

Philipp Gegenwart

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9182796/publications.pdf>

Version: 2024-02-01

278
papers

14,293
citations

26630

56
h-index

22166

113
g-index

281
all docs

281
docs citations

281
times ranked

6728
citing authors

#	ARTICLE	IF	CITATIONS
1	Kitaev Magnetism through the Prism of Lithium Iridate. <i>Physica Status Solidi (B): Basic Research</i> , 2022, 259, 2100146.	1.5	14
2	Pressure-induced dimerization and collapse of antiferromagnetism in the Kitaev material Li_2IrO_4 . <i>Physical Review B</i> , 2022, 105, .	3.2	12
3	Complex transport and magnetism of the ternary boride YbPt_5B_2 . <i>Physical Review B</i> , 2022, 105, .	3.2	3
4	Spin-liquid signatures in the quantum critical regime of pressurized CePdAl. <i>Physical Review B</i> , 2022, 105, .	3.2	7
5	From Electronic Correlations to Functionality. <i>Physica Status Solidi (B): Basic Research</i> , 2022, 259, .	1.5	0
6	Resolving structural changes and symmetry lowering in spinel FeCr_2S_4 . <i>Physical Review B</i> , 2022, 105, .	3.2	3
7	Divergent thermal expansion and Gr $\frac{1}{4}$ neisen ratio in a quadrupolar Kondo metal. <i>Physical Review Research</i> , 2022, 4, .	3.6	2
8	Surface Conductivity of the Honeycomb Spin $\frac{1}{2}$ Orbit Mott Insulator Na_2IrO_3 . <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000421.	1.5	1
9	Angle-dependent thermodynamics of Li_2RuO_4 . <i>Physical Review B</i> , 2021, 103, .	3.2	4
10	Linkage between scattering rates and superconductivity in doped ferropnictides. <i>Physical Review B</i> , 2021, 103, .	3.2	9
11	Frustrated magnet for adiabatic demagnetization cooling to milli-Kelvin temperatures. <i>Communications Materials</i> , 2021, 2, .	6.9	34
12	Antiferromagnetic Correlations in Strongly Valence Fluctuating CeIrSn. <i>Physical Review Letters</i> , 2021, 126, 217202.	7.8	6
13	Topological magnetic order and superconductivity in EuRb_2O_7 . <i>Physical Review B</i> , 2021, 103, .	3.2	2
14	Angular dependence of Hall effect and magnetoresistance in SrRuO_3 heterostructures. <i>Physical Review B</i> , 2021, 103, .	3.2	5
15	Interplay of magnetism and dimerization in the pressurized Kitaev material Li_2IrO_4 . <i>Physical Review B</i> , 2021, 104, .	3.2	1
16	Electronic reconstruction and charge transfer in strained Sr_2RuO_6 double perovskite. <i>Physical Review B</i> , 2021, 104, .	3.2	2
17	Field evolution of the spin-liquid candidate YbMgGaO_4 . <i>Physical Review B</i> , 2020, 102, .	3.2	9
18	Thermodynamic Perspective on Field-Induced Behavior of Li_2RuCl_4 . <i>Physical Review Letters</i> , 2020, 125, 097203.	7.8	42

#	ARTICLE	IF	CITATIONS
19	Strain-driven structure-ferroelectricity relationship in hexagonal TbMnO_3 films. Physical Review B, 2020, 102, .	3.2	3
20	Fragile superheavy Fermi liquid in $\text{YbCo}_2\text{Zn}_{20}$. Physical Review B, 2020, 101, .	3.2	3
21	Field evolution of low-energy excitations in the hyperhoneycomb magnet YbMn_2O_7 . Physical Review B, 2020, 101, .	3.2	3
22	Spin liquids in geometrically perfect triangular antiferromagnets. Journal of Physics Condensed Matter, 2020, 32, 224004.	1.8	34
23	Realization of the kagome spin ice state in a frustrated intermetallic compound. Science, 2020, 367, 1218-1223.	12.6	35
24	Partial Up-Up-Down Order with the Continuously Distributed Order Parameter in the Triangular Antiferromagnet TmMgGaO . Physical Review X, 2020, 10, .	8.9	22
25	Epitaxial growth and orientation-dependent anomalous Hall effect of noncollinear antiferromagnetic $\text{Mn}_3\text{Ni}_0.35\text{Cu}_0.65\text{N}$ films. Journal of Applied Physics, 2020, 127, 113907.	2.5	4
26	Soft and anisotropic local moments in Mn_4O and Mn_5O mixed-valence MnO . Physical Review B, 2020, 101, .	3.2	3
27	Magnetic frustration in a metallic fcc lattice. Physical Review Research, 2020, 2, .	3.6	9
28	Persistent spin dynamics in the pressurized spin-liquid candidate YbMgGaO_4 . Physical Review Research, 2020, 2, .	3.6	11
29	Fingerprints of Kitaev physics in the magnetic excitations of honeycomb iridates. Physical Review Research, 2020, 2, .	3.6	22
30	Anomalous Hall effect in the noncollinear antiferromagnetic antiperovskite Mn_2N . Physical Review B, 2019, 100, .	3.2	27
31	Optical signature of the pressure-induced dimerization in the honeycomb iridate Li_2IrO_3 . Physical Review B, 2019, 99, .	3.2	11
32	Pressure-induced formation of rhodium zigzag chains in the honeycomb rhodate Li_2RhO_3 . Physical Review B, 2019, 100, .	3.2	11
33	Gapless spin-liquid state in the structurally disorder-free triangular antiferromagnet NaYbO_2 . Physical Review B, 2019, 100, .	3.2	10
34	Anisotropic exchange Hamiltonian, magnetic phase diagram, and domain inversion of Nd_2O_7 . Physical Review B, 2019, 99, .	3.2	15
35	Structural, thermodynamic, and local probe investigations of the honeycomb material Ag_3O . Physical Review B, 2019, 99, .	3.2	10
36	Rearrangement of Uncorrelated Valence Bonds Evidenced by Low-Energy Spin Excitations in YbMgGaO_4 . Physical Review Letters, 2019, 122, 137201.	7.8	34

