

Rdiger Klingeler

List of Publications by Year in Descending Order

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

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 | Linear magnetoelastic coupling and magnetic phase diagrams of the buckled-kagom \square antiferromagnet [Formula: see text].. <i>Scientific Reports</i> , 2022 , 12, 7383 | 4.9 | 1 |
| 254 | 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 |
| 253 | 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 |
| 252 | V2O3/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 |
| 251 | 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 |
| 250 | Magnetostructural coupling in ilmenite-type NiTiO3. <i>Physical Review B</i> , 2021 , 103, | 3.3 | 2 |
| 249 | Magnetoelastic coupling and phases in the skyrmion lattice magnet Gd2PdSi3 discovered by high-resolution dilatometry. <i>Physical Review B</i> , 2021 , 103, | 3.3 | 8 |
| 248 | 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 |
| 247 | 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 |
| 246 | MoO2/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 |
| 245 | Magnetic phase diagram, magnetoelastic coupling, and Gr \ddot{u} neisen scaling in CoTiO3. <i>Physical Review B</i> , 2021 , 104, | 3.3 | 1 |
| 244 | Synthesis, Optical, Magnetic and Thermodynamic Properties of Rocksalt Li1.3Nb0.3Mn0.4O2 Cathode Material for Li-Ion Batteries. <i>Crystals</i> , 2021 , 11, 825 | 2.3 | 1 |
| 243 | Sol-gel synthesis of Li3VO4/C composites as anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 853, 157364 | 5.7 | 11 |
| 242 | Mn3O4 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 |
| 241 | Challenges in the crystal growth of Li2FeSiO4. <i>Journal of Crystal Growth</i> , 2021 , 556, 125995 | 1.6 | 2 |
| 240 | 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 |
| 239 | Quasi-1D XY antiferromagnet SrNi(SeO)Cl at Sakai-Takahashi phase diagram. <i>Scientific Reports</i> , 2021 , 11, 15002 | 4.9 | 1 |

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| 238 | Few-Layer SrRu2O6 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 |
| 237 | Hierarchically structured V2O3/C microspheres: Synthesis, characterization, and their electrochemical properties. <i>Electrochimica Acta</i> , 2021 , 390, 138881 | 6.7 | 0 |
| 236 | A high-frequency EPR study of magnetic anisotropy and intermolecular interactions of Co(II) ions. <i>Polyhedron</i> , 2021 , 208, 115389 | 2.7 | 1 |
| 235 | Structural and physical properties of trilayer nickelates R4Ni3O10 (R=La, Pr, and Nd). <i>Physical Review B</i> , 2020 , 102, | 3.3 | 2 |
| 234 | Magnetic phase diagram and magnetoelastic coupling of NiTiO3. <i>Physical Review B</i> , 2020 , 101, | 3.3 | 7 |
| 233 | Thermodynamic and resonant properties of mixed spin compounds ACuFe2(VO4)3 (A = Li, Na). <i>Journal of Alloys and Compounds</i> , 2020 , 842, 155763 | 5.7 | 1 |
| 232 | Filled Carbon Nanotubes as Anode Materials for Lithium-Ion Batteries. <i>Molecules</i> , 2020 , 25, | 4.8 | 8 |
| 231 | Anisotropic ionic conductivity of LiMn1/2Fe1/2PO4 (0 < x < 1) single crystals. <i>Solid State Ionics</i> , 2020 , 346, 115197 | 3.3 | 4 |
| 230 | CoFe2O4-filled carbon nanotubes as anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 834, 155018 | 5.7 | 21 |
| 229 | 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 |
| 228 | The Complex Electronic Phase Diagram of Single-Crystalline R2PdSi3 (R = Ho, Dy) Studied by Thermal Expansion and Magnetostriction. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 094709 | 1.5 | 1 |
| 227 | Hydrothermal microwave-assisted synthesis of Li3VO4 as an anode for lithium-ion battery. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 2205-2212 | 2.6 | 11 |
| 226 | 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 |
| 225 | Hetero-layered MoS2/C composites enabling ultrafast and durable Na storage. <i>Energy Storage Materials</i> , 2019 , 21, 115-123 | 19.4 | 24 |
| 224 | 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 |
| 223 | Hierarchical MoS2/carbon porous nanorods towards atomic interfacial engineering for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7553-7564 | 13 | 20 |
| 222 | High-pressure optical floating-zone growth of Li2FeSiO4 single crystals. <i>Journal of Crystal Growth</i> , 2019 , 515, 37-43 | 1.6 | 5 |
| 221 | The decisive role of magnetic anisotropy in honeycomb layered Li3Ni2SbO6 and Na3Ni2SbO6. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 481, 100-103 | 2.8 | 1 |

