

Rdiger Klingeler

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255
papers

6,616
citations

41
h-index

70
g-index

268
ext. papers

7,254
ext. citations

3.9
avg. IF

5.33
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 255 | The electronic phase diagram of the LaO(1-x)F(x)FeAs superconductor. <i>Nature Materials</i> , 2009 , 8, 305-9 | 27 | 363 |
| 254 | Commensurate spin density wave in LaFeAsO: a local probe study. <i>Physical Review Letters</i> , 2008 , 101, 077005 | 7.4 | 258 |
| 253 | ⁷⁵ As NMR studies of superconducting LaFeAsO _{0.9} F _{0.1} . <i>Physical Review Letters</i> , 2008 , 101, 047003 | 7.4 | 254 |
| 252 | The synthesis of carbon coated Fe, Co and Ni nanoparticles and an examination of their magnetic properties. <i>Carbon</i> , 2009 , 47, 2821-2828 | 10.4 | 168 |
| 251 | Field and temperature dependence of the superfluid density in LaFeAsO _{1-x} F _x superconductors: a muon spin relaxation study. <i>Physical Review Letters</i> , 2008 , 101, 097009 | 7.4 | 160 |
| 250 | Evidence for unusual superconducting correlations coexisting with stripe order in La _{1.875} Ba _{0.125} CuO ₄ . <i>Physical Review B</i> , 2008 , 78, | 3.3 | 148 |
| 249 | Frustrated cuprate route from antiferromagnetic to ferromagnetic spin-1/2 Heisenberg chains: Li ₂ ZrCuO ₄ as a missing link near the quantum critical point. <i>Physical Review Letters</i> , 2007 , 98, 077202 | 7.4 | 144 |
| 248 | Interplay between Charge Order, Magnetism, and Structure in La _{0.875} Sr _{0.125} MnO ₃ . <i>Physical Review Letters</i> , 1999 , 82, 185-188 | 7.4 | 119 |
| 247 | Interplay of rare earth and iron magnetism in RFeAsO (R=La, Ce, Pr, and Sm): Muon-spin relaxation study and symmetry analysis. <i>Physical Review B</i> , 2009 , 80, | 3.3 | 114 |
| 246 | The intrinsic electronic phase diagram of iron-oxypnictide superconductors. <i>Europhysics Letters</i> , 2009 , 87, 17005 | 1.6 | 103 |
| 245 | Local antiferromagnetic correlations in the iron pnictide superconductors LaFeAsO _{1-x} F _x and Ca(Fe _{1-x} Cox) ₂ As ₂ as seen via normal-state susceptibility. <i>Physical Review B</i> , 2010 , 81, | 3.3 | 95 |
| 244 | Carbon nanotube based biomedical agents for heating, temperature sensing and drug delivery. <i>International Journal of Hyperthermia</i> , 2008 , 24, 496-505 | 3.7 | 92 |
| 243 | Magnetic ordering and negative thermal expansion in PrFeAsO. <i>Physical Review B</i> , 2008 , 78, | 3.3 | 87 |
| 242 | One- and two-triplon spectra of a cuprate ladder. <i>Physical Review Letters</i> , 2007 , 98, 027403 | 7.4 | 85 |
| 241 | Investigating the graphitization mechanism of SiO(2) nanoparticles in chemical vapor deposition. <i>ACS Nano</i> , 2009 , 3, 4098-104 | 16.7 | 81 |
| 240 | MoO ₃ nanorods: Synthesis, characterization and magnetic properties. <i>Solid State Sciences</i> , 2007 , 9, 1028-1032 | 3.4 | 77 |
| 239 | High-field pauli-limiting behavior and strongly enhanced upper critical magnetic fields near the transition temperature of an arsenic-deficient LaO _{0.9} F _{0.1} FeAs _{1-δ} superconductor. <i>Physical Review Letters</i> , 2008 , 101, 237003 | 7.4 | 76 |

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|-----|---|------|----|
| 238 | Crystal and magnetic structure of the oxypnictide superconductor LaFeAsO _{1-x} Fx: A neutron-diffraction study. <i>Physical Review B</i> , 2010 , 82, | 3.3 | 72 |
| 237 | Weak superconducting pairing and a single isotropic energy gap in stoichiometric LiFeAs. <i>Physical Review Letters</i> , 2010 , 104, 187001 | 7.4 | 71 |
| 236 | Preparation of hierarchical C@MoS ₂ @C sandwiched hollow spheres for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3987-3994 | 13 | 67 |
| 235 | Magnetization and specific heat of TbFe ₃ (BO ₃) ₄ : Experiment and crystal-field calculations. <i>Physical Review B</i> , 2007 , 75, | 3.3 | 67 |
| 234 | Anatase Nanotubes as an Electrode Material for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 8714-8720 | 3.8 | 65 |
| 233 | Antioxidant multi-walled carbon nanotubes by free radical grafting of gallic acid: new materials for biomedical applications. <i>Journal of Pharmacy and Pharmacology</i> , 2011 , 63, 179-88 | 4.8 | 64 |
| 232 | A new family of 1D exchange biased heterometal single-molecule magnets: observation of pronounced quantum tunneling steps in the hysteresis loops of quasi-linear {Mn ₂ Ni ₃ } clusters. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3433-43 | 16.4 | 64 |
| 231 | Valence states and metamagnetic phase transition in partially B-site-disordered perovskite EuMn _{0.5} Co _{0.5} O ₃ . <i>Physical Review B</i> , 2008 , 77, | 3.3 | 62 |
| 230 | Phase diagram of the iron arsenide superconductors Ca(Fe _{1-x} Cox) ₂ As ₂ (0 ≤ x ≤ 0.2). <i>Physical Review B</i> , 2011 , 83, | 3.3 | 59 |
| 229 | Full spin switch effect for the superconducting current in a superconductor/ferromagnet thin film heterostructure. <i>Applied Physics Letters</i> , 2010 , 97, 102505 | 3.4 | 58 |
| 228 | Delivery of carboplatin by carbon-based nanocontainers mediates increased cancer cell death. <i>Nanotechnology</i> , 2010 , 21, 335101 | 3.4 | 58 |
| 227 | Tuning the magnetic ground state of a tetranuclear nickel(II) molecular complex by high magnetic fields. <i>Physical Review B</i> , 2006 , 73, | 3.3 | 58 |
| 226 | Monoclinic honeycomb-layered compound Li ₃ Ni ₂ SbO ₆ : preparation, crystal structure and magnetic properties. <i>Dalton Transactions</i> , 2012 , 41, 572-80 | 4.3 | 57 |
| 225 | Magnetic silica nanotubes: synthesis, drug release, and feasibility for magnetic hyperthermia. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2303-9 | 9.5 | 55 |
| 224 | Magnetic study of iron-containing carbon nanotubes: Feasibility for magnetic hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 4067-4071 | 2.8 | 53 |
| 223 | Magnetism and the charge order transition in lightly doped La _{1-x} SrxMnO ₃ . <i>Physical Review B</i> , 2002 , 65, | 3.3 | 48 |
| 222 | A new LiCoPO ₄ polymorph via low temperature synthesis. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 28563 | | 46 |
| 221 | Single Crystal Growth and Characterization of Superconducting LiFeAs. <i>Crystal Growth and Design</i> , 2010 , 10, 4428-4432 | 3.5 | 46 |

