

RÃ¼diger Klingeler

List of Publications by Year in descending order

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265
papers

7,786
citations

57719

44
h-index

76872

74
g-index

268
all docs

268
docs citations

268
times ranked

8202
citing authors

#	ARTICLE	IF	CITATIONS
19	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
20	From polystyrene waste to porous carbon flake and potential application in supercapacitor. Waste Management, 2019, 85, 333-340.	3.7	80
21	Phase transition in partially B-site-disordered perovskite $\text{EuMn}_{0.5}\text{Mn}_{0.5}\text{O}_3$. Applied Physics Letters, 2010, 97, .	1.1	79
22	Full spin switch effect for the superconducting current in a superconductor/ferromagnet thin film heterostructure. Applied Physics Letters, 2010, 97, .	1.5	74
23	Weak Superconducting Pairing and a Single Isotropic Energy Gap in Stoichiometric LiFeAs. Physical Review Letters, 2010, 104, 187001.	2.9	73
24	Antioxidant multi-walled carbon nanotubes by free radical grafting of gallic acid: new materials for biomedical applications. Journal of Pharmacy and Pharmacology, 2011, 63, 179-188.	1.2	71
25	Anatase Nanotubes as an Electrode Material for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2012, 116, 8714-8720.	1.5	70
26	Magnetization and specific heat of TbFe ₃ (BO ₃) ₄ : Experiment and crystal-field calculations. Physical Review B, 2007, 75, .	1.1	69
27	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
28	Monoclinic honeycomb-layered compound Li ₃ Ni ₂ SbO ₆ : preparation, crystal structure and magnetic properties. Dalton Transactions, 2012, 41, 572-580.	1.6	68
29	Delivery of carboplatin by carbon-based nanocontainers mediates increased cancer cell death. Nanotechnology, 2010, 21, 335101.	1.3	64
30			

#	ARTICLE	IF	CITATIONS
37	Magnetism and the charge order transition in lightly doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Physical Review B</i> , 2002, 65, .	1.1	51
38	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, 1550-1566.	1.6	49
39	Synthesis, characterization, and photocatalytic properties of core/shell mesoporous silica nanospheres supporting nanocrystalline titania. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5899-5908.	0.8	48
40	Morphology controlled $\text{NH}_4\text{V}_3\text{O}_8$ microcrystals by hydrothermal synthesis. <i>Dalton Transactions</i> , 2013, 42, 4897.	1.6	48
41	A new LiCoPO_4 polymorph via low temperature synthesis. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2856.	5.2	48
42	A carbon-wrapped nanoscaled thermometer for temperature control in biological environments. <i>Nanomedicine</i> , 2008, 3, 321-327.	1.7	47
43	Magnetic Interactions in a Series of Homodinuclear Lanthanide Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 11247-11258.	1.9	47
44	Highly dispersive spin excitations in the chain cuprate Li_2CuO_2 . <i>Europhysics Letters</i> , 2009, 88, 37002.	0.7	46
45	Few-Layer Graphene Shells and Nonmagnetic Encapsulates: A Versatile and Nontoxic Carbon Nanomaterial. <i>ACS Nano</i> , 2013, 7, 10552-10562.	7.3	46
46	Hetero-layered MoS_2/C composites enabling ultrafast and durable Na storage. <i>Energy Storage Materials</i> , 2019, 21, 115-123.	9.5	46
47	Interaction of an extended series of N-substituted di(2-picolyl)amine derivatives with copper(II). Synthetic, structural, magnetic and solution studies. <i>Dalton Transactions</i> , 2009, , 4795.	1.6	45
48	Magnetic properties of vanadium oxide nanotubes probed by static magnetization and ^51V NMR. <i>Physical Review B</i> , 2006, 73, .	1.1	43
49	Magnetotransport studies and mechanism of Ho- and Y-doped $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. <i>Physical Review B</i> , 2001, 63, .	1.1	42
50	Orbital Polaron Lattice Formation in Lightly Doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Physical Review Letters</i> , 2005, 95, 236401.	2.9	42
51	Synthesis and crystal structure of the $\text{Sr}_2\text{Al}_{1.07}\text{Mn}_{0.93}\text{O}_5$ brownmillerite. <i>Journal of Materials Chemistry</i> , 2007, 17, 692-698.	6.7	42
52	Synthesis and physical properties of $\text{LaO}_{1-x}\text{F}_x\text{FeAs}$. <i>European Physical Journal B</i> , 2009, 70, 461-468.	0.6	42
53	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.	2.6	42
54	Specific heat and angle-resolved photoemission spectroscopy study of the superconducting gaps in LiFeAs . <i>Physical Review B</i> , 2011, 83, .	1.1	41

