

# Christian Hess

## List of Publications by Year in Descending Order

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

143  
papers

4,928  
citations

36  
h-index

65  
g-index

150  
ext. papers

5,517  
ext. citations

4.8  
avg, IF

5.07  
L-index

#	Paper	IF	Citations
143	Evidence for a percolative Mott insulator-metal transition in doped Sr2IrO4. <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	1
142	Laser-Assisted Floating Zone Growth of BaFe2S3 Large-Sized Ferromagnetic-Impurity-Free Single Crystals. <i>Crystals</i> , <b>2021</b> , 11, 758	2.3	0
141	Thermoelectric Properties of Novel Semimetals: A Case Study of YbMnSb. <i>Advanced Materials</i> , <b>2021</b> , 33, e2003168	24	15
140	Mg3(Bi,Sb)2 single crystals towards high thermoelectric performance. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 1717-1724	35.4	41
139	Substrate-Independent Magnetic Bistability in Monolayers of the Single-Molecule Magnet Dy2ScN@C80 on Metals and Insulators. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 5805-5813	3.6	0
138	High-field thermal transport properties of the Kitaev quantum magnet $\text{URuCl}_3$ : Evidence for low-energy excitations beyond the critical field. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	5
137	Incommensurate magnet iron monophosphide FeP: Crystal growth and characterization. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	2
136	Hydrodynamical description for magneto-transport in the strange metal phase of Bi-2201. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	12
135	Disorder-induced coupling of Weyl nodes in WTe2. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	1
134	Substrate-Independent Magnetic Bistability in Monolayers of the Single-Molecule Magnet Dy ScN@C on Metals and Insulators. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 5756-5764	16.4	12
133	Evolution of the Nematic Susceptibility in LaFe_{1-x}Co_xAsO. <i>Physical Review Letters</i> , <b>2020</b> , 125, 067001	14	4
132	La6Pd2+xSb15 (x = 0.28): A rare-earth palladium intermetallic compound with extended pnictogen ribbons. <i>Journal of Solid State Chemistry</i> , <b>2020</b> , 291, 121578	3.3	2
131	Spectroscopic evidence of nematic fluctuations in LiFeAs. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	3
130	Large thermal Hall effect in $\text{URuCl}_3$ : Evidence for heat transport by Kitaev-Heisenberg paramagnons. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	30
129	Heat transport of cuprate-based low-dimensional quantum magnets with strong exchange coupling. <i>Physics Reports</i> , <b>2019</b> , 811, 1-38	27.7	12
128	Spin-polaron ladder spectrum of the spin-orbit-induced Mott insulator Sr2IrO4 probed by scanning tunneling spectroscopy. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	2
127	Chemical Aspects of the Candidate Antiferromagnetic Topological Insulator MnBi2Te4. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 2795-2806	9.6	114