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|-----|--|-----|----|
| 220 | Nematicity and structure in LaFe _{1-x} CoxAsO. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 482, 50-53 | 2.8 | 2 |
| 219 | 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 |
| 218 | 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 |
| 217 | 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 |
| 216 | From polystyrene waste to porous carbon flake and potential application in supercapacitor. <i>Waste Management</i> , 2019 , 85, 333-340 | 8.6 | 41 |
| 215 | 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 |
| 214 | 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 |
| 213 | 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 |
| 212 | 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 |
| 211 | 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 |
| 210 | Magnetism and the phase diagram of MnSb ₂ O ₆ . <i>Physical Review B</i> , 2018 , 97, | 3.3 | 1 |
| 209 | Magnetoelastic coupling and ferromagnetic-type in-gap spin excitations in multiferroic β-Cu ₂ V ₂ O ₇ . <i>New Journal of Physics</i> , 2018 , 20, 063045 | 2.9 | 3 |
| 208 | Coexistence of the magnetically ordered and Haldane states in (Y _{1-x} Nd _x) ₂ BaNiO ₅ . <i>EPJ Web of Conferences</i> , 2018 , 185, 03003 | 0.3 | |
| 207 | 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 |
| 206 | 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 |
| 205 | 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 |
| 204 | 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 |
| 203 | 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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|-----|--|------|----|
| 202 | 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 |
| 201 | A carbon-nanotube based nano-furnace for in-situ restructuring of a magnetoelectric oxide. <i>Carbon</i> , 2017 , 114, 291-300 | 10.4 | 5 |
| 200 | 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 |
| 199 | AMnXO Family (A = Li, Na, Ag; X = Si, Ge): Structural and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017 , 56, 14023-14039 | 5.1 | 11 |
| 198 | Electrochemical Magnetization Switching and Energy Storage in Manganese Oxide filled Carbon Nanotubes. <i>Scientific Reports</i> , 2017 , 7, 13625 | 4.9 | 14 |
| 197 | Anisotropy-governed competition of magnetic phases in the honeycomb quantum magnet Na ₃ Ni ₂ SbO ₆ studied by dilatometry and high-frequency ESR. <i>Physical Review B</i> , 2017 , 95, | 3.3 | 13 |
| 196 | Zigzag spin structure in layered honeycomb Li ₃ Ni ₂ SbO ₆ : A combined diffraction and antiferromagnetic resonance study. <i>Physical Review B</i> , 2017 , 96, | 3.3 | 13 |
| 195 | Nematicity in LaFeAsO _{1-x} F _x . <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1600214 | 1.3 | 5 |
| 194 | 1/3 magnetization plateau and frustrated ferrimagnetism in a sodium iron phosphite. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 7 |
| 193 | Unusual magnetotransport properties in a FeAs single crystal. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 4 |
| 192 | Microwave-assisted hydrothermal synthesis of NH ₄ V ₃ O ₈ microcrystals with controllable morphology. <i>Materials Research Bulletin</i> , 2016 , 83, 225-229 | 5.1 | 11 |
| 191 | Tuneable magnetic properties of carbon-shielded NiPt-nanoalloys. <i>RSC Advances</i> , 2016 , 6, 52427-52433 | 3.7 | 7 |
| 190 | Hollow carbon sphere/metal oxide nanocomposites anodes for lithium-ion batteries. <i>Energy</i> , 2016 , 103, 100-106 | 7.9 | 24 |
| 189 | Magnetic anisotropy and the phase diagram of chiral MnSb ₂ O ₆ . <i>Physical Review B</i> , 2016 , 94, | 3.3 | 7 |
| 188 | Static and Dynamic Magnetic Response of Fragmented Haldane-like Spin Chains in Layered Li ₃ Cu ₂ SbO ₆ . <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 084702 | 1.5 | 14 |
| 187 | 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 |
| 186 | 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 |
| 185 | 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 |