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|-----|--|------|----|
| 220 | Spin frustration and magnetic exchange in cobalt aluminum oxide spinels. <i>Physical Review B</i> , 2008 , 77, | 3.3 | 46 |
| 219 | Highly dispersive spin excitations in the chain cuprate Li_2CuO_2 . <i>Europhysics Letters</i> , 2009 , 88, 37002 | 1.6 | 44 |
| 218 | Magnetodielectric and magnetoelastic coupling in $\text{TbFe}_3(\text{BO}_3)_4$. <i>Physical Review B</i> , 2010 , 82, | 3.3 | 43 |
| 217 | A new layered triangular antiferromagnet $\text{Li}_4\text{FeSbO}_6$: spin order, field-induced transitions and anomalous critical behavior. <i>Dalton Transactions</i> , 2013 , 42, 1550-66 | 4.3 | 41 |
| 216 | Synthesis and physical properties of $\text{LaO}_{1-x}\text{F}_x\text{FeAs}$. <i>European Physical Journal B</i> , 2009 , 70, 461-468 | 1.2 | 41 |
| 215 | A carbon-wrapped nanoscaled thermometer for temperature control in biological environments. <i>Nanomedicine</i> , 2008 , 3, 321-7 | 5.6 | 41 |
| 214 | Orbital polaron lattice formation in lightly doped. <i>Physical Review Letters</i> , 2005 , 95, 236401 | 7.4 | 41 |
| 213 | From polystyrene waste to porous carbon flake and potential application in supercapacitor. <i>Waste Management</i> , 2019 , 85, 333-340 | 8.6 | 41 |
| 212 | Few-layer graphene shells and nonmagnetic encapsulates: a versatile and nontoxic carbon nanomaterial. <i>ACS Nano</i> , 2013 , 7, 10552-62 | 16.7 | 40 |
| 211 | Magnetic properties of vanadium oxide nanotubes probed by static magnetization and $V^{51}\text{NMR}$. <i>Physical Review B</i> , 2006 , 73, | 3.3 | 40 |
| 210 | Morphology controlled $\text{NH}_4\text{V}_3\text{O}_8$ microcrystals by hydrothermal synthesis. <i>Dalton Transactions</i> , 2013 , 42, 4897-902 | 4.3 | 39 |
| 209 | CCVD Synthesis of Carbon-Encapsulated Cobalt Nanoparticles for Biomedical Applications. <i>Advanced Functional Materials</i> , 2011 , 21, 3583-3588 | 15.6 | 38 |
| 208 | Perpendicular magnetization of long iron carbide nanowires inside carbon nanotubes due to magnetocrystalline anisotropy. <i>Journal of Applied Physics</i> , 2009 , 106, 054909 | 2.5 | 38 |
| 207 | Interaction of an extended series of N-substituted di(2-picoyl)amine derivatives with copper(II). Synthetic, structural, magnetic and solution studies. <i>Dalton Transactions</i> , 2009 , 4795-805 | 4.3 | 38 |
| 206 | Magnetic Interactions in a Series of Homodinuclear Lanthanide Complexes. <i>Inorganic Chemistry</i> , 2015 , 54, 11247-58 | 5.1 | 37 |
| 205 | Synthesis, characterization, and photocatalytic properties of core/shell mesoporous silica nanospheres supporting nanocrystalline titania. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 5899-5908 | 2.3 | 37 |
| 204 | Magnetism of hole-doped CuO_2 spin chains in $\text{Sr}_{14}\text{Cu}_{24}\text{O}_{41}$: Experimental and numerical results. <i>Physical Review B</i> , 2006 , 73, | 3.3 | 37 |
| 203 | Orbital order induced ferromagnetic insulating properties. <i>New Journal of Physics</i> , 2004 , 6, 152-152 | 2.9 | 37 |

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|-----|--|------|----|
| 202 | Magnetotransport studies and mechanism of Ho- and Y-doped La _{0.7} Ca _{0.3} MnO ₃ . <i>Physical Review B</i> , 2001 , 63, | 3.3 | 37 |
| 201 | Evidence of d-wave superconductivity in K _{1-x} NaxFe ₂ As ₂ (x=0,0.1) single crystals from low-temperature specific-heat measurements. <i>Physical Review B</i> , 2013 , 87, | 3.3 | 36 |
| 200 | Specific heat and angle-resolved photoemission spectroscopy study of the superconducting gaps in LiFeAs. <i>Physical Review B</i> , 2011 , 83, | 3.3 | 36 |
| 199 | Synthesis and toxicity characterization of carbon coated iron oxide nanoparticles with highly defined size distributions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 160-9 | 4 | 35 |
| 198 | Cisplatin-loaded carbon-encapsulated iron nanoparticles and their in vitro effects in magnetic fluid hyperthermia. <i>Carbon</i> , 2010 , 48, 2327-2334 | 10.4 | 35 |
| 197 | Synthesis and crystal structure of the Sr ₂ Al _{1.07} Mn _{0.93} O ₅ brownmillerite. <i>Journal of Materials Chemistry</i> , 2007 , 17, 692-698 | | 35 |
| 196 | New dinuclear nickel(II) complexes: synthesis, structure, electrochemical, and magnetic properties. <i>Inorganic Chemistry</i> , 2011 , 50, 4553-8 | 5.1 | 34 |
| 195 | Resistively shunted YBa ₂ Cu ₃ O ₇ grain boundary junctions and low-noise SQUIDs patterned by a focused ion beam down to 80 nm linewidth. <i>Superconductor Science and Technology</i> , 2011 , 24, 015015 | 3.1 | 33 |
| 194 | Anisotropic CE-type orbital correlations in the ferromagnetic metallic phase of Nd _{1/2} Sr _{1/2} MnO ₃ . <i>Physical Review B</i> , 2002 , 66, | 3.3 | 32 |
| 193 | Superparamagnetic FeCo and FeNi Nanocomposites Dispersed in Submicrometer-Sized C Spheres. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 22509-22517 | 3.8 | 31 |
| 192 | Critical current and vortex dynamics in single crystals of Ca(Fe _{1-x} Cox) ₂ As ₂ . <i>Physical Review B</i> , 2010 , 82, | 3.3 | 31 |
| 191 | Single-crystal growth of LiMnPO ₄ by the floating-zone method. <i>Journal of Crystal Growth</i> , 2009 , 311, 1273-1277 | 1.6 | 31 |
| 190 | Andreev spectroscopy of LaFeAsO _{0.9} F _{0.1} . <i>Physical Review B</i> , 2009 , 79, | 3.3 | 31 |
| 189 | Weak ferromagnetic spin and charge stripe order in La _{5/8} Sr _{1/8} NiO ₄ . <i>Physical Review B</i> , 2005 , 72, | 3.3 | 31 |
| 188 | A Three-Pronged Attack To Investigate the Electronic Structure of a Family of Ferromagnetic FeLn Cyclic Coordination Clusters: A Combined Magnetic Susceptibility, High-Field/High-Frequency Electron Paramagnetic Resonance, and Fe Mössbauer Study. <i>Inorganic Chemistry</i> , 2017 , 56, 4796-4806 | 5.1 | 30 |
| 187 | Morphology, Structural Control, and Magnetic Properties of Carbon-Coated Nanoscaled NiRu Alloys. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 10745-10749 | 3.8 | 30 |
| 186 | Electrochemical performance of single crystal belt-like NH ₄ V ₃ O ₈ as cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 174, 682-687 | 6.7 | 29 |
| 185 | Morphology and agglomeration control of LiMnPO ₄ micro- and nanocrystals. <i>Langmuir</i> , 2013 , 29, 8054-60 | | 29 |

