

# Helge Rosner

## List of Publications by Year in descending order

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161  
papers

5,176  
citations

101543

36  
h-index

106344

65  
g-index

161  
all docs

161  
docs citations

161  
times ranked

4933  
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#	ARTICLE	IF	CITATIONS
1	Observation of Antiferromagnetic Order as Odd-Parity Multipoles inside the Superconducting Phase in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mrow}\langle \text{mml:mrow}\langle \text{mml:mrow}\langle \text{mml:mrow}\langle \text{mml:mi}\text{CeRh}\langle \text{mml:mi}\rangle \langle \text{mml:mrow}\langle \text{mml:mrow}\langle \text{mml:mn}2$ . Physical Review Letters, 2022, 128, 057002.	7.8	24
2	Accuracy and Precision in Electronic Structure Computation: Wien2k and FPLO. Computation, 2022, 10, 28.	2.0	4
3	Fermi surface of a system with strong valence fluctuations: Evidence for a noninteger count of valence electrons in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"}\langle \text{mml:mrow}\langle \text{mml:mrow}\langle \text{mml:mrow}\langle \text{mml:mrow}\langle \text{mml:mi}\text{Eulr}\langle \text{mml:mi}\rangle \langle \text{mml:mrow}\langle \text{mml:mrow}\langle \text{mml:mn}2$ . Physical Review B, 2022, 105, .	3.2	0
4	Fermi surface of the skutterudite CoSb <sub>3</sub> : Quantum oscillations and band-structure calculations. Physical Review B, 2021, 103, .	3.2	4
5	Highly sensitive band structure of the Stoner-enhanced Pauli paramagnet SrCo <sub>2</sub> P <sub>2</sub> . Physical Review B, 2021, 104, .	3.2	0
6	Electron Doping of the Iron-Arsenide Superconductor CeFeAsO Controlled by Hydrostatic Pressure. Physical Review Letters, 2020, 125, 207001.	7.8	2
7	Surface and bulk electronic structure of aluminium diboride. Physical Review B, 2020, 102, .	3.2	6
8	Electronically driven spin-reorientation transition of the correlated polar metal Ca <sub>3</sub> Ru <sub>2</sub> O <sub>7</sub> . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15524-15529.	7.1	25
9	Fermi surface of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"}\langle \text{mml:mrow}\langle \text{mml:mrow}\langle \text{mml:mrow}\langle \text{mml:mrow}\langle \text{mml:mi}\text{PtCoO}\langle \text{mml:mi}\rangle \langle \text{mml:mrow}\langle \text{mml:mrow}\langle \text{mml:mn}2$ from quantum oscillations and electronic structure calculations. Physical Review B, 2020, 101, .	3.2	0
10	Probing spin correlations using angle-resolved photoemission in a coupled metallic/Mott insulator system. Science Advances, 2020, 6, eaaz0611.	10.3	24
11	Complex magnetic phase diagram of metamagnetic MnPtSi. Physical Review B, 2019, 100, .	3.2	4
12	Evidence of hot and cold spots on the Fermi surface of LiFeAs. Physical Review B, 2019, 99, .	3.2	20
13	Charge, lattice and magnetism across the valence crossover in Eulr <sub>2</sub> Si <sub>2</sub> single crystals. Journal of Physics Condensed Matter, 2019, 31, 305602.	1.8	10
14	Fermi surface investigation of the filled skutterudite LaRu <sub>4</sub> As <sub>12</sub> . Physical Review B, 2019, 100, .	3.2	4
15	Direct observation of a uniaxial stress-driven Lifshitz transition in Sr <sub>2</sub> RuO <sub>4</sub> . Npj Quantum Materials, 2019, 4, .	5.2	54
16	Fermi surface studies of the skutterudite superconductors LaPt <sub>4</sub> Ge <sub>12</sub> and PrPt <sub>4</sub> Ge <sub>12</sub> . Physical Review B, 2019, 99, .	3.2	4
17	Electronic band structure and proximity to magnetic ordering in the chiral cubic compound CrGe. Physical Review B, 2019, 99, .	3.2	9
18	Two types of magnetic shape-memory effects from twinned microstructure and magneto-structural coupling in Fe <sub>1+y</sub> Te. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16697-16702.	7.1	10

