

Marco Affronte

List of Publications by Year in descending order

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53794

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212
all docs

212
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212
times ranked

5611
citing authors

#	ARTICLE	IF	CITATIONS
1	Tetrairon (<sc>i</sc>) extended metal atom chains as single-molecule magnets. Dalton Transactions, 2021, 50, 7571-7589.	3.3	10
2	Multiscale Charge Transport in van der Waals Thin Films: Reduced Graphene Oxide as a Case Study. ACS Nano, 2021, 15, 2654-2667.	14.6	17
3	Transmission Spectroscopy of Molecular Spin Ensembles in the Dispersive Regime. Advanced Quantum Technologies, 2021, 4, 2100039.	3.9	4
4	Microwave Photon Detectors Based on Semiconducting Double Quantum Dots. Sensors, 2020, 20, 4010.	3.8	10
5	Storage and retrieval of microwave pulses with molecular spin ensembles. Npj Quantum Information, 2020, 6, .	6.7	26
6	Coupling Nanostructured CsNiCr Prussian Blue Analogue to Resonant Microwave Fields. Advanced Quantum Technologies, 2020, 3, 1900101.	3.9	2
7	Towards quantum sensing with molecular spins. Journal of Magnetism and Magnetic Materials, 2019, 491, 165534.	2.3	10
8	Color Sensitive Response of Graphene/Graphene Quantum Dot Phototransistors. Journal of Physical Chemistry C, 2019, 123, 26490-26497.	3.1	10
9	Microwave-assisted reversal of a single electron spin. Journal of Applied Physics, 2019, 125, 142801.	2.5	9
10	CoTPP molecules deposited on graphene/Ni (111): Quenching of the antiferromagnetic interaction induced by gold intercalation. Journal of Applied Physics, 2019, 125, .	2.5	6
11	Microwave-Assisted Tunneling in Hard-Wall InAs/InP Nanowire Quantum Dots. Scientific Reports, 2019, 9, 19523.	3.3	6
12	High spin cycles: topping the spin record for a single molecule verging on quantum criticality. Npj Quantum Materials, 2018, 3, .	5.2	86
13	Coherent coupling of molecular spins with microwave photons in planar superconducting resonators. Advances in Physics: X, 2018, 3, 1435305.	4.1	17
14	Probing magnetic coupling between LnPc₂ (Ln = Tb, Er) molecules and the graphene/Ni (111) substrate with and without Au-intercalation: role of the dipolar field. Nanoscale, 2018, 10, 277-283.	5.6	25
15	Microwave dual-mode resonators for coherent spin-photon coupling. Journal of Applied Physics, 2018, 124, .	2.5	8
16	Radical-lanthanide ferromagnetic interaction in a T b bis-phthalocyaninato complex. Physical Review Materials, 2018, 2, .	2.4	29
17	High Photoresponsivity in Graphene Nanoribbon Field-Effect Transistor Devices Contacted with Graphene Electrodes. Journal of Physical Chemistry C, 2017, 121, 10620-10625.	3.1	45
18	Coherent coupling between Vanadyl Phthalocyanine spin ensemble and microwave photons: towards integration of molecular spin qubits into quantum circuits. Scientific Reports, 2017, 7, 13096.	3.3	42