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|-----|---|------|----|
| 184 | Saturation field of frustrated chain cuprates: broad regions of predominant interchain coupling. <i>Physical Review Letters</i> , 2011 , 107, 097201 | 7.4 | 29 |
| 183 | Electronic properties of LaO _{1-x} F _x FeAs in the normal state probed by NMR/NQR. <i>New Journal of Physics</i> , 2009 , 11, 035002 | 2.9 | 29 |
| 182 | Functionalization of carbon encapsulated iron nanoparticles. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 513-519 | 2.3 | 29 |
| 181 | Magnetization and specific heat of DyFe ₃ (BO ₃) ₄ single crystal. <i>European Physical Journal B</i> , 2008 , 62, 123-128 | 1.2 | 29 |
| 180 | Unidirectional diagonal order and three-dimensional stacking of charge stripes in orthorhombic Pr _{1.67} Sr _{0.33} NiO ₄ and Nd _{1.67} Sr _{0.33} NiO ₄ . <i>Physical Review B</i> , 2006 , 74, | 3.3 | 28 |
| 179 | The formation of stacked-cup carbon nanotubes using chemical vapor deposition from ethanol over silica. <i>Carbon</i> , 2010 , 48, 3175-3181 | 10.4 | 27 |
| 178 | Thermal expansion of LaFeAsO _{1-x} F _x : Evidence for high-temperature fluctuations. <i>Physical Review B</i> , 2009 , 80, | 3.3 | 26 |
| 177 | Carbon-nanotube-based stimuli-responsive controlled-release system. <i>Chemistry - A European Journal</i> , 2011 , 17, 4454-9 | 4.8 | 25 |
| 176 | Nonresonant x-ray magnetic scattering on rare-earth iron borates RFe ₃ (BO ₃) ₄ . <i>Physical Review B</i> , 2010 , 82, | 3.3 | 25 |
| 175 | Evidence for canted antiferromagnetism in lightly doped La _{1-x} Sr _x MnO ₃ . <i>Physical Review B</i> , 2001 , 64, | 3.3 | 25 |
| 174 | Hetero-layered MoS ₂ /C composites enabling ultrafast and durable Na storage. <i>Energy Storage Materials</i> , 2019 , 21, 115-123 | 19.4 | 24 |
| 173 | Hollow carbon sphere/metal oxide nanocomposites anodes for lithium-ion batteries. <i>Energy</i> , 2016 , 103, 100-106 | 7.9 | 24 |
| 172 | A Facile Route to Coat Iron Oxide Nanoparticles with Few-Layer Graphene. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 23749-23756 | 3.8 | 23 |
| 171 | Magnetic properties of carbon nanotubes with and without catalyst. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 072061 | 0.3 | 23 |
| 170 | Finite-size effects and magnetic order in the spin-1/2 honeycomb-lattice compound InCu ₂ /3V ₁ /3O ₃ . <i>Physical Review B</i> , 2010 , 81, | 3.3 | 23 |
| 169 | Single crystal growth and physical properties of superconducting ferro-pnictides Ba(Fe, Co) ₂ As ₂ grown using self-flux and Bridgman techniques. <i>Journal of Crystal Growth</i> , 2011 , 314, 341-348 | 1.6 | 23 |
| 168 | Antiferromagnetic dimers of Ni(II) in the S=1 spin-ladder Na ₂ Ni ₂ (C ₂ O ₄) ₃ (H ₂ O) ₂ . <i>Physical Review B</i> , 2006 , 73, | 3.3 | 23 |
| 167 | Optical study of LaO _{0.9} F _{0.1} FeAs: evidence for a weakly coupled superconducting state. <i>Physical Review Letters</i> , 2008 , 101, 257004 | 7.4 | 22 |