#	ARTICLE	IF	CITATIONS
19	Crystalline electric field of Ce in trigonal symmetry: $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{CeI} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{ as a model case. Physical Review B, 2018, 98, .$	23	16
20	Unconventional magneto-transport in ultrapure PdCoO <sub>2</sub> and PtCoO <sub>2</sub> . Npj Quantum Materials, 2018, 3, .	5.2	46
21	Itinerant ferromagnetism of the Pd-terminated polar surface of PdCoO <sub>2</sub> . Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12956-12960.	7.1	45
22	Local magnetism in MnSiPt rules the chemical bond. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7706-7710.	7.1	3
23	Strong peak in $\langle i \rangle T \langle /i \rangle \langle sub \rangle c \langle /sub \rangle$ of Sr $\langle sub \rangle 2 \langle /sub \rangle$ RuO $\langle sub \rangle 4 \langle /sub \rangle$ under uniaxial pressure. Science, 2017, 355, .	12.6	200
24	A multiband Eliashberg approach to iron-based superconductors. Physica Status Solidi (B): Basic Research, 2017, 254, 1600828.	1.5	9
25	Frustrated spin chain physics near the Majumdar-Ghosh point in sizenicsite $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{Cu} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Tj} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{ Physical Review B, 2017, 95, .$	1.2	10
26	Canted Antiferromagnetism on Rectangular Layers of Fe <sup>2+</sup> in Polymorphic CaFeSeO. Inorganic Chemistry, 2017, 56, 4271-4279.	4.0	7
27	Constraints on the total coupling strength to bosons in the iron based superconductors. Physica Status Solidi (B): Basic Research, 2017, 254, 1700006.	1.5	8
28	Maximal Rashba-like spin splitting via kinetic-energy-coupled inversion-symmetry breaking. Nature, 2017, 549, 492-496.	27.8	105
29	Field-induced gapless electron pocket in the superconducting vortex phase of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{YNi} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{C} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ as probed by magnetoacoustic quantum oscillations. Physical Review B, 2017, 95, .	3.2	4
30	Quasi-two-dimensional Fermi surface topography of the delafossite $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{PdRhO} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle$ Physical Review B, 2017, 96, .	3.2	4
31	Pressure-Induced Ferromagnetism due to an Anisotropic Electronic Topological Transition in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Fe} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1.08 \langle \text{mml:mn} \rangle$ Physical Review Letters, 2017, 119, 227003.	7.8	10
32	Single Crystal Growth, Structure, and Electronic Properties of Metallic Delafossite PdRhO <sub>2</sub> . Crystal Growth and Design, 2017, 17, 4144-4150.	3.0	16
33	Alternating spin chain compound AgVOAsO <sub>4</sub> probed by As <sup>75</sup> NMR. Physical Review B, 2017, 96, .	3.2	10
34	Magnon spectrum of the helimagnetic insulator Cu <sub>2</sub> OSeO <sub>3</sub> . Nature Communications, 2016, 7, 10725.	12.8	38
35	Magnetic anisotropy in the frustrated spin-chain compound $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{a} \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle$ Physical Review B, 2016, 94, .	3.2	10
36	Atomic interactions in the intermetallic catalyst GaPd. Molecular Physics, 2016, 114, 1250-1259.	1.7	24

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37	Nearly free electrons in a 5 <i>d</i> delafossite oxide metal. Science Advances, 2015, 1, e1500692.	10.3	56
38	Synthesis, crystal structure and properties of the new superconductors TaRuB and NbOsB. Journal of Physics Condensed Matter, 2015, 27, 415701.	1.8	16
39	Magnetic and electronic structure of the frustrated spin-chain compound linarite $\text{PbCuSO}_4\text{OH}$ . Physical Review B, 2014, 90, .	3.2	14
40	Nearly compensated exchange in the dimer compound callaghanite $\text{Cu}_2\text{Mg}_2(\text{CO}_3)(\text{OH})_6 \cdot 2\text{H}_2\text{O}$ . Physical Review B, 2014, 89, .	3.2	15
41	Microscopic coexistence of magnetism and superconductivity in charge-compensated $\text{Ba}$		