126	Berry curvature unravelled by the anomalous Nernst effect in Mn <sub>3</sub> Ge. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	40
125	Topological Electronic Structure and Intrinsic Magnetization in MnBi <sub>4</sub> Te <sub>7</sub> : A Bi <sub>2</sub> Te <sub>3</sub> Derivative with a Periodic Mn Sublattice. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	51
124	Impact of concomitant Y and Mn substitution on superconductivity in La <sub>1-x</sub> Y <sub>x</sub> Fe <sub>1-x</sub> Mn <sub>x</sub> AsO <sub>0.89F0.11</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	6
123	Unusual Phonon Heat Transport in $\bar{D}$ -RuCl <sub>3</sub> : Strong Spin-Phonon Scattering and Field-Induced Spin Gap. <i>Physical Review Letters</i> , <b>2018</b> , 120, 117204	7.4	88
122	An ultra-high vacuum scanning tunneling microscope operating at sub-Kelvin temperatures and high magnetic fields for spin-resolved measurements. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 065104	1.7	2
121	Anomalous Nernst effect and field-induced Lifshitz transition in the Weyl semimetals TaP and TaAs. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	28
120	Defect states in LiFeAs as seen by low-temperature scanning tunneling microscopy and spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1600159	1.3	5
119	A calorimetric investigation of RbFe <sub>2</sub> As <sub>2</sub> single crystals. <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1600208	1.3	9
118	Chemical vapor transport and characterization of MnBi <sub>2</sub> Se <sub>4</sub> . <i>Journal of Crystal Growth</i> , <b>2017</b> , 459, 81-86	1.6	13
117	Effect of different in-chain impurities on the magnetic properties of the spin chain compound SrCuO <sub>2</sub> probed by NMR. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	5
116	Spin pseudogap in the S=12 chain material Sr <sub>2</sub> CuO <sub>3</sub> with impurities. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	8
115	Nematicity in LaFeAsO <sub>1-x</sub> F <sub>x</sub> . <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1600214	1.3	5
114	Adsorption characteristics of ErN@Con W(110) and Au(111) studied via scanning tunneling microscopy and spectroscopy. <i>Beilstein Journal of Nanotechnology</i> , <b>2017</b> , 8, 1127-1134	3	4
113	Ba <sub>2</sub> YIrO <sub>6</sub> : A cubic double perovskite material with Ir <sup>5+</sup> ions. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	71
112	Unusual magnetotransport properties in a FeAs single crystal. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	4
111	Magnetic ordering in the ultrapure site-diluted spin chain materials SrCu <sub>1-x</sub> Ni <sub>x</sub> O <sub>2</sub> . <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	6
110	Magnetotransport and de Haas-van Alphen measurements in the type-II Weyl semimetal TaIrTe <sub>4</sub> . <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	44
109	Single crystal growth of spin-ladder compound La <sub>8</sub> Cu <sub>7</sub> O <sub>19</sub> by the travelling-solvent floating zone method. <i>Journal of Crystal Growth</i> , <b>2016</b> , 448, 21-28	1.6	1

108	Pseudospin transport in the $J$ eff = 1/2 antiferromagnet Sr <sub>2</sub> IrO <sub>4</sub> . <i>Europhysics Letters</i> , <b>2016</b> , 114, 57007	1.6	8
107	Combined resistivity and Hall effect study on NaFe <sub>1-x</sub> Rh <sub>x</sub> As single crystals. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	4
106	Two distinct superconducting phases in LiFeAs. <i>Scientific Reports</i> , <b>2016</b> , 6, 27926	4.9	11
105	STM Study of Au(111) Surface-Grafted Paramagnetic Macrocyclic Complexes [Ni <sub>2</sub> L(Hmba)] <sup>+</sup> via Ambidentate Coligands. <i>Langmuir</i> , <b>2016</b> , 32, 4464-71	4	7
104	Physical properties optimization of polycrystalline LiFeAs. <i>Physica C: Superconductivity and Its Applications</i> , <b>2016</b> , 529, 8-20	1.3	1
103	Spin dynamics and magnetic interactions of Mn dopants in the topological insulator Bi <sub>2</sub> Te <sub>3</sub> . <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	17
102	Granular behavior observed in the polycrystalline superconducting LiFeAs. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 025006	3.1	6
101	Suppression of the impurity-induced local magnetism by the opening of a spin pseudogap in Ni-doped Sr <sub>2</sub> CuO <sub>3</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	7
100	Characterization of Doped Na(Fe <sub>1-x</sub> T <sub>x</sub> )As Single Crystals with T = Pd, Ni, Cr, and Mn. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2015</b> , 28, 1123-1127	1.5	3
99	Crystal growth and electronic phase diagram of 4d-doped Na <sub>1-x</sub> Be <sub>1-x</sub> Rh <sub>x</sub> As in comparison to 3d-doped Na <sub>1-x</sub> Be <sub>1-x</sub> Co <sub>x</sub> As. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	13
98	Superconducting spin-valve effect and triplet superconductivity in CoO <sub>x</sub> /Fe <sub>1</sub> /Cu/Fe <sub>2</sub> /Cu/Pb multilayer. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	30
97	Thermoelectric effects and magnetic anisotropy of Ga <sub>1-x</sub> Mn <sub>x</sub> As thin films. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	21
96	Growth of single crystalline delafossite LaCuO <sub>2</sub> by the travelling-solvent floating zone method. <i>Journal of Crystal Growth</i> , <b>2014</b> , 402, 304-307	1.6	4
95	Crystal Growth, Structure, and Transport Properties of the Charge-Transfer Salt Picene/2,3,5,6-Tetrafluoro-7,7,8,8-tetracyanoquinodimethane. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 1338-1346	2.5	54
94	Specific heat of Ca <sub>0.32</sub> Na <sub>0.68</sub> Fe <sub>2</sub> As <sub>2</sub> single crystals: Unconventional s <sub>±</sub> multiband superconductivity with intermediate repulsive interband coupling and sizable attractive intraband couplings. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	23
93	Spin gap in the single spin-1/2 chain cuprate Sr <sub>1.9</sub> Ca <sub>0.1</sub> CuO <sub>3</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	14
92	Spin density wave order and fluctuations in Mn <sub>3</sub> Si : A transport study. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	6
91	Bond disorder and spinon heat transport in the S=1/2 Heisenberg spin chain compound Sr <sub>2</sub> CuO <sub>3</sub> : From clean to dirty limits. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	14