#	ARTICLE	IF	CITATIONS
37	Spin dynamics and field-induced magnetic phase transition in the honeycomb Kitaev magnet Ir_2Te_7 . Physical Review B, 2019, 99, .	3.2	9
38	Highly anisotropic strain dependencies in $\text{PrIr}_2\text{Zn}_{20}$. Physical Review B, 2019, 99, .	3.2	9
39	Unconventional magnetism in the Ir_2Te_7 honeycomb system. Physical Review B, 2019, 99, .	3.2	15
40	High-resolution resonant inelastic x-ray scattering study of the electron-phonon coupling in AgFeTe_2 honeycomb. Physical Review B, 2019, 100, .	3.2	17
41	Quantum-critical phase from frustrated magnetism in a strongly correlated metal. Nature Physics, 2019, 15, 1261-1266.	16.7	66
42	Anisotropic temperature-field phase diagram of single crystalline LiFePO_4 : Magnetization, specific heat, and Li^+ ordering under pressure. Physical Review B, 2019, 99, .	2.4	17
43	Structure-magnetic property correlations in metal formate frameworks at high pressure. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e301-e301.	0.1	0
44	Tuning low-energy scales in YbRh_2Si_2 by non-isoelectronic substitution and pressure. Physical Review Research, 2019, 1, .	3.6	2
45	Competition between spin-orbit coupling, magnetism, and dimerization in the honeycomb iridates: Collapsed tetragonal phase as a strongly covalent and fully nonmagnetic state: Persistent magnetism with interlayer As-As bond formation in Rh-doped $\text{Ca}_2\text{As}_2\text{O}_8$. Physical Review B, 2018, 97, .	3.2	61
46	$\text{Ca}_2\text{As}_2\text{O}_8$ under pressure. Physical Review B, 2018, 97, .	3.2	6
47	Microscopic Theory of Magnetic Detwinning in Iron-Based Superconductors with Large-Spin Rare Earths. Physical Review X, 2018, 8, .	8.9	11
48	Quantum oscillations and Dirac dispersion in the BaZnBi_2 semimetal guaranteed by local Zn vacancy order. Physical Review B, 2018, 97, .	3.2	11
49	Strain-induced changes of the electronic properties of B-site ordered double-perovskite $\text{Sr}_2\text{CoIrO}_6$ thin films. Physical Review B, 2018, 97, .	3.2	13
50	Gapped ground state in the zigzag pseudospin-1/2 quantum antiferromagnetic chain compound PrTiNbO_6 . Physical Review B, 2018, 97, .	3.2	11
51	Discovery of Emergent Photon and Monopoles in a Quantum Spin Liquid. Journal of the Physical Society of Japan, 2018, 87, 064702.	1.6	17
52	Fully gapped d -wave superconductivity in CeCu_2Si_2 . Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5343-5347.	7.1	62
53	Pressure dependence of spin canting in ammonium metal formate antiferromagnets. Physical Chemistry Chemical Physics, 2018, 20, 24465-24476.	2.8	7
54	Observation of two critical points linked to the high-field phase B in CeCu_2Si_2 . Physical Review B, 2018, 98, .	3.2	11

#	ARTICLE	IF	CITATIONS
55	Breakdown of Magnetic Order in the Pressurized Kitaev Iridate LiYbO_2 . Physical Review Letters, 2018, 120, 237202.	7.8	57
56	Application of Numerical Quantum Transfer-Matrix Approach in the Randomly Diluted Quantum Spin Chains. Lecture Notes in Computer Science, 2018, , 359-367.	1.3	0
57	Interplay of 4f and 3d moments in EuFe_2As_2 iron pnictides. Physica Status Solidi (B): Basic Research, 2017, 254, 1600150.	1.5	7
58	Electronic structure and ultrafast dynamics of FeAs_2 -based superconductors by angle-resolved photoemission spectroscopy. Physica Status Solidi (B): Basic Research, 2017, 254, 1600382.	1.5	9
59	Crystalline Electric-Field Randomness in the Triangular Lattice Spin-Liquid YbMgGaO_4 . Physical Review Letters, 2017, 118, 107202.	7.8	139
60	Investigation of thermodynamic properties of $\text{Cu}(\text{NH}_3)_4\text{SO}_4 \cdot \text{H}_2\text{O}$, a Heisenberg spin chain compound. Journal of Magnetism and Magnetic Materials, 2017, 439, 101-106.	2.3	2
61	Nearest-neighbour resonating valence bonds in YbMgGaO_4 . Nature Communications, 2017, 8, 15814.	12.8	52
62	Local and collective magnetism of EuFe_2As_2 . Physical Review B, 2017, 95, .	3.2	18
63	Entropy Evolution in the Magnetic Phases of Partially Frustrated CePdAl . Physical Review Letters, 2017, 118, 107204.	7.8	55
64	Local magnetism and spin dynamics of the frustrated honeycomb rhodate LiYbO_2 . Physical Review B, 2017, 96, .	3.2	11
65	Models and materials for generalized Kitaev magnetism. Journal of Physics Condensed Matter, 2017, 29, 493002.	1.8	384
66	Experimental evidence for importance of Hund's exchange interaction for incoherence of charge carriers in iron-based superconductors. Physical Review B, 2017, 95, .	3.2	11
67	The world's smallest capacitive dilatometer, for high-resolution thermal expansion and magnetostriction in high magnetic fields. Review of Scientific Instruments, 2017, 88, 083903.	1.3	23
68	CePdAl - a Kondo lattice with partial frustration. Journal of Physics: Conference Series, 2017, 807, 032003.	0.4	14
69	High-pressure versus isoelectronic doping effect on the honeycomb iridate NaYbO_2 . Physical Review B, 2017, 96, .	3.2	24
70	Persistent low-temperature spin dynamics in the mixed-valence iridate BaYbO_3 . Physical Review B, 2017, 96, .	3.2	24
71	Optical properties of superconducting EuFe_2As_2 (AsP). Physica Status Solidi (B): Basic Research, 2017, 254, 1600148.	1.5	9
72	Classification of materials with divergent magnetic Gr $\frac{1}{4}$ neisen parameter. Philosophical Magazine, 2017, 97, 3415-3427.	1.6	11