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19	Molecular Spins in the Context of Quantum Technologies. Magnetochemistry, 2017, 3, 12.	2.4	36
20	Addressing "Single Molecular Spins" with Graphene-Based Nanoarchitectures. Advances in Atom and Single Molecule Machines, 2017, , 165-184.	0.0	0
21	Spin-communication channels between Ln(III) bis-phthalocyanines molecular nanomagnets and a magnetic substrate. Scientific Reports, 2016, 6, 21740.	3.3	30
22	Fabrication of three terminal devices by ElectroSpray deposition of graphene nanoribbons. Carbon, 2016, 104, 112-118.	10.3	20
23	Single-molecule devices with graphene electrodes. Dalton Transactions, 2016, 45, 16570-16574.	3.3	47
24	Coherently coupling distinct spin ensembles through a high-Q microwave resonator. Physical Review A, 2016, 93, .	3.3	39
25	Heterodimers of heterometallic rings. Dalton Transactions, 2016, 45, 16610-16615.	3.3	8
26	Coupling molecular spin centers to microwave planar resonators: towards integration of molecular qubits in quantum circuits. Dalton Transactions, 2016, 45, 16596-16603.	3.3	29
27	Relay-Like Exchange Mechanism through a Spin Radical between TbPc ₂ Molecules and Graphene/Ni(111) Substrates. ACS Nano, 2016, 10, 9353-9360.	14.6	26
28	Low temperature magnetic properties and spin dynamics in single crystals of Cr ₈ Zn antiferromagnetic molecular rings. Journal of Chemical Physics, 2015, 143, 244321.	3.0	23
29	Single-Molecule Magnetism, Enhanced Magnetocaloric Effect, and Toroidal Magnetic Moments in a Family of Ln ₄ Squares. Chemistry - A European Journal, 2015, 21, 15639-15650.	3.3	72
30	Electroburning of few-layer graphene flakes, epitaxial graphene, and turbostratic graphene discs in air and under vacuum. Beilstein Journal of Nanotechnology, 2015, 6, 711-719.	2.8	19
31	YBa ₂ Cu ₃ O ₇ microwave resonators for strong collective coupling with spin ensembles. Applied Physics Letters, 2015, 106, .	3.3	45
32	Coherent Spin Dynamics in Molecular Cr ₈ Zn Wheels. Journal of Physical Chemistry Letters, 2015, 6, 5062-5066.	4.6	23
33	Magnetic interplay between two different lanthanides in a tris-phthalocyaninato complex: a viable synthetic route and detailed investigation in the bulk and on the surface. Journal of Materials Chemistry C, 2015, 3, 9794-9801.	5.5	34
34	Observation of different charge transport regimes and large magnetoresistance in graphene oxide layers. Carbon, 2015, 89, 188-196.	10.3	42
35	Microstrip Resonators and Broadband Lines for X-band EPR Spectroscopy of Molecular Nanomagnets. Applied Magnetic Resonance, 2015, 46, 749-756.	1.2	14
36	Trioctahedral Fe-rich micas: Relationships between magnetic behavior and crystal chemistry. American Mineralogist, 2015, 100, 2231-2241.	1.9	3

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37	DFT Study of the Cr ₈ Molecular Magnet Within Chain-Model Approximations. Lecture Notes in Computer Science, 2014, , 428-437.	1.3	4
38	Synthesis and magnetothermal properties of a ferromagnetically coupled Gd ₄ cluster. Dalton Transactions, 2014, 43, 259-266.	3.3	34
39	Field-regulated switching of the magnetization of Co-porphyrin on graphene. Physical Review B, 2014, 89, .	3.2	17
40	Surface Investigation on Gd ₄ M ₈ (M = Zn, Ni) Single Molecule Coolers. Advanced Functional Materials, 2014, 24, 4782-4788.	14.9	6
41	Quantum Computation with Molecular Nanomagnets: Achievements, Challenges, and New Trends. Structure and Bonding, 2014, , 383-430.	1.0	9
42	A Detailed Study of the Magnetism of Chiral {Cr ₇ M} Rings: An Investigation into Parametrization and Transferability of Parameters. Journal of the American Chemical Society, 2014, 136, 9763-9772.	13.7	26
43	Ferromagnetic Exchange Coupling between Fe Phthalocyanine and Ni(111) Surface Mediated by the Extended States of Graphene. Journal of Physical Chemistry C, 2014, 118, 17670-17676.	3.1	36
44	Octanuclear [Ni ^{II}] ₄ [Ln ^{III}] ₄ complexes. Synthesis, crystal structures and magnetocaloric properties. Dalton Transactions, 2014, 43, 9136-9142.	3.3	36
45	Potentialities of Molecular Nanomagnets for Information Technologies. Nanoscience and Technology, 2014, , 249-273.	1.5	5
46	Studies of hybrid organic-inorganic [2] and [3]rotaxanes bound to Au surfaces. Chemical Communications, 2013, 49, 3404.	4.1	12
47	Magnetic Cooling at a Single Molecule Level: a Spectroscopic Investigation of Isolated Molecules on a Surface. Advanced Materials, 2013, 25, 2816-2820.	21.0	32
48	Inhomogeneous magnetism in the doped kagome lattice of LaCuO _{2.66} . Physical Review B, 2013, 87, .	3.2	6
49	Antiferromagnetic coupling of TbPc ₂ molecules to ultrathin Ni and Co films. Beilstein Journal of Nanotechnology, 2013, 4, 320-324.	2.8	36
50	Magnetic and entanglement properties of molecular Cr ₂ Ni ₂ heterometallic spin rings. Physical Review B, 2012, 86, .	3.2	11
51	Magnetic properties and relaxation dynamics of a frustrated Ni ₇ molecular nanomagnet. Journal of Physics Condensed Matter, 2012, 24, 104006.	1.8	14
52	Magnetic behavior of trioctahedral micas with different octahedral Fe ordering. Physics and Chemistry of Minerals, 2012, 39, 665-674.	0.8	5
53	Controlled Positioning of Nanoparticles on Graphene by Noninvasive AFM Lithography. Langmuir, 2012, 28, 12400-12409.	3.5	13
54	Dodecanuclear [Cu ^{II}] ₆ Gd ^{III} ₆ Nanoclusters as Magnetic Refrigerants. Inorganic Chemistry, 2012, 51, 3935-3937.	4.0	69