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55	Charge-Doping-Driven Evolution of Magnetism and Non-Fermi-Liquid Behavior in the Filled Skutterudite $CePt_{1-x}Ge_x$ . Physical Review Letters, 2012, 109, 236405.	7.8	24
56	Ca <sub>2</sub> Y <sub>2</sub> Cu <sub>5</sub> O <sub>10</sub> : The First Frustrated Quasi-1D Ferromagnet Close to Criticality. Physical Review Letters, 2012, 109, 117207.	7.8	26
57	Hidden magnetic order in CuNCN. Physical Review B, 2012, 85, .	3.2	10
58	Short-range order of Br and three-dimensional magnetism in (CuBr) <sub>2</sub> LaNbO <sub>7</sub> . Physical Review Letters, 2012, 109, 117207.	3.2	7
59	Pressure-induced successive structural transitions and high-pressure tetragonal phase of Fe <sub>2</sub> VO <sub>2</sub> . Physical Review B, 2012, 86, .	3.2	24
60	Pressure-induced successive structural transitions and high-pressure tetragonal phase of Fe <sub>2</sub> VO <sub>2</sub> . Physical Review B, 2012, 86, .	3.2	21
61	Influence of the transition-metal substitution on the physical properties of Lu <sub>2-x</sub> Ni <sub>21</sub> B <sub>6</sub> . From Pauli-paramagnetism to weak ferromagnetism. Intermetallics, 2012, 20, 104-109.	3.9	3
62	Dumbbells of Five-Connected Silicon Atoms and Superconductivity in the Binary Silicides MSi <sub>3</sub> (M = Ca, Tl). Physical Review Letters, 2012, 109, 117207.	13.7	37
63	Structural Transformation with Negative Volume Expansion. Chemical Bonding and Physical Behavior of TiGePt. Chemistry - A European Journal, 2012, 18, 6272-6283.	3.3	16
64	Magnetic properties of the low-dimensional spin-1/2 magnet Cu <sub>2</sub> VO <sub>2</sub> . Physical Review B, 2012, 86, .	3.2	23
65	Physical properties and valence state of cerium in the filled skutterudite CePt <sub>4-x</sub> Ge <sub>x</sub> . Journal of Physics Condensed Matter, 2011, 23, 465601.	1.8	20
66	Magnetic model for Cu <sub>2</sub> VO <sub>2</sub> . Physical Review B, 2012, 86, .		