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|-----|--|-----|----|
| 166 | Thermodynamic and optical properties of NdCr ₃ (BO ₃) ₄ . <i>Physical Review B</i> , 2007 , 76, | 3.3 | 22 |
| 165 | CoFe ₂ O ₄ -filled carbon nanotubes as anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 834, 155018 | 5.7 | 21 |
| 164 | Magnetic properties of the low-dimensional spin-12 magnet $\text{Cu}_2\text{As}_2\text{O}_7$. <i>Physical Review B</i> , 2011 , 84, | 3.3 | 21 |
| 163 | Synthesis and characterization of V ₃ O ₇ H ₂ O nanobelts. <i>Solid State Communications</i> , 2009 , 149, 814-817 | 1.6 | 21 |
| 162 | Thermodynamic properties and neutron diffraction studies of silver ferrite AgFeO ₂ . <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 016007 | 1.8 | 21 |
| 161 | Hierarchical MoS ₂ /carbon porous nanorods towards atomic interfacial engineering for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7553-7564 | 1.3 | 20 |
| 160 | Morphology-controlled two-step synthesis and electrochemical studies on hierarchically structured LiCoPO ₄ . <i>Solid State Sciences</i> , 2015 , 48, 270-277 | 3.4 | 20 |
| 159 | Magnetic properties of quasi-one-dimensional antiferromagnets (Y _{1-x} Nd _x) ₂ BaNiO ₅ (x=1, 0.15). <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 331, 133-139 | 2.8 | 20 |
| 158 | Realization of the Nersesyanyan-Tsvetkov model in (NO)[Cu(NO ₃) ₃]. <i>Physical Review B</i> , 2010 , 82, | 3.3 | 20 |
| 157 | Interplay of magnetic exchange interactions and Ni-S-Ni bond angles in polynuclear nickel(II) complexes. <i>ChemPhysChem</i> , 2010 , 11, 1961-70 | 3.2 | 20 |
| 156 | Influence of a Counteranion on the Zero-Field Splitting of Tetrahedral Cobalt(II) Thiourea Complexes. <i>Inorganic Chemistry</i> , 2019 , 58, 9085-9100 | 5.1 | 19 |
| 155 | An individual iron nanowire-filled carbon nanotube probed by micro-Hall magnetometry. <i>Applied Physics Letters</i> , 2010 , 97, 212503 | 3.4 | 19 |
| 154 | Binuclear 1,2-Diphosphacyclopentadienyl Manganese(I) Complexes: Synthesis, Structure and Magnetic Properties. <i>Organometallics</i> , 2010 , 29, 1339-1342 | 3.8 | 19 |
| 153 | Electrochemical Behavior and Magnetic Properties of Vanadium Oxide Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5265-5270 | 3.8 | 19 |
| 152 | Biocompatibility of iron filled carbon nanotubes in vitro. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 5709-16 | 1.3 | 19 |
| 151 | Thermodynamic properties of NdFe ₃ (BO ₃) ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e621-e623 | 2.8 | 19 |
| 150 | Spiral vs. ferromagnetic in-chain order in edge-shared cuprates. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 345-348 | 2.8 | 19 |
| 149 | High-pressure optical floating-zone growth of Li(Mn,Fe)PO ₄ single crystals. <i>Journal of Crystal Growth</i> , 2017 , 462, 50-59 | 1.6 | 18 |

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|-----|---|-----|----|
| 148 | Pinning effects in ceramic $\text{SmO}_{1-x}\text{FeAs}$ as revealed by microwave absorption. <i>Physical Review B</i> , 2010 , 81, | 3.3 | 18 |
| 147 | Nonmagnetic carbon nanotubes. <i>Journal of Applied Physics</i> , 2009 , 105, 063906 | 2.5 | 18 |
| 146 | High-field electron spin resonance spectroscopy study of GdFeAsO_{1-x} superconductors. <i>Physical Review B</i> , 2011 , 83, | 3.3 | 18 |
| 145 | Anomalous orbital dynamics in LaSrMnO_4 observed by Raman spectroscopy. <i>Physical Review B</i> , 2008 , 77, | 3.3 | 18 |
| 144 | A facile synthesis method and electrochemical studies of a hierarchical structured MoS_2/C -nanocomposite. <i>RSC Advances</i> , 2016 , 6, 76084-76092 | 3.7 | 18 |
| 143 | Vanadium dioxide nanobelts: Hydrothermal synthesis and magnetic properties. <i>Materials Research Bulletin</i> , 2010 , 45, 1118-1121 | 5.1 | 17 |
| 142 | Upper critical field, penetration depth, and depinning frequency of the high-temperature superconductor $\text{LaFeAsO}_{0.9}\text{F}_{0.1}$ studied by microwave surface impedance. <i>Physical Review B</i> , 2008 , 78, | 3.3 | 17 |
| 141 | Carbon nanotubes decorated by mesoporous cobalt oxide as electrode material for lithium-ion batteries. <i>Chemical Physics Letters</i> , 2015 , 635, 185-189 | 2.5 | 16 |
| 140 | New phase of MnSb_2O_6 prepared by ion exchange: structural, magnetic, and thermodynamic properties. <i>Inorganic Chemistry</i> , 2015 , 54, 1705-11 | 5.1 | 16 |
| 139 | Magnetic properties of Fe and Fe_3C nanowires. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 072062 | 0.3 | 16 |
| 138 | Challenges in the crystal growth of Li_2CuO_2 and LiMnPO_4 . <i>Journal of Crystal Growth</i> , 2011 , 318, 995-999 | 1.6 | 16 |
| 137 | Synthesis of carbon-encapsulated iron nanoparticles by pyrolysis of iron citrate and poly(vinyl alcohol): a critical evaluation of yield and selectivity. <i>Nanotechnology</i> , 2011 , 22, 315606 | 3.4 | 16 |
| 136 | Helimagnetism and weak ferromagnetism in NaCu_2O_2 and related frustrated chain cuprates. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 145230 | 1.8 | 16 |
| 135 | Quantum electric dipole glass and frustrated magnetism near a critical point in $\text{Li}_2\text{ZrCuO}_4$. <i>Europhysics Letters</i> , 2009 , 88, 27001 | 1.6 | 15 |
| 134 | Magnetic and thermal properties of single-crystal $\text{NdFe}_3(\text{BO}_3)_4$. <i>Journal of Experimental and Theoretical Physics</i> , 2007 , 105, 105-107 | 1 | 15 |
| 133 | Electrochemical Magnetization Switching and Energy Storage in Manganese Oxide filled Carbon Nanotubes. <i>Scientific Reports</i> , 2017 , 7, 13625 | 4.9 | 14 |
| 132 | Observation of the inverse spin valve effect in a $\text{Ni}/\text{V}/\text{Ni}$ trilayer system. <i>JETP Letters</i> , 2009 , 90, 59-63 | 1.2 | 14 |
| 131 | Interplay between Kondo-like behavior and short-range antiferromagnetism in EuCu_2Si_2 single crystals. <i>Physical Review B</i> , 2008 , 78, | 3.3 | 14 |