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55	Controlling magnetic communication through aromatic bridges by variation in torsion angle. Dalton Transactions, 2012, 41, 13626.	3.3	18
56	Magnetic Anisotropy of Cr ₇ Ni Spin Clusters on Surfaces. Advanced Functional Materials, 2012, 22, 3706-3713.	14.9	28
57	Oxo-centered carboxylate-bridged trinuclear complexes deposited on Au(111) by a mass-selective electrospray. New Journal of Chemistry, 2011, 35, 1683.	2.8	12
58	Graphene Spintronic Devices with Molecular Nanomagnets. Nano Letters, 2011, 11, 2634-2639.	9.1	371
59	Self-Assembled Monolayer of Cr ₇ Ni Molecular Nanomagnets by Sublimation. ACS Nano, 2011, 5, 7090-7099.	14.6	42
60	Focused Electron Beam Deposition of Nanowires from Cobalt Tricarbonyl Nitrosyl (Co(CO) ₃ NO) Precursor. Journal of Physical Chemistry C, 2011, 115, 19606-19611.	3.1	36
61	Propagation of Spin Information at the Supramolecular Scale through Heteroaromatic Linkers. Physical Review Letters, 2011, 106, 227205.	7.8	41
62	Spin entanglement in supramolecular systems. Journal of Physics: Conference Series, 2011, 303, 012033.	0.4	4
63	Molecular spins for quantum information technologies. Chemical Society Reviews, 2011, 40, 3119.	38.1	473
64	Chemical Control of Spin Propagation between Heterometallic Rings. Chemistry - A European Journal, 2011, 17, 14020-14030.	3.3	27
65	Characterization of a new cobalt precursor for focused beam deposition of magnetic nanostructures. Microelectronic Engineering, 2011, 88, 1955-1958.	2.4	26
66	Hysteresis loops of magnetoconductance in graphene devices. Physical Review B, 2011, 83, .	3.2	17
67	Deposition of Functionalized Cr ₇ Ni Molecular Rings on Graphite from the Liquid Phase. Advanced Functional Materials, 2010, 20, 1552-1560.	14.9	31
68	Experimental validation of Villain's conjecture about magnetic ordering in quasi-1D helimagnets. Journal of Magnetism and Magnetic Materials, 2010, 322, 1259-1261.	2.3	8
69	Entanglement in Supramolecular Spin Systems of Two Weakly Coupled Antiferromagnetic Rings (Purple- T_j) Physical Review Letters, 2010, 104, 037203.	7.8	99
70	Spin entanglement in supramolecular structures. Nanotechnology, 2010, 21, 274009.	2.6	28
71	Scanning tunnelling spectroscopy study of paramagnetic superconducting Tj ETQq1 1 0.784314 rgBT / Over $[Tj]_4[(H_3O)Fe(C_2O_4)_3]_4 \cdot C_6H_5Br$ crystals. Journal of Physics Condensed Matter, 2010, 22, 175701.	1.8	2
72	Surface-Enhanced Raman Signal for Terbium Single-Molecule Magnets Grafted on Graphene. ACS Nano, 2010, 4, 7531-7537.	14.6	90