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73	NMR Spectroscopy of Intermetallic Compounds: An Experimental and Theoretical Approach to Local Atomic Arrangements in Binary Gallides. Chemistry - A European Journal, 2011, 17, 7560-7568.	3.3	22
74	Enhancement of the upper critical field in codoped iron-arsenic high-temperature superconductors. Journal of Applied Physics, 2011, 110, 123906.	2.5	6
75	Unusual Silicon Connectivities in the Binary Compounds $\text{SrFe}_2\text{P}_2$ , $\text{SrFe}_2\text{As}_2$ , and $\text{SrFe}_2\text{S}_2$ . Angewandte Chemie - International Edition, 2010, 49, 9002-9006.	3.2	26
76	$\text{Ru}_{1-x}\text{Sn}_x\text{In}_3$ , $\text{Ru}_{1-x}\text{Zn}_x\text{In}_3$ , and $\text{Ru}_{1-x}\text{Y}_x\text{In}_3$ "new thermoelectrics based on the semiconductor $\text{RuIn}_3$ ". Journal of Materials Research, 2011, 26, 1886-1893.	2.6	32
77	Ferromagnetic quantum criticality in the quasi-one-dimensional heavy fermion metal $\text{YbNi}_4\text{P}_2$ . New Journal of Physics, 2011, 13, 103014.	2.9	67
78	Coupled anion and cation ordering in $\text{Sr}_3\text{RFe}_4\text{O}_{10.5}$ (R=Y, Ho, Dy) anion-deficient perovskites. Journal of Solid State Chemistry, 2010, 183, 2845-2854.	2.9	14
79	Unusual Silicon Connectivities in the Binary Compounds $\text{GdSi}_5$ , $\text{CeSi}_5$ , and $\text{Ce}_2\text{Si}_7$ . Angewandte Chemie - International Edition, 2010, 49, 9002-9006.	13.8	8
80	Lattice distortions in layered type arsenides $\text{LnTAs}_2$ (Ln=La, Nd, Sm, Gd, Tb; T=Ag, Au): Crystal structures, electronic and magnetic properties. Journal of Solid State Chemistry, 2010, 183, 510-520.	2.9	29
81	Insight into the physics of Fe-pnictides from optical and $T=0$ penetration depth data. Physica C: Superconductivity and Its Applications, 2010, 470, S332-S333.	1.2	5
82	, the antibonding-sister of ?. Solid State Communications, 2010, 150, 2076-2079.	1.9	3
83	Direct space structure solution from precession electron diffraction data: Resolving heavy and light scatterers in $\text{Pb}_{13}\text{Mn}_9\text{O}_{25}$ . Ultramicroscopy, 2010, 110, 881-890.	1.9	26
84	Ge-based skutterudites $\text{MPt}_4\text{Ge}_{12}$ : A comparative $^{195}\text{Pt}$ NMR study. Physica Status Solidi (B): Basic Research, 2010, 247, 740-742.	1.5	10
85	High-pressure synthesis and exotic heavy-fermion behaviour of the filled skutterudite $\text{SmPt}_4\text{Ge}_{12}$ . New Journal of Physics, 2010, 12, 103035.	2.9	25
86	Frustrated square lattice with spatial anisotropy: Crystal structure and magnetic properties of $\text{PbZnVO}$ . Physical Review B, 2010, 81, .	3.2	36
87	Electronic structure and magnetic properties of the spin-gap compound $\text{Cu}_2(\text{PO}_3)_2\text{CH}_2$ : Magnetic versus structural dimers. Physical Review B, 2010, 81, .	3.2	12
88	Interplay of atomic displacements in the quantum magnet $\text{CuCl}$ . Physical Review B, 2010, 82, .	3.2	15
89	Electron penetration into the nucleus and its effect on the quadrupole interaction. Physical Review A, 2010, 81, .	2.5	15
90	Evidence for time-reversal symmetry breaking in superconducting $\text{PrPt}_4$ . Physical Review B, 2010, 82, .	3.2	101

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91	Exploring the spin- $\frac{1}{2}$ frustrated square lattice model with high-field magnetization studies. Physical Review B, 2009, 80, .	3.2	68
92	Extension of the spin- $\frac{1}{2}$ frustrated square lattice model: The case of layered vanadium phosphates. Physical Review B, 2009, 79, .	3.2	83
93	Structural distortion and frustrated magnetic interactions in the layered copper oxychloride $\text{CuCl}$ . Physical Review B, 2009, 79, .	3.2	24
94	Comment on "Electronic structure of spin-1/2 Heisenberg antiferromagnetic systems: $\text{Ba}_2\text{Cu}(\text{PO}_4)_2$ and $\text{Sr}_2\text{Cu}(\text{PO}_4)_2$ ". Physical Review B, 2009, 79, .	3.2	7
95	Electronic structure and magnetic properties of the spin-1/2 Heisenberg system $\text{CuSeO}_5$ . New Journal of Physics, 2009, 11, 113034.	2.9	35
96	Electronic structure and thermodynamic properties of $\text{CeRh}_2\text{Sn}_4$ and $\text{LaRh}_2\text{Sn}_4$ . Journal of Physics Condensed Matter, 2009, 21, 325601.	1.8	11
97	Electronic Structure, Chemical Bonding, and Solid-State NMR Spectroscopy of the Digallides of Ca, Sr, and Ba. Chemistry - A European Journal, 2009, 15, 1673-1684.	3.3	30
98	The polar mixed-valent lanthanum iron(II, III) sulfide $\text{La}_3\text{Fe}_2\text{S}_7$ : Synthesis, crystal and electronic structure, $^{57}\text{Fe}$ Mössbauer spectra, magnetic susceptibility and electrical resistivity. Journal of Solid State Chemistry, 2009, 182, 1136-1141.	2.9	4
99	Electronic structure of $\text{CeRhX}$ (X = Sn, In). European Physical Journal B, 2009, 67, 483-494.	1.5	8
100	Evidence for a reentrant superconducting state in $\text{EuFe}_2$ under pressure. Physical Review B, 2009, 79, .	3.2	151
101	Highly dispersive spin excitations in the chain cuprate $\text{Li}_2\text{CuO}_2$ . Europhysics Letters, 2009, 88, 37002.	2.0	46
102	Superfluid Density and Energy Gap Function of Superconducting $\text{PrPt}_4\text{Ge}_5$ . Physical Review Letters, 2009, 103, 147002.	7.8	59
103	Electronic structure of $\text{Ce}_5\text{Rh}_4\text{Sn}_{10}$ from XPS and band structure calculations. European Physical Journal B, 2008, 63, 1-9.	1.5	14
104	Electrical resistivity and specific heat of single-crystalline $\text{EuFe}_2$ . Physical Review B, 2008, 78, .	3.2	156
105	Magnetic properties of $\text{BaCdVO}_4$ . Physical Review B, 2008, 78, .	3.2	127
106	A strongly frustrated spin-1/2 Heisenberg antiferromagnetic system: $\text{YNi}_2\text{B}_2\text{C}$ and $\text{HoNi}_2\text{B}_2\text{C}$ single crystals. Journal of Physics Condensed Matter, 2008, 20, 175221.	1.8	4
107	Heat and charge transport in $\text{YNi}_2\text{B}_2\text{C}$ and $\text{HoNi}_2\text{B}_2\text{C}$ single crystals. Journal of Physics Condensed Matter, 2008, 20, 175221.	1.8	4
108	Electronic structure and thermodynamic properties of $\text{Ce}_3\text{Rh}_4\text{Sn}_{13}$ and $\text{La}_3\text{Rh}_4\text{Sn}_{13}$ . Journal of Physics Condensed Matter, 2008, 20, 395208.	1.8	28
108	Effect of pressure on the magnetostructural transition in $\text{SrFe}_2$ . Physical Review B, 2008, 78, .	3.2	52



