

# Cornelius Krellner

## List of Publications by Year in descending order

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199  
papers

5,283  
citations

94381

37  
h-index

106281

65  
g-index

201  
all docs

201  
docs citations

201  
times ranked

4205  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trap density of states in small-molecule organic semiconductors: A quantitative comparison of thin-film transistors with single crystals. <i>Physical Review B</i> , 2010, 81, .	1.1	231
2	Hole mobility in organic single crystals measured by a $\pi$ -flip-crystal-field-effect technique. <i>Journal of Applied Physics</i> , 2004, 96, 2080-2086.	1.1	206
3	Multiple Energy Scales at a Quantum Critical Point. <i>Science</i> , 2007, 315, 969-971.	6.0	202
4	Magnetic and structural transitions in layered iron arsenide systems: $A \times \text{Fe} \times R$ $\text{FeAsO}$ <i>Physical Review B</i> , 2008, 78, .	1.1	195
5	Detaching the antiferromagnetic quantum critical point from the Fermi-surface reconstruction in $\text{YbRh}_2\text{Si}_2$ . <i>Nature Physics</i> , 2009, 5, 465-469.	6.5	180
6	Effects of polarized organosilane self-assembled monolayers on organic single-crystal field-effect transistors. <i>Applied Physics Letters</i> , 2004, 85, 5078-5080.	1.5	164
7	Emerging local Kondo screening and spatial coherence in the heavy-fermion metal $\text{YbRh}_2\text{Si}_2$ . <i>Nature</i> , 2011, 474, 362-366.	13.7	143
8	Ferromagnetic Quantum Critical Point in the Heavy-Fermion Metal $\text{YbNi}_4$ ( $P \sim T^2$ ). <i>Overlooked</i>	6.0	142
9	Fermi-surface collapse and dynamical scaling near a quantum-critical point. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14547-14551.	3.3	133
10	Determination of the interface trap density of rubrene single-crystal field-effect transistors and comparison to the bulk trap density. <i>Journal of Applied Physics</i> , 2006, 99, 034507.	1.1	131
11	Density of bulk trap states in organic semiconductor crystals: Discrete levels induced by oxygen in rubrene. <i>Physical Review B</i> , 2007, 75, .	1.1	128
12	Strong coupling between magnetic and structural order parameters in $\text{SrFe}_2$ $2 \times 127$ <i>Physical Review B</i> , 2008, 78, .	1.1	127
13	$\text{CeRuPO}$ : A rare example of a ferromagnetic Kondo lattice. <i>Physical Review B</i> , 2007, 76, .	1.1	106
14	$\text{CeFePO}$ : A Heavy Fermion Metal with Ferromagnetic Correlations. <i>Physical Review Letters</i> , 2008, 101, 117206.	2.9	93
15	Thermal and electrical transport across a magnetic quantum critical point. <i>Nature</i> , 2012, 484, 493-497.	13.7	78
16	Emergence of superconductivity in the canonical heavy-electron metal $\text{YbRh}_2\text{Si}_2$ . <i>Science</i> , 2016, 351, 485-488.	6.0	77
17	High-field phase diagram of the heavy-fermion metal $\text{YbRh}_2\text{Si}_2$ . <i>New Journal of Physics</i> , 2006, 8, 171-171.	1.2	74
18	Relevance of Ferromagnetic Correlations for the Electron Spin Resonance in Kondo Lattice Systems. <i>Physical Review Letters</i> , 2008, 100, 066401.	2.9	73

