

Eric Bauer

List of Publications by Year in descending order

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papers

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citations

22099

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437
docs citations

437
times ranked

8088
citing authors

#	ARTICLE	IF	CITATIONS
1	Microscopic probe of magnetic polarons in antiferromagnetic Eu ₅ In ₂ Sb ₆ . Physical Review B, 2022, 105, .	1.1	4
2	Weyl Fermion magneto-electrodynamics and ultralow field quantum limit in TaAs. Science Advances, 2022, 8, eabj1076.	4.7	4
3	Controlling superconductivity of CeIrIn ₅ microstructures by substrate selection. Applied Physics Letters, 2022, 120, .	1.5	2
4	Crystal-field excitations and quadrupolar fluctuations of 4f-electron systems studied by polarized light scattering. Journal of Physics: Conference Series, 2022, 2164, 012054.	0.3	1
5	DFT+DMFT study of dopant effects in the heavy-fermion compound CeCoIn ₅ . Physical Field-induced multiple quantum phase transitions in the antiferromagnetic Kondo-lattice compound	1.1	2
6	Coexisting Kondo hybridization and itinerant ferromagnetism in UGe ₂ . Physical Review B, 2022, 105, .	1.1	4
7	Coexisting Kondo hybridization and itinerant ferromagnetism in UGe ₂ . Physical Review Research, 2022, 4, .	1.3	3
8	Single thermodynamic transition at 2 K in superconducting UTe ₂ single crystals. Communications Materials, 2022, 3, .	2.9	39
9	Colossal piezoresistance in narrow-gap Eu _{1.5} Co _{1.5} Si ₃ . Physical Review B, 2022, 106, .		
10	Spin-texture-driven electrical transport in multi-Q antiferromagnets. Communications Physics, 2021, 4, .	2.0	19
11	Colossal anomalous Nernst effect in a correlated noncentrosymmetric kagome ferromagnet. Science Advances, 2021, 7, .	4.7	61
12	Angle-resolved photoemission spectroscopy view on the nature of Ce _{4f} electrons in the antiferromagnetic Kondo lattice CePd. Physical Review B, 2021, 103, .	1.1	5
13	Electron-beam floating-zone refined UCoGe. Physical Review Materials, 2021, 5, .	0.9	1
14	Evidence for even parity unconventional superconductivity in Sr ₂ RuO ₄ . Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	54
15	Local observation of linear superfluid density and anomalous vortex dynamics in U ₂ Ru ₂ Si ₂ . Physical Review B, 2021, 103, .	1.1	8
16	Narrow-gap semiconducting behavior in antiferromagnetic Eu ₁₁ InSb ₉ . Physical Review Materials, 2021, 5, .	0.9	1
17	Temperature dependence of quantum oscillations from non-parabolic dispersions. Nature Communications, 2021, 12, 6213.	5.8	14
18	The 4f-Hybridization Strength in Ce _m M _n In _{3m+2n} Heavy-Fermion Compounds Studied by Angle-Resolved Photoemission Spectroscopy. Chinese Physics Letters, 2021, 38, 107402.	1.3	2