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73	From antiferromagnetism to superconductivity in Fe_2P . Physical Review B, 2010, 81, .	3.2	118
74	Probing local magnetization in molecular heterometallic Cr_2 . Physical Review B, 2010, 82, .	3.2	15
75	A Density-Functional Study of Heterometallic Cr-Based Molecular Rings. Journal of Physical Chemistry B, 2010, 114, 14797-14806.	2.6	24
76	Grafting molecular Cr_7Ni rings on a gold surface. Dalton Transactions, 2010, 39, 4928.	3.3	28
77	Successful grafting of isolated molecular Cr_7 on Au(111) surface. Physical Review B, 2009, 79, .	3.2	49
78	Probing edge magnetization in antiferromagnetic spin segments. Physical Review B, 2009, 79, .	3.2	18
79	Magnetocaloric effect in spin-degenerated molecular nanomagnets. Physical Review B, 2009, 79, .	3.2	79
80	Publisher's Note: Specific heat investigation in high magnetic field of the magnetic ordering of the rare-earth lattice in RFeAsO : The case of Sm [Phys. Rev. B80, 214404 (2009)]. Physical Review B, 2009, 80, .	3.2	0
81	Slow magnetic dynamics in the Ni_{10} family of compounds. Solid State Sciences, 2009, 11, 778-785.	3.2	2
82	Engineering the coupling between molecular spin qubits by coordination chemistry. Nature Nanotechnology, 2009, 4, 173-178.	31.5	374
83	Investigation of Li-doped MgB_2 . Superconductor Science and Technology, 2009, 22, 095014.	3.5	5
84	Molecular nanomagnets for information technologies. Journal of Materials Chemistry, 2009, 19, 1731-1737.	6.7	198
85	Magnetic structure of the high-density single-valent LaMn_7 system. Physical Review B, 2009, 79, .	3.2	52
86	Specific heat investigation in high magnetic field of the magnetic ordering of the rare-earth lattice in RFeAsO : The case of Sm. Physical Review B, 2009, 80, .	3.2	13
87	Membrane-based microcalorimetry for thin films and sub-milligram single-crystal. Journal of Physics: Conference Series, 2009, 187, 012034.	0.4	0
88	Magnetic Imaging of Cyanide-Bridged Coordination Nanoparticles Grafted on FIB-Patterned Si Substrates. Small, 2008, 4, 2240-2246.	10.0	14
89	Supertetrahedral and Bi-supertetrahedral Cages: Synthesis, Structures, and Magnetic Properties of Deca- and Enneadecametallate Cobalt(II) Clusters. Angewandte Chemie - International Edition, 2008, 47, 9695-9699.	13.8	50
90	Magnetic field sensitivity of $\text{In}_{0.75}\text{Ga}_{0.25}\text{As}$ Hall nanoprobles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 147, 148-151.	3.5	2