#	ARTICLE	IF	CITATIONS
19	Ferromagnetic quantum criticality in the quasi-one-dimensional heavy fermion metal $\text{YbNi}_4\text{P}_2$ . New Journal of Physics, 2011, 13, 103014.	1.2	67
20	Low-temperature specific heat of. Physica B: Condensed Matter, 2008, 403, 1254-1256.	1.3	62
21	Thermopower Evidence for an Abrupt Fermi Surface Change at the Quantum Critical Point of $\text{YbRh}_2\text{Si}_2$ . Physical Review Letters, 2010, 104, 096401.	2.9	61
22	Columnar magnetic structure coupled with orthorhombic distortion in the antiferromagnetic iron arsenide $\text{SrFe}_2\text{As}_2$ . Physical Review B, 2008, 78, .	1.1	60
23	Dependence of the Crystal-Field Splittings of $\text{Yb}^{3+}$ States in Rare-Earth Systems. Physical Review B, 2010, 82, 035101.	2.9	57
24	Interplay between Kondo Suppression and Lifshitz Transitions in $\text{YbRh}_2\text{Si}_2$ at High Magnetic Fields. Physical Review Letters, 2013, 110, 256403.	2.9	55
25	Temperature-Independent Fermi Surface in the Kondo Lattice $\text{YbRh}_2\text{Si}_2$ . Physical Review Letters, 2013, 110, 256404.	2.8	52
26	Hybridization Phenomena in Nearly-Half-Filled $\text{Yb}^{2+}$ Systems: Photoemission Study of $\text{YbRh}_2\text{Si}_2$ . Physical Review Letters, 2013, 110, 256405.	2.9	50
27	Momentum dependence of $d$ -orbital hybridization in heavy-fermion compounds: Angle-resolved photoemission study of $\text{YbRh}_2\text{Si}_2$ and $\text{YbRh}_2\text{As}_2$ . Physical Review B, 2007, 75, .	1.1	46
28	Rare earth magnetism in $\text{CeFeAsO}$ : a single crystal study. New Journal of Physics, 2009, 11, 103050.	1.2	46
29	Emerging 2D-ferromagnetism and strong spin-orbit coupling at the surface of valence-fluctuating $\text{EuR}_2\text{Si}_2$ . Npj Quantum Materials, 2019, 4, .	1.8	46
30	Evolution of magnetism in $\text{Yb}(\text{Rh}_2\text{Si}_2)_2$ . Physical Review Letters, 2013, 110, 256406.	1.1	45
31	Photoemission Insight into Heavy-Fermion Behavior in $\text{YbRh}_2\text{Si}_2$ . Physical Review Letters, 2008, 100, 056402.	2.9	43
32	Coupling between the structural and magnetic transition in $\text{CeFeAsO}$ . Physical Review B, 2010, 81, .	1.1	43
33	Intermediate valence in Yb compounds probed by $f$ -photoemission and resonant inelastic x-ray scattering. Physical Review B, 2011, 84, .	1.1	42
34	Microwave spectroscopy on heavy-fermion systems: Probing the dynamics of charges and magnetic moments. Physica Status Solidi (B): Basic Research, 2013, 250, 439-449.	0.7	41
35	First-principles calculations and electronic structure calculations on $\text{YbRh}_2\text{Si}_2$ and its reference compounds $\text{LuRh}_2\text{Si}_2$ . Physical Review B, 2010, 82, .	1.1	39
36	Avoided Ferromagnetic Quantum Critical Point: Unusual Short-Range Ordered State in $\text{CeFePO}$ . Physical Review Letters, 2012, 109, 216402.	2.9	38

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37	Impurity scattering effects on the superconducting properties and the tetragonal-to-orthorhombic phase transition in FeSe. <i>Physical Review B</i> , 2016, 93, .	1.1	38
38	CoBi <sub>3</sub> : A Binary Cobalt-Bismuth Compound and Superconductor. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9853-9857.	7.2	37
39	Shifted transfer characteristics of organic thin film and single crystal FETs. <i>Synthetic Metals</i> , 2004, 146, 325-328.	2.1	35
40	Single crystal growth and anisotropy of CeRuPO. <i>Journal of Crystal Growth</i> , 2008, 310, 1875-1880.	0.7	35
41	Insight into the derived Fermi surface of the heavy-fermion compound YbRh <sub>2</sub> Si <sub>2</sub> . <i>Physical Review Letters</i> , 2011, 107, 267601.	2.9	35
42	Strong magnetic frustration in Y <sub>3</sub> Cu <sub>9</sub> (OH) <sub>19</sub> Cl <sub>8</sub> : a distorted kagome antiferromagnet. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2629-2635.	2.7	33
43	Electron spin resonance of Yb <sub>2</sub> Si <sub>2</sub> below the Kondo temperature. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 016211.	0.7	32
44	Evolution of the Kondo lattice and non-Fermi liquid excitations in a heavy-fermion metal. <i>Nature Communications</i> , 2018, 9, 3324.	5.8	32
45	Optical observation of non-Fermi-liquid behavior in the heavy fermion state of YbRh <sub>2</sub> Si <sub>2</sub> . <i>Physical Review B</i> , 2006, 74, .	1.1	31
46	Violation of Critical Universality at the Antiferromagnetic Phase Transition of YbRh <sub>2</sub> Si <sub>2</sub> . <i>Physical Review Letters</i> , 2009, 102, 196402.	2.9	31
47	Cubic Rashba Effect in the Surface Spin Structure of Rare-Earth Ternary Materials. <i>Physical Review Letters</i> , 2020, 124, 237202.	2.9	30
48	Evolution of the Kondo State of YbRh <sub>2</sub> Si <sub>2</sub> by High-Field ESR. <i>Physical Review Letters</i> , 2009, 102, 076405.	2.9	29
49	Doped YbRh <sub>2</sub> Si <sub>2</sub> : Not Only Ferromagnetic Correlations but Ferromagnetic Order. <i>Physical Review Letters</i> , 2013, 110, 256402.	2.9	29
50	Magnetic cooling close to a quantum phase transition: The case of Er <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> . <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	29
51	Robust and tunable itinerant ferromagnetism at the silicon surface of the antiferromagnet GdRh <sub>2</sub> Si <sub>2</sub> . <i>Scientific Reports</i> , 2016, 6, 24254.	1.6	29
52	Ferromagnetism and superconductivity in CeFeAs <sub>2</sub> . <i>Physical Review Letters</i> , 2011, 107, 267601.	2.9	29

