a wide hole-doping range ($0 \leq x \leq 1$). <i>Physical Review B</i> , 2007 , 75, | 3.3 | 16 |
| 110 | Magnetization of ultrathin (Ga,Mn)As layers. <i>Physical Review B</i> , 2003 , 68, | 3.3 | 16 |
| 109 | Symbiotic, low-temperature, and scalable synthesis of bi-magnetic complex oxide nanocomposites. <i>Nanoscale Advances</i> , 2020 , 2, 851-859 | 5.1 | 15 |
| 108 | Controlling magnetic coupling in bi-magnetic nanocomposites. <i>Nanoscale</i> , 2019 , 11, 14256-14265 | 7.7 | 15 |
| 107 | Reentrant Superspin Glass Phase in a $\text{La}_{0.82}\text{Ca}_{0.18}\text{MnO}_3$ Ferromagnetic Insulator. <i>Physical Review X</i> , 2014 , 4, | 9.1 | 15 |
| 106 | Phase transition in a super superspin glass. <i>Europhysics Letters</i> , 2013 , 102, 67002 | 1.6 | 15 |
| 105 | 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 |

| | | | |
|-----|--|-----|----|
| 104 | 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 |
| 103 | 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 |
| 102 | Photoemission studies of the annealing-induced modifications of Ga _{0.95} Mn _{0.05} As. <i>Physical Review B</i> , 2004 , 70, | 3.3 | 14 |
| 101 | Thermally induced magnetic relaxation in square artificial spin ice. <i>Scientific Reports</i> , 2016 , 6, 37097 | 4.9 | 14 |
| 100 | Demagnetization effects in dense nanoparticle assemblies. <i>Applied Physics Letters</i> , 2016 , 109, 152404 | 3.4 | 14 |
| 99 | Simultaneous Individual and Dipolar Collective Properties in Binary Assemblies of Magnetic Nanoparticles. <i>Chemistry of Materials</i> , 2020 , 32, 969-981 | 9.6 | 13 |
| 98 | 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 |
| 97 | Isothermal remanent magnetization and the spin dimensionality of spin glasses. <i>Philosophical Magazine Letters</i> , 2010 , 90, 723-729 | 1 | 13 |
| 96 | 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 |
| 95 | 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 |
| 94 | Temperature-dependent structural and magnetic properties of R ₂ MMnO 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 |
| 93 | 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 |
| 92 | 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 |
| 91 | Structural and Magnetic Characterisation of the Double Perovskites AA ₂ MnWO ₆ (AA ₂ = Ba ₂ , SrBa, Sr ₂ , SrCa and Ca ₂). <i>Ferroelectrics</i> , 2002 , 269, 105-110 | 0.6 | 12 |
| 90 | 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 |
| 89 | Chemical pressure effects on structural, dielectric and magnetic properties of solid solutions Mn ₃ □CoxTeO ₆ . <i>Materials Research Bulletin</i> , 2014 , 50, 42-56 | 5.1 | 11 |
| 88 | Effect of Quenched Disorder on ChargeOrbitalSpin Ordering in Single-Layer Manganites. <i>Journal of the Physical Society of Japan</i> , 2006 , 75, 053602 | 1.5 | 11 |
| 87 | 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 |

| | | | |
|----|--|-----|----|
| 86 | 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 |
| 85 | Effects of the individual particle relaxation time on superspin glass dynamics. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 10 |
| 84 | 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 |
| 83 | Short-Range Spin Order and Frustrated Magnetism in $\text{Mn}_2\text{InSbO}_6$ and $\text{Mn}_2\text{ScSbO}_6$. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 4691-4699 | 2.3 | 10 |
| 82 | Tunable exchange bias in dilute magnetic alloys - chiral spin glasses. <i>Scientific Reports</i> , 2016 , 6, 19964 | 4.9 | 10 |