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19	Spatially inhomogeneous superconductivity in $U\text{T}_{e2}$. Physical Review B, 2021, 104, .	1.1	31
20	Evidence for a pressure-induced antiferromagnetic quantum critical point in intermediate-valence $U\text{T}_{e2}$. Science Advances, 2020, 6, .	4.7	69
21	Non-monotonic pressure dependence of high-field nematicity and magnetism in CeRhIn5. Nature Communications, 2020, 11, 3482.	5.8	9
22	Pressure dependence of antiferromagnetic and superconducting phases in $URu_2\text{Si}_2$. Physical Review B, 2020, 102, .	1.1	0
23	Large tunable anomalous Hall effect in the Kagome antiferromagnet $URu_4\text{Si}_8$. Physical Review B, 2020, 102, .	1.1	8
24	Skyrmion lattice creep at ultra-low current densities. Communications Materials, 2020, 1, .	2.9	11
25	Colossal magnetoresistance in a nonsymmorphic antiferromagnetic insulator. Npj Quantum Materials, 2020, 5, .	1.8	38
26	Quantum-well states in fractured crystals of the heavy-fermion material $CeCoIn_5$. Physical Review B, 2020, 102, .	1.1	1
27	Local characterization of a heavy-fermion superconductor via sub-Kelvin magnetic force microscopy. Applied Physics Letters, 2020, 117, .	1.5	6
28	Q-dependent Kondo spin fluctuations, and $4f$ -phonon resonance in $URu_2\text{Si}_2$. Physical Review B, 2020, 102, .	1.1	3
29	Hybridization effect on the X-ray absorption spectra for actinide materials: Application to $URu_2\text{Si}_2$. Physical Review B, 2020, 102, .	1.1	3
30	Interplay of the Spin Density Wave and a Possible Fulde-Ferrell-Larkin-Ovchinnikov State in $CeCoIn_5$ in Rotating Magnetic Field. Physical Review Letters, 2020, 124, 217001.	2.9	10
31	$CePtA_4G$. Physical Review B, 2020, 102, .	1.1	4
32	One-component order parameter in URu_2Si_2 uncovered by resonant ultrasound spectroscopy and machine learning. Science Advances, 2020, 6, eaaz4074.	4.7	33
33	Extent of Fermi-surface reconstruction in the high-temperature superconductor $HgBa_2CuO_{4+\delta}$. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9782-9786.	3.3	7
34	From antiferromagnetic and hidden order to Pauli paramagnetism in URu_2Si_2 compounds with $5f$ electron duality. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30220-30227.	3.3	25
35	Intermediate Yb valence in the Zintl phases $Yb_{1-x}M_x$: XANES, magnetism, and heat capacity. Physical Review Materials, 2020, 4, .	1.1	12
36	Spatial control of heavy-fermion superconductivity in $CeIr_5$. Science, 2019, 366, 221-226.	6.0	37

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37	Crystal electric field splitting and f -electron hybridization in heavy-fermion CePt_2 . <i>Physical Review B</i> , 2019, 100, .	1.1	7
38	Constraints on the superconducting order parameter in Sr_2RuO_4 from oxygen-17 nuclear magnetic resonance. <i>Nature</i> , 2019, 574, 72-75.	13.7	264
39	Ultrahigh-resolution neutron spectroscopy of low-energy spin dynamics in UGe_2 . <i>Physical Review B</i> , 2019, 99, .		
40	Comparing the anomalous Hall effect and the magneto-optical Kerr effect through antiferromagnetic phase transitions in Mn_3Sn . <i>Applied Physics Letters</i> , 2019, 114, .	1.5	29
41	Anomalous connection between antiferromagnetic and superconducting phases in the pressurized noncentrosymmetric heavy-fermion compound CeRhG . <i>Physical Review B</i> , 2019, 99, .		6
42	Orientation of the ground-state orbital in CeCoIn_5 and CeRhIn_5 . <i>Physical Review B</i> , 2019, 99, .		
43	Magnetoelastic coupling in URu_2Si_2 : Probing multipolar correlations in the hidden order state. <i>Physical Review B</i> , 2019, 99, .	1.1	8
44	Pu_{239} nuclear magnetic resonance in the candidate topological insulator PuB_4 . <i>Physical Review B</i> , 2019, 99, .	1.1	8
45	Enhancement of the effective mass at high magnetic fields in CeRhIn_5 . <i>Physical Review B</i> , 2019, 99, .		
46	Thermodynamic Signatures of Weyl Fermions in NbP . <i>Scientific Reports</i> , 2019, 9, 2095.	1.6	13
47	Contrasting pressure evolution of f -electron hybridized states in CeRhIn_5 and CeRhIn_5 . <i>Physical Review B</i> , 2019, 99, .	1.1	4
48	Suppression of hybridization by Cd doping in CeCoIn_5 . <i>Physical Review B</i> , 2019, 100, .	1.1	5
49	Magnetic field-tuned Fermi liquid in a Kondo insulator. <i>Nature Communications</i> , 2019, 10, 5487.	5.8	18
50	Enhanced Hybridization Sets the Stage for Electronic Nematicity in CeRhIn_5 . <i>Physical Review Letters</i> , 2019, 122, 016402.	2.9	19
51	Raman spectroscopy of f -electron metals: An example of CeB_6 . <i>Physical Review Materials</i> , 2019, 3, .	0.9	11
52	Superconductivity in pressurized CeRhG and related noncentrosymmetric compounds. <i>Physical Review B</i> , 2018, 97, .	1.1	18
53	Magnetic phase dependence of the anomalous Hall effect in Mn_3Sn single crystals. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	71
54	Unconventional and conventional quantum criticalities in $\text{CeRh}_0.58\text{Ir}_0.42\text{In}_5$. <i>Npj Quantum Materials</i> , 2018, 3, .	1.8	7

