

RÃ¼diger Klingeler

List of Publications by Year in descending order

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265
papers

7,786
citations

57719

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76872

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268
all docs

268
docs citations

268
times ranked

8202
citing authors

#	ARTICLE	IF	CITATIONS
1	Exotic magnetic and electronic properties of layered CrCl_3 single crystals under high pressure. <i>Physical Review B</i> , 2022, 105, .	1.9	11
2	Uniaxial pressure effects in the two-dimensional van der Waals ferromagnet $\text{Ho}_2\text{Zr}_2\text{O}_7$. <i>Physical Review B</i> , 2022, 105, .	0.7	0
3	Probing the Origin of Ferro-/Antiferromagnetic Exchange Interactions in $\text{Cu(II)}\text{d}^9$ Complexes. <i>Inorganic Chemistry</i> , 2022, , .	1.9	7
4	Field induced spin freezing and low temperature heat capacity of disordered pyrochlore oxide $\text{Ho}_2\text{Zr}_2\text{O}_7$. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 245801.	0.7	0
5	Role of Coordination Geometry on the Magnetic Relaxation Dynamics of Isomeric Five-Coordinate Low-Spin Co(II) Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 317-327.	1.9	7
6	Linear magnetoelastic coupling and magnetic phase diagrams of the buckled Kagomé antiferromagnet $\text{Cu}_3\text{Bi}(\text{SeO}_3)_2\text{O}_2\text{Cl}$. <i>Scientific Reports</i> , 2022, 12, 7383.	1.6	4
7	Strong effects of uniaxial pressure and short-range correlations in Cr_2O_3 . <i>Physical Review Research</i> , 2022, 4, .	2.3	18
8	Sol-gel synthesis of $\text{Li}_3\text{VO}_4/\text{C}$ composites as anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157364.	2.8	19
9	Mn_3O_4 encapsulated in hollow carbon spheres coated by graphene layer for enhanced magnetization and lithium-ion batteries performance. <i>Energy</i> , 2021, 217, 119399.	4.5	20
10	Challenges in the crystal growth of $\text{Li}_2\text{FeSiO}_4$. <i>Journal of Crystal Growth</i> , 2021, 556, 125995.	0.7	5
11	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.	2.8	29
12	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.	0.6	4
13	Magnetoelastic coupling and Gruber-Muller scaling in $\text{NdB}_4\text{O}_{13}$. <i>Physical Review B</i> , 2021, 103, .	1.1	9
14	$\text{V}_2\text{O}_3/\text{C}$ 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.	1.1	7
15	Structure-property correlation in stabilizing axial magnetic anisotropy in octahedral Co(II) complexes. <i>Cell Reports Physical Science</i> , 2021, 2, 100404.	2.8	23
16	Magnetostructural coupling in ilmenite-type NiTiO_3 . <i>Physical Review B</i> , 2021, 103, .	1.1	9
17	Magnetoelastic coupling and phases in the skyrmion lattice magnet Gd_2O_3 by high-resolution dilatometry. <i>Physical Review B</i> , 2021, 103, .	1.2	21
18	Validation of Ab Initio Predicted Magnetic Anisotropies and Magnetostructural Correlations in Linear Heterotrinary Dy III-Ni II_2 Compounds. <i>Chemistry - A European Journal</i> , 2021, 27, 9372-9382.	1.7	4