#	ARTICLE	IF	CITATIONS
73	Uniaxial stress tuning of geometrical frustration in a Kondo lattice. Physical Review B, 2017, 96, .	3.2	16
74	A uniaxial stress capacitive dilatometer for high-resolution thermal expansion and magnetostriction under multiextreme conditions. Review of Scientific Instruments, 2016, 87, 073903.	1.3	12
75	Single crystal growth from separated educts and its application to lithium transition-metal oxides. Scientific Reports, 2016, 6, 35362.	3.3	50
76	Signature of frustrated moments in quantum critical CePd . Physical Review B, 2016, 94, .	3.2	16
77	The 2016 oxide electronic materials and oxide interfaces roadmap. Journal Physics D: Applied Physics, 2016, 49, 433001.	2.8	266
78	$\text{Gr}\frac{1}{4}$ neisen parameter studies on heavy fermion quantum criticality. Reports on Progress in Physics, 2016, 79, 114502.	20.1	39
79	Bose glass behavior in randomly diluted quantum spin- $\frac{1}{2}$. Physical Review B, 2016, 94, .	3.2	16
80	T/Bscaling without quasiparticle mass divergence: YbCo_2Ge_4 . Physical Review B, 2016, 94, .	3.2	7
81	Muon Spin Relaxation Evidence for the U(1) Quantum Spin-Liquid Ground State in the Triangular Antiferromagnet YbMgGaO . Physical Review Letters, 2016, 117, 097201.	7.8	138
82	Terahertz conductivity of $\text{Sr}\frac{1}{2}\text{Ca}\frac{1}{2}$. Physical Review B, 2016, 93, .	3.2	16
83	Incommensurate counterrotating magnetic order stabilized by Kitaev interactions in the layered honeycomb $\text{Sr}\frac{1}{2}\text{Ca}\frac{1}{2}$. Physical Review B, 2016, 93, .	3.2	142
84	Multiple Metamagnetic Quantum Criticality in $\text{Sr}\frac{1}{2}\text{Ca}\frac{1}{2}$. Physical Review Letters, 2016, 116, 226402.	7.3	131
85	Super-heavy electron material as metallic refrigerant for adiabatic demagnetization cooling. Science Advances, 2016, 2, e1600835.	10.3	24
86	Tracking local magnetic dynamics via high-energy charge excitations in a relativistic Mott insulator. Physical Review B, 2016, 94, .	3.2	13
87	Electronic scattering effects in europium-based iron pnictides. Comptes Rendus Physique, 2016, 17, 188-196.	0.9	8
88	Highly unconventional surface reconstruction of $\text{Na}\frac{1}{2}$ persistent energy gap. Physical Review B, 2015, 91, .	3.2	16
89	Reversible tuning of the collapsed tetragonal phase transition in CaFe_2As_2 by separate control of chemical pressure and electron doping. Physical Review B, 2015, 92, .	3.2	7
90	Characteristic signatures of quantum criticality driven by geometrical frustration. Science Advances, 2015, 1, e1500001.	10.3	56

#	ARTICLE	IF	CITATIONS
91	Non-Fermi-liquid scattering rates and anomalous band dispersion in ferropnictides. Physical Review B, 2015, 92, .	3.2	24
92	Novel types of quantum criticality in heavy-fermion systems. European Physical Journal: Special Topics, 2015, 224, 975-996.	2.6	8
93	Electronic and spin states of SrRuO_3 films: An x-ray magnetic circular dichroism study. Physical Review B, 2015, 91, .	3.2	13
94	Kitaev matter. Nature Physics, 2015, 11, 444-445.	16.7	9
95	Coexistence of superconductivity and ferromagnetism in P-doped EuFe_2As_2 . Physical Review B, 2015, 91, 100501.	3.2	8
96	Effect of nonmagnetic dilution in the honeycomb-lattice iridates Na_2IrO_3 and IrO_3 . Physical Review B, 2015, 91, 100401.	3.2	49
97	Unconventional magnetic order on the hyperhoneycomb Kitaev lattice in EuFe_2As_2 . Full solution via magnetic resonant x-ray diffraction. Physical Review B, 2014, 90, .	16.7	13
98	Persistent Detwinning of Iron-Pnictide EuFe_2As_2 by Small External Magnetic Fields. Physical Review Letters, 2014, 113, 227001.	16.7	26
99	Magnetic structure of the EuFe_2As_2 in superconducting state.		