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55	Unconventional quantum criticality in YbRh <sub>2</sub> Si <sub>2</sub> . Physica B: Condensed Matter, 2008, 403, 1184-1188.	1.3	27
56	Tuning the Hybridization at the Surface of a Heavy-Fermion System. Physical Review Letters, 2009, 103, 137601.	2.9	27
57	Nodeless superconductivity in the presence of spin-density wave in pnictide superconductors: The case of BaFe <sub>2</sub> As <sub>2</sub> . Physical Review B, 2015, 91, .	1.1	27
58	Crystal growth of new charge-transfer salts based on $\pi$ -conjugated donor molecules. Physica B: Condensed Matter, 2016, 496, 98-105.	1.3	23
59	Evidence of a Kondo Destroying Quantum Critical Point in YbRh <sub>2</sub> Si <sub>2</sub> . Journal of the Physical Society of Japan, 2014, 83, 061001.	0.7	22
60	Unusual weak magnetic exchange in two different structure types: YbPt <sub>2</sub> Sn and YbPt <sub>2</sub> In. Journal of Physics Condensed Matter, 2014, 26, 485002.	0.7	22
61	Similar temperature scale for valence changes in Kondo lattices with different Kondo temperatures. Nature Communications, 2018, 9, 2011.	5.8	22
62	Local study of the insulating quantum kagome antiferromagnets $YCu_3OCl$ . Physical Review Materials, 2019, 3, .	0.7	22
63	On the local and itinerant properties of the ESR in YbRh <sub>2</sub> Si <sub>2</sub> . Science and Technology of Advanced Materials, 2007, 8, 389-392.	2.8	21
64	Magnetic susceptibility of YbRh <sub>2</sub> Si <sub>2</sub> and YbRh <sub>2</sub> Si <sub>2</sub> on the basis of a localized 4f electron approach. Journal of Physics Condensed Matter, 2008, 20, 455208.	0.7	21
65	Nuclear contribution to the specific heat of Yb(Rh <sub>0.93</sub> Co <sub>0.07</sub> ) <sub>2</sub> Si <sub>2</sub> . Physica Status Solidi (B): Basic Research, 2010, 247, 737-739.	0.7	21
66	First-principles and angle-resolved photoemission study of lithium doped metallic black phosphorous. 2D Materials, 2016, 3, 025031.	2.0	21
67	Unexpected differences between surface and bulk spectroscopic and implied Kondo properties of heavy fermion CeRh <sub>2</sub> Si <sub>2</sub> . Npj Quantum Materials, 2020, 5, .	1.8	21
68	Interplay between 3d and 4f magnetism in CeCoPO. Physica B: Condensed Matter, 2009, 404, 3206-3209.	1.3	20
69	Avoided ferromagnetic quantum critical point in CeRuPO. Physical Review B, 2015, 91, .	1.1	20
70	Crystal electric field in CeRh <sub>2</sub> Si <sub>2</sub> studied with high-resolution resonant inelastic soft x-ray scattering. Physical Review B, 2018, 97, .	1.1	20
71	Interplay between 3d and 4f magnetism in CeCuAsO. Physical Review B, 2010, 82, .	1.1	19
72	Single crystal growth and characterization of GdRh <sub>2</sub> Si <sub>2</sub> . Journal of Crystal Growth, 2015, 419, 37-41.	0.7	19