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55	A peak in the critical current for quantum critical superconductors. Nature Communications, 2018, 9, 434.	5.8	15
56	Evolution of ground-state wave function in $\langle \mathbf{m} \rangle$ CeCoIn_5 upon Cd or Sn doping. Physical Review B, 2018, 97, .	1.1	16
57	Dual roles of f electrons in mixing Al 3p character into d-orbital conduction bands for lanthanide and actinide dialuminides. Physical Review B, 2018, 97, .	1.1	4
58	Visualizing heavy fermion confinement and Pauli-limited superconductivity in layered CeCoIn_5 . Nature Communications, 2018, 9, 549.	5.8	13
59	Synthesis and characterization of the heavy-fermion compound $\text{CePtAl}_4\text{Ge}_2$. Journal of Alloys and Compounds, 2018, 738, 550-555.	2.8	5
60	Coherent band excitations in CePd_3 : A comparison of neutron scattering and ab initio theory. Science, 2018, 359, 186-191.	6.0	36
61	Tunable emergent heterostructures in a prototypical correlated metal. Nature Physics, 2018, 14, 456-460.	6.5	15
62	Anisotropic magnetocrystalline coupling of the skyrmion lattice in MnSi. Physical Review B, 2018, 97, .	1.1	16
63	Resonant torsion magnetometry in anisotropic quantum materials. Nature Communications, 2018, 9, 3975.	5.8	30
64	Magnetoelastics of High Field Phenomena in Antiferromagnets UO_2 and CeRhIn_5 . , 2018, , .		2
65	Experimental and theoretical study of topology and electronic correlations in $\langle \mathbf{m} \rangle$ PuB_4 Physical Review B, 2018, 97, .		
66	From Ising Resonant Fluctuations to Static Uniaxial Order in Antiferromagnetic and Weakly Superconducting CeCo		

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73	Domain engineering of the metastable domains in the 4f-uniaxial-ferromagnet CeRu ₂ Ga ₂ B. Scientific Reports, 2017, 7, 46296.	1.6	10
74	Competing magnetic orders in the superconducting state of heavy-fermion CeRhIn ₅ . Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5384-5388.	3.3	14
75	Inducing superconductivity in Weyl semimetal microstructures by selective ion sputtering. Science Advances, 2017, 3, e1602983.	4.7	68
76	Low temperature magnetic structure of CeRhIn ₅ by neutron diffraction on absorption-optimized samples. Journal of Physics Condensed Matter, 2017, 29, 17LT01.	0.7	15
77	Electronic structure of heavy fermion system CePt ₂ In ₇ from angle-resolved photoemission spectroscopy. Chinese Physics B, 2017, 26, 077401.	0.7	5
78	Hybridization gap in the heavy-fermion compound $d^2UP_{A_2}$ via quasiparticle scattering spectroscopy. Physical Review B, 2017, 95, .	1.1	7
79	Switching dynamics of the spin density wave in superconducting CeCoIn ₅ . Physical Review B, 2017, 95, .	1.1	4
80	On the possibility to detect multipolar order in URu ₂ Si ₂ by the electric quadrupolar transition of resonant elastic x-ray scattering. Physical Review B, 2017, 96, .	1.1	10
81	Investigation of the commensurate magnetic structure in the heavy-fermion compound CePt ₂ In ₇ using magnetic resonant x-ray diffraction. Physical Review B, 2017, 96, .	1.1	6
82	Emergent magnetic anisotropy in the cubic heavy-fermion metal CeIn ₃ . Npj Quantum Materials, 2017, 2, .	1.8	14
83	Electronic in-plane symmetry breaking at field-tuned quantum criticality in CeRhIn ₅ . Nature, 2017, 548, 313-317.	13.7	89
84	Realization of the axial next-nearest-neighbor Ising model in U ₃ Al ₂ Ge ₃ . Physical Review B, 2017, 96, .	1.1	1
85	Versatile strain-tuning of modulated long-period magnetic structures. Applied Physics Letters, 2017, 110, 192409.	1.5	17
86	Resonances in the Field-Angle-Resolved Thermal Conductivity of $CeCoIn_5$. Physical Review Letters, 2017, 118, 197001.	2.9	4
87	Anisotropy of Spin Fluctuations in a Tetragonal Heavy Fermion Antiferromagnet CeRhAl ₄ Si ₂ . Journal of Physics: Conference Series, 2017, 868, 012012.	0.3	1
88	Tuning the magnetic anisotropy in $CeRhIn_5$ via Gd substitution. Physical Review B, 2017, 96, .	1.1	1
89	Nuclear magnetic resonance investigation of the heavy fermion system Ce ₂ CoAl ₇ Ge ₄ . Physical Review B, 2017, 96, .	1.1	3
90	Local moments in the heterogeneous electronic state of Cd-substituted CeCoIn ₅ : NQR relaxation rates. Journal of Physics: Conference Series, 2017, 807, 032001.	0.3	3