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|-----|---|-----|----|
| 130 | Static and Dynamic Magnetic Response of Fragmented Haldane-like Spin Chains in Layered $\text{Li}_3\text{Cu}_2\text{SbO}_6$. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 084702 | 1.5 | 14 |
| 129 | Facile synthesis N-doped hollow carbon spheres from spherical solid silica. <i>Journal of Colloid and Interface Science</i> , 2018 , 511, 203-208 | 9.3 | 13 |
| 128 | Anisotropy-governed competition of magnetic phases in the honeycomb quantum magnet $\text{Na}_3\text{Ni}_2\text{SbO}_6$ studied by dilatometry and high-frequency ESR. <i>Physical Review B</i> , 2017 , 95, | 3.3 | 13 |
| 127 | Zigzag spin structure in layered honeycomb $\text{Li}_3\text{Ni}_2\text{SbO}_6$: A combined diffraction and antiferromagnetic resonance study. <i>Physical Review B</i> , 2017 , 96, | 3.3 | 13 |
| 126 | Orthogonal spin arrangement as possible ground state of three-dimensional Shastry-Sutherland network in $\text{Ba}_3\text{Cu}_3\text{In}_4\text{O}_{12}$. <i>Physical Review B</i> , 2012 , 85, | 3.3 | 13 |
| 125 | Structural modulations in $\text{Sr}_{14}\text{Cu}_{24}\text{O}_{41}$ and their relation to charge ordering. <i>Physical Review B</i> , 2006 , 73, | 3.3 | 13 |
| 124 | Magnetization of hole-doped CuO_2 spin chains in $\text{Sr}_{14-x}\text{Ca}_x\text{Cu}_{24}\text{O}_{41}$. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 13 |
| 123 | Magnetic anisotropy and ferromagnetic correlations above the Curie temperature in Eu_2CuSi_3 single crystals. <i>Physical Review B</i> , 2010 , 82, | 3.3 | 12 |
| 122 | Unusual field dependence of remanent magnetization in granular CrO_2 : the possible relevance of piezomagnetism. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 096005 | 1.8 | 12 |
| 121 | Field dependence of colossal magnetoresistance in magnetic fields up to 50T. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 416-419 | 2.8 | 12 |
| 120 | AMnXO Family (A = Li, Na, Ag; X = Si, Ge): Structural and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017 , 56, 14023-14039 | 5.1 | 11 |
| 119 | Hydrothermal microwave-assisted synthesis of Li_3VO_4 as an anode for lithium-ion battery. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 2205-2212 | 2.6 | 11 |
| 118 | Microwave-assisted hydrothermal synthesis of $\text{NH}_4\text{V}_3\text{O}_8$ microcrystals with controllable morphology. <i>Materials Research Bulletin</i> , 2016 , 83, 225-229 | 5.1 | 11 |
| 117 | Microwave-assisted hydrothermal synthesis and electrochemical studies of α - and β - MoO_3 . <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 3651-3661 | 2.6 | 11 |
| 116 | Barium vanadium silicate BaVSi_2O_7 : A t_{2g} counterpart of the Han purple compound. <i>Physical Review B</i> , 2013 , 87, | 3.3 | 11 |
| 115 | Coupling of Li motion and structural distortions in olivine LiMnPO_4 from ^7Li and ^31P NMR. <i>Physical Review B</i> , 2013 , 88, | 3.3 | 11 |
| 114 | Magnetic and specific heat properties of $\text{YFe}_3(\text{BO}_3)_4$ and $\text{ErFe}_3(\text{BO}_3)_4$. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 116006 | 1.8 | 11 |
| 113 | A nanoscaled contactless thermometer for biological systems. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 4092-4096 | 1.3 | 11 |

| | | | |
|-----|--|------|----|
| 112 | Quenched charge disorder in CuO ₂ spin chains: Experimental and numerical studies. <i>Physical Review B</i> , 2006 , 73, | 3.3 | 11 |
| 111 | Sol-gel synthesis of Li ₃ VO ₄ /C composites as anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 853, 157364 | 5.7 | 11 |
| 110 | TiO ₂ /C nanocomposites prepared by thermal annealing of titanium glycerolate as anode materials for lithium-ion batteries. <i>Journal of Materials Science</i> , 2018 , 53, 12244-12253 | 4.3 | 11 |
| 109 | Correlation of Structural and Magnetic Properties in a Set of Mononuclear Lanthanide Complexes. <i>Chemistry - A European Journal</i> , 2018 , 24, 5319-5330 | 4.8 | 10 |
| 108 | The filling of carbon nanotubes with magnetoelectric Cr ₂ O ₃ . <i>Carbon</i> , 2012 , 50, 1706-1709 | 10.4 | 10 |
| 107 | Structure and electronic properties of Li-doped vanadium oxide nanotubes. <i>Journal of Chemical Physics</i> , 2008 , 128, 224701 | 3.9 | 10 |
| 106 | High-field ESR studies of the quantum spin magnet CaCu ₂ O ₃ . <i>New Journal of Physics</i> , 2006 , 8, 74-74 | 2.9 | 10 |
| 105 | Hollow carbon spheres loaded with uniform dispersion of copper oxide nanoparticles for anode in lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 853, 156700 | 5.7 | 10 |
| 104 | Unusual spin fluctuations and magnetic frustration in olivine and non-olivine LiCoPO ₄ detected by P31 and Li7 nuclear magnetic resonance. <i>Physical Review B</i> , 2014 , 89, | 3.3 | 9 |
| 103 | Microwave-assisted hydrothermal synthesis of low-temperature LiCoO ₂ . <i>Solid State Sciences</i> , 2012 , 14, 941-947 | 3.4 | 9 |
| 102 | Single crystal growth of Eu ₂ CuSi ₃ intermetallic compound by the floating-zone method. <i>Journal of Crystal Growth</i> , 2011 , 318, 1009-1012 | 1.6 | 9 |
| 101 | Thermal expansion of RFeAsO (R=La,Ce,Pr,Sm,Gd). <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012088, | 3.3 | 9 |
| 100 | Pr magnetism and its interplay with the Fe spin-density wave in PrFeAsO _{1-x} F _x (x=0,0.15). <i>Physical Review B</i> , 2012 , 86, | 3.3 | 9 |
| 99 | High-temperature ferromagnetism of Li-doped vanadium oxide nanotubes. <i>Europhysics Letters</i> , 2009 , 88, 57002 | 1.6 | 9 |
| 98 | CARBON COATED NANOMAGNETS AS POTENTIAL HYPERTHERMIA AGENTS. <i>Journal of Urology</i> , 2008 , 179, 392-393 | 2.5 | 9 |
| 97 | [SrF _{0.8} (OH) _{0.2}] ₂ .526[Mn ₆ O ₁₂]: Columnar Rock-Salt Fragments Inside the Todorokite-Type Tunnel Structure. <i>Chemistry of Materials</i> , 2007 , 19, 1181-1189 | 9.6 | 9 |
| 96 | Ultrathin NiO confined within hollow carbon sphere for efficient electrochemical energy storage. <i>Journal of Alloys and Compounds</i> , 2019 , 797, 702-709 | 5.7 | 8 |
| 95 | Structural, magnetic, and electrochemical properties of LiMn _{1-x} Ni _x PO ₄ . <i>Materials Research Bulletin</i> , 2015 , 63, 6-12 | 5.1 | 8 |