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91	Comparison among superconducting models for $\text{ET}_4[(\text{H}_3\text{O})\text{Fe}(\text{C}_2\text{O}_4)_3]\cdot\text{C}_6\text{H}_5\text{Br}$ single crystals by scanning tunnelling spectroscopy. <i>Solid State Sciences</i> , 2008, 10, 1773-1776.	3.2	2
92	Two-Step Magnetic Ordering in Quasi-One-Dimensional Helimagnets: Possible Experimental Validation of Villain's Conjecture about a Chiral Spin Liquid Phase. <i>Physical Review Letters</i> , 2008, 100, 057203.	7.8	42
93	Magnetic behaviour of trioctahedral mica-2M1 occurring in a magnetic anomaly zone. <i>Mineralogical Magazine</i> , 2008, 72, 1035-1042.	1.4	5
94	Thermal properties of SmFeAsO_{1-x} a probe of the interplay between electrons and phonons. <i>Physical Review B</i> , 2008, 78, .	3.2	12
95	Ab initio study on a chain model of the Cr_8 magnet. <i>Physical Review B</i> , 2008, 77, .	3.2	26
96	From single-molecule magnetism to long-range ferromagnetism in Hpyr . <i>Physical Review B</i> , 2008, 77, .	3.2	14
97	X-ray magnetic circular dichroism investigation of spin and orbital moments in Cr_8 and Cr_7Ni antiferromagnetic rings. <i>Physical Review B</i> , 2008, 77, .	3.2	19
98	Decoherence induced by hyperfine interactions with nuclear spins in antiferromagnetic molecular rings. <i>Physical Review B</i> , 2008, 77, .	3.2	27
99	Elementary excitations in antiferromagnetic Heisenberg spin segments. <i>Physical Review B</i> , 2007, 76, .	3.2	22
100	Spin triangles as optimal units for molecule-based quantum gates. <i>Physical Review B</i> , 2007, 76, .	3.2	67
101	A ring cycle: studies of heterometallic wheels. <i>Chemical Communications</i> , 2007, , 1789.	4.1	131
102	Valence tautomerism interconversion triggers transition to stable charge distribution in solid polymeric cobalt polyoxolene complexes. <i>Dalton Transactions</i> , 2007, , 5253.	3.3	30
103	Isolated Heterometallic Cr_7Ni Rings Grafted on Au(111) Surface. <i>Inorganic Chemistry</i> , 2007, 46, 4937-4943.	4.0	36
104	1,2,3-Triazolate-Bridged Tetradecametallic Transition Metal Clusters $[\text{M}_{14}(\text{L})_6\text{O}_6(\text{OMe})_{18}\text{X}_6]$ (M = FeIII), Tj ETQq0 0 0 rgBT /Overlock 1 Spin-Enhanced Magnetocaloric Effect. <i>Inorganic Chemistry</i> , 2007, 46, 4968-4978.	4.0	146
105	A Ferromagnetic Mixed-Valent Mn Supertetrahedron: Towards Low-Temperature Magnetic Refrigeration with Molecular Clusters. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4456-4460.	13.8	184
106	Neutron irradiation effects on two gaps in MgB_2 . <i>Physica C: Superconductivity and Its Applications</i> , 2007, 456, 144-152.	1.2	13
107	Observation of the gap merging in neutron irradiated MgB_2 . <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 560-561.	1.2	1
108	Role of charge doping and lattice distortions in codoped $\text{Mg}_{1-x}(\text{AlLi})_x\text{B}_2$ compounds. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 598-599.	1.2	4

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109	Molecular spin clusters for quantum computation. Journal of Magnetism and Magnetic Materials, 2007, 310, e501-e502.	2.3	8
110	Evidence for a helical and a chiral phase transition in the magnetic specific heat. Journal of Magnetism and Magnetic Materials, 2007, 310, 1460-1461.	2.3	9
111	Vacancy-driven magnetocaloric effect in Prussian blue analogues. Journal of Magnetism and Magnetic Materials, 2007, 316, e569-e571.	2.3	27
112	Single molecule magnets for quantum computation. Journal Physics D: Applied Physics, 2007, 40, 2999-3004.	2.8	102
113	Focused ion beam patterned Hall nano-sensors. Journal of Magnetism and Magnetic Materials, 2007, 310, 2752-2754.	2.3	3
114	Molecular routes for spin cluster qubits. Dalton Transactions, 2006, , 2810.	3.3	66
115	High-Temperature Slow Relaxation of the Magnetization in Ni ¹⁰ Magnetic Molecules. Physical Review Letters, 2006, 97, 207201.	7.8	54
116	Magnetothermal properties of molecule-based materials. Journal of Materials Chemistry, 2006, 16, 2534.	6.7	295
117	Hall nano-probes fabricated by focused ion beam. Nanotechnology, 2006, 17, 2105-2109.	2.6	24
118	Observation of the Crossover from Two-Gap to Single-Gap Superconductivity through Specific Heat Measurements in Neutron-Irradiated MgB ₂ . Physical Review Letters, 2006, 96, 077003.	7.8	90
119	Magnetocaloric effect in hexacyanochromate Prussian blue analogs. Physical Review B, 2006, 73, .	3.2	53
120	Tunable Dipolar Magnetism in High-Spin Molecular Clusters. Physical Review Letters, 2006, 97, 167202.	7.8	38
121	Role of charge doping and lattice distortions in codoped Mg ^{1-x} (Al _{1-x}) ₂ compounds. Physical Review B, 2006, 73, .	3.2	27
122	Molecular nanoclusters as magnetic refrigerants: The case of Fe ₁₄ with very large spin ground-state. Polyhedron, 2005, 24, 2573-2578.	2.2	26
123	Chiral and helical phase transitions in quasi-1D molecular magnets. Polyhedron, 2005, 24, 2568-2572.	2.2	8
124	AF molecular rings for quantum computation. Polyhedron, 2005, 24, 2562-2567.	2.2	8
125	Unusual e _g 3d ^x 2y ² Orbital Ordering and Low-Energy Excitations in the CE Structure of NaMn ₇ O ₁₂ . Journal of Superconductivity and Novel Magnetism, 2005, 18, 675-680.	0.5	5
126	Linking Rings through Diamines and Clusters: Exploring Synthetic Methods for Making Magnetic Quantum Gates. Angewandte Chemie - International Edition, 2005, 44, 6496-6500.	13.8	80