#	ARTICLE	IF	CITATIONS
109	Thermopower as a Sensitive Probe of Electronic Nematicity in Iron Pnictides. Physical Review Letters, 2013, 110, 067001.	7.8	51
110	Anomalous Reduction of the Lorenz Ratio at the Quantum Critical Point in YbAgGe. Physical Review Letters, 2013, 110, 176402.	7.8	32
111	Interplay between Kondo Suppression and Lifshitz Transitions in YbRh_2Si at High Magnetic Fields. Physical Review Letters, 2013, 110, 256403.	7.8	55
112	Electron-phonon coupling in 122 Fe pnictides analyzed by femtosecond time-resolved photoemission. New Journal of Physics, 2013, 15, 083023.	2.9	36
113	Upper critical magnetic field of $\text{K}_x\text{Fe}_2\text{P}_2\text{O}_{14}$. Physical Review B, 2013, 87, .	3.2	8
114	Quantum spin chains in $(\text{Yb}_2\text{TeO}_7)_x$. Physical Review B, 2013, 87, .	3.2	19
115	Crystal field splitting and correlation effect on the electronic structure of IrO_2 . Physical Review Letters, 2013, 110, 076402.	3.2	46
116	Origin of the insulating state in honeycomb iridates and rhodates. Physical Review B, 2013, 88, .	7.8	60
117	Quantum Bricriticality in the Heavy-Fermion Metamagnet YbAgGe. Physical Review Letters, 2013, 111, 116401.	7.8	209
118	Zero-Field Quantum Critical Point in CeCoIn_5 . Physical Review Letters, 2013, 111, 107003.	7.8	30
119	Electron spin resonance of the Yb^{4f} moment in $\text{Yb}(\text{Rh}_2\text{Fe}_2\text{Si}_2)$. Physica Status Solidi (B): Basic Research, 2013, 250, 495-497.	1.5	2
120	Experimental quantification of entanglement through heat capacity. New Journal of Physics, 2013, 15, 113001.	2.9	22
121	Magnetism and superconductivity in $\text{Eu}_0.2\text{Sr}_0.8(\text{Fe}_{0.86}\text{Co}_{0.14})_2\text{As}_2$ probed by ^{75}As NMR. Journal of Physics Condensed Matter, 2012, 24, 045702.	1.8	3
122	Quasiparticle Entropy in the High-Field Superconducting Phase of CeCoIn_5 . Physical Review Letters, 2012, 109, 116402.	7.8	21
123	Signatures of quantum criticality in hole-doped and chemically pressurized EuFe_2As_2 single crystals. Physical Review B, 2012, 85, .	3.2	25
124	Optical properties of the iron-pnictide analog BaMn_2As_2 . Physical Review B, 2012, 86, .	3.2	13

#	ARTICLE	IF	CITATIONS
145	Growth of Sr _{1-x} Ca _x RuO ₃ thin films by metalorganic aerosol deposition. Journal of Physics: Conference Series, 2010, 200, 012178.	0.4	5
146	Magnetization study on the field-induced quantum critical point in YbRh ₂ Si ₂ . Journal of Physics: Conference Series, 2010, 200, 012205.	0.4	1
147	Superconductivity and magnetism in Eu ^{1-x} K ^x Fe ₂ As ₂ . Journal of Physics: Conference Series, 2010, 200, 012060.	0.4	7
148	Divergence of the Grüneisen Parameter and Magnetocaloric Effect at Heavy Fermion Quantum Critical Points. Journal of Low Temperature Physics, 2010, 161, 117-133.	1.4	13
149	Magnetic and Electronic Quantum Criticality in YbRh ₂ Si ₂ . Journal of Low Temperature Physics, 2010, 161, 67-82.	1.4	8
150	Ferromagnetic quantum phase transition in Sr ^{1-x} Ca _x RuO ₃ thin films. Physica Status Solidi (B): Basic Research, 2010, 247, 577-579.	1.5	14
151	Anisotropy of the low-temperature magnetostriction of Sr ₃ Ru ₂ O ₇ . Physica Status Solidi (B): Basic Research, 2010, 247, 574-576.	1.5	3
152	Single crystal growth of CeNi ₂ Ge ₂ using the floating zone technique. Physica Status Solidi (B): Basic Research, 2010, 247, 694-696.	1.5	5
153	Quantum oscillations near the metamagnetic transition in $Sr_{3-x}Ru_2Ge_2$. Physical Review B, 2010, 81, .	3.2	27
154	Universal signatures of the metamagnetic quantum critical endpoint: Application to $CeRu_2Ge_2$. Physical Review B, 2010, 81, .	3.2	39
155	Evidence for a Non-Fermi-Liquid Phase in Ge-Substituted $YbRh_2Si_2$. Physical Review Letters, 2010, 104, 186402.	7.8	95
156	Magnetic fluctuations and superconductivity in iron pnictides as probed by electron spin resonance. Physical Review B, 2010, 82, .	3.2	15
157	Droplet-like Fermi surfaces in the anti-ferromagnetic phase of $EuFe_2As_2$, an Fe-pnictide superconductor parent compound. Europhysics Letters, 2010, 89, 27007.	2.0	39
158	Antiferromagnetic Mott insulating state in single crystals of the honeycomb lattice material $Na_2Ru_2O_7$. Physical Review B, 2010, 82, .	3.2	531
159	Superconductivity versus quantum criticality: what can we learn from heavy fermions?. Journal of Physics Condensed Matter, 2010, 22, 164202.	1.8	8
160	Field-dependent specific heat of Yb ₄ As ₃ : Agreement between a spin-12 model and experiment. Physical Review B, 2009, 79, .	3.2	12
161	Quantum Oscillations in the Anomalous Phase in $Sr_3Ru_2Ge_2$. Physical Review Letters, 2009, 102, 176401.	7.8	28
162	Divergence of the Magnetic Grüneisen Ratio at the Field-Induced Quantum Critical Point in $YbRh_2Si_2$. Physical Review Letters, 2009, 102, 066401.	7.8	70