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73	Cascade of Magnetic-Field-Induced Lifshitz Transitions in the Ferromagnetic Kondo Lattice Material $\text{YbNi}_4\text{P}_2$ . <i>Physical Review Letters</i> , 2017, 118, 126402.	2.9	19
74	Kagome quantum spin systems in the atacamite family. <i>Physical Review Materials</i> , 2018, 2, .	0.9	19
75	$\text{CeFePO}_f\text{d}$ Hybridization and Quenching of Superconductivity. <i>Physical Review Letters</i> , 2010, 104, 096402.	2.9	18
76	Magnetic behaviour of the intermetallic compound $\text{YbCo}_2\text{Si}_2$ . <i>New Journal of Physics</i> , 2011, 13, 083024.	1.2	18
77	An exemplary tetragonal system for antiferromagnetic order with weak in-plane anisotropy. <i>Physical Review B</i> , 2017, 95, .	1.1	17
78	Time-resolved collapse and revival of the Kondo state near a quantum phase transition. <i>Nature Physics</i> , 2018, 14, 1103-1107.	6.5	17
79	Magnetic resonance as a local probe for kagomé magnetism in Barlowite $\text{Cu}_4(\text{OH})_6\text{FBr}$ . <i>Scientific Reports</i> , 2018, 8, 10851.	1.6	17
80	Electron spin resonance of the Yb 4f-moment in $\text{Yb}(\text{Rh}_{1-x}\text{Co}_x)_2\text{Si}_2$ . <i>Physical Review B</i> , 2012, 85, .	1.1	16
81	Signature of multigap nodeless superconductivity in fluorine-doped $\text{NdFeAsO}$ . <i>Physical Review B</i> , 2017, 96, .	1.1	16
82	Nature of optical excitations in the frustrated kagome compound herbertsmithite. <i>Physical Review B</i> , 2017, 96, .	1.1	16
83	Strong spin-orbit coupling in the noncentrosymmetric Kondo lattice. <i>Physical Review B</i> , 2018, 98, .	1.1	16
84	Interplay between unconventional superconductivity and heavy-fermion quantum criticality: $\text{CeCu}_2\text{Si}_2$ versus $\text{YbRh}_2\text{Si}_2$ . <i>Philosophical Magazine</i> , 2018, 98, 2930-2963.	0.7	16
85	Kondo-lattice ferromagnets and their peculiar order along the magnetically hard axis determined by the crystalline electric field. <i>Physical Review B</i> , 2019, 99, .	1.1	16
86	Low-temperature magnetic susceptibility of single crystals. <i>Physica B: Condensed Matter</i> , 2008, 403, 1236-1238.	1.3	15
87	Magnetic anisotropy of $\text{YbNi}_4\text{P}_2$ . <i>Journal of Physics: Conference Series</i> , 2012, 391, 012032.	0.3	15
88	Magnetism, f-electron localization and superconductivity in 122-type heavy-fermion metals. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 294201.	0.7	15
89	$\text{CoBi}_3$ – the first binary compound of cobalt with bismuth: high-pressure synthesis and superconductivity. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 395701.	0.7	15
90	Crystal Growth of Materials with the $\text{ThCr}_2\text{Si}_2$ Structure Type. <i>Crystal Research and Technology</i> , 2020, 55, 1900116.	0.6	15