| 81 | Investigation of the magnetic phase transition and magnetocaloric properties of the $\text{Mn}_2\text{FeSbO}_6$ ilmenite. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 331, 193-197 | 2.8 | 9 |
| 80 | High-temperature structural phase transition in the LiCu_2O_2 multiferroic. <i>Journal of Experimental and Theoretical Physics</i> , 2013 , 117, 320-326 | 1 | 9 |
| 79 | Electronic self-organization in the single-layer manganite $\text{Pr}_{1-x}\text{Ca}_{1+x}\text{MnO}_4$. <i>Physical Review Letters</i> , 2009 , 103, 167202 | 7.4 | 9 |
| 78 | 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 |
| 77 | New insights into the multiferroic properties of Mn_3TeO_6 . <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 085001 | 3 | 8 |
| 76 | 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 |
| 75 | $\text{LaFeO}_3\text{-CoFe}_2\text{O}_4$ 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 |
| 74 | $\text{Ba}_3\text{M}_2\text{O}_9$ hexagonal perovskites in the light of spin-orbit coupling and local structural distortions. <i>Physical Review B</i> , 2018 , 97, | 3.3 | 8 |
| 73 | Electronic superlattice revealed by resonant scattering from random impurities in $\text{Sr}_3\text{Ru}_2\text{O}_7$. <i>Scientific Reports</i> , 2013 , 3, 2299 | 4.9 | 8 |
| 72 | 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 |
| 71 | Modification of the structure and magnetic properties of ceramic $\text{La}_2\text{CoMnO}_6$ with Ru doping. <i>Journal of Alloys and Compounds</i> , 2018 , 752, 420-430 | 5.7 | 7 |
| 70 | 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 |
| 69 | In-plane structural order of domain engineered $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin films. <i>Philosophical Magazine</i> , 2013 , 93, 1549-1562 | 1.6 | 7 |

| | | | |
|----|---|-----|---|
| 68 | Magnetic properties of nanoparticle compacts with controlled broadening of the particle size distribution. <i>Physical Review B</i> , 2017 , 95, | 3.3 | 7 |
| 67 | Ageing dynamics of a superspin glass. <i>Europhysics Letters</i> , 2014 , 108, 17004 | 1.6 | 7 |
| 66 | Studies of the magnetic behavior of the spinel system $GaxCoCrFe_{1-x}O_4$ by neutron diffraction. <i>Physica B: Condensed Matter</i> , 2003 , 337, 323-332 | 2.8 | 7 |
| 65 | Towards bi-magnetic nanocomposites as permanent magnets through the optimization of the synthesis and magnetic properties of $SrFe_{12}O_{19}$ nanocrystallites. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 124004 | 3 | 7 |
| 64 | 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 |
| 63 | Room temperature ferrimagnetism in Yb-doped relaxor ferroelectric $PbFe_{2/3}W_{1/3}O_3$. <i>Applied Physics Letters</i> , 2019 , 115, 072902 | 3.4 | 6 |
| 62 | Direct observation of the bandwidth-disorder induced variation of charge/orbital ordering structure in $RE_{0.5}(Ca_{1-y}Sr_y)_{1.5}MnO_4$. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 172203 | 1.8 | 6 |
| 61 | Effects of Mg-doping in $Nd_{0.7}Sr_{0.3}Mn_{1-y}Mg_yO_3$ ($y=0.3$). <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 1340-1342 | 2.8 | 6 |
| 60 | Magnetic Properties of Short Period $InGaMnAs/InGaAs$ Superlattices. <i>Acta Physica Polonica A</i> , 2002 , 102, 687-694 | 0.6 | 6 |
| 59 | Particle size-dependent superspin glass behavior in random compacts of monodisperse maghemite nanoparticles. <i>Materials Research Express</i> , 2016 , 3, 045015 | 1.7 | 6 |
| 58 | Bandgap engineering in $MnTeO$: giant irreversible bandgap reduction triggered by pressure. <i>Chemical Communications</i> , 2019 , 55, 12000-12003 | 5.8 | 5 |
| 57 | 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 |