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19	Revisiting the phase diagram of $\text{LaFe}_2\text{CoAsO}_7$ in single crystals by thermodynamic methods. <i>Physical Review B</i> , 2021, 103, .		
20	Novel synthesis and electrochemical investigations of ZnO/C composites for lithium-ion batteries. <i>Journal of Materials Science</i> , 2021, 56, 13227.	1.7	17
21	Exceptional field dependence of antiferromagnetic magnons in LiFePO_4 . <i>Physical Review B</i> , 2021, 103, .	1.1	3
22	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.	2.8	16
23	Magnetic phase diagram, magnetoelastic coupling, and GrÄ¼neisen scaling in CoTiO_3 . <i>Physical Review B</i> , 2021, 104, .	1.1	8
24	Synthesis, Optical, Magnetic and Thermodynamic Properties of Rocksalt $\text{Li}_{1.3}\text{Nb}_{0.3}\text{Mn}_{0.4}\text{O}_2$ Cathode Material for Li-Ion Batteries. <i>Crystals</i> , 2021, 11, 825.	1.0	2
25	Quasi-1D XY antiferromagnet $\text{Sr}_2\text{Ni}(\text{SeO}_3)_2\text{Cl}_2$ at Sakai-Takahashi phase diagram. <i>Scientific Reports</i> , 2021, 11, 15002.	1.6	1
26	Few-Layer SrRu_2O_6 Nanosheets as Non-Van der Waals Honeycomb Antiferromagnets: Implications for Two-Dimensional Spintronics. <i>ACS Applied Nano Materials</i> , 2021, 4, 9313-9321.	2.4	5
27	Hierarchically structured $\text{V}_2\text{O}_3/\text{C}$ microspheres: Synthesis, characterization, and their electrochemical properties. <i>Electrochimica Acta</i> , 2021, 390, 138881.	2.6	10
28	A high-frequency EPR study of magnetic anisotropy and intermolecular interactions of Co(II) ions. <i>Polyhedron</i> , 2021, 208, 115389.	1.0	5
29	Magnetic behavior of the novel pentagonal-bipyramidal erbium(III) complex $(\text{Et}_3\text{NH})[\text{Er}(\text{H}_2\text{DAPS})\text{Cl}_2]$: high-frequency EPR study and crystal-field analysis. <i>Dalton Transactions</i> , 2021, 50, 18143-18154.	1.6	4
30	The first pentagonal-bipyramidal vanadium(III) complexes with a Schiff-base N_3O_2 pentadentate ligand: synthesis, structure and magnetic properties. <i>Dalton Transactions</i> , 2020, 49, 15287-15298.	1.6	16
31	R_4O_{10} Tj ETQq1 1.0.784314 rgBT / 1.1		
32	Magnetic phase diagram and magnetoelastic coupling of NiTiO_3 . <i>Physical Review B</i> , 2020, 101, .		
33	Thermodynamic and resonant properties of mixed spin compounds $\text{ACuFe}_2(\text{VO}_4)_3$ ($\text{A} = \text{Li, Na}$). <i>Journal of Alloys and Compounds</i> , 2020, 842, 155763.	2.8	2
34	Filled Carbon Nanotubes as Anode Materials for Lithium-Ion Batteries. <i>Molecules</i> , 2020, 25, 1064.	1.7	14
35	Anisotropic ionic conductivity of $\text{LiMn}_{1-x}\text{Fe}_x\text{PO}_4$ ($0 \leq x \leq 1$) single crystals. <i>Solid State Ionics</i> , 2020, 346, 115197.	1.3	9
36	CoFe_2O_4 -filled carbon nanotubes as anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155018.	2.8	35