#	ARTICLE	IF	CITATIONS
163	Effects of magnetic ordering on dynamical conductivity: Optical investigations of EuFe_2As_2 crystals. Physical Review B, 2009, 79, .	3.2	86
164	Detaching the antiferromagnetic quantum critical point from the Fermi-surface reconstruction in YbRh_2Si_2 . Nature Physics, 2009, 5, 465-469.	16.7	180
165	Normal-state electrical resistivity and superconducting magnetic penetration depth in $\text{Eu}_0.5\text{K}_0.5\text{Fe}_2\text{As}_2$ polycrystals. JETP Letters, 2009, 89, 294-297.	1.4	8
166	Kondo-Cluster-Glass State near a Ferromagnetic Quantum Phase Transition. Physical Review Letters, 2009, 102, 206404.	7.8	104
167	Evidence for a reentrant superconducting state in EuFe_2As_2 under pressure. Physical Review B, 2009, 79, .	3.2	151
168	Evolution of quantum criticality in $\text{CeNi}_2\text{CuGe}_4$. Journal of Physics Condensed Matter, 2009, 21, 235604.	1.8	13
169	Separation of Energy Scales in Undoped YbRh_2Si_2 Under Hydrostatic Pressure. Journal of the Physical Society of Japan, 2009, 78, 123708.	1.6	34
170	Quantum criticality in layered $\text{CeRhIn}_5\text{Sn}_x$ compared with cubic CeIn_3Sn_x . Europhysics Letters, 2009, 87, 57011.	2.0	11
171	Low-temperature magnetic susceptibility of single crystals. Physica B: Condensed Matter, 2008, 403, 1236-1238.	2.7	15
172	Pressure dependence of the Néel and the superconducting transition temperature of $\text{CeCo}(\text{In}_{0.9}\text{Cd}_{0.1})_5$ studied by thermal expansion. Physica B: Condensed Matter, 2008, 403, 839-841.	2.7	1
173	Unconventional quantum criticality in YbRh_2Si_2 . Physica B: Condensed Matter, 2008, 403, 1184-1188.	2.7	27
174	Quantum criticality in heavy-fermion metals. Nature Physics, 2008, 4, 186-197.	16.7	1,065
175	Electrical resistivity and specific heat of single-crystalline EuFe_2As_2 . A magnetic homologue of SrFe_2As_2 . Physical Review B, 2008, 78, .	3.2	156
176	High-temperature superconductivity in Eu_2As_2 . Physical Review B, 2008, 78, .	3.2	156
177	Dimensional Crossover of Quantum Critical Behavior in CeCoIn_5 . Physical Review Letters, 2008, 100, 136401.	7.8	46
178	Ferromagnetic quantum criticality in the alloy $\text{CePd}_{1-x}\text{Rh}_x$. Physical Review B, 2007, 75, .	3.2	52
179	Multiple Energy Scales at a Quantum Critical Point. Science, 2007, 315, 969-971.	12.6	202
180	Field induced magnetic phase transition as a magnon Bose Einstein condensation. Science and Technology of Advanced Materials, 2007, 8, 406-409.	6.1	6

#	ARTICLE	IF	CITATIONS
181	Systematic study of the Gr $\frac{1}{4}$ neisen ratio near quantum critical points. Science and Technology of Advanced Materials, 2007, 8, 428-433.	6.1	13
182	Field-dependent specific-heat of the pure and diluted 4f electron system Yb ₄ As ₃ . Inorganica Chimica Acta, 2007, 360, 3955-3958.	2.4	0
183	Pressure effect on antiferromagnetism in CeRhIn ₅ \hat{a} ^x Snx studied by thermal expansion. Physica C: Superconductivity and Its Applications, 2007, 460-462, 661-662.	1.2	5
184	Alternating-field magnetoresistance measurements on Sr ₃ Ru ₂ O ₇ . Physica C: Superconductivity and Its Applications, 2007, 460-462, 520-521.	1.2	4
185	Metamagnetic Quantum Criticality in Sr ₃ Ru ₂ O ₇ Studied by Thermal Expansion. Physical Review Letters, 2006, 96, 136402.	7.8	60
186	Non-Fermi-liquid behaviour close to the disappearance of ferromagnetism in CePd ₁ \hat{a} ^x Rhx. Journal of Physics Condensed Matter, 2006, 18, L535-L542.	1.8	29
187	Magnetic Properties Close to the Quantum Critical Point in YbRh ₂ Si ₂ . Journal of the Physical Society of Japan, 2006, 75, 155-159.	1.6	12
188	Thermal expansion and Gr $\frac{1}{4}$ neisen ratio near quantum critical points. Physica B: Condensed Matter, 2006, 378-380, 36-39.	2.7	11
189	Pressure effect on superconductivity in studied by thermal expansion. Physica B: Condensed Matter, 2006, 378-380, 98-99.	2.7	4
190	Low-temperature high-field magnetization of YbRh ₂ Si ₂ and YbIr ₂ Si ₂ under hydrostatic pressure. Physica B: Condensed Matter, 2006, 378-380, 746-747.	2.7	2
191	Low-temperature electrical resistivity of. Physica B: Condensed Matter, 2006, 378-380, 72-73.	2.7	8
192	Low-temperature magnetostriction of Sr ₃ Ru ₂ O ₇ . Physica B: Condensed Matter, 2006, 378-380, 117-118.	2.7	7
193	Low-temperature properties of the heavy fermion system YbIr ₂ Si ₂ . Physica B: Condensed Matter, 2006, 378-380, 74-75.	2.7	11
194	High-field phase diagram of the heavy-fermion metal YbRh ₂ Si ₂ . New Journal of Physics, 2006, 8, 171-171.	2.9	74
195	Quantum Criticality in the Cubic Heavy-Fermion System CeIn ₃ \hat{a} ^x Snx. Physical Review Letters, 2006, 96, 256403.	7.8	55
196	Low-temperature thermodynamic properties of the heavy-fermion compound YbAgGe close to the field-induced quantum critical point. Physical Review B, 2006, 73, .	3.2	20
197	In-plane angular dependence of the upper critical field in CeCoIn ₅ . Physical Review B, 2006, 74, .	3.2	22
198	Field-dependent specific heat and magnetization for the $\langle \text{mml:math altimg="si5.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="." \rangle$. Journal of Magnetism and	2.3	5