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127	Lattice effects in the ferromagnetic insulating phase of manganites. <i>Physical Review B</i> , 2005, 72, .	3.2	3
128	Spin-enhanced magnetocaloric effect in molecular nanomagnets. <i>Applied Physics Letters</i> , 2005, 87, 072504.	3.3	166
129	Topology and spin dynamics in magnetic molecules. <i>Physical Review B</i> , 2005, 72, .	3.2	61
130	Proposal for Quantum Gates in Permanently Coupled Antiferromagnetic Spin Rings without Need of Local Fields. <i>Physical Review Letters</i> , 2005, 94, 190501.	7.8	115
131	Molecular Engineering of Antiferromagnetic Rings for Quantum Computation. <i>Physical Review Letters</i> , 2005, 94, 207208.	7.8	291
132	Engineering molecular rings for magnetocaloric effect. <i>Applied Physics Letters</i> , 2004, 84, 3468-3470.	3.3	80
133	Level crossing in a molecular Cr ₈ ring. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1050-1051.	2.3	2
134	Thermal properties of MgB ₂ : the effect of disorder on gap amplitudes and relaxation times of $\tilde{\epsilon}$ and $\tilde{\chi}$ bands. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 408-410, 95-96.	1.2	0
135	Thin films of sodium-doped lanthanum manganites: role of substrate and thickness on the magnetoresistive response. <i>Solid State Ionics</i> , 2004, 172, 265-269.	2.7	10
136	Inter-cluster coupling effects in high-spin molecular magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E763-E764.	2.3	0
137	Magnetic and electronic properties of Mn ₄ Si ₇ . <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 519-520.	2.3	17
138	Indication for a chiral phase in the molecular magnetic chain Gd(hfac) ₃ NiTiPr by specific heat and $\hat{1}/4$ +SR measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1052-1053.	2.3	3
139	Effects of intercluster coupling in high spin molecular magnets. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 745-748.	4.0	13
140	Mixing of magnetic states in aCr ₈ molecular ring. <i>Physical Review B</i> , 2003, 68, .	3.2	50
141	Microscopic spin Hamiltonian of aCr ₈ antiferromagnetic ring from inelastic neutron scattering. <i>Physical Review B</i> , 2003, 67, .	3.2	124
142	Some properties of the phonon spectra of transition metal disilicides VSi ₂ , NbSi ₂ , and TaSi ₂ . <i>Solid State Communications</i> , 2003, 126, 415-419.	1.9	14
143	Specific heat and $\hat{1}/4$ +SRmeasurements inGd(hfac) ₃ NiTiPrmolecular magnetic chains: Indications for a chiral phase without long-range helical order. <i>Physical Review B</i> , 2003, 67, .	3.2	17
144	Effects of Al doping on the normal and superconducting properties ofMgB ₂ :A specific heat study. <i>Physical Review B</i> , 2003, 68, .	3.2	105