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91	Classical and cubic Rashba effect in the presence of in-plane magnetism at the iridium silicide surface of the antiferromagnet $\text{YbRh}_2\text{Si}_2$ . <i>Physical Review B</i> , 2021, 103, .	1.1	15
92	Electron spin resonance in $\text{YbRh}_2\text{Si}_2$ : The role of the residual linewidth. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 686-687.	0.6	14
93	Anisotropic electron spin resonance of $\text{YbRh}_2\text{Si}_2$ . <i>Journal of Physics Condensed Matter</i> , 2010, 22, 135602.	0.7	14
94	Lifshitz transitions and quasiparticle de-renormalization in $\text{YbRh}_2\text{Si}_2$ . <i>New Journal of Physics</i> , 2013, 15, 093032.	1.2	14
95	Excitations in Ce Kondo lattices studied by resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2016, 93, .	1.3	14
96	Metallic coplanar resonators optimized for low-temperature measurements. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 395501.	1.3	14
97	Specific Heat Study of 1D and 2D Excitations in the Layered Frustrated Quantum Antiferromagnets $\text{CsYbCl}_2$ and $\text{CsYbCl}_3$ . <i>Physical Review Letters</i> , 2019, 123, 147202.	2.9	14
98	Low-temperature structural investigations of the frustrated quantum antiferromagnets $\text{CsYbCl}_2$ and $\text{CsYbCl}_3$ . <i>Physical Review B</i> , 2015, 91, .	1.2	14
99	Photoelectron diffraction for probing valency and magnetism of $\text{YbNi}_4\text{P}_2$ -based materials: A view on valence-fluctuating $\text{YbNi}_4\text{P}_2$ . <i>Physical Review B</i> , 2020, 102, .	1.1	13
100	Lattice dynamics in the spin-12 frustrated kagome compound herbertsmithite. <i>Physical Review B</i> , 2020, 101, .	1.1	13
101	Temperature- and Magnetic-Field-Dependent Optical Properties of Heavy Quasiparticles in $\text{YbRh}_2\text{Si}_2$ . <i>Journal of the Physical Society of Japan</i> , 2010, 79, 123703.	0.7	12
102	Magnetic order and spin dynamics in the proximity of a ferromagnetic quantum critical point: $\text{YbNi}_4\text{P}_2$ SR study of $\text{YbNi}_4\text{P}_2$ . <i>Physical Review B</i> , 2016, 94, 040402.	1.1	12
103	Microscopic origin of the charge transfer in single crystals based on thiophene derivatives: A combined NEXAFS and density functional theory approach. <i>Journal of Chemical Physics</i> , 2016, 145, 034702.	1.2	12
104	Exchange scaling of ultrafast angular momentum transfer in 4f antiferromagnets. <i>Nature Materials</i> , 2022, 21, 514-517.	13.3	12
105	Low-temperature properties of the heavy fermion system $\text{YbRh}_2\text{Si}_2$ . <i>Physica B: Condensed Matter</i> , 2006, 378-380, 74-75.	1.3	11
106	Tuning the dispersion of 4f bands in the heavy-fermion material $\text{YbRh}_2\text{Si}_2$ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2010, 181, 70-75.	0.8	11
107	Investigations on the ferromagnetic quantum critical system $\text{YbNi}_4\text{P}_2$ . <i>Physical Review B</i> , 2016, 94, 040402.	1.1	11
108	Structural investigations on $\text{YbRh}_2\text{Si}_2$ : from the atomic to the macroscopic length scale. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 294203.	0.7	11

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109	Ultrast quasiparticle dynamics in the heavy-fermion compound YbRh <sub>2</sub> Si <sub>2</sub> Physical Review B, 2012, 86, .	1.1	10
110	Magnetization study of the energy scales in YbRh <sub>2</sub> Si <sub>2</sub> under chemical pressure. Physica Status Solidi (B): Basic Research, 2013, 250, 485-490.	0.7	10
111	Valence instability in the bulk and at the surface of the antiferromagnet SmRh <sub>2</sub> Si <sub>2</sub> . Physical Review B, 2017, 95, .	1.1	10
112	High-pressure effects on isotropic superconductivity in the iron-free layered pnictide superconductor BaPd <sub>2</sub> Physical Review B, 2018, 97, .	1.1	10
113	Evolution from Ferromagnetism to Antiferromagnetism in Yb <sub>2</sub> Physical Review B, 2018, 97, .		



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127	Band-structure and anomalous contributions to the Hall effect of YbRh <sub>2</sub> Si <sub>2</sub> . Physica B: Condensed Matter, 2008, 403, 1251-1253.	1.3	7
128	The effect of pressure and Ir substitution in YbRh <sub>2</sub> Si <sub>2</sub> . Journal of Physics Condensed Matter, 2008, 20, 505205.	0.7	7
129	Pressure-temperature phase diagram of the ferromagnetic Kondo lattice compound CeRuPO. Physica B: Condensed Matter, 2009, 404, 2934-2937.	1.3	7
130	Magnetization measurements on YbRh <sub>2</sub> Si <sub>2</sub> at very low temperatures. Journal of Physics: Conference Series, 2009, 150, 042178.	0.3	7
131	Magnetic phase diagram of YbCo <sub>2</sub> Si <sub>2</sub> derived from magnetization measurements. Physical Review B, 2011, 84, .	1.1	7
132	Physical properties and crystal chemistry of Ce <sub>2</sub> Ga <sub>12</sub> Pt. Journal of Physics Condensed Matter, 2012, 24, 256006.	0.7	7
133	Magneto-acoustic study near the quantum critical point of the frustrated quantum antiferromagnet Cs <sub>2</sub> CuCl <sub>4</sub> . Journal of Applied Physics, 2016, 120, 142113.	1.1	7
134	Magnetic order and spin dynamics across a ferromagnetic quantum critical point: $\langle \mathbf{S}_i \cdot \mathbf{S}_{i+1} \rangle$ of		