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| 184 | Synthesis, growth mechanism, and morphology control of $\text{LiFe}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{PO}_4$ via a microwave-assisted hydrothermal method. <i>Journal of Materials Research</i> , 2015 , 30, 914-923 | 2.5 | 3 |
| 183 | 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 |
| 182 | Electrochemical performance of single crystal belt-like $\text{NH}_4\text{V}_3\text{O}_8$ as cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 174, 682-687 | 6.7 | 29 |
| 181 | Magnetic Interactions in a Series of Homodinuclear Lanthanide Complexes. <i>Inorganic Chemistry</i> , 2015 , 54, 11247-58 | 5.1 | 37 |
| 180 | Structural, magnetic, and electrochemical properties of $\text{LiMn}_{1-x}\text{Ni}_x\text{PO}_4$. <i>Materials Research Bulletin</i> , 2015 , 63, 6-12 | 5.1 | 8 |
| 179 | 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 |
| 178 | Unusual spin fluctuations and magnetic frustration in olivine and non-olivine LiCoPO_4 detected by ^3P and ^7Li nuclear magnetic resonance. <i>Physical Review B</i> , 2014 , 89, | 3.3 | 9 |
| 177 | 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 |
| 176 | Specific Heat of $\text{K}_{0.71}\text{Na}_{0.29}\text{Fe}_2\text{As}_2$ at Very Low Temperatures. <i>Journal of Low Temperature Physics</i> , 2014 , 175, 755-763 | 1.3 | 2 |
| 175 | Behavior of the magnetic subsystems in $\text{Nd}_2\text{BaNiO}_5$. <i>Journal of Experimental and Theoretical Physics</i> , 2014 , 118, 611-620 | 1 | 3 |
| 174 | Single crystal growth of the ErPd_2Si_2 intermetallic compound. <i>Journal of Crystal Growth</i> , 2014 , 401, 601-604 | 4 | 4 |
| 173 | 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 |
| 172 | Growth, characterization, and magnetic properties of a $\text{Li}(\text{Mn,Ni})\text{PO}_4$ single crystal. <i>Journal of Crystal Growth</i> , 2014 , 386, 16-21 | 1.6 | 7 |
| 171 | Chemisorption of exchange-coupled $[\text{Ni}_2\text{L}(\text{dppba})]^+$ complexes on gold by using ambidentate 4-(diphenylphosphino)benzoate co-ligands. <i>Chemistry - A European Journal</i> , 2013 , 19, 7787-801 | 4.8 | 6 |
| 170 | Few-layer graphene shells and nonmagnetic encapsulates: a versatile and nontoxic carbon nanomaterial. <i>ACS Nano</i> , 2013 , 7, 10552-62 | 16.7 | 40 |
| 169 | Evidence of d-wave superconductivity in $\text{K}_{1-x}\text{Na}_x\text{Fe}_2\text{As}_2$ ($x=0,0.1$) single crystals from low-temperature specific-heat measurements. <i>Physical Review B</i> , 2013 , 87, | 3.3 | 36 |
| 168 | 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 |
| 167 | Magnetic properties of quasi-one-dimensional antiferromagnets $(\text{Y}_1\text{Nd}_x)_2\text{BaNiO}_5$ ($x=1, 0.15$). <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 331, 133-139 | 2.8 | 20 |

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| 166 | Spin-State Transition, Magnetism and Local Crystal Structure in $\text{Eu}_{1-x}\text{Ca}_x\text{CoO}_3$ — <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 044714 | 1.5 | 2 |
| 165 | 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 |
| 164 | A new LiCoPO_4 polymorph via low temperature synthesis. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 28563 | 6.3 | 46 |
| 163 | Morphology and agglomeration control of LiMnPO_4 micro- and nanocrystals. <i>Langmuir</i> , 2013 , 29, 8054-60 | 6.0 | 29 |
| 162 | Barium vanadium silicate BaVS_2O_7 : A t_{2g} counterpart of the Han purple compound. <i>Physical Review B</i> , 2013 , 87, | 3.3 | 11 |
| 161 | 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 |
| 160 | Microwave-assisted hydrothermal synthesis of low-temperature LiCoO_2 . <i>Solid State Sciences</i> , 2012 , 14, 941-947 | 3.4 | 9 |
| 159 | Gd^{3+} electron spin resonance spectroscopy on $\text{LaO}_1 \times \text{F} \times \text{FeAs}$ superconductors. <i>Journal of Experimental and Theoretical Physics</i> , 2012 , 114, 662-670 | 1 | 3 |
| 158 | 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 |
| 157 | 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 |
| 156 | Anatase Nanotubes as an Electrode Material for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 8714-8720 | 3.8 | 65 |
| 155 | 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 |
| 154 | Monoclinic honeycomb-layered compound $\text{Li}_3\text{Ni}_2\text{SbO}_6$: preparation, crystal structure and magnetic properties. <i>Dalton Transactions</i> , 2012 , 41, 572-80 | 4.3 | 57 |
| 153 | Thermodynamic studies on single-crystalline $\text{Gd}_2\text{BaNiO}_5$. <i>Physical Review B</i> , 2012 , 85, | 3.3 | 8 |
| 152 | Magnetic silica nanotubes: synthesis, drug release, and feasibility for magnetic hyperthermia. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2303-9 | 9.5 | 55 |
| 151 | The filling of carbon nanotubes with magnetoelectric Cr_2O_3 . <i>Carbon</i> , 2012 , 50, 1706-1709 | 10.4 | 10 |
| 150 | Pr magnetism and its interplay with the Fe spin-density wave in $\text{PrFeAsO}_{1-x}\text{F}_x$ ($x=0,0.15$). <i>Physical Review B</i> , 2012 , 86, | 3.3 | 9 |
| 149 | Weak ferrimagnetism and multiple magnetization reversal in $\text{ECr}_3(\text{PO}_4)_2$. <i>Physical Review B</i> , 2012 , 85, | 3.3 | 7 |