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145	Observation of Magnetic Level Repulsion in Fe ₆ :Li Molecular Antiferromagnetic Rings. <i>Physical Review Letters</i> , 2002, 88, 167201.	7.8	56
146	Magnetic ordering in a high-spin Fe ₁₉ molecular nanomagnet. <i>Physical Review B</i> , 2002, 66, .	3.2	45
147	Low-temperature specific heat of an Fe ₁₂ molecular cluster. <i>Physical Review B</i> , 2002, 66, .	3.2	6
148	Effects of antisymmetric interactions in molecular iron rings. <i>European Physical Journal B</i> , 2002, 30, 461-468.	1.5	28
149	High-field torque magnetometry for investigating magnetic anisotropy in Mn ₁₂ -acetate nanomagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 2012-2014.	2.3	6
150	Neutron spectroscopy within the S=5 ground multiplet and low-temperature heat capacity in an Fe ₄ magnetic cluster. <i>Physical Review B</i> , 2001, 64, .	3.2	35
151	New superconducting CaSi ₂ phase with T _c up to 14 K under pressure. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1117-1118.	2.7	8
152	Low-temperature specific heat of Li : Fe ₆ molecular magnets. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1233-1234.	2.7	5
153	Magnetic anisotropy of Mn ₁₂ -acetate nanomagnets from high-field torque magnetometry. <i>Chemical Physics Letters</i> , 2000, 322, 477-482.	2.6	31
154	Low temperature specific heat of molecular rings: a study on the effects of the internal guest substitution and on the lattice contribution. <i>European Physical Journal B</i> , 2000, 15, 633-639.	1.5	26
155	Structural phase transitions in CaSi ₂ under high pressure. <i>Physical Review B</i> , 2000, 62, 11392-11397.	3.2	62
156	Superconducting high pressure CaSi ₂ phase with T _c up to 14 K. <i>Physical Review B</i> , 2000, 61, R3800-R3803.	3.2	90
157	Low-temperature specific heat of Fe ₆ and Fe ₁₀ molecular magnets. <i>Physical Review B</i> , 1999, 60, 1161-1166.	3.2	36
158	Tuning of Magnetic Anisotropy in Hexairon(III) Rings by Host-Guest Interactions: An Investigation by High-Field Torque Magnetometry. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2264-2266.	13.8	70
159	Low-temperature thermodynamic properties of molecular magnetic chains. <i>Physical Review B</i> , 1999, 59, 6282-6293.	3.2	33
160	Magnetic anisotropy of Fe ₆ and Fe ₁₀ molecular rings by cantilever torque magnetometry in high magnetic fields. <i>Physical Review B</i> , 1999, 60, 12177-12183.	3.2	71
161	Magnetoresistance of RuO ₂ -Based Thick Film Resistors. <i>Journal of Low Temperature Physics</i> , 1998, 112, 355-371.	1.4	10
162	Low temperature properties of calcium mono- and disilicides. <i>Journal of Alloys and Compounds</i> , 1998, 274, 68-73.	5.5	49

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163	Low temperature electronic transport in RuO ₂ -based cermet resistors. Journal of Low Temperature Physics, 1997, 109, 461-475.	1.4	6
164	Resistivity measurements in superconducting Ba _{1-x} K _x BiO ₃ . Physica C: Superconductivity and Its Applications, 1996, 261, 147-152.	1.2	2
165	High-temperature resistance of the YBa ₂ Cu ₃ O _{6-x} tetragonal phase. Physical Review B, 1996, 54, 6763-6769.	3.2	2
166	Electronic properties of TiSi ₂ single crystals at low temperatures. Physical Review B, 1996, 54, 7799-7806.	3.2	12
167	Some physical properties of ReSi _{1.75} single crystals. Applied Surface Science, 1995, 91, 82-86.	6.1	10
168	Angular dependence of the magnetoresistance of TiSi ₂ single crystals. Applied Surface Science, 1995, 91, 98-102.	6.1	1
169	Structural and electronic transport properties of ReSi ₂ single crystals. Journal of Applied Physics, 1995, 78, 3902-3907.	2.5	55
170	Upper critical field of Ba _{1-x} K _x BiO ₃ single crystals. Physical Review B, 1994, 49, 3502-3510.	3.2	58
171	High-pressure studies on superconducting Ba _{1-x} K _x BiO ₃ single crystal. Physica B: Condensed Matter, 1994, 194-196, 1481-1482.	2.7	2
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