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145	Analysis of the crystal electric field parameters of YbNi <sub>4</sub> P <sub>2</sub> . <i>New Journal of Physics</i> , 2018, 20, 073021.	1.2	6
146	Temperature-dependent change of the electronic structure in the Kondo lattice system YbRh <sub>2</sub> Si <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , 2021, 33, 205601.	0.7	6
147	Terahertz conductivity of heavy-fermion systems from time-resolved spectroscopy. <i>Physical Review Research</i> , 2020, 2, .	1.3	6
148	Optical properties of YbRh <sub>2</sub> Si <sub>2</sub> and YbIr <sub>2</sub> Si <sub>2</sub> : A comparison. <i>Physica B: Condensed Matter</i> , 2008, 403, 775-777.	1.3	5
149	Crystalline electric field splitting in YbNi <sub>4</sub> P <sub>2</sub> measured by inelastic neutron scattering. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 522-524.	0.7	5
150	Ferromagnetic fluctuations in YbNi <sub>4</sub> P <sub>2</sub> measured by inelastic neutron scattering. <i>Journal of Physics: Conference Series</i> , 2015, 592, 012083.	0.3	5
151	Ba <sub>8</sub> Au <sub>5.25</sub> Ge <sub>40.75</sub> (110): A Nano-Caged Surface Electronically Controlled by Barium and Gold Adatoms. <i>Journal of Physical Chemistry C</i> , 2018, 122, 29298-29306.	1.5	5
152	Signatures of Phase Transitions in the Microwave Response of YbRh <sub>2</sub> Si <sub>2</sub> . <i>Physics Procedia</i> , 2015, 75, 340-347.	1.2	5
153	Low-temperature thermopower study of YbRh <sub>2</sub> Si <sub>2</sub> . <i>Journal of Physics: Conference Series</i> , 2009, 150, 042049.	0.3	4
154	Effect of pressure on the electron spin resonance of a heavy-fermion metal. <i>Physical Review B</i> , 2010, 81, .	1.1	4
155	Crystal Growth with Oxygen Partial Pressure of the BaCuSi <sub>2</sub> O <sub>6</sub> and Ba <sub>1-x</sub> Sr <sub>x</sub> CuSi <sub>2</sub> O <sub>6</sub> Spin Dimer Compounds. <i>Crystal Growth and Design</i> , 2016, 16, 3416-3424.	1.4	4
156	Avoided ferromagnetic quantum critical point: Antiferromagnetic ground state in substituted CeFePO. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600169.	0.7	4
157	Magnetostructural Properties of the Layered Quasi-2D Triangular Lattice Antiferromagnets Cs <sub>2</sub> CuCl <sub>4</sub> <sup>x</sup> Br <sub>x</sub> for x = 0, 1, 2, and 4. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900044.	0.7	4
158	Interlayer Coupling of a Two-Dimensional Kondo Lattice with a Ferromagnetic Surface in the Antiferromagnet CeCo <sub>2</sub> P <sub>2</sub> . <i>ACS Nano</i> , 2022, 16, 3573-3581.	7.3	4
159	Magnetic field dependence of the antiferromagnetic phase transitions in Co-doped YbRh <sub>2</sub> Si <sub>2</sub> . <i>Journal of Physics: Conference Series</i> , 2010, 200, 012089.	0.3	3
160	Development of the critical exponent at the antiferromagnetic phase transition of YbRh <sub>2</sub> Si <sub>2</sub> under chemical pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 734-736.	0.7	3
161	How chemical pressure affects the fundamental properties of rare-earth pnictides: An ARPES view. <i>Physical Review B</i> , 2012, 86, .	1.1	3
162	Ferromagnetic correlations in heavy fermions from an NMR point of view: YbNi <sub>4</sub> P <sub>2</sub> vs. YbRh <sub>2</sub> Si <sub>2</sub> . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 540-543.	0.8	3