90	Half-metallic ferromagnetism with unexpectedly small spin splitting in the Heusler compound Co <sub>2</sub> FeSi. <i>Physical Review Letters</i> , <b>2013</b> , 110, 066601	7.4	83
89	Disordered magnetism in superconducting KFe <sub>2</sub> As <sub>2</sub> single crystals. <i>Physica Status Solidi (B): Basic Research</i> , <b>2013</b> , 250, 593-598	1.3	12
88	Evidence for a vortex-glass transition in superconducting Ba(Fe <sub>0.9</sub> Co <sub>0.1</sub> ) <sub>2</sub> As <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 505701	1.8	13
87	Evidence of d-wave superconductivity in K <sub>1-x</sub> NaxFe <sub>2</sub> As <sub>2</sub> (x=0,0.1) single crystals from low-temperature specific-heat measurements. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	36
86	Interband quasiparticle scattering in superconducting LiFeAs reconciles photoemission and tunneling measurements. <i>Physical Review Letters</i> , <b>2013</b> , 110, 017006	7.4	13
85	Structural study of monolayer cobalt phthalocyanine adsorbed on graphite. <i>Surface Science</i> , <b>2013</b> , 608, 55-60	1.8	16
84	Phonon-magnon interaction in low dimensional quantum magnets observed by dynamic heat transport measurements. <i>Physical Review Letters</i> , <b>2013</b> , 110, 147206	7.4	23
83	Spin pseudogap in Ni-doped SrCuO <sub>2</sub> . <i>Physical Review Letters</i> , <b>2013</b> , 111, 067204	7.4	33
82	Low temperature ballistic spin transport in the S = 1/2 antiferromagnetic Heisenberg chain compound SrCuO <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 365601	1.8	12
81	Role of in-plane and out-of-plane dilution in CeFeAsO: Charge doping versus disorder. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	26
80	Gd <sup>3+</sup> electron spin resonance spectroscopy on LaO <sub>1-x</sub> F <sub>x</sub> FeAs superconductors. <i>Journal of Experimental and Theoretical Physics</i> , <b>2012</b> , 114, 662-670	1	3
79	Incommensurate magnetic fluctuations and Fermi surface topology in LiFeAs. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	25
78	Probing local hydrogen impurities in quasi-free-standing graphene. <i>ACS Nano</i> , <b>2012</b> , 6, 10590-7	16.7	22
77	Spinon heat transport and spin-phonon interaction in the spin-1/2 Heisenberg chain cuprates Sr <sub>2</sub> CuO <sub>3</sub> and SrCuO <sub>2</sub> . <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2012</b> , 2012, P03006	1.9	26
76	Magnetic frustration, phase competition, and the magnetoelectric effect in NdFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . <i>Physical Review Letters</i> , <b>2012</b> , 109, 267202	7.4	21
75	Probing the unconventional superconducting state of LiFeAs by quasiparticle interference. <i>Physical Review Letters</i> , <b>2012</b> , 108, 127001	7.4	59
74	Hole doping in BaFe <sub>2</sub> As <sub>2</sub> : The case of Ba <sub>1-x</sub> NaxFe <sub>2</sub> As <sub>2</sub> single crystals. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	34
73	Specific heat and upper critical fields in KFe <sub>2</sub> As <sub>2</sub> single crystals. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	73