| 56 | Pressure-induced polymorphism and piezochromism in Mn_2FeSbO_6 . <i>Applied Physics Letters</i> , 2019 , 114, 162903 | 3.4 | 5 |
| 55 | Studying nanoparticles' shape by aspect maps: Determination of the morphology of bacterial magnetic nanoparticles. <i>Faraday Discussions</i> , 2016 , 191, 177-188 | 3.6 | 5 |
| 54 | Peculiar magnetic states in the double perovskite Nd_2NiMnO_6 . <i>Physical Review B</i> , 2019 , 100, | 3.3 | 5 |
| 53 | Crystal growth experiments in the systems Ni_2MSbO_6 ($M = Sc, In$) using chemical vapour transport reactions: Ni_2InSbO_6 and $NiSb_2O_6$ crystals in the millimetre range. <i>Crystal Research and Technology</i> , 2014 , 49, 142-151 | 1.3 | 5 |
| 52 | Structural and magnetic properties of $Mn_3-xCdxTeO_6$ ($x=0, 1, 1.5$ and 2). <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 1637-1644 | 2.8 | 5 |
| 51 | 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 |

| | | | |
|----|---|-----|---|
| 50 | Twinned-domain-induced magnonic modes in epitaxial LSMO/STO films. <i>New Journal of Physics</i> , 2017 , 19, 063002 | 2.9 | 4 |
| 49 | Cation ordering, ferrimagnetism and ferroelectric relaxor behavior in $\text{Pb}(\text{Fe}_{1-x}\text{Sc}_x)_2\text{W}_1\text{BO}_3$ solid solutions. <i>European Physical Journal B</i> , 2019 , 92, 1 | 1.2 | 4 |
| 48 | Temperature evolution of structural and magnetic properties of stoichiometric LiCu_2O_2 : Correlation of thermal expansion coefficient and magnetic order. <i>Solid State Sciences</i> , 2014 , 34, 97-101 | 3.4 | 4 |
| 47 | 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 |
| 46 | Properties of GaMnAs layers grown by migration enhanced epitaxy at very low substrate temperatures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001 , 10, 181-185 | 3 | 4 |
| 45 | The role of Tb-doping on the structural and functional properties of $\text{Bi}_{4-x}\text{Tb}_x\text{Ti}_3\text{O}_{12}$ ferroelectric phases with the Aurivillius type structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 4914-4924 | 2.1 | 3 |
| 44 | Successive phase transitions in the orthovanadate TmVO_3 . <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 345003 | 3 | 3 |
| 43 | Glassy behavior of diluted Cu-Zn ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 452, 261-265 | 3 | 3 |
| 42 | 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 |
| 41 | Composition driven structural transition in $\text{La}_2\text{Br}_x\text{CuRuO}_6$ ($0 \leq x \leq 1$) double perovskites. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 1096-1101 | 5.7 | 3 |
| 40 | Structure and magnetism in hexagonal tungsten bronze metal oxides $\text{AM}_1/3\text{W}_8/3\text{O}_9$ (A=K, Rb, Cs; M=Cr, Fe). <i>Solid State Sciences</i> , 2015 , 40, 44-49 | 3.4 | 3 |
| 39 | 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 |
| 38 | 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 |
| 37 | Magnetotransport in a bi-crystal film of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 786-787 | 2.8 | 3 |
| 36 | Magnetic polarons and spin-glass behavior in insulating $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ ($x=0.125$ and 0.15). <i>Physical Review Research</i> , 2020 , 2, | 3.9 | 3 |
| 35 | On the structural and magnetic properties of the double perovskite $(\text{Nd})_2(\text{NiMnO})_6$. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 16571-16578 | 2.1 | 2 |
| 34 | Structural and magnetic properties of nickel antimony ferros spinels. <i>Materials Chemistry and Physics</i> , 2015 , 158, 127-137 | 4.4 | 2 |