#	ARTICLE	IF	CITATIONS
199	Pressure dependence of the low-temperature magnetization of. Physica B: Condensed Matter, 2005, 359-361, 29-31.	2.7	0
200	Scaling of the magnetic entropy and magnetization in. Physica B: Condensed Matter, 2005, 359-361, 23-25.	2.7	6
201	Tuning YbRh ₂ Si ₂ to a non-magnetic state by La-doping. Physica B: Condensed Matter, 2005, 359-361, 26-28.	2.7	13
202	Thermal expansion of. Physica B: Condensed Matter, 2005, 359-361, 53-55.	2.7	3
203	Search for a quantum critical end-point in CeRu(SiGe). Physica B: Condensed Matter, 2005, 359-361, 68-70.	2.7	6
204	Field-Induced Suppression of the Heavy-Fermion State in YbRh ₂ Si ₂ . Physical Review Letters, 2005, 94, 226402.	7.8	55
205	Yb-based heavy-fermion metal situated close to a quantum critical point. Physical Review B, 2005, 72, .	3.2	60
206	Magnetic phase diagram of CeCu ₂ (Si _{1-x} Ge _x) ₂ measured with low-temperature thermal expansion. Physical Review B, 2005, 71, .	3.2	5
207	Ferromagnetic Quantum Critical Fluctuations in YbRh ₂ (Si _{0.95} Ge _{0.05}) ₂ . Physical Review Letters, 2005, 94, 076402.	7.8	132
208	Two-Channel Kondo Effect in Glasslike ThAsSe. Physical Review Letters, 2005, 94, 236603.	7.8	46
209	B ^T phase diagram of PrOs ₄ Sb ₁₂ studied by low-temperature thermal expansion and magnetostriction. Physical Review B, 2004, 69, .	3.2	24
210	Upper critical field and Fulde-Ferrell-Larkin-Ovchinnikov state in CeCoIn ₅ . Physical Review B, 2004, 69, .	3.2	55
211	Hall-effect evolution across a heavy-fermion quantum critical point. Nature, 2004, 432, 881-885.	27.8	431
212	Non-Fermi liquid normal state of the heavy-fermion superconductor UBe ₁₃ . Physica C: Superconductivity and Its Applications, 2004, 408-410, 157-160.	1.2	22
213	Low-temperature thermal expansion and magnetostriction of YbRh ₂ (Si _{1-x} Ge _x) ₂ (x=0 and 0.05). Journal of Magnetism and Magnetic Materials, 2004, 272-276, 229-230.	2.3	8
214	TLS Kondo effect in structurally disordered ThAsSe. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 66-67.	2.3	5
215	Suppression of the Kondo state in YbRh ₂ Si ₂ by large magnetic fields. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E87-E88.	2.3	14
216	Antiferromagnetic interactions in the semimetallic Yb ₄ As ₃ : field-dependent specific heat and magnetization data. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 282-283.	2.3	0