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55	A Three-Pronged Attack To Investigate the Electronic Structure of a Family of Ferromagnetic Fe ₄ Ln ₂ Cyclic Coordination Clusters: A Combined Magnetic Susceptibility, High-Field/High-Frequency Electron Paramagnetic Resonance, and ⁵⁷ Fe Mössbauer Study. <i>Inorganic Chemistry</i> , 2017, 56, 4796-4806.	1.9	41
56	Weak ferromagnetic spin and charge stripe order in La ₅ Sr ₃ NiO ₄ . <i>Physical Review B</i> , 2005, 72, .	1.1	40
57	Perpendicular magnetization of long iron carbide nanowires inside carbon nanotubes due to magnetocrystalline anisotropy. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	40
58	New Dinuclear Nickel(II) Complexes: Synthesis, Structure, Electrochemical, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2011, 50, 4553-4558.	1.9	40
59	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.	1.8	40
60	Orbital order induced ferromagnetic insulating properties. <i>New Journal of Physics</i> , 2004, 6, 152-152.	1.2	39
61	Cisplatin-loaded carbon-encapsulated iron nanoparticles and their in vitro effects in magnetic fluid hyperthermia. <i>Carbon</i> , 2010, 48, 2327-2334.	5.4	39
62	CCVD Synthesis of Carbon-Encapsulated Cobalt Nanoparticles for Biomedical Applications. <i>Advanced Functional Materials</i> , 2011, 21, 3583-3588.	7.8	39
63	Magnetism of hole-doped CuO ₂ spin chains in Sr ₁₄ Cu ₂₄ O ₄₁ : Experimental and numerical results. <i>Physical Review B</i> , 2006, 73, .	1.1	38
64	Magnetic properties of carbon nanotubes with and without catalyst. <i>Journal of Physics: Conference Series</i> , 2010, 200, 072061.	0.3	38
65	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, 160-169.	1.1	38
66	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
67	Evidence of d -wave superconductivity in K_xNa_{1-x} <i>Physical Review Letters</i> , 2009, 103, 077001.	1.1	37
68	Saturation Field of Frustrated Chain Cuprates: Broad Regions of Predominant Interchain Coupling. <i>Physical Review Letters</i> , 2011, 107, 097201.	2.9	36
69	Hollow carbon sphere/metal oxide nanocomposites anodes for lithium-ion batteries. <i>Energy</i> , 2016, 103, 100-106.	4.5	35
70	CoFe ₂ O ₄ -filled carbon nanotubes as anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155018.	2.8	35
71	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, .	1.1	34
72	Andreev spectroscopy of LaFeAsO _{1-x} <i>Physical Review B</i> , 2009, 79, .	1.1	34

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73	Single-crystal growth of LiMnPO ₄ by the floating-zone method. Journal of Crystal Growth, 2009, 311, 1273-1277.	0.7	33
74	Influence of a Counteranion on the Zero-Field Splitting of Tetrahedral Cobalt(II) Thiourea Complexes. Inorganic Chemistry, 2019, 58, 9085-9100.	1.9	33
75	Morphology, Structural Control, and Magnetic Properties of Carbon-Coated Nanoscaled NiRu Alloys. Journal of Physical Chemistry C, 2010, 114, 10745-10749.	1.5	32
76	Critical current and vortex dynamics in single crystals of $\text{Ca}(\text{Mg}_{1-x}\text{Fe}_x)_2\text{B}_2\text{C}$. Physical Review B, 2010, 82, .	1.1	32
77	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 . Physical Review B, 2006, 74, .	1.1	31
78	Electronic properties of LaO _{1-x} F _x FeAs in the normal state probed by NMR/NQR. New Journal of Physics, 2009, 11, 035002.	1.2	31
79	Morphology and Agglomeration Control of LiMnPO ₄ Micro- and Nanocrystals. Langmuir, 2013, 29, 8054-8060.	1.6	31
80	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
81	Magnetization and specific heat of DyFe ₃ (BO ₃) ₄ single crystal. European Physical Journal B, 2008, 62, 123-128.	0.6	29
82	Functionalization of carbon encapsulated iron nanoparticles. Journal of Nanoparticle Research, 2010, 12, 513-519.	0.8	29
83	The formation of stacked-cup carbon nanotubes using chemical vapor deposition from ethanol over silica. Carbon, 2010, 48, 3175-3181.	5.4	29
84	Finite-size effects and magnetic order in the spin-1 honeycomb lattice compound LnCu_2O_7 . Physical Review B, 2010, 82, .	1.1	29
85	Hollow carbon spheres loaded with uniform dispersion of copper oxide nanoparticles for anode in lithium-ion batteries. Journal of Alloys and Compounds, 2021, 853, 156700.	2.8	29
86	Magnetic properties of Fe_2C and Fe_3C nanowires. Journal of Physics: Conference Series, 2010, 200, 072062.	0.3	28
87	Carbon Nanotube-Based Stimuli-Responsive Controlled-Release System. Chemistry - A European Journal, 2011, 17, 4454-4459.	1.7	28
88	Evidence for canted antiferromagnetism in lightly doped La _{1-x} Sr _x MnO ₃ . Physical Review B, 2001, 64, .	1.1	27
89	Thermal expansion of $\text{LaFeAsO}_{1-x}\text{F}_x$. Evidence for high-temperature fluctuations. Physical Review B, 2009, 80, .	1.1	27
90	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