| | | | |
|----|---|-----|---|
| 94 | Filled Carbon Nanotubes as Anode Materials for Lithium-Ion Batteries. <i>Molecules</i> , 2020 , 25, | 4.8 | 8 |
| 93 | The effect of process parameters on floating zone crystal growth of selected cuprates. <i>Journal of Crystal Growth</i> , 2014 , 401, 596-600 | 1.6 | 8 |
| 92 | Thermodynamic studies on single-crystalline Gd ₂ BaNiO ₅ . <i>Physical Review B</i> , 2012 , 85, | 3.3 | 8 |
| 91 | Synthesis, characterization and magnetic properties of hexagonal (VO) _{0.09} V _{0.18} Mo _{0.82} O ₃ ·0.54H ₂ O microrods. <i>Materials Letters</i> , 2011 , 65, 579-582 | 3.3 | 8 |
| 90 | Interface-driven magnetoelectric effects in granular CrO ₂ . <i>Europhysics Letters</i> , 2010 , 91, 17006 | 1.6 | 8 |
| 89 | The first pentagonal-bipyramidal vanadium(III) complexes with a Schiff-base NO pentadentate ligand: synthesis, structure and magnetic properties. <i>Dalton Transactions</i> , 2020 , 49, 15287-15298 | 4.3 | 8 |
| 88 | Magnetoelastic coupling and phases in the skyrmion lattice magnet Gd ₂ PdSi ₃ discovered by high-resolution dilatometry. <i>Physical Review B</i> , 2021 , 103, | 3.3 | 8 |
| 87 | Magnetic phase diagram and magnetoelastic coupling of NiTiO ₃ . <i>Physical Review B</i> , 2020 , 101, | 3.3 | 7 |
| 86 | 1/3 magnetization plateau and frustrated ferrimagnetism in a sodium iron phosphite. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 7 |
| 85 | Tuneable magnetic properties of carbon-shielded NiPt-nanoalloys. <i>RSC Advances</i> , 2016 , 6, 52427-52433 | 3.7 | 7 |
| 84 | Magnetic properties of high-pressure optical floating-zone grown LaNiO ₃ single crystals. <i>Journal of Crystal Growth</i> , 2019 , 524, 125157 | 1.6 | 7 |
| 83 | Growth, characterization, and magnetic properties of a Li(Mn,Ni)PO ₄ single crystal. <i>Journal of Crystal Growth</i> , 2014 , 386, 16-21 | 1.6 | 7 |
| 82 | Weak ferrimagnetism and multiple magnetization reversal in Er ₃ (PO ₄) ₂ . <i>Physical Review B</i> , 2012 , 85, | 3.3 | 7 |
| 81 | Static susceptibility and heat capacity studies on V ₃ O ₇ ·H ₂ O nanobelts. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 878-881 | 2.8 | 7 |
| 80 | Magnetism of low-doped spin chains in . <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 306-309 | 2.8 | 7 |
| 79 | Magnetic anisotropy and the phase diagram of chiral MnSb ₂ O ₆ . <i>Physical Review B</i> , 2016 , 94, | 3.3 | 7 |
| 78 | Single-crystalline FeCo nanoparticle-filled carbon nanotubes: synthesis, structural characterization and magnetic properties. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 1024-1034 | 3 | 7 |
| 77 | Chemisorption of exchange-coupled [Ni ₂ L(dppba)] ⁺ complexes on gold by using ambidentate 4-(diphenylphosphino)benzoate co-ligands. <i>Chemistry - A European Journal</i> , 2013 , 19, 7787-801 | 4.8 | 6 |

| | | | |
|----|--|------|---|
| 76 | Carbon nanotube synthesis via ceramic catalysts. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2486-2489 | 3.4 | 6 |
| 75 | Self-flux growth of large EuCu ₂ Si ₂ single crystals. <i>Journal of Crystal Growth</i> , 2011 , 318, 1043-1047 | 1.6 | 6 |
| 74 | Pressure-induced melting of the orbital polaron lattice in La _{1-x} Sr _x MnO ₃ . <i>Physical Review B</i> , 2006 , 73, | 3.3 | 6 |
| 73 | Temperature driven orbital redistribution in LaSrMnO. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 944-947 | 2.8 | 6 |
| 72 | Structure-property correlation in stabilizing axial magnetic anisotropy in octahedral Co(II) complexes. <i>Cell Reports Physical Science</i> , 2021 , 2, 100404 | 6.1 | 6 |
| 71 | A carbon-nanotube based nano-furnace for in-situ restructuring of a magnetoelectric oxide. <i>Carbon</i> , 2017 , 114, 291-300 | 10.4 | 5 |
| 70 | High-pressure optical floating-zone growth of Li ₂ FeSiO ₄ single crystals. <i>Journal of Crystal Growth</i> , 2019 , 515, 37-43 | 1.6 | 5 |
| 69 | Nematicity in LaFeAsO _{1-x} F _x . <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1600214 | 1.3 | 5 |
| 68 | Excited and ground state properties of LaSrMnO ₄ : A combined x-ray spectroscopic study. <i>Physical Review B</i> , 2006 , 74, | 3.3 | 5 |
| 67 | MoO ₂ /C composites prepared by tartaric acid and glucose-assisted sol-gel processes as anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158353 | 5.7 | 5 |
| 66 | Mn ₃ O ₄ encapsulated in hollow carbon spheres coated by graphene layer for enhanced magnetization and lithium-ion batteries performance. <i>Energy</i> , 2021 , 217, 119399 | 7.9 | 5 |
| 65 | Tri- (M = CuII) and hexanuclear (M = NiII, CoII) heterometallic coordination compounds with ferrocene monocarboxylate ligands: Solid-state structures and thermogravimetric, electrochemical and magnetic properties. <i>Polyhedron</i> , 2017 , 138, 185-193 | 2.7 | 4 |
| 64 | Anisotropic ionic conductivity of LiMn _{1-x} Fe _x PO ₄ (0 ≤ x ≤ 1) single crystals. <i>Solid State Ionics</i> , 2020 , 346, 115197 | 3.3 | 4 |
| 63 | Unusual magnetotransport properties in a FeAs single crystal. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 4 |
| 62 | Single crystal growth of the ErPd ₂ Si ₂ intermetallic compound. <i>Journal of Crystal Growth</i> , 2014 , 401, 601-604 | 6.0 | 4 |
| 61 | Oxide catalysts for carbon nanotube and few layer graphene formation. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2530-2533 | 1.3 | 4 |
| 60 | Long-range magnetic order in copper nitrate monohydrate Cu(NO ₃) ₂ · H ₂ O. <i>JETP Letters</i> , 2009 , 89, 88-91. | 2 | 4 |
| 59 | On the Formation of Single-Walled Carbon Nanotubes in Pulsed-Laser-Assisted Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2008 , 20, 128-134 | 9.6 | 4 |