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91	Hard TM crystalline lattice in the Weyl semimetal NbAs. Journal of Physics Condensed Matter, 2016, 28, 055502.	0.7	17
92	Quasi-particle interference of heavy fermions in resonant x-ray scattering. Science Advances, 2016, 2, e1601086.	4.7	4
93	Quantum Critical Scaling in the Disordered Itinerant Ferromagnet UCo _{1-x} Fe _x Ge. Physical Review Letters, 2016, 117, 237202.	2.9	10
94	Isochronal annealing effects on local structure, crystalline fraction, and undamaged region size of radiation damage in Ga-stabilized γ -Pu. Journal of Applied Physics, 2016, 120, .	1.1	14
95	Intertwined Orders in Heavy-Fermion Superconductor $CeCoIn_5$. Physical Review X, 2016, 6, .	2.8	35
96	Anomalous electronic structure and magnetoresistance in TaAs ₂ . Scientific Reports, 2016, 6, 27294.	1.6	74
97	Extended nuclear quadrupole resonance study of the heavy-fermion superconductor PuCoGa ₅ . Physical Review B, 2016, 94, .	1.1	5
98	Directly probing spin dynamics in insulating antiferromagnets using ultrashort terahertz pulses. Physical Review B, 2016, 94, .	1.1	8
99	High pressure effects on U _{L3} -x-ray absorption in partial fluorescence yield mode and single crystal x-ray diffraction in the heavy fermion compound UCd ₁₁ . Journal of Physics Condensed Matter, 2016, 28, 105601.	0.7	9
100	Magnetic microstructure and magnetic properties of uniaxial itinerant ferromagnet Fe ₃ GeTe ₂ . Journal of Applied Physics, 2016, 120, .	1.1	87
101	Anomalous local magnetism in the 4f-localized ferromagnets CeRu ₂ X ₂ B (X = Al, Ga) revealed by using ZF- μ SR. Journal of the Korean Physical Society, 2016, 68, 1200-1205.	0.3	0
102	Observation of Dirac-like semi-metallic phase in NdSb. Journal of Physics Condensed Matter, 2016, 28, 23LT02.	0.7	35
103	Study of the magnetic properties of the Ce _{1-x} Pt alloy system: Which interaction establishes ferromagnetism in Kondo systems?. Journal of Magnetism and Magnetic Materials, 2016, 417, 359-364.	1.0	3
104	Optical spectroscopy and ultrafast pump-probe studies on the heavy-fermion compound CePt ₂ In ₇ . Physical Review B, 2016, 94, .	1.1	9
105	Nuclear Magnetic Resonance Measurements and Electronic Structure of Pu(IV) in [(Me) ₄ N] ₂ PuCl ₆ . Inorganic Chemistry, 2016, 55, 8371-8380.	1.9	20
106	Probing configurations in URu ₂ . Physical Review B, 2016, 93, .	1.1	25
107	Incommensurate to commensurate antiferromagnetism in CeRhAl ₄ Si ₂ : An Al ²⁷ NMR study. Physical Review B, 2016, 93, .	1.1	2
108	Electronic correlation and magnetism in the ferromagnetic metal Fe ₃ C. Physical Review B, 2016, 93, .	1.1	19