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109	New Phase of MnSb_2O_6 Prepared by Ion Exchange: Structural, Magnetic, and Thermodynamic Properties. <i>Inorganic Chemistry</i> , 2015, 54, 1705-1711.	1.9	21
110	Carbon nanotubes decorated by mesoporous cobalt oxide as electrode material for lithium-ion batteries. <i>Chemical Physics Letters</i> , 2015, 635, 185-189.	1.2	21
111	A facile synthesis method and electrochemical studies of a hierarchical structured MoS_2/C -nanocomposite. <i>RSC Advances</i> , 2016, 6, 76084-76092.	1.7	21
112	Anisotropy-governed competition of magnetic phases in the honeycomb quantum magnet NaMn_2O_4 studied by dilatometry and high-frequency ESR. <i>Physical Review B</i> , 2017, 95, .	1.3	21
113	Correlation of Structural and Magnetic Properties in a Set of Mononuclear Lanthanide Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 5319-5330.	1.7	21
114	Anomalous orbital dynamics in LaSrMnO_4 observed by Raman spectroscopy. <i>Physical Review B</i> , 2008, 77, .	1.1	20
115	Biocompatibility of Iron Filled Carbon Nanotubes <i>In Vitro</i> . <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5709-5716.	0.9	20
116	Binuclear 1,2-Diphosphacyclopentadienyl Manganese(II) Complexes: Synthesis, Structure and Magnetic Properties. <i>Organometallics</i> , 2010, 29, 1339-1342.	1.1	20
117	Challenges in the crystal growth of Li_2CuO_2 and LiMnPO_4 . <i>Journal of Crystal Growth</i> , 2011, 318, 995-999.	0.7	20
118	Magnetic properties of quasi-one-dimensional antiferromagnets $(\text{Y}_{1-x}\text{Nd}_x)_2\text{BaNiO}_5$ ($x=1, 0.15$). <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 331, 133-139.	1.0	20
119	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
120	Spiral vs. ferromagnetic in-chain order in edge-shared cuprates. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 345-348.	1.0	19
121	Electrochemical Behavior and Magnetic Properties of Vanadium Oxide Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5265-5270.	1.5	19
122	High-field electron spin resonance spectroscopy study of GdFeAsO	1.1	19
123	A_2MnXO_4 Family ($\text{A} = \text{Li, Na, Ag}$; $\text{X} = \text{Si, Ge}$): Structural and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017, 56, 14023-14039.	1.9	19
124	Microwave-assisted hydrothermal synthesis and electrochemical studies of h-MoO_3 . <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 3651-3661.	1.2	19
125	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
126	Helimagnetism and weak ferromagnetism in NaCu_2O_2 and related frustrated chain cuprates. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 145230.	0.7	18