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37	Antisite disorder in the battery material LiFePO_4 . Physical Review Materials, 2020, 4, .	0.9	3
38	Magnetic properties of high-pressure optical floating-zone grown LaNiO_3 single crystals. Journal of Crystal Growth, 2019, 524, 125157.	0.7	18
39	High magnetic field phase diagram and failure of the magnetic $\text{Gr}^{1/4}$ neisen scaling in LiFePO_4 . Physical Review B, 2019, 99, .	0.7	1
40	The Complex Electronic Phase Diagram of Single-Crystalline R_2PdSi_3 (R = Ho, Dy) Studied by Thermal Expansion and Magnetostriction. Journal of the Physical Society of Japan, 2019, 88, 094709.	0.7	1
41	Hydrothermal microwave-assisted synthesis of Li_3VO_4 as an anode for lithium-ion battery. Journal of Solid State Electrochemistry, 2019, 23, 2205-2212.	1.2	13
42	Influence of a Counteranion on the Zero-Field Splitting of Tetrahedral Cobalt(II) Thiourea Complexes. Inorganic Chemistry, 2019, 58, 9085-9100.	1.9	33
43	Hetero-layered MoS_2/C composites enabling ultrafast and durable Na storage. Energy Storage Materials, 2019, 21, 115-123.	9.5	46
44	Ultrathin NiO confined within hollow carbon sphere for efficient electrochemical energy storage. Journal of Alloys and Compounds, 2019, 797, 702-709.	2.8	14
45	Hierarchical MoS_2 "carbon porous nanorods towards atomic interfacial engineering for high-performance lithium storage. Journal of Materials Chemistry A, 2019, 7, 7553-7564.	5.2	31
46	High-pressure optical floating-zone growth of $\text{Li}_2\text{FeSiO}_4$ single crystals. Journal of Crystal Growth, 2019, 515, 37-43.	0.7	10
47	The decisive role of magnetic anisotropy in honeycomb layered $\text{Li}_3\text{Ni}_2\text{SbO}_6$ and $\text{Na}_3\text{Ni}_2\text{SbO}_6$. Journal of Magnetism and Magnetic Materials, 2019, 481, 100-103.	1.0	3
48	Nematicity and structure in $\text{LaFe}_{1-x}\text{Co}_x\text{AsO}$. Journal of Magnetism and Magnetic Materials, 2019, 482, 50-53.	1.0	5
49	Synthesis and magnetism of a $\text{Li}_2\text{FeSiO}_4$ single crystal. Journal of Magnetism and Magnetic Materials, 2019, 477, 1-3.	1.0	5
50	From polystyrene waste to porous carbon flake and potential application in supercapacitor. Waste Management, 2019, 85, 333-340.	3.7	80
51	High-frequency EPR study on Cu_4Cu - and Co_4Co -metallacrown complexes. Journal of Magnetism and Magnetic Materials, 2019, 477, 340-343.	1.0	2
52	Correlation of Structural and Magnetic Properties in a Set of Mononuclear Lanthanide Complexes. Chemistry - A European Journal, 2018, 24, 5319-5330.	1.7	21
53	Electronic structure and magnetic properties of the strong-rung spin-1 ladder compound $\text{Rb}_3\text{Ni}_2(\text{NO}_3)_7$. Physical Review B, 2018, 97, .	1.1	4
54	Facile synthesis N-doped hollow carbon spheres from spherical solid silica. Journal of Colloid and Interface Science, 2018, 511, 203-208.	5.0	16