| | | | |
|----|--|-----|---|
| 58 | Microwave absorption in the singlet paramagnet HoVO ₄ in high pulsed magnetic fields up to 40T. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 318, 1-7 | 2.8 | 4 |
| 57 | Interplay between the valence phase transition and Kondo behavior in Yb _{1-x} La _x InCu ₄ and Yb _{1-x} Ce _x InCu ₄ probed by the specific heat. <i>Physical Review B</i> , 2007 , 76, | 3.3 | 4 |
| 56 | Magnetism of a novel tetranuclear nickel(II) cluster in strong magnetic fields. <i>Journal of Physics: Conference Series</i> , 2006 , 51, 351-354 | 0.3 | 4 |
| 55 | Comment on Oxygen vacancy-induced magnetic moment in edge-sharing CuO ₂ chains of Li ₂ CuO ₂ <i>New Journal of Physics</i> , 2018 , 20, 058001 | 2.9 | 4 |
| 54 | Synthesis, growth mechanism, and morphology control of LiFe _{1/3} Mn _{1/3} Co _{1/3} PO ₄ via a microwave-assisted hydrothermal method. <i>Journal of Materials Research</i> , 2015 , 30, 914-923 | 2.5 | 3 |
| 53 | Magnetoelastic coupling and ferromagnetic-type in-gap spin excitations in multiferroic HfCu ₂ V ₂ O ₇ . <i>New Journal of Physics</i> , 2018 , 20, 063045 | 2.9 | 3 |
| 52 | Behavior of the magnetic subsystems in Nd ₂ BaNiO ₅ . <i>Journal of Experimental and Theoretical Physics</i> , 2014 , 118, 611-620 | 1 | 3 |
| 51 | Gd ³⁺ electron spin resonance spectroscopy on LaO _{1-x} F _x FeAs superconductors. <i>Journal of Experimental and Theoretical Physics</i> , 2012 , 114, 662-670 | 1 | 3 |
| 50 | Carbon Nanotubes Filled with Carboplatin: Towards Carbon Nanotube-Supported Delivery of Chemotherapeutic Agents 2011 , 247-258 | | 3 |
| 49 | Effect of rotation of feed and seed rods on the quality of Na _{0.75} CoO ₂ single crystal grown by traveling solvent floating zone method. <i>Materials Research Bulletin</i> , 2011 , 46, 675-681 | 5.1 | 3 |
| 48 | Calorimetric study of the superconducting and normal state properties of Ca(Fe _{1-x} Co _x) ₂ As ₂ . <i>Journal of Physics: Conference Series</i> , 2012 , 391, 012120 | 0.3 | 3 |
| 47 | Anisotropic magnetic moments in. <i>Physica B: Condensed Matter</i> , 2006 , 374-375, 83-86 | 2.8 | 3 |
| 46 | Nematicity and structure in LaFe _{1-x} Co _x AsO. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 482, 50-53 | 2.8 | 2 |
| 45 | Structural and physical properties of trilayer nickelates R ₄ Ni ₃ O ₁₀ (R=La, Pr, and Nd). <i>Physical Review B</i> , 2020 , 102, | 3.3 | 2 |
| 44 | Electronic structure and magnetic properties of the strong-rung spin-1 ladder compound Rb ₃ Ni ₂ (NO ₃) ₇ . <i>Physical Review B</i> , 2018 , 97, | 3.3 | 2 |
| 43 | Specific Heat of K _{0.71} Na _{0.29} Fe _{2} As _{2} at Very Low Temperatures. <i>Journal of Low Temperature Physics</i> , 2014 , 175, 755-763 | 1.3 | 2 |
| 42 | Spin-State Transition, Magnetism and Local Crystal Structure in Eu _{1-x} Ca _x CoO ₃ - <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 044714 | 1.5 | 2 |
| 41 | Progress in the theoretical description of a strongly frustrated edge-shared model chain cuprate: Li ₂ CuO ₂ . <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012028 | 0.3 | 2 |

| | | | |
|----|--|-----|---|
| 40 | Intersite Coulomb interactions in edge-shared CuO ₂ chains: Optics and EELS. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S84-S85 | 1.3 | 2 |
| 39 | Publisher's Note: High-Field Pauli-Limiting Behavior and Strongly Enhanced Upper Critical Magnetic Fields near the Transition Temperature of the Arsenic-Deficient LaO _{0.9} FeO _{1.1} FeAs _{1-x} Superconductor [Phys. Rev. Lett. 101, 237003 (2008)]. <i>Physical Review Letters</i> , 2008 , 101, | 7.4 | 2 |
| 38 | Specific heat of clustered low dimensional magnetic systems. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 446203 | 1.8 | 2 |
| 37 | Electronic structure of LaSrMnO ₄ : X-ray photoelectron spectroscopy and x-ray emission spectroscopy studies. <i>Journal of Applied Physics</i> , 2006 , 99, 08Q308 | 2.5 | 2 |
| 36 | Charge order and dimer formation in the Cu (S=1/2) spin chains of Sr ₁₃ LaCu ₂₄ O ₄₁ . <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 338-340 | 2.8 | 2 |
| 35 | Molecular magnetic properties of a dysprosium(III) complex coordinated to a nonadentate bispidine ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 843-849 | 1.3 | 2 |
| 34 | V ₂ O ₃ /C composite fabricated by carboxylic acid-assisted sol-gel synthesis as anode material for lithium-ion batteries. <i>Journal of Sol-Gel Science and Technology</i> , 2021 , 98, 549-558 | 2.3 | 2 |
| 33 | Magnetostructural coupling in ilmenite-type NiTiO ₃ . <i>Physical Review B</i> , 2021 , 103, | 3.3 | 2 |
| 32 | Validation of Ab-Initio-Predicted Magnetic Anisotropies and Magneto-structural Correlations in Linear Hetero-trinuclear Dy -Ni Compounds. <i>Chemistry - A European Journal</i> , 2021 , 27, 9372-9382 | 4.8 | 2 |
| 31 | A new polymorph of NH ₄ V ₃ O ₇ : Synthesis, structure, magnetic and electrochemical properties. <i>Solid State Sciences</i> , 2016 , 61, 225-231 | 3.4 | 2 |
| 30 | Synthesis and magnetism of a Li ₂ FeSiO ₄ single crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 477, 1-3 | 2.8 | 2 |
| 29 | Challenges in the crystal growth of Li ₂ FeSiO ₄ . <i>Journal of Crystal Growth</i> , 2021 , 556, 125995 | 1.6 | 2 |
| 28 | High Field Level Crossing Studies on Spin Dimers in the Low Dimensional Quantum Spin System Na ₂ T ₂ (C ₂ O ₂) ₃ (H ₂ O) ₂ with T = Ni, Co, Fe, Mn. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2008 , 97-124 | 0.2 | 2 |
| 27 | The Complex Electronic Phase Diagram of Single-Crystalline R ₂ PdSi ₃ (R = Ho, Dy) Studied by Thermal Expansion and Magnetostriction. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 094709 | 1.5 | 1 |
| 26 | The decisive role of magnetic anisotropy in honeycomb layered Li ₃ Ni ₂ SbO ₆ and Na ₃ Ni ₂ SbO ₆ . <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 481, 100-103 | 2.8 | 1 |
| 25 | Thermodynamic and resonant properties of mixed spin compounds ACuFe ₂ (VO ₄) ₃ (A = Li, Na). <i>Journal of Alloys and Compounds</i> , 2020 , 842, 155763 | 5.7 | 1 |
| 24 | Magnetism and the phase diagram of MnSb ₂ O ₆ . <i>Physical Review B</i> , 2018 , 97, | 3.3 | 1 |
| 23 | High magnetic field phase diagram and failure of the magnetic Grüneisen scaling in LiFePO ₄ . <i>Physical Review B</i> , 2019 , 99, | 3.3 | 1 |