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127	Nonmagnetic carbon nanotubes. Journal of Applied Physics, 2009, 105, 063906.	1.1	18
128	Observation of the "inverse" spin valve effect in a Ni/V/Ni trilayer system. JETP Letters, 2009, 90, 59-63.	0.4	18
129	Vanadium dioxide nanobelts: Hydrothermal synthesis and magnetic properties. Materials Research Bulletin, 2010, 45, 1118-1121.	2.7	18
130	Pinning effects in ceramic SmO_x revealed by microwave absorption. Physical Review B, 2010, 81, .	1.1	18
131	Magnetic properties of high-pressure optical floating-zone grown LaNiO_3 single crystals. Journal of Crystal Growth, 2019, 524, 125157.	0.7	18
132	Magnetic and thermal properties of single-crystal $\text{NdFe}_3(\text{BO}_3)_4$. Journal of Experimental and Theoretical Physics, 2007, 105, 105-107.	0.2	17
133	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. Physical Review B, 2008, 78, .	1.1	17
134	Magnetic anisotropy and ferromagnetic correlations above the Curie temperature in $\text{Eu}(\text{Mn}_2\text{S}_2)$ crystals. Physical Review B, 2010, 82, .	1.1	17
135	Synthesis of carbon-encapsulated iron nanoparticles by pyrolysis of iron citrate and poly(vinyl) Tj ETQq1 1 0.784314 1.35 BT / Overlock 10	1.3	17
136	Novel synthesis and electrochemical investigations of ZnO/C composites for lithium-ion batteries. Journal of Materials Science, 2021, 56, 13227.	1.7	17
137	Quantum electric dipole glass and frustrated magnetism near a critical point in $\text{Li}_2\text{ZrCuO}_4$. Europhysics Letters, 2009, 88, 27001.	0.7	16
138	Orthogonal spin arrangement as possible ground state of three-dimensional Shastry-Sutherland network in $\text{BaCu}_3\text{In}_2\text{S}_8$. Physical Review B, 2010, 82, .	1.1	16
139	Electrochemical Magnetization Switching and Energy Storage in Manganese Oxide filled Carbon Nanotubes. Scientific Reports, 2017, 7, 13625.	1.6	16
140	Facile synthesis N-doped hollow carbon spheres from spherical solid silica. Journal of Colloid and Interface Science, 2018, 511, 203-208.	5.0	16
141	The first pentagonal-bipyramidal vanadium(scp^{iii}) complexes with a Schiff-base N_3O_2 pentadentate ligand: synthesis, structure and magnetic properties. Dalton Transactions, 2020, 49, 15287-15298.	1.6	16
142	MoO_2/C composites prepared by tartaric acid and glucose-assisted sol-gel processes as anode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2021, 863, 158353.	2.8	16
143	Interplay between Kondo-like behavior and short-range antiferromagnetism in EuCu_2Si_2 single crystals. Physical Review B, 2008, 78, .	1.1	15
144	Magnetic and specific heat properties of $\text{YFe}_3(\text{BO}_3)_4$ and $\text{ErFe}_3(\text{BO}_3)_4$. Journal of Physics Condensed Matter, 2010, 22, 116006.	0.7	15

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145	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.	2.7	14
146	Ultrathin NiO confined within hollow carbon sphere for efficient electrochemical energy storage. <i>Journal of Alloys and Compounds</i> , 2019, 797, 702-709.	2.8	14
147	Filled Carbon Nanotubes as Anode Materials for Lithium-Ion Batteries. <i>Molecules</i> , 2020, 25, 1064.	1.7	14
148	Field dependence of colossal magnetoresistance in magnetic fields up to 50T. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 416-419.	1.0	13
149	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, .	1.1	13
150	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, .	1.1	13
151	A nanoscaled contactless thermometer for biological systems. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4092-4096.	0.7	13
152	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.	0.7	13
153	The filling of carbon nanotubes with magnetoelectric Cr_2O_3 . <i>Carbon</i> , 2012, 50, 1706-1709.	5.4	13
154	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.	1.7	13
155	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.	1.2	13
156	Quenched charge disorder in CuO_2 spin chains: Experimental and numerical studies. <i>Physical Review B</i> , 2006, 73, .	1.1	12
157	Barium vanadium silicate $\text{Ba}_2\text{VSi}_2\text{O}_{10}$. <i>Physical Review B</i> , 2006, 73, .	1.1	12
158	Coupling of Li motion and structural distortions in olivine LiMnPO_4 from ^7Li and ^31P NMR. <i>Physical Review B</i> , 2013, 88, .	1.1	12
159	Magnetic anisotropy and the phase diagram of chiral MnSb . <i>Physical Review B</i> , 2016, 94, .	1.2	12
160	Magnetic phase diagram and magnetoelastic coupling of NiTiO_3 . <i>Physical Review B</i> , 2020, 101, .	1.1	12
161	Exotic magnetic and electronic properties of layered CrI_3 single crystals under high pressure. <i>Physical Review B</i> , 2022, 105, .	1.1	12
162	$[\text{SrF}_{0.8}(\text{OH})_{0.2}]_{2.526}[\text{Mn}_6\text{O}_{12}]_{\text{Å}}$ Columnar Rock-Salt Fragments Inside the Todorokite-Type Tunnel Structure. <i>Chemistry of Materials</i> , 2007, 19, 1181-1189.	3.2	11