#	ARTICLE	IF	CITATIONS
217	Disorder-Sensitive Phase Formation Linked to Metamagnetic Quantum Criticality. <i>Science</i> , 2004, 306, 1154-1157.	12.6	231
218	Gr \tilde{A} $\frac{1}{4}$ neisen Ratio Divergence at the Quantum Critical Point in CeCu \tilde{A} \tilde{x} Agx. <i>Physical Review Letters</i> , 2004, 93, 096402.	7.8	48
219	Tuning Heavy Fermion Systems into Quantum Criticality by Magnetic Field. <i>Journal of Low Temperature Physics</i> , 2003, 133, 3-15.	1.4	22
220	The semimetallic S = 1/2 antiferromagnetic chain Yb \tilde{A} As $\tilde{3}$: quantum transfer-matrix simulations and experimental field-dependent specific-heat data. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 237, 549-552.	1.5	3
221	The break-up of heavy electrons at a quantum critical point. <i>Nature</i> , 2003, 424, 524-527.	27.8	612
222	Uniaxial Pressure Effects on CeIrIn $\tilde{5}$ and CeCoIn $\tilde{5}$ Studied by Low-Temperature Thermal Expansion. <i>Physical Review Letters</i> , 2003, 91, 076402.	7.8	59
223	ThAsSe diamagnet: Evidence for a Kondo effect derived from structural two-level systems. <i>Physical Review B</i> , 2003, 68, .	3.2	20
224	Divergence of the Gr \tilde{A} $\frac{1}{4}$ neisen Ratio at Quantum Critical Points in Heavy Fermion Metals. <i>Physical Review Letters</i> , 2003, 91, 066405.	7.8	204
225	Quantum criticality in YbRh $\tilde{2}$ Si $\tilde{2}$. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S2047-S2053.	1.8	6
226	Magnetic-Field Induced Quantum Critical Point in YbRh $\tilde{2}$ Si $\tilde{2}$. <i>Physical Review Letters</i> , 2002, 89, 056402.	7.8	410
227	THERMODYNAMIC STUDIES OF THE FIELD-INDUCED GAP IN THE QUASI-ONE-DIMENSIONAL S = 1/2 ANTIFERROMAGNET Yb $\tilde{4}$ As $\tilde{3}$. <i>International Journal of Modern Physics B</i> , 2002, 16, 3018-3023.	2.0	0
228	Specific heat and disorder in the mixed state of non-magnetic borocarbides. <i>Europhysics Letters</i> , 2002, 58, 435-441.	2.0	25
229	Specific heat and disorder in the mixed state of non-magnetic borocarbides. <i>Europhysics Letters</i> , 2002, 59, 633-633.	2.0	1
230	Charge Ordering and Onedimensional Magnetism in Yb $\tilde{4}$ As $\tilde{3}$. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 64-69.	1.6	1
231	First-Order Superconducting Phase Transition in CeCoIn $\tilde{5}$. <i>Physical Review Letters</i> , 2002, 89, 137002.	7.8	231
232	Magnetotransport of the low-carrier density one-dimensional S=1/2 antiferromagnet Yb $\tilde{4}$ As $\tilde{3}$. <i>Pramana - Journal of Physics</i> , 2002, 58, 715-723.	1.8	0
233	Influence of disorder on superconductivity in non-magnetic rare-earth nickel borocarbides. <i>Pramana - Journal of Physics</i> , 2002, 58, 791-797.	1.8	5
234	Low-temperature specific heat of non-charge ordered Yb $\tilde{4}$ (As $\tilde{0.36}$ Sb $\tilde{0.64}$) $\tilde{3}$ and (Yb $\tilde{0.87}$ Lu $\tilde{0.13}$) $\tilde{4}$ As $\tilde{3}$. <i>Physica B: Condensed Matter</i> , 2002, 312-313, 370-372.	2.7	2

#	ARTICLE	IF	CITATIONS
235	Spin excitations of the one-dimensional $S=12$ Heisenberg antiferromagnet Yb_4As_3 under magnetic field. <i>Physica B: Condensed Matter</i> , 2002, 312-313, 359-361.	2.7	0
236	Effect of Ge-doping and pressure in the vicinity of the QCP of YbRh_2Si_2 . <i>Physica B: Condensed Matter</i> , 2002, 312-313, 401-402.	2.7	13
237	Thermodynamic and transport properties of the one-dimensional $S=12$ antiferromagnet Yb_4As_3 . <i>Physica B: Condensed Matter</i> , 2002, 312-313, 315-320.	2.7	18
238	Influence of interchain-coupling effects on the low-T properties of the one-dimensional $S=12$ Heisenberg antiferromagnet Yb_4As_3 . <i>Physica B: Condensed Matter</i> , 2002, 312-313, 367-369.	2.7	2
239	Low-temperature specific heat for off- and near-stoichiometric UAsSe . <i>Solid State Communications</i> , 2002, 121, 647-651.	1.9	13
240	Low-energy excitations of the semimetallic one-dimensional $S=1/2$ antiferromagnet Yb_4As_3 . <i>Physica B: Condensed Matter</i> , 2001, 300, 121-138.	2.7	28
241	Low-temperature resistivity and susceptibility of the low-carrier density, one-dimensional $S=$ antiferromagnet Yb_4As_3 . <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 630-632.	2.3	6
242	A non-magnetic Kondo effect in UAsSe ferromagnet?. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 189-190.	2.3	11
243	Evidence for low-dimensional magnetic behaviour in CePt_5Ge_3 . <i>Journal of Physics Condensed Matter</i> , 2001, 13, 4535-4542.	1.8	7
244	Staggered Field Effect on the One-Dimensional $S=12$ Antiferromagnet Yb_4As_3 . <i>Physical Review Letters</i> , 2001, 86, 2439-2442.	7.8	119
245	Influence of Disorder on Superconductivity in Rare-Earth Nickel Borocarbides. , 2001, , 243-254.		2
246	Evidence for magnons and solitons in the one-dimensional antiferromagnet Yb_4As_3 . <i>Physica B: Condensed Matter</i> , 2000, 281-282, 458-459.	2.7	1
247	Incipient superconductivity and NFL behavior in off-stoichiometric $\text{Ce}_{1+x}\text{Ni}_2+\text{yGe}_{2+z}$ polycrystals. <i>Physica B: Condensed Matter</i> , 2000, 281-282, 5-6.	2.7	7
248	Non-Fermi-liquid effects at ambient pressure in the stoichiometric heavy-fermion compound YbRh_2Si_2 . <i>Physica B: Condensed Matter</i> , 2000, 281-282, 372-373.	2.7	15
249	Non-Fermi-liquid effects in stoichiometric 4f-electron metals at ambient pressure. <i>Physica B: Condensed Matter</i> , 2000, 280, 349-353.	2.7	13
250	Unconventional normal-state properties and superconductivity in heavy-fermion metals. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 691-694.	1.2	12
251	Superconductivity in clean and disordered nonmagnetic borocarbides. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 749-750.	1.2	10
252	YbRh_2Si_2 : Pronounced Non-Fermi-Liquid Effects above a Low-Lying Magnetic Phase Transition. <i>Physical Review Letters</i> , 2000, 85, 626-629.	7.8	486