72	Publisher's Note: Specific heat and upper critical fields in $\text{KFe}_2\text{As}_2$ single crystals [Phys. Rev. B 85, 134533 (2012)]. <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	2
71	Phase diagram of the iron arsenide superconductors $\text{Ca}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ ( $0 \leq x \leq 0.2$ ). <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	59
70	Transport and thermal properties of single- and polycrystalline $\text{NiZr}_{0.5}\text{Hf}_{0.5}\text{Sn}$ . <i>Applied Physics Letters</i> , <b>2011</b> , 99, 152112	3-4	16
69	Resistivity and Hall effect of $\text{LiFeAs}$ : Evidence for electron-electron scattering. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	33
68	Raman evidence for the superconducting gap and spin-phonon coupling in the superconductor $\text{Ca}(\text{Fe}_{0.95}\text{Co}_{0.05})_2\text{As}_2$ . <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 255403	1-8	8
67	Single crystal growth and physical properties of superconducting ferro-pnictides $\text{Ba}(\text{Fe}, \text{Co})_2\text{As}_2$ grown using self-flux and Bridgman techniques. <i>Journal of Crystal Growth</i> , <b>2011</b> , 314, 341-348	1-6	23
66	Unusual Nernst effect and spin density wave precursors in superconducting $\text{LaFeAsO}_{1-x}\text{F}_x$ . <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	18
65	Suppressed superconductivity in charge-doped $\text{Li}(\text{Fe}_{1-x}\text{Co}_x)\text{As}$ single crystals. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	13
64	Photoemission-induced gating of topological insulators. <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	31
63	Bond disorder and breakdown of ballistic heat transport in the spin-1/2 antiferromagnetic Heisenberg chain as seen in Ca-doped $\text{SrCuO}_2$ . <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	16
62	Spin gap in the zigzag spin-1/2 chain cuprate $\text{Sr}_{0.9}\text{Ca}_{0.1}\text{CuO}_2$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 017203	7-4	27
61	High-field electron spin resonance spectroscopy study of $\text{GdFeAsO}_{1-x}\text{F}_x$ superconductors. <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	18
60	Observation of the Fermi surface, the band structure, and their diffraction replicas of $\text{Sr}_{14-x}\text{Ca}_x\text{Cu}_{24}\text{O}_{41}$ by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	7
59	Plasmons and interband transitions of $\text{Ca}_{11}\text{Sr}_3\text{Cu}_{24}\text{O}_{41}$ investigated by electron energy-loss spectroscopy. <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	6
58	Pinning effects in ceramic $\text{SmO}_{1-x}\text{F}_x\text{FeAs}$ as revealed by microwave absorption. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	18
57	Crystal and magnetic structure of the oxypnictide superconductor $\text{LaFeAsO}_{1-x}\text{F}_x$ : A neutron-diffraction study. <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	72
56	Bridging charge-orbital ordering and Fermi surface instabilities in half-doped single-layered manganite $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_3$ . <i>Physical Review Letters</i> , <b>2010</b> , 105, 147201	7-4	14
55	Graphene synthesis on cubic SiC/Si wafers. perspectives for mass production of graphene-based electronic devices. <i>Nano Letters</i> , <b>2010</b> , 10, 992-5	11-5	164