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55	Coexistence of the magnetically ordered and Haldane states in $(Y_{1-x}Nd_x)_2BaNiO_5$. EPJ Web of Conferences, 2018, 185, 03003.	0.1	0
56	Single-crystalline FeCo nanoparticle-filled carbon nanotubes: synthesis, structural characterization and magnetic properties. Beilstein Journal of Nanotechnology, 2018, 9, 1024-1034.	1.5	11
57	Comment on "Oxygen vacancy-induced magnetic moment in edge-sharing CuO_2 chains of Li_2CuO_2 ". New Journal of Physics, 2018, 20, 058001.	1.2	8
58	TiO ₂ /C nanocomposites prepared by thermal annealing of titanium glycerolate as anode materials for lithium-ion batteries. Journal of Materials Science, 2018, 53, 12244-12253.	1.7	13
59	Microwave-assisted hydrothermal synthesis and electrochemical studies of δ - and ϵ -MoO ₃ . Journal of Solid State Electrochemistry, 2018, 22, 3651-3661.	1.2	19
60	Magnetism and the phase diagram of MnSb ₂ O ₆ . Physical Review B, 2018, 97, .	1.1	3
61	Magnetoelastic coupling and ferromagnetic-type in-gap spin excitations in multiferroic δ -Cu ₂ V ₂ O ₇ . New Journal of Physics, 2018, 20, 063045.	1.2	7
62	Preparation of hierarchical C@MoS ₂ @C sandwiched hollow spheres for lithium ion batteries. Journal of Materials Chemistry A, 2017, 5, 3987-3994.	5.2	81
63	High-pressure optical floating-zone growth of Li(Mn,Fe)PO ₄ single crystals. Journal of Crystal Growth, 2017, 462, 50-59.	0.7	25
64	A Three-Pronged Attack To Investigate the Electronic Structure of a Family of Ferromagnetic Fe_4Ln_2 Cyclic Coordination Clusters: A Combined Magnetic Susceptibility, High-Field/High-Frequency Electron Paramagnetic Resonance, and ^{57}Fe Mössbauer Study. Inorganic Chemistry, 2017, 56, 4796-4806.	1.9	41
65	A carbon-nanotube based nano-furnace for in-situ restructuring of a magnetoelectric oxide. Carbon, 2017, 114, 291-300.	5.4	5
66	Tri- (M = Cu II) and hexanuclear (M = Ni II, Co II) heterometallic coordination compounds with ferrocene monocarboxylate ligands: Solid-state structures and thermogravimetric, electrochemical and magnetic properties. Polyhedron, 2017, 138, 185-193.	1.0	4
67	A_2MnXO_4 Family (A = Li, Na, Ag; X = Si, Ge): Structural and Magnetic Properties. Inorganic Chemistry, 2017, 56, 14023-14039.	1.9	19
68	Electrochemical Magnetization Switching and Energy Storage in Manganese Oxide filled Carbon Nanotubes. Scientific Reports, 2017, 7, 13625.	1.6	16
69	Anisotropy-governed competition of magnetic phases in the honeycomb quantum magnet $Na_3Mn_3O_{10}$ studied by dilatometry and high-frequency ESR. Physical Review B, 2017, 95, .		
70	Zigzag spin structure in layered honeycomb $Li_3Mn_3O_{10}$	1.1	27
71	Nematicity in $LaFeAsO_{1-x}F_x$. Physica Status Solidi (B): Basic Research, 2017, 254, 1600214.	0.7	6
72	Magnetic anisotropy and the phase diagram of chiral $MnSb_{1-x}Mn_2$. Physical Review B, 2016, 94, .		

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73	Static and Dynamic Magnetic Response of Fragmented Haldane-like Spin Chains in Layered $\text{Li}_3\text{Cu}_2\text{SbO}_6$. Journal of the Physical Society of Japan, 2016, 85, 084702.	0.7	22
74	A new polymorph of $\text{NH}_4\text{V}_3\text{O}_7$: Synthesis, structure, magnetic and electrochemical properties. Solid State Sciences, 2016, 61, 225-231.	1.5	6
75	A facile synthesis method and electrochemical studies of a hierarchical structured MoS_2/C -nanocomposite. RSC Advances, 2016, 6, 76084-76092.	1.7	21
76	1/3 magnetization plateau and frustrated ferrimagnetism in a sodium iron phosphite. Physical Review B, 2016, 93, .	1.1	7
77	Unusual magnetotransport properties in a FeAs single crystal. Physical Review B, 2016, 93, .	1.1	4
78	Microwave-assisted hydrothermal synthesis of $\text{NH}_4\text{V}_3\text{O}_8$ microcrystals with controllable morphology. Materials Research Bulletin, 2016, 83, 225-229.	2.7	14
79	Tuneable magnetic properties of carbon-shielded NiPt-nanoalloys. RSC Advances, 2016, 6, 52427-52433.	1.7	9
80	Hollow carbon sphere/metal oxide nanocomposites anodes for lithium-ion batteries. Energy, 2016, 103, 100-106.	4.5	35
81	New Phase of MnSb_2O_6 Prepared by Ion Exchange: Structural, Magnetic, and Thermodynamic Properties. Inorganic Chemistry, 2015, 54, 1705-1711.	1.9	21
82	Carbon nanotubes decorated by mesoporous cobalt oxide as electrode material for lithium-ion batteries. Chemical Physics Letters, 2015, 635, 185-189.	1.2	21
83	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. Journal of Materials Research, 2015, 30, 914-923.	1.2	3
84	Morphology-controlled two-step synthesis and electrochemical studies on hierarchically structured LiCoPO_4 . Solid State Sciences, 2015, 48, 270-277.	1.5	24
85	Electrochemical performance of single crystal belt-like $\text{NH}_4\text{V}_3\text{O}_8$ as cathode material for lithium-ion batteries. Electrochimica Acta, 2015, 174, 682-687.	2.6	42
86	Magnetic Interactions in a Series of Homodinuclear Lanthanide Complexes. Inorganic Chemistry, 2015, 54, 11247-11258.	1.9	47
87	Structural, magnetic, and electrochemical properties of $\text{LiMn}_{1-x}\text{Ni}_x\text{PO}_4$. Materials Research Bulletin, 2015, 63, 6-12.	2.7	8
88	Growth, characterization, and magnetic properties of a $\text{Li}(\text{Mn},\text{Ni})\text{PO}_4$ single crystal. Journal of Crystal Growth, 2014, 386, 16-21.	0.7	8
89	Unusual spin fluctuations and magnetic frustration in olivine and non-olivine LiCoPO_4 detected by ^31P and ^7Li nuclear magnetic resonance. Physical Review B, 2014, 89, .	1.1	10
90	Synthesis and toxicity characterization of carbon coated iron oxide nanoparticles with highly defined size distributions. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 160-169.	1.1	38