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|-----|---|------|----|
| 148 | Calorimetric study of the superconducting and normal state properties of Ca(Fe _{1-x} Cox) ₂ As ₂ . <i>Journal of Physics: Conference Series</i> , 2012 , 391, 012120 | 0.3 | 3 |
| 147 | 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 |
| 146 | New dinuclear nickel(II) complexes: synthesis, structure, electrochemical, and magnetic properties. <i>Inorganic Chemistry</i> , 2011 , 50, 4553-8 | 5.1 | 34 |
| 145 | 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 |
| 144 | Carbon Nanotubes Filled with Carboplatin: Towards Carbon Nanotube-Supported Delivery of Chemotherapeutic Agents 2011 , 247-258 | | 3 |
| 143 | Saturation field of frustrated chain cuprates: broad regions of predominant interchain coupling. <i>Physical Review Letters</i> , 2011 , 107, 097201 | 7.4 | 29 |
| 142 | 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 |
| 141 | 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 |
| 140 | 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 |
| 139 | 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 |
| 138 | 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 |
| 137 | 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 |
| 136 | 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 |
| 135 | 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 |
| 134 | CCVD Synthesis of Carbon-Encapsulated Cobalt Nanoparticles for Biomedical Applications. <i>Advanced Functional Materials</i> , 2011 , 21, 3583-3588 | 15.6 | 38 |
| 133 | Carbon-nanotube-based stimuli-responsive controlled-release system. <i>Chemistry - A European Journal</i> , 2011 , 17, 4454-9 | 4.8 | 25 |
| 132 | Electrochemical Behavior and Magnetic Properties of Vanadium Oxide Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5265-5270 | 3.8 | 19 |
| 131 | Challenges in the crystal growth of Li ₂ CuO ₂ and LiMnPO ₄ . <i>Journal of Crystal Growth</i> , 2011 , 318, 995-999 | 1.6 | 16 |

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|-----|--|-----|----|
| 130 | Self-flux growth of large EuCu ₂ Si ₂ single crystals. <i>Journal of Crystal Growth</i> , 2011 , 318, 1043-1047 | 1.6 | 6 |
| 129 | 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 |
| 128 | Specific heat and angle-resolved photoemission spectroscopy study of the superconducting gaps in LiFeAs. <i>Physical Review B</i> , 2011 , 83, | 3.3 | 36 |
| 127 | High-field electron spin resonance spectroscopy study of GdFeAsO _{1-x} F _x superconductors. <i>Physical Review B</i> , 2011 , 83, | 3.3 | 18 |
| 126 | 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 |
| 125 | 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 |
| 124 | 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 |
| 123 | An individual iron nanowire-filled carbon nanotube probed by micro-Hall magnetometry. <i>Applied Physics Letters</i> , 2010 , 97, 212503 | 3.4 | 19 |
| 122 | Pinning effects in ceramic SmO _{1-x} F _x FeAs as revealed by microwave absorption. <i>Physical Review B</i> , 2010 , 81, | 3.3 | 18 |
| 121 | Crystal and magnetic structure of the oxypnictide superconductor LaFeAsO _{1-x} F _x : A neutron-diffraction study. <i>Physical Review B</i> , 2010 , 82, | 3.3 | 72 |
| 120 | Thermal expansion of RFeAsO (R=La,Ce,Pr,Sm,Gd). <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012088 | 3.3 | 9 |
| 119 | Magnetic properties of carbon nanotubes with and without catalyst. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 072061 | 0.3 | 23 |
| 118 | Weak superconducting pairing and a single isotropic energy gap in stoichiometric LiFeAs. <i>Physical Review Letters</i> , 2010 , 104, 187001 | 7.4 | 71 |
| 117 | Magnetic and specific heat properties of YFe ₃ (BO ₃) ₄ and ErFe ₃ (BO ₃) ₄ . <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 116006 | 1.8 | 11 |
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