54	Magnetodielectric and magnetoelastic coupling in TbFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	43
53	Ballistic heat transport of quantum spin excitations as seen in SrCuO <sub>2</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	108
52	Critical current and vortex dynamics in single crystals of Ca(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	31
51	Nonresonant x-ray magnetic scattering on rare-earth iron borates RFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	25
50	Heat conductivity of the spin-Peierls compounds TiOCl and TiOBr. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	2
49	Local antiferromagnetic correlations in the iron pnictide superconductors LaFeAsO <sub>1-x</sub> F <sub>x</sub> and Ca(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> as seen via normal-state susceptibility. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	95
48	Single Crystal Growth and Characterization of Superconducting LiFeAs. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 4428-4432	3-5	46
47	Nernst effect of stripe ordering La <sub>1.8</sub> Eu <sub>0.2</sub> Sr <sub>x</sub> CuO <sub>4</sub> . <i>European Physical Journal: Special Topics</i> , <b>2010</b> , 188, 103-112	2-3	18
46	High Field ESR Spectroscopy on GdO <sub>1-x</sub> F <sub>x</sub> FeAs. <i>Journal of Low Temperature Physics</i> , <b>2010</b> , 159, 172-175.	3	
45	Imaging the essential role of spin fluctuations in high-T <sub>c</sub> superconductivity. <i>Physical Review Letters</i> , <b>2009</b> , 103, 227001	7-4	38
44	Thermal expansion of LaFeAsO <sub>1-x</sub> F <sub>x</sub> : Evidence for high-temperature fluctuations. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	26
43	Highly ordered, half-metallic Co <sub>2</sub> FeSi single crystals. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 161903	3-4	43
42	The intrinsic electronic phase diagram of iron-oxypnictide superconductors. <i>Europhysics Letters</i> , <b>2009</b> , 87, 17005	1-6	103
41	1-(Alpha-aminobenzyl)-2-naphthol: a new chiral auxiliary for the synthesis of enantiopure alpha-aminophosphonic acids. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 6718-22	4-8	35
40	The electronic phase diagram of the LaO(1-x)F(x)FeAs superconductor. <i>Nature Materials</i> , <b>2009</b> , 8, 305-9	27	363
39	Surface of underdoped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> revealed by STM/STS. <i>European Physical Journal B</i> , <b>2009</b> , 69, 483-489	1-2	5
38	Synthesis and physical properties of LaO <sub>1-x</sub> F <sub>x</sub> FeAs. <i>European Physical Journal B</i> , <b>2009</b> , 70, 461-468	1-2	41
37	Andreev spectroscopy of LaFeAsO <sub>0.9</sub> F <sub>0.1</sub> . <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	31

36	Temperature and doping-dependent renormalization effects of the low energy electronic structure of Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> single crystals. <i>Physical Review Letters</i> , <b>2009</b> , 102, 167001	7.4	20
35	Interplay of rare earth and iron magnetism in RFeAsO (R=La, Ce, Pr, and Sm): Muon-spin relaxation study and symmetry analysis. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	114
34	<sup>75</sup> As NMR studies of superconducting LaFeAsO <sub>0.9</sub> F <sub>0.1</sub> . <i>Physical Review Letters</i> , <b>2008</b> , 101, 047003	7.4	254
33	Upper critical field, penetration depth, and depinning frequency of the high-temperature superconductor LaFeAsO <sub>0.9</sub> F <sub>0.1</sub> studied by microwave surface impedance. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	17
32	Commensurate spin density wave in LaFeAsO: a local probe study. <i>Physical Review Letters</i> , <b>2008</b> , 101, 077005	7.4	258
31	High-field pauli-limiting behavior and strongly enhanced upper critical magnetic fields near the transition temperature of an arsenic-deficient LaO <sub>0.9</sub> F <sub>0.1</sub> FeAs <sub>1-<math>\delta</math></sub> superconductor. <i>Physical Review Letters</i> , <b>2008</b> , 101, 237003	7.4	76
30	Magnetic ordering and negative thermal expansion in PrFeAsO. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	87
29	Optical study of LaO <sub>0.9</sub> F <sub>0.1</sub> FeAs: evidence for a weakly coupled superconducting state. <i>Physical Review Letters</i> , <b>2008</b> , 101, 257004	7.4	22
28	Field and temperature dependence of the superfluid density in LaFeAsO <sub>1-x</sub> F <sub>x</sub> superconductors: a muon spin relaxation study. <i>Physical Review Letters</i> , <b>2008</b> , 101, 097009	7.4	160
27	Crossover in charge transport from one-dimensional copper-oxygen chains to two-dimensional ladders in (La,Y) <sub>y</sub> (Sr,Ca) <sub>14-x</sub> Cu <sub>24</sub> O <sub>41</sub> . <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	4
26	Spectroscopic investigations on layered sodium cobaltates. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 460-462, 487-488	1.3	
25	Thermal conductivity of underdoped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 460-462, 746-747	1.3	4
24	The low-dimensional spin magnet CaCu <sub>2</sub> O <sub>3</sub> probed by high-field ESR. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 1251-1253	2.8	1
23	Magnon-hole scattering in. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, e412-e414	2.8	2
22	Thermodynamic properties of NdFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 316, e621-e623	2.8	19
21	Magnetic and thermal properties of single-crystal NdFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . <i>Journal of Experimental and Theoretical Physics</i> , <b>2007</b> , 105, 105-107	1	15
20	Heat conduction in low-dimensional quantum magnets. <i>European Physical Journal: Special Topics</i> , <b>2007</b> , 151, 73-83	2.3	131
19	One- and two-triplon spectra of a cuprate ladder. <i>Physical Review Letters</i> , <b>2007</b> , 98, 027403	7.4	85