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91	Specific Heat of $K_{0.71}Na_{0.29}Fe_2As_2$ at Very Low Temperatures. Journal of Low Temperature Physics, 2014, 175, 755-763.	0.6	2
92	Behavior of the magnetic subsystems in Nd ₂ BaNiO ₅ . Journal of Experimental and Theoretical Physics, 2014, 118, 611-620.	0.2	3
93	Single crystal growth of the ErPd ₂ Si ₂ intermetallic compound. Journal of Crystal Growth, 2014, 401, 601-604.	0.7	4
94	The effect of process parameters on floating zone crystal growth of selected cuprates. Journal of Crystal Growth, 2014, 401, 596-600.	0.7	8
95	Chemisorption of Exchange-Coupled [Ni ₂ L(dppba)] ⁺ Complexes on Gold by Using Ambidentate 4-(Diphenylphosphino)benzoate Ligands. Chemistry - A European Journal, 2013, 19, 7787-7801.	1.7	6
96	Few-Layer Graphene Shells and Nonmagnetic Encapsulates: A Versatile and Nontoxic Carbon Nanomaterial. ACS Nano, 2013, 7, 10552-10562.	7.3	46
97	Evidence of d-wave superconductivity in $K_{1-x}Na_x$ $FeAs_2$. Physical Review Letters, 2013, 111, 117001.	1.1	37
98	Morphology controlled NH ₄ V ₃ O ₈ microcrystals by hydrothermal synthesis. Dalton Transactions, 2013, 42, 4897.	1.6	48
99	Magnetic properties of quasi-one-dimensional antiferromagnets (Y _{1-x} Nd _x) ₂ BaNiO ₅ (x=1, 0.15). Journal of Magnetism and Magnetic Materials, 2013, 331, 133-139.	1.0	20
100	Spin-State Transition, Magnetism and Local Crystal Structure in Eu _{1-x} Ca _x CoO _{3-δ} . Journal of the Physical Society of Japan, 2013, 82, 044714.	0.7	4
101	A new layered triangular antiferromagnet Li ₄ FeSbO ₆ : spin order, field-induced transitions and anomalous critical behavior. Dalton Transactions, 2013, 42, 1550-1566.	1.6	49
102	A new LiCoPO ₄ polymorph via low temperature synthesis. Journal of Materials Chemistry A, 2013, 1, 2856.	5.2	48
103	Morphology and Agglomeration Control of LiMnPO ₄ Micro- and Nanocrystals. Langmuir, 2013, 29, 8054-8060.	1.6	31
104	Barium vanadium silicate BaVSi ₂ O ₇ : A new layered triangular antiferromagnet. Dalton Transactions, 2013, 42, 1550-1566.	1.1	12
105	Coupling of Li motion and structural distortions in olivine LiMnPO ₄ from ⁷ Li and ³¹ P NMR. Physical Review B, 2013, 88, 080401.	1.1	12
106	Pr magnetism and its interplay with the Fe spin-density wave in PrFeAsO. Physical Review Letters, 2013, 111, 117001.	1.1	12