#	ARTICLE	IF	CITATIONS
253	Magnon and Soliton Excitations in the Carrier-Poor, One-Dimensional $S=1/2$ Antiferromagnet Yb_4As_3 . <i>Acta Physica Polonica A</i> , 2000, 97, 91-100.	0.5	9
254	Non-Fermi-Liquid Effects at Ambient Pressure in a Stoichiometric Heavy-Fermion Compound with Very Low Disorder: CeNi_2Ge_2 . <i>Physical Review Letters</i> , 1999, 82, 1293-1296.	7.8	91
255	Evidence for an antiferromagnetic quantum critical point near stoichiometric CeCu_2Si_2 . <i>Physica B: Condensed Matter</i> , 1999, 259-261, 403-404.	2.7	4
256	Non-Fermi-Liquid Properties and Exotic Superconductivity in CeCu_2Si_2 and $(\text{UTh})\text{Be}_{13}$. , 1999, , 153-168.		0
257	CeCu_2Si_2 AND UBe_{13} : NEW QUESTIONS“OLD ANSWERS?. <i>Journal of Physics and Chemistry of Solids</i> , 1998, 59, 2190-2195.	4.0	8
258	Breakup of Heavy Fermions on the Brink of “Phase A” in CeCu_2Si_2 . <i>Physical Review Letters</i> , 1998, 81, 1501-1504.	7.8	151
259	Pressure Studies near Quantum Phase Transitions in Strongly Correlated Ce Systems.. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 1998, 7, 431-436.	0.0	29
260	Evolution of magnetism and superconductivity in $\text{CeCu}_2(\text{Si}^{1-x}\text{Ge}_x)_2$. <i>Physical Review B</i> , 1997, 56, 678-685.	3.2	59
261	Generalized Fulde-Ferrell-Larkin-Ovchinnikov state in heavy-fermion and intermediate-valence systems. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1997, 100, 369-380.	1.1	105
262	Non-Fermi-liquid behavior in CeCu_2Si_2 at the disappearance of the presumably magnetically ordered “A-phase”. <i>Physica B: Condensed Matter</i> , 1997, 230-232, 572-575.	2.7	12
263	“Non-Fermi-liquid” phenomena in heavy-fermion CeCu_2Si_2 and CeNi_2Ge_2 . <i>Physica B: Condensed Matter</i> , 1997, 237-238, 192-196.	2.7	20
264	Quantum critical phenomena in undoped heavy-fermion metals. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 9909-9921.	1.8	115
265	Strain induced renormalization of transport properties in UPt_3 thin films. <i>European Physical Journal D</i> , 1996, 46, 791-792.	0.4	1
266	Are heavy-fermion metals Fermi liquids?. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1996, 103, 235-242.	1.1	53
267	New observations concerning magnetism and superconductivity in heavy-fermion metals. <i>Physica B: Condensed Matter</i> , 1996, 223-224, 1-8.	2.7	100
268	Anomalous pinning in superconductors with strong Pauli paramagnetism. <i>Physica B: Condensed Matter</i> , 1996, 223-224, 28-32.	2.7	11
269	Theory of a generalized Fulde-Ferrell-Larkin-Ovchinnikov state in heavy fermion and intermediate-valence superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1996, 263, 30-34.	1.2	7
270	Experimental evidence for a generalized FFLO state in clean type-II superconductors with short coherence length and enhanced Pauli susceptibility. <i>Physica C: Superconductivity and Its Applications</i> , 1996, 263, 498-504.	1.2	36

#	ARTICLE	IF	CITATIONS
271	Strong coupling effects on the upper critical field of the heavy-fermion superconductor UBe13. Journal of Low Temperature Physics, 1996, 102, 117-132.	1.4	57
272	First-Order Transition between Weak and Strong Pinning in Clean Superconductors with Enhanced Spin Susceptibility. Physical Review Letters, 1996, 76, 1292-1295.	7.8	96
273	Growth characteristics of sputter-deposited thin films. Journal of Physics Condensed Matter, 1996, 8, 8777-8786.	1.8	1
274	Anomalous peak effect in heavy-fermion, intermediate-valence and A15 superconductors: Evidence for a Fulde-Ferrell-Larkin-Ovchinnikov state?. Annalen Der Physik, 1996, 508, 307-319.	2.4	1
275	Classification of strongly correlated f-electron systems. Journal of Low Temperature Physics, 1995, 99, 267-281.	1.4	31
276	Doping effects on UPd2Al3. Physica B: Condensed Matter, 1994, 199-200, 128-131.	2.7	27
277	Anomalous pinning near Hc2 in the heavy fermion superconductor UPd2Al3 studied by magnetic measurements. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2433-2434.	1.2	5
278	Impurities in a superconductor with a highly anisotropic gap: Universal correlation between the residual resistivity and Tc in doped UPd2Al3. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2435-2436.	1.2	0