18	Magnetization and specific heat of TbFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> : Experiment and crystal-field calculations. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	67
17	Linear temperature dependence of the magnetic heat conductivity in CaCu <sub>2</sub> O <sub>3</sub> . <i>Physical Review Letters</i> , <b>2007</b> , 98, 027201	7.4	46
16	Magnon heat conductivity and mean free paths in two-leg spin ladders: A model-independent determination. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	31
15	X-ray absorption spectroscopy of Na <sub>x</sub> CoO <sub>2</sub> layered cobaltates. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	28
14	Heat transport in doped . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 290-291, 334-337	2.8	17
13	Scattering processes and magnon thermal conductivity in La <sub>5</sub> Ca <sub>9</sub> Cu <sub>24</sub> O <sub>41</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 290-291, 322-325	2.8	15
12	Phonon thermal conductivity in single layered manganites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 290-291, 937-939	2.8	3
11	Phase diagrams of (La,Y,Sr,Ca) <sub>14</sub> Cu <sub>24</sub> O <sub>41</sub> : Switching between the ladders and the chains. <i>European Physical Journal Special Topics</i> , <b>2005</b> , 131, 299-304		3
10	Magnon-hole scattering and charge order in Sr <sub>14-x</sub> Ca <sub>x</sub> Cu <sub>24</sub> O <sub>41</sub> . <i>Physical Review Letters</i> , <b>2004</b> , 93, 027005	7.4	48
9	Thermal conductivity of doped (mathsf{La_2CuO_4}) as an example for heat transport by optical phonons in complex materials. <i>European Physical Journal B</i> , <b>2004</b> , 38, 37-41	1.2	17
8	Phonon thermal conductivity in doped La <sub>2</sub> CuO <sub>4</sub> : Relevant scattering mechanisms. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	26
7	Magnon heat transport in doped La <sub>2</sub> CuO <sub>4</sub> . <i>Physical Review Letters</i> , <b>2003</b> , 90, 197002	7.4	75
6	Anisotropic CE-type orbital correlations in the ferromagnetic metallic phase of Nd <sub>1/2</sub> Sr <sub>1/2</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	32
5	Thermal and electronic transport properties and two-phase mixtures in La <sub>(5/8-x)</sub> Pr <sub>(x)</sub> Ca <sub>(3/8)</sub> MnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2000</b> , 84, 2961-4	7.4	173
4	Phonon thermal conductivity and stripe correlations in La <sub>2-x</sub> Sr <sub>x</sub> NiO <sub>4</sub> and Sr <sub>1.5</sub> La <sub>0.5</sub> MnO <sub>4</sub> . <i>Physical Review B</i> , <b>1999</b> , 59, R10397-R10400	3.3	25
3	Phonon Thermal Conductivity of Stripe Ordering La <sub>2-x</sub> Sr <sub>x</sub> NiO <sub>4</sub> . <i>Journal of Low Temperature Physics</i> , <b>1999</b> , 117, 1083-1087	1.3	4
2	Study of the high-spin structure of <sup>146</sup> Pm. <i>Nuclear Physics A</i> , <b>1995</b> , 588, 767-782	1.3	10
1	State with spontaneously broken time-reversal symmetry above the superconducting phase transition. <i>Nature Physics</i> ,	16.2	4