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109	Superparamagnetic FeCo and FeNi Nanocomposites Dispersed in Submicrometer-Sized C Spheres. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22509-22517.	1.5	37
110	A Facile Route to Coat Iron Oxide Nanoparticles with Few-Layer Graphene. <i>Journal of Physical Chemistry C</i> , 2012, 116, 23749-23756.	1.5	25
111	Anatase Nanotubes as an Electrode Material for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8714-8720.	1.5	70
112	Orthogonal spin arrangement as possible ground state of three-dimensional Shastry-Sutherland network in Ba $\text{Cu}_3\text{Sb}_2\text{O}_{10}$. <i>Physical Review B</i> , 2012, 85, .	1.1	16
113	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, 572-580.	1.6	68
114	Thermodynamic studies on single-crystalline $\text{GdBa}_2\text{NiO}_5$. <i>Physical Review B</i> , 2012, 85, .	1.1	8
115	Magnetic Silica Nanotubes: Synthesis, Drug Release, and Feasibility for Magnetic Hyperthermia. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2303-2309.	4.0	61
116	The filling of carbon nanotubes with magnetoelectric Cr_2O_3 . <i>Carbon</i> , 2012, 50, 1706-1709.	5.4	13
117	Microwave-assisted hydrothermal synthesis of low-temperature LiCoO_2 . <i>Solid State Sciences</i> , 2012, 14, 941-947.	1.5	10
118	Gd^{3+} electron spin resonance spectroscopy on $\text{LaO}_{1-x}\text{F}_x\text{FeAs}$ superconductors. <i>Journal of Experimental and Theoretical Physics</i> , 2012, 114, 662-670.	0.2	3
119	Electrochemical Behavior and Magnetic Properties of Vanadium Oxide Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5265-5270.	1.5	19
120	Magnetic properties of the low-dimensional spin- $\frac{1}{2}$ magnet $\text{Cu}_2\text{Ni}_2\text{S}_2\text{O}_{10}$. <i>Physical Review B</i> , 2011, 84, .	1.1	23
121	New Dinuclear Nickel(II) Complexes: Synthesis, Structure, Electrochemical, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2011, 50, 4553-4558.	1.9	40
122	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
123	Carbon Nanotubes Filled with Carboplatin: Towards Carbon Nanotube-Supported Delivery of Chemotherapeutic Agents. <i>Carbon Nanostructures</i> , 2011, , 247-258.	0.1	4
124	Saturation Field of Frustrated Chain Cuprates: Broad Regions of Predominant Interchain Coupling. <i>Physical Review Letters</i> , 2011, 107, 097201.	2.9	36
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127	Thermometry on the nanometre-scale for biomedical applications using NMR spectroscopy. International Journal of Biomedical Nanoscience and Nanotechnology, 2011, 2, 99.	0.1	1
128	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. Materials Research Bulletin, 2011, 46, 675-681.	2.7	3
129	Synthesis, characterization and magnetic properties of hexagonal (VO) _{0.09} V _{0.18} Mo _{0.82} O ₃ ·0.54H ₂ O microrods. Materials Letters, 2011, 65, 579-582.	1.3	10
130	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. Journal of the American Chemical Society, 2011, 133, 3433-3443.	6.6	68
131	Synthesis, characterization, and photocatalytic properties of core/shell mesoporous silica nanospheres supporting nanocrystalline titania. Journal of Nanoparticle Research, 2011, 13, 5899-5908.	0.8	48
132	Single crystal growth of Eu ₂ CuSi ₃ intermetallic compound by the floating-zone method. Journal of Crystal Growth, 2011, 318, 1009-1012.	0.7	9
133	CCVD Synthesis of Carbon-Encapsulated Cobalt Nanoparticles for Biomedical Applications. Advanced Functional Materials, 2011, 21, 3583-3588.	7.8	39
134	Carbon-Nanotube-Based Stimuli-Responsive Controlled-Release System. Chemistry - A European Journal, 2011, 17, 4454-4459.	1.7	28
135	Challenges in the crystal growth of Li ₂ CuO ₂ and LiMnPO ₄ . Journal of Crystal Growth, 2011, 318, 995-999.	0.7	20
136	Self-flux growth of large EuCu ₂ Si ₂ single crystals. Journal of Crystal Growth, 2011, 318, 1043-1047.	0.7	6
137	Single crystal growth and physical properties of superconducting ferro-pnictides Ba(Fe, Co) ₂ As ₂ grown using self-flux and Bridgman techniques. Journal of Crystal Growth, 2011, 314, 341-348.	0.7	27
138	Specific heat and angle-resolved photoemission spectroscopy study of the superconducting gaps in LiFeAs. Physical Review B, 2011, 83, .	1.1	41
139	High-field electron spin resonance spectroscopy study of GdFeAsO		
140	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. Superconductor Science and Technology, 2011, 24, 015015.	1.8	40
141	Synthesis of carbon-encapsulated iron nanoparticles by pyrolysis of iron citrate and poly(vinyl) Tj ETQq1 1 0.784314.rgBT /Overlock 101	1.3	17
142	Progress in the theoretical description of a strongly frustrated edge-shared model chain cuprate: Li ₂ CuO ₂ . Journal of Physics: Conference Series, 2010, 200, 012028.	0.3	2
143	Microwave absorption study of polycrystalline SmO _{1-x} F _x FeAs. Journal of Physics: Conference Series, 2010, 200, 012154.	0.3	1
144	Upper critical fields up to 60 T and the vortex matter phase diagram of arsenic-deficient La _{0.9} F _{0.1} FeAs ₁ . Journal of Physics: Conference Series, 2010, 234, 012013.	0.3	1