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109	Vortexlike excitations in the heavy-fermion superconductor CeIrIn_5 . Physical Review B, 2016, 93, .		
110	Physical properties of the $\text{Ce}_2\text{MAl}_7\text{Ge}_4$ heavy-fermion compounds ($M=\text{Co, Ir, Ni, Pd}$). Physical Review B, 2016, 93, .	1.1	8
111	Large magnetoresistance in the antiferromagnetic semimetal NdSb . Physical Review B, 2016, 93, .	1.1	54
112	Quantitative study of the f occupation in CeMIn_5 and other cerium compounds with hard X-rays. Journal of Electron Spectroscopy and Related Phenomena, 2016, 209, 1-8.	0.8	18
113	Exchange field effect in the crystal-field ground state of $\text{CeMAl}_4\text{Si}_2$. Physical Review B, 2016, 94, .	1.1	1
114	Magnetic torque anomaly in the quantum limit of Weyl semimetals. Nature Communications, 2016, 7, 12492.	5.8	54
115	On the valence fluctuation in the early actinide metals. Journal of Electron Spectroscopy and Related Phenomena, 2016, 207, 14-18.	0.8	12
116	Ground-state wave function of plutonium in PuSb as determined via x-ray magnetic circular dichroism. Physical Review B, 2015, 91, .	1.1	7
117	Magnetocrystalline anisotropy in UMn_2Ge_2 and related Mn-based actinide ferromagnets. Physical Review B, 2015, 91, .	1.1	9
118	Ferromagnetic Kondo behavior in UAuBi_2 single crystals. Physical Review B, 2015, 92, .	1.1	8
119	Microscopic investigation of electronic inhomogeneity induced by substitutions in a quantum critical metal CeCoIn_5 . Physical Review B, 2015, 92, .	1.1	19
120	Determination of spin and orbital magnetization in the ferromagnetic superconductor UCoGe . Physical Review B, 2015, 92, .	1.1	23
121	Electron-hole compensation effect between topologically trivial electrons and nontrivial holes in NbAs . Physical Review B, 2015, 92, .	1.1	66
122	Evidence for broken time-reversal symmetry in the superconducting phase of URuSi_2 . Physical Review B, 2015, 91, .		
123	Thermal and transport properties of $\text{U}_2\text{Pt}_2\text{Ir}_2\text{C}_2$. Journal of Physics Condensed Matter, 2015, 27, 365702.	0.7	1
124	Pressure evolution of <i>f</i> electron hybridized state in CeCoIn_5 studied by optical conductivity. Journal of Physics: Conference Series, 2015, 592, 012001.	0.3	5
125	Investigation of the physical properties of the tetragonal $\text{CeMAl}_4\text{Si}_2$ ($M = \text{Rh, Ir, Pt}$) compounds. Journal of Physics Condensed Matter, 2015, 27, 025601.	0.7	11
126	Structure and Magnetic Properties of $\text{Ce}_3(\text{Ni/Al/Ga})_{11}$ —A New Phase with the $\text{La}_3\text{Al}_{11}$ Structure Type. Crystals, 2015, 5, 1-8.	1.0	1