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163	New magnetically ordered phases in $\text{YbRh}_2\text{Si}_2$ . Physica Status Solidi (B): Basic Research, 2013, 250, 482-484.	0.7	3
164	Chiral Magnetism in an Itinerant Helical Magnet, $\text{MnSi}$ – An Extended $^{29}\text{Si}$ NMR Study. Journal of the Physical Society of Japan, 2016, 85, 073701.	0.7	3
165	Many-body theory of magnetoelasticity in one dimension. Physical Review B, 2017, 95, .	1.1	3
166	Paramagnetic resonance in $\text{GdRh}_2\text{Si}_2$ . Journal of Physics: Conference Series, 2017, 807, 012007.	0.3	3
167	Angle-dependent electron spin resonance of $\text{YbRh}_2\text{Si}_2$ measured with planar microwave resonators and in-situ rotation. Physica B: Condensed Matter, 2018, 536, 331-334.	1.1	3
168	Weak magnetic anisotropy in $\text{GdRh}_2\text{Si}_2$ studied by magnetic resonance. Physical Review B, 2018, 97, .	1.1	3
169			

#	ARTICLE	IF	CITATIONS
181	Multi-Center Magnon Excitations Open the Entire Brillouin Zone to Terahertz Magnetometry of Quantum Magnets. <i>Advanced Quantum Technologies</i> , 0, , 2200023.	1.8	2
182	Hall effect of. <i>Physica B: Condensed Matter</i> , 2008, 403, 1295-1297.	1.3	1
183	Electrical resistivity of $\text{YbRh}_2\text{Si}_2$ . <i>Physica B: Condensed Matter</i> , 2009, 404, 2890-2893.		
184	Quantum criticality in $\text{Yb}(\text{Rh}_{0.97}\text{Co}_{0.03})_2\text{Si}_2$ probed by low-temperature resistivity. <i>Journal of Physics: Conference Series</i> , 2010, 200, 012038.	0.3	1
185	Publisher's Note: Ferromagnetism and superconductivity in $\text{CeFeAs}_{1-x}\text{P}_x\text{O}$ ( $0 \leq x \leq 0.40$ ) [Phys. Rev. B 86, 020501(R) (2012)]. <i>Physical Review B</i> , 2012, 86, .	1.1	1
186	Magnetic properties of $\text{Yb}(\text{Rh}_{0.42}\text{Co}_{0.58})_2\text{Si}_2$ . <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 476-481.	0.7	1
187	Two crown-ether-coordinated caesium halogen salts. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 455-459.	0.2	1
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189	Influence of the oxygen concentration on crystal growth and structure of the $\text{BaCuSi}_2\text{O}_6$ and $\text{Ba}_{1-x}\text{Sr}_x\text{CuSi}_2\text{O}_6$ spin dimer compounds. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s325-s326.	0.0	1
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192	Magnetic Stray Field Detection as Guidance for Electronic Transport Measurements in the B-T Phase Diagram of $\text{MnSi}$ . <i>Acta Physica Polonica A</i> , 2018, 133, 582-584.	0.2	1
193	Effect of symmetry reduction on the magnetic properties of $\text{LiNi}_2\text{Si}_2$ . <i>Physica B: Condensed Matter</i> , 2018, 539, 108-111.	1.0	1
194	Hole mobility in organic single crystal field effect transistors. , 0, , .		0
195	Investigation of charge transport in organic single crystals using a "flip-crystal" field-effect technique. , 0, , .		0
196	High-field ESR study of the Kondo lattice system $\text{YbRh}_2\text{Si}_2$ . <i>Journal of Physics: Conference Series</i> , 2009, 150, 042085.	0.3	0
197	Influence of Ir and La substitution on the thermal transport properties of $\text{YbRh}_2\text{Si}_2$ . <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 491-494.	0.7	0
198	Anisotropic Zeeman Splitting in $\text{YbNi}_4\text{P}_2$ . , 2018, 5, .		0

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199	Uniaxial and fourfold basal anisotropy in $\text{GdRh}_2\text{Si}_2$ . Journal of Physics Condensed Matter, 2020, 32, 495801.	0.7	0