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145	Thermodynamic properties and neutron diffraction studies of silver ferrite AgFeO ₂ . Journal of Physics Condensed Matter, 2010, 22, 016007.	0.7	22
146	High Field ESR Study of the New Low Dimensional S=1/2 System: Cu(NO ₃) ₂ ·xH ₂ O. Journal of Low Temperature Physics, 2010, 159, 96-100.	0.6	1
147	High-Field ESR and Magnetization Study of a Novel Macrocylic Chelate Trinuclear Ni(II) Complex. Journal of Low Temperature Physics, 2010, 159, 84-87.	0.6	0
148	High Field ESR Spectroscopy on GdO _{1-x} F _x FeAs. Journal of Low Temperature Physics, 2010, 159, 172-175.	0.6	0
149	Functionalization of carbon encapsulated iron nanoparticles. Journal of Nanoparticle Research, 2010, 12, 513-519.	0.8	29
150	Vanadium dioxide nanobelts: Hydrothermal synthesis and magnetic properties. Materials Research Bulletin, 2010, 45, 1118-1121.	2.7	18
151	Interplay of Magnetic Exchange Interactions and Ni-Si-Ni Bond Angles in Polynuclear Nickel(II) Complexes. ChemPhysChem, 2010, 11, 1961-1970.	1.0	22
152	Intersite Coulomb interactions in edge-shared CuO ₂ chains: Optics and EELS. Physica C: Superconductivity and Its Applications, 2010, 470, S84-S85.	0.6	3
153	Static susceptibility and heat capacity studies on V ₃ O ₇ ·H ₂ O nanobelts. Journal of Magnetism and Magnetic Materials, 2010, 322, 878-881.	1.0	10
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155	The formation of stacked-cup carbon nanotubes using chemical vapor deposition from ethanol over silica. Carbon, 2010, 48, 3175-3181.	5.4	29
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