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127	Chirality density wave of the "hidden order" phase in URu ₂ Si ₂ . Science, 2015, 347, 1339-1342.	6.0	92
128	Magnetism and superconductivity in $UxPt_2RhC_2$. Physical Review B, 2015, 91, 020407.	1.1	7
129	Fermi surface reconstruction and multiple quantum phase transitions in the antiferromagnet CeRhIn ₅ . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 673-678.	3.3	67
130	Correlation between ground state and orbital anisotropy in heavy fermion materials. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2384-2388.	3.3	65
131	Superconductivity in plutonium compounds. Physica C: Superconductivity and Its Applications, 2015, 514, 184-188.	0.6	13
132	Controlling superconductivity by tunable quantum critical points. Nature Communications, 2015, 6, 6433.	5.8	24
133	Evidence for a nematic component to the hidden-order parameter in URu ₂ Si ₂ from differential elastoresistance measurements. Nature Communications, 2015, 6, 6425.	5.8	54
134	Reemergent Superconductivity and Avoided Quantum Criticality in Cd-Doped $CeIrIn_5$ Under Pressure. Physical Review Letters, 2015, 114, 146403.	2.9	17
135	The valence-fluctuating ground state of plutonium. Science Advances, 2015, 1, e1500188.	4.7	89
136	Detection of a Spin-Triplet Superconducting Phase in Oriented Polycrystalline U ₂ PtC ₂ Samples Using Pt-195 Nuclear Magnetic Resonance. Physical Review Letters, 2015, 114, 127001.	2.9	4
137	Avoided valence transition in a plutonium superconductor. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3285-3289.	3.3	39
138	Quantum critical fluctuations in the heavy fermion compound Ce(Ni _{0.935} Pd _{0.065}) ₂ Ge ₂ . Journal of Physics Condensed Matter, 2015, 27, 015602.	0.7	4
139	Field-induced density wave in the heavy-fermion compound CeRhIn ₅ . Nature Communications, 2015, 6, 6663.	5.8	36
140	Magnetotransport of single crystalline NbAs. Journal of Physics Condensed Matter, 2015, 27, 152201.	0.7	117
141	Complex magnetism and strong electronic correlations in $CePd_2RhC_2$. Physical Review B, 2015, 91, 020407.	1.1	7
142	Chemical pressure tuning of URu ₂ Ge ₂ by isoelectronic substitution of Ru with Fe. Physical Review B, 2015, 91, 020407.	1.1	7
143	Building blocks for correlated superconductors and magnets. APL Materials, 2015, 3, 031101.	2.2	3
144	Effect of Pressure on Valence and Structural Properties of YbFe ₂ Ge ₂ Heavy Fermion Compound—A Combined Inelastic X-ray Spectroscopy, X-ray Diffraction, and Theoretical Investigation. Inorganic Chemistry, 2015, 54, 10250-10255.	1.9	3

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145	Magnetic structure of the antiferromagnetic Kondo lattice compounds $\text{CeRhAl}_4\text{Si}_2$ and $\text{CeIrAl}_4\text{Si}_2$. Journal of Physics Condensed Matter, 2015, 27, 245603.	0.7	8
146	Magnitude of the Magnetic Exchange Interaction in the Heavy-Fermion Antiferromagnet CeRhIn_5 . Physical Review Letters, 2014, 113, 246403.	2.9	32
147	Weak itinerant antiferromagnetism in PuIn_3 explored using ^{115}In nuclear quadrupole resonance. Journal of Physics Condensed Matter, 2014, 26, 036001.	0.7	7
148	Approach to Magnetocrystalline Anisotropy of Strong Magnets. Physical Review X, 2014, 4, .	2.8	19
149	Suppression of antiferromagnetism by pressure in CaCo_2P_2 . Physical Review B, 2014, 89, .		
150	Short-range magnetic correlations in the highly correlated electron compound CeCu_4Ga . Physical Review B, 2014, 90, .	1.1	1
151	Microscopic properties of the heavy-fermion superconductor PuCoIn_5 explored by nuclear quadrupole resonance. New Journal of Physics, 2014, 16, 053019.	1.2	6
152	Single crystal study of antiferromagnetic CePd_3Al_9 . Journal of Physics Condensed Matter, 2014, 26, 025601.	0.7	6
153	Q -dependence of the spin fluctuations in the intermediate valence compound CePd_3 . Journal of Physics Condensed Matter, 2014, 26, 225602.	0.7	16
154	CeIrIn_5 : Superconductivity on a magnetic instability. Physical Review B, 2014, 89, .	1.1	25
155	Switching of magnetic domains reveals spatially inhomogeneous superconductivity. Nature Physics, 2014, 10, 126-129.	6.5	46
156	Disorder in quantum critical superconductors. Nature Physics, 2014, 10, 120-125.	6.5	57
157	X-ray photoemission study of CeTIn_5 (T= Co, Rh, Ir). Journal of Physics Condensed Matter, 2014, 26, 205601.	0.7	3
158	Two-channel point-contact tunneling theory of superconductors. Physical Review B, 2014, 90, .	1.1	13
159	Structural and transport properties of epitaxial $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ thin films on various substrates. Superconductor Science and Technology, 2014, 27, 115010.	1.8	12
160	Visualizing Heavy Fermion Formation and their Unconventional Superconductivity in f -Electron Materials. Journal of the Physical Society of Japan, 2014, 83, 061008.	0.7	12
161	Delocalization and occupancy effects of $5f$ orbitals in plutonium intermetallics using L_3 -edge resonant X-ray emission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2014, 194, 57-65.	0.8	37
162	Emergent Antiferromagnetism out of the "Hidden-Order" State in URu_2Si_2 : High Magnetic Field Nuclear Magnetic Resonance to 40 ÅT. Physical Review Letters, 2014, 112, 236401.	2.9	7