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109	Superconducting State in $\text{SrFe}_2\text{As}_2$ by Internal Doping of the Iron Arsenide Layers. Physical Review Letters, 2008, 101, 207004.	7.8	228
110	Anisotropic Multiband Many-Body Interactions in $\text{LuNi}_2\text{B}_2\text{C}$ . Physical Review Letters, 2008, 100, 257004.	7.8	33
111	Strong coupling between magnetic and structural order parameters in $\text{SrFe}_2\text{As}_2$ . Physical Review Letters, 2008, 100, 257004.	3.2	127
112	Modified Kagome Physics in the Natural Spin Kagome Lattice Systems: Kapellasite $\text{Cu}_2\text{ZnCu}_3\text{O}_{10}$ . Physical Review Letters, 2008, 100, 237202.	7.8	72
113	Quasi-One-Dimensional Magnetism Driven by Unusual Orbital Ordering in $\text{Cu}_2\text{O}(\text{OH})_2$ . Physical Review Letters, 2008, 100, 237202.	7.8	22
114	Helimagnetism and weak ferromagnetism in $\text{NaCu}_2\text{O}_2$ and related frustrated chain cuprates. Journal of Physics Condensed Matter, 2007, 19, 145230.	1.8	18
115	Ferromagnetism Induced by Orbital Order in the Charge-Transfer Insulator $\text{Cs}_2\text{AgF}_4$ : An Electronic Structure Study. Physical Review Letters, 2007, 99, 247210.	7.8	30
116	Application of spark plasma sintering to the fabrication of binary and ternary skutterudites. Science and Technology of Advanced Materials, 2007, 8, 357-363.	6.1	70
117	$\text{Cu}^{\text{II}}$ materials – From crystal chemistry to magnetic model compounds. Science and Technology of Advanced Materials, 2007, 8, 352-356.	6.1	5
118	Helimagnetism and weak ferromagnetism in edge-shared chain cuprates. Journal of Magnetism and Magnetic Materials, 2007, 316, 306-312.	2.3	48
119	Electron Localization Function in Full-Potential Representation for Crystalline Materials. Journal of Physical Chemistry A, 2006, 110, 1100-1105.	2.5	98
120	The intrinsic defect structure of $\text{Al}_2\text{B}_2$ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 2083-2083.	1.2	0
121	Electronic and magnetic properties of the spin 1/2 compound $\text{Na}_3\text{Cu}_2\text{SbO}_6$ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 2091-2091.	1.2	2
122	Magneto-elastic lattice collapse in $\text{YCo}_5$ . Nature Physics, 2006, 2, 469-472.	16.7	50
123	$\text{Ba}_2[\text{Ni}_3\text{N}_2]$ : A Low-Valent Nitridonickelate – Synthesis, Crystal Structure, and Physical Properties. Chemistry - A European Journal, 2006, 12, 1667-1676.	3.3	8
124	$(\text{Ca}_7\text{N}_4)[\text{M}_x]$ (M=Ag, Ga, In, Tl): Linear Metal Chains as Guests in a Subnitride Host. Angewandte Chemie - International Edition, 2006, 45, 6681-6685.	13.8	22
125	Phase formation and ferrimagnetism of $\text{GdCo}_9\text{Si}_4$ . Journal of Physics Condensed Matter, 2006, 18, 4567-4580.	1.8	11
126	High spin polarization in the ferromagnetic filled skutterudites $\text{KFe}_4\text{Sb}_{12}$ and $\text{NaFe}_4\text{Sb}_{12}$ . Physical Review B, 2005, 72, .	3.2	18