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181	Structural and physical properties of trilayer nickelates $\text{NiO}_2\text{TiO}_2\text{NiO}_2$. Physical Review B, 2021, 103, .	1.1	9
182	Anisotropic ionic conductivity of $\text{LiMn}_{1-x}\text{Fe}_x\text{PO}_4$ (0 \leq x \leq 1) single crystals. Solid State Ionics, 2020, 346, 115197.	1.3	9
183	Magnetostructural coupling in ilmenite-type NiTiO_3 . Physical Review B, 2021, 103, .	1.1	9
184	Uniaxial pressure effects in the two-dimensional van der Waals ferromagnet CrI_3 . Physical Review B, 2022, 105, .	1.1	9
185	Interface-driven magnetoelectric effects in granular CrO_2 . Europhysics Letters, 2010, 91, 17006.	0.7	8
186	Weak ferrimagnetism and multiple magnetization reversal in $\text{Cr}_3(\text{PO}_4)_2$. Physical Review B, 2012, 85, .	1.1	8
187	Thermodynamic studies on single-crystalline $\text{Gd}_2\text{BaNiO}_7$. Physical Review B, 2012, 85, .	1.1	8
188	Growth, characterization, and magnetic properties of a $\text{Li}(\text{Mn,Ni})\text{PO}_4$ single crystal. Journal of Crystal Growth, 2014, 386, 16-21.	0.7	8
189	The effect of process parameters on floating zone crystal growth of selected cuprates. Journal of Crystal Growth, 2014, 401, 596-600.	0.7	8
190	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
191	Comment on O^{2-} 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
192	Magnetic phase diagram, magnetoelastic coupling, and Gr $\frac{1}{4}$ neisen scaling in CoTiO_3 . Physical Review B, 2021, 104, .	1.1	8
193	Strong effects of uniaxial pressure and short-range correlations in Cr_2O_3 . Physical Review Research, 2022, 4, .	1.2	8
194	Magnetism of low-doped spin chains in CoTiO_3 .  Physical Review B, 2021, 104, .	1.0	7
195	Carbon nanotube synthesis via ceramic catalysts. Physica Status Solidi (B): Basic Research, 2009, 246, 2486-2489.	0.7	7
196	1/3 magnetization plateau and frustrated ferrimagnetism in a sodium iron phosphite. Physical Review B, 2016, 93, .	1.1	7
197	Magnetoelastic coupling and ferromagnetic-type in-gap spin excitations in multiferroic $\text{LiCu}_2\text{V}_2\text{O}_7$. New Journal of Physics, 2018, 20, 063045.	1.2	7
198	V 2O_3 /C composite fabricated by carboxylic acid-assisted sol-gel synthesis as anode material for lithium-ion batteries. Journal of Sol-Gel Science and Technology, 2021, 98, 549-558.	1.1	7

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199	Revisiting the phase diagram of $\text{LaFe}_{1-x}\text{Co}_x\text{AsO}$ in single crystals by thermodynamic methods. <i>Physical Review B</i> , 2021, 103, .		
200	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
201	Temperature driven orbital redistribution in LaSrMnO. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 944-947.	1.0	6
202	Excited and ground state properties of LaSrMnO ₄ : A combined x-ray spectroscopic study. <i>Physical Review B</i> , 2006, 74, .	1.1	6
203	Self-flux growth of large EuCu ₂ Si ₂ single crystals. <i>Journal of Crystal Growth</i> , 2011, 318, 1043-1047.	0.7	6
204	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, 7787-7801.	1.7	6
205	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.	1.5	6
206	Nematicity in LaFeAsO _{1-x} F _x . <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600214.	0.7	6
207	Interplay between the valence phase transition and Kondo behavior in $\text{La}_{1-x}\text{Yb}_x\text{In}_{1-x}\text{Cu}_4$.	1.1	5
208	A carbon-nanotube based nano-furnace for in-situ restructuring of a magnetoelectric oxide. <i>Carbon</i> , 2017, 114, 291-300.	5.4	5
209	Nematicity and structure in LaFe _{1-x} CoxAsO. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 482, 50-53.	1.0	5
210	Synthesis and magnetism of a Li ₂ FeSiO ₄ single crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 477, 1-3.	1.0	5
211	Challenges in the crystal growth of Li ₂ FeSiO ₄ . <i>Journal of Crystal Growth</i> , 2021, 556, 125995.	0.7	5
212	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.	2.4	5
213	A high-frequency EPR study of magnetic anisotropy and intermolecular interactions of Co(II) ions. <i>Polyhedron</i> , 2021, 208, 115389.	1.0	5
214	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
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