| | | | |
|----|--|-----|---|
| 22 | Feasibility of Magnetically Functionalised Carbon Nanotubes for Biological Applications: From Fundamental Properties of Individual Nanomagnets to Nanoscaled Heaters and Temperature Sensors 2011 , 97-124 | | 1 |
| 21 | Thermometry on the nanometre-scale for biomedical applications using NMR spectroscopy. <i>International Journal of Biomedical Nanoscience and Nanotechnology</i> , 2011 , 2, 99 | 0.2 | 1 |
| 20 | Microwave absorption study of polycrystalline SmO _{1-x} F _x FeAs. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012154 | 0.3 | 1 |
| 19 | Upper critical fields up to 60 T and the vortex matter phase diagram of arsenic-deficient LaO _{0.9} F _{0.1} FeAs _{1-x} . <i>Journal of Physics: Conference Series</i> , 2010 , 234, 012013 | 0.3 | 1 |
| 18 | High Field ESR Study of the New Low Dimensional S=1/2 System: Cu(NO ₃) ₂ ·H ₂ O. <i>Journal of Low Temperature Physics</i> , 2010 , 159, 96-100 | 1.3 | 1 |
| 17 | The low-dimensional spin magnet CaCu ₂ O ₃ probed by high-field ESR. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 1251-1253 | 2.8 | 1 |
| 16 | Correlated magnetism in low-doped manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 940-943 | 2.8 | 1 |
| 15 | Magnetic behavior of the novel pentagonal-bipyramidal erbium(III) complex (EtNH)[Er(HDAPS)Cl]: high-frequency EPR study and crystal-field analysis. <i>Dalton Transactions</i> , 2021 , | 4.3 | 1 |
| 14 | Novel synthesis and electrochemical investigations of ZnO/C composites for lithium-ion batteries. <i>Journal of Materials Science</i> , 2021 , 56, 13227 | 4.3 | 1 |
| 13 | Magnetic phase diagram, magnetoelastic coupling, and Gr̄eisen scaling in CoTiO ₃ . <i>Physical Review B</i> , 2021 , 104, | 3.3 | 1 |
| 12 | Synthesis, Optical, Magnetic and Thermodynamic Properties of Rocksalt Li _{1.3} Nb _{0.3} Mn _{0.4} O ₂ Cathode Material for Li-Ion Batteries. <i>Crystals</i> , 2021 , 11, 825 | 2.3 | 1 |
| 11 | High-frequency EPR study on Cu ₄ Cu- and Co ₄ Co-metallacrown complexes. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 477, 340-343 | 2.8 | 1 |
| 10 | Quasi-1D XY antiferromagnet SrNi(SeO)Cl at Sakai-Takahashi phase diagram. <i>Scientific Reports</i> , 2021 , 11, 15002 | 4.9 | 1 |
| 9 | A high-frequency EPR study of magnetic anisotropy and intermolecular interactions of Co(II) ions. <i>Polyhedron</i> , 2021 , 208, 115389 | 2.7 | 1 |
| 8 | Linear magnetoelastic coupling and magnetic phase diagrams of the buckled-kagom̄ antiferromagnet [Formula: see text].. <i>Scientific Reports</i> , 2022 , 12, 7383 | 4.9 | 1 |
| 7 | Few-Layer SrRu ₂ O ₆ Nanosheets as Non-Van der Waals Honeycomb Antiferromagnets: Implications for Two-Dimensional Spintronics. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9313-9321 | 5.6 | 0 |
| 6 | Hierarchically structured V ₂ O ₃ /C microspheres: Synthesis, characterization, and their electrochemical properties. <i>Electrochimica Acta</i> , 2021 , 390, 138881 | 6.7 | 0 |
| 5 | High-Field ESR and Magnetization Study of a Novel Macrocyclic Chelate Trinuclear Ni(II) Complex. <i>Journal of Low Temperature Physics</i> , 2010 , 159, 84-87 | 1.3 | |

- 4 High Field ESR Spectroscopy on $\text{GdO}_1 \times \text{F} \times \text{FeAs}$. *Journal of Low Temperature Physics*, **2010**, 159, 172-175_{1.3}
- 3 Magnetization of undoped 2-leg . *Physica C: Superconductivity and Its Applications*, **2007**, 460-462, 464-465₃
- 2 Revisiting and modeling the magnetism of hole-doped CuO_2 spin chains in $\text{Sr}_{14-x}\text{Ca}_x\text{Cu}_{24}\text{O}_{41}$. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, e397-e399 2.8
- 1 Coexistence of the magnetically ordered and Haldane states in $(\text{Y}_{1-x}\text{Nd}_x)_2\text{BaNiO}_5$. *EPJ Web of Conferences*, **2018**, 185, 03003 0.3