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127	Quantum helimagnetism of the frustrated spin- $\hat{A}1/2$ chain LiCuVO 4. Europhysics Letters, 2005, 70, 237-243.	2.0	230
128	TiOCl, an orbital-ordered system?. Europhysics Letters, 2004, 67, 63-69.	2.0	44
129	Ae[Be <sub>2</sub> N <sub>2</sub> ]: Nitridoberyllates of the Heavier Alkaline-Earth Metals. Angewandte Chemie - International Edition, 2004, 43, 1088-1092.	13.8	15
130	A Comparative Study of MgB <sub>2</sub> and Other Diborides. Journal of Low Temperature Physics, 2003, 131, 1159-1163.	1.4	6
131	Conventional Electronic Structure of MgB <sub>2</sub> and ZrB <sub>2</sub> : LDA vs. de Haas-v. Alphen & ARPES Data. Journal of Low Temperature Physics, 2003, 131, 1175-1180.	1.4	2
132	Analysis of Possible Field-Induced Superconductivity in Anthracene, Other Polyacenes, and C <sub>60</sub> . Journal of Low Temperature Physics, 2003, 131, 1245-1249.	1.4	1
133	Microscopic analysis of insulating magnetism of La <sub>4</sub> Ba <sub>2</sub> Cu <sub>2</sub> O <sub>10</sub> and Nd <sub>4</sub> Ba <sub>2</sub> Cu <sub>2</sub> O <sub>10</sub> . Journal of Solid State Chemistry, 2003, 171, 329-333.	2.9	3
134	Vibrational modes in LiBC: theory and experiment. Physica B: Condensed Matter, 2003, 328, 1-5.	2.7	21
135	Role of two dimensionality in MgB <sub>2</sub> . Physica C: Superconductivity and Its Applications, 2003, 387, 117-121.	1.2	19
136	Features of the electron density in magnesium diboride: reconstruction from X-ray diffraction data and comparison with TB-LMTO and FPLO calculations. Acta Crystallographica Section B: Structural Science, 2003, 59, 575-583.	1.8	33
137	Electronic structure and aspects of unconventional superconductivity in Na <sub>x</sub> CoO <sub>2</sub> .yH <sub>2</sub> O. Brazilian Journal of Physics, 2003, 33, 718-722.	1.4	8
138	Prediction of HighTcSuperconductivity in Hole-Doped LiBC. Physical Review Letters, 2002, 88, 127001.	7.8	190
139	ELECTRONIC STRUCTURE AND EXCHANGE IN Li <sub>2</sub> VOSiO <sub>4</sub> . International Journal of Modern Physics B, 2002, 16, 1649-1653.	2.0	2
140	THEORETICAL ASPECTS OF THE FIELD INDUCED SUPERCONDUCTIVITY IN POLYACENES AND C <sub>60</sub> . International Journal of Modern Physics B, 2002, 16, 1547-1551.	2.0	1
141	Doped holes in edge-shared CuO 2 chains and the dynamic spectral weight transfer in X-ray absorption spectroscopy. Europhysics Letters, 2002, 59, 135-141.	2.0	18
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