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163	Magnetic order in the 2D Heavy-Fermion system CePt ₂ In ₇ studied by μ SR. Journal of Physics: Conference Series, 2014, 551, 012028.	0.3	8
164	Pressure phase diagram and quantum criticality of CePt ₂ In ₇ single crystals. Physical Review B, 2013, 88, .	1.1	26
165	Band-dependent emergence of heavy quasiparticles in CeCoIn ₅ . Physical Review B, 2013, 88, .	1.1	30
166	Visualizing nodal heavy fermion superconductivity in CeCoIn ₅ . Nature Physics, 2013, 9, 474-479.	6.5	174
167	Shubnikov-de Haas oscillation in PuIn ₃ . Journal of the Korean Physical Society, 2013, 63, 380-382.	0.3	3
168	Crystal structure, magnetism and transport properties of Ce ₃ Ni _{25.75} Ru _{3.16} Al _{4.1} B ₁₀ . Journal of Solid State Chemistry, 2013, 205, 154-159.	1.4	1
169	Absence of a static in-plane magnetic moment in the $\sqrt{2} \times \sqrt{2}$ hidden-order phase of URu ₂ Si ₂ . New Journal of Physics, 2013, 15, 053031.	1.2	21
170	Hole doping effect on superconductivity in Ce(Co _{1-x} Th _x) ₂ As ₂ . Physical Review B, 2013, 88, .	1.1	5
171	Transport and thermodynamic properties of (Ca _{1-x} Th _x) ₂ As ₂ . Physical Review B, 2013, 88, .	1.1	25
172	Measurement of Two Low-Temperature Energy Gaps in the Electronic Structure of Antiferromagnetic URu ₂ Si ₂ Using Ultrafast Optical Spectroscopy. Physical Review Letters, 2013, 111, 057402.	2.9	34
173	Symmetry-broken electronic structure and uniaxial Fermi surface nesting of untwinned CaFe ₂ As ₂ . Physical Review B, 2013, 88, .	1.1	10
174	Magnetic field-tuned localization of the $\sqrt{2} \times \sqrt{2}$ hidden-order phase in URu ₂ Si ₂ . Physical Review B, 2013, 88, .	1.1	14
175	Bulk evidence for a time-reversal symmetry broken superconducting state in URu ₂ Si ₂ . Physical Review B, 2013, 88, .	1.1	24
176	Imaging the Three-Dimensional Fermi-Surface Pairing near the Hidden-Order Transition in URu ₂ Si ₂ . Physical Review Letters, 2013, 111, 127002.	2.9	64
177	Detection of electronic nematicity using scanning tunneling microscopy. Physical Review B, 2013, 87, .	1.1	25
178	Zero-Field Quantum Critical Point in CeCoIn ₅ . Physical Review Letters, 2013, 111, 107003.	2.9	30
179	Self-irradiation damage to the local structure of plutonium and plutonium intermetallics. Journal of Applied Physics, 2013, 113, .	1.1	20
180	Local moment ferromagnetism in CeRu ₂ Ga ₂ B. Journal of Physics Condensed Matter, 2012, 24, 185702.	0.7	10

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181	Pressure tuned ferromagnetism in $\text{CeRu}_2\text{M}_2\text{X}$ (M = Al, Ga; X = B, C). Journal of Physics Condensed Matter, 2012, 24, 325601.	0.7	13
182	Quasiparticle Entropy in the High-Field Superconducting Phase of CeCoIn_5 . Physical Review Letters, 2012, 109, 116402.	2.9	21
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184	Textured Superconducting Phase in the Heavy Fermion CeRhIn_5 . Physical Review Letters, 2012, 108, 077003.	2.9	38
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