| 33 | 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 |

| | | | |
|----|---|-----|---|
| 32 | 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 |
| 31 | Phase transitions of (Cu,Ni) ₃ TeO ₆ solid solutions. <i>Inorganic Materials</i> , 2011 , 47, 1132-1140 | 0.9 | 2 |
| 30 | 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 |
| 29 | Memory and superposition in a superspin glass. <i>Scientific Reports</i> , 2021 , 11, 7743 | 4.9 | 2 |
| 28 | Exploring the magnetic properties and magnetic coupling in SrFe ₁₂ 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 |
| 27 | 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 |
| 26 | Crystal structure and antiferromagnetic spin ordering of LnFe _{2/3} Mo _{1/3} O ₃ (Ln=Nd,Pr,Ce,La) perovskites. <i>Physical Review B</i> , 2015 , 91, | 3.3 | 1 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | Dynamical studies on model spin glasses. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 032042 | 0.3 | 1 |
| 20 | 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 |
| 19 | 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 |
| 18 | Influence of A-Site Cations on Structural and Magnetic Properties in the Double Perovskites Ca _{2-x} Sr _x MnWO ₆ and Sr _{2-x} Ba _x MnWO ₆ (0 ≤ x ≤ 2.0). <i>Ferroelectrics</i> , 2004 , 302, 181-185 | 0.6 | 1 |
| 17 | Colossal magnetoresistance of La _{0.96-y} Nd _y K _{0.04} MnO ₃ . <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1432-1433 | 2.8 | 1 |
| 16 | Random fields and apparent exchange bias in the dilute Ising antiferromagnet FeZnF. <i>Scientific Reports</i> , 2020 , 10, 14588 | 4.9 | 1 |
| 15 | 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 |

| | | | |
|----|--|-----|---|
| 14 | Gamma-radiation induced synthesis of freestanding nickel nanoparticles. <i>Dalton Transactions</i> , 2021 , 50, 376-383 | 4.3 | 1 |
| 13 | Collective Magnetic Behaviour. <i>Springer Series in Materials Science</i> , 2021 , 65-84 | 0.9 | 1 |
| 12 | Phase stability and structural transitions in compositionally complex LnMO ₃ perovskites. <i>Journal of Solid State Chemistry</i> , 2021 , 300, 122213 | 3.3 | 1 |
| 11 | 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 |
| 10 | Complex correlations between microstructure and magnetic behavior in SrFeO hexaferrite nanoparticles. <i>Scientific Reports</i> , 2021 , 11, 23307 | 4.9 | 0 |
| 9 | Memory and rejuvenation in a quasicrystal. <i>Europhysics Letters</i> , 2020 , 132, 27002 | 1.6 | 0 |
| 8 | Signatures of a Spin-1/2 Cooperative Paramagnet in the Diluted Triangular Lattice of Y ₂ CuTiO ₆ . <i>Physical Review Letters</i> , 2020 , 125, 117206 | 7.4 | 0 |
| 7 | Ferromagnetic excess moments and apparent exchange bias in FeF single crystals. <i>Scientific Reports</i> , 2019 , 9, 18884 | 4.9 | 0 |
| 6 | 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 |
| 5 | Substitution mechanism and structural study of Ag-doped LiCu ₂ O ₂ . <i>Solid State Sciences</i> , 2017 , 70, 36-40 | 3.4 | |
| 4 | 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 | |
| 3 | Effects of magnesium substitution on the magnetic properties of Nd _{0.7} Sr _{0.3} MnO ₃ . <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1203-1211 | 3.3 | |
| 2 | Phase Transitions and Magnetic Order in La _{1-x} Sr _x MnO ₃ (x=0.2; 2.85/2.00). <i>Ferroelectrics</i> , 2002 , 269, 309-314 | 0.6 | |
| 1 | Partial cation ordering, relaxor ferroelectricity, and ferrimagnetism in Pb(Fe _{1-x} Y _x) _{2/3} W _{1/3} O ₃ solid solutions. <i>Journal of Applied Physics</i> , 2020 , 128, 134102 | 2.5 | |