

Greg Stewart

List of Publications by Year in descending order

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90
papers

9,188
citations

185998

28
h-index

51492

86
g-index

91
all docs

91
docs citations

91
times ranked

5317
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2021 room-temperature superconductivity roadmap. Journal of Physics Condensed Matter, 2022, 34, 183002.	0.7	79
2	Machine learning of superconducting critical temperature from Eliashberg theory. Npj Computational Materials, 2022, 8, .	3.5	27
3	A15 Nb3Si: a T_c superconductor synthesized at a pressure of one megabar and metastable at ambient conditions. Journal of Physics Condensed Matter, 2021, 33, 285705.	0.7	0
4	High-pressure study of the low- Z rich superconductor Be22Re. Physical Review B, 2021, 104, .	1.1	2
5	Low Temperature Specific Heat of Layered Transition Metal Dichalcogenides. Journal of Superconductivity and Novel Magnetism, 2020, 33, 213-215.	0.8	3
6	Crystal Synthesis and Frustrated Magnetism in Triangular Lattice Cs ₂ RE ₂ Se ₂ ($RE = La, Lu$): Quantum Spin Liquid Candidates CsCeSe ₂ and CsYbSe ₂ . , 2020, 2, 71-75.		49
7	The Unconventional Copper Oxide Superconductor with Conventional Constitution. Journal of Superconductivity and Novel Magnetism, 2020, 33, 81-85.	0.8	9
8	22 K superconductivity in BaFe2As2 exposed to F2. Physical Review B, 2020, 102, .	1.1	3
9	Remarkable low-energy properties of the pseudogapped semimetal Be5Pt. Physical Review B, 2020, 102, .	1.1	1
10	Enhanced surface superconductivity in Ba(Fe0.95Co0.05)2As2. Applied Physics Letters, 2020, 116, 062601.	1.5	2
11	Unconventional critical behavior in the quasi-one-dimensional $S_{1/2}$ chain NiTe_2O_5 . Physical Review B, 2019, 100, .	1.1	7
12	UBe13 and U1-xThxBe13: Unconventional Superconductors. Journal of Low Temperature Physics, 2019, 195, 1-25.	0.6	13
13	Superconductivity in a unique type of copper oxide. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12156-12160.	3.3	83
14	Reply to Yamamoto: A cuprate superconductor with unconventional features. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18166-18167.	3.3	1
15	Functional form of the superconducting critical temperature from machine learning. Physical Review B, 2019, 100, .	1.1	35
16	Field-induced magnetic transition and spin fluctuations in the quantum spin-liquid candidate CsYbSe_2 . Physical Review B, 2019, 100, .	1.1	56
17	Synthesis, magnetization, and heat capacity of triangular lattice materials NaErSe_2 and KErSe_2 . Physical Review Materials, 2019, 3, .	0.9	25
18	Unusual effects of Be doping in the iron-based superconductor FeSe. Journal of Physics Condensed Matter, 2018, 30, 445701.	0.7	3

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19	Detection of charge density wave phase transitions at 1T-TaS2/GaAs interfaces. Applied Physics Letters, 2017, 110, 181603.	1.5	7
20	Bi-2212/1T-TaS2 Van der Waals junctions: Interplay of proximity induced high-T c superconductivity and CDW order. Scientific Reports, 2017, 7, 4639.	1.6	7
21	Unconventional superconductivity. Advances in Physics, 2017, 66, 75-196.	35.9	154
22	Unusual sensitivity of superconductivity to strain in iron-based 122 superconductors. Physical Review B, 2015, 91, .	1.1	12
23	Specific heat investigation for line nodes in heavily overdoped Ba _{1-x} K _x Fe ₂ As ₂ . Physical Review B, 2015, 91, .	1.1	5
24	Universal scaling law for the condensation energy across a broad range of superconductor classes. Physical Review B, 2015, 92, .	1.1	10
25	A heavy-fermion antiferromagnet similar to Zn	1.1	4
26	LiFeP: A nodal superconductor with an unusually large CTc. Physical Review B, 2013, 87, .	1.1	6
27	Specific heat to	1.1	12
28	Evidence for nodes or deep minima in the superconducting gap of underdoped and overdoped		

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37	Normal and Superconducting State Properties of Doped CePt ₃ Si. Journal of Low Temperature Physics, 2007, 147, 135-146.	0.6	3
38	Addendum: Non-Fermi-liquid behavior in d- and f-electron metals. Reviews of Modern Physics, 2006, 78, 743-753.	16.4	213
39	Magnetic properties of the two allotropic phases of PuGa ₃ . Physical Review B, 2005, 72, .	1.1	21
40	Spurious second transition in the heavy-fermion superconductor CePt ₃ Si. Physical Review B, 2005, 71, .	1.1	27
41	Disorder effects near a magnetic instability in CePtSi _{1-x} Gex (x=0, 0.1). Physical Review B, 2004, 70, .	1.1	13
42	Structural Tuning of Unconventional Superconductivity in PuMGa ₅ (M=Co, Rh). Physical Review Letters, 2004, 93, 147005.	2.9	114
43	Field-induced non-Fermi-liquid behavior in Ce ₂ IrIn ₈ . Physical Review B, 2004, 69, .	1.1	13
44	²⁹ Si nuclear spin-lattice relaxation in CePtSi _{1-x} Gex near a magnetic instability. Physical Review B, 2004, 70, .	1.1	1
45	Implications of T _c -Variation in UBe ₁₃ for a Possible Fulde-Ferrell-Larkin-Ovchinnikov Phase. Journal of Superconductivity and Novel Magnetism, 2003, 16, 957-960.	0.5	3
46	Non-Fermi-liquid behavior in Ce _{1-x} Th _x RhSb. Physical Review B, 2003, 67, .	1.1	6
47	Field-induced transition in the specific heat of CeIrIn ₅ for B > ~30T. Physical Review B, 2002, 65, .	1.1	22
48	SPECIFIC HEAT ANOMALY FOR H ≈ 28.5 T IN CeIrIn ₅ . International Journal of Modern Physics B, 2002, 16, 3014-3017.	1.0	0
49	Plutonium-based superconductivity with a transition temperature above 18 K. Nature, 2002, 420, 297-299.	13.7	483
50	Magnetic Field Response in (UTh)Be ₁₃ . Journal of Low Temperature Physics, 2002, 126, 815-833.	0.6	4
51	SPECIFIC HEAT ANOMALY FOR H ≈ 28.5 T IN CeIrIn ₅ , 2002, , .		0
52	Non-Fermi-liquid behavior in d- and f-electron metals. Reviews of Modern Physics, 2001, 73, 797-855.	16.4	1,437
53	Investigation on the Nature of the Concentration-Induced Non-Fermi-Liquid Behavior in YbCu _{3.5} Al _{1.5} . Journal of Low Temperature Physics, 2001, 123, 25-33.	0.6	6
54	Specific Heat Near H _{metamag} = 18 T in UPd ₂ Al ₃ . Journal of Low Temperature Physics, 2001, 124, 527-535.	0.6	5

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55	Specific heat in high magnetic fields and non-Fermi-liquid behavior in CeMn_5 ($M=\text{Ir,Co}$). <i>Physical Review B</i> , 2001, 64, .	1.1	89
56	Magnetism, spin fluctuations, and non-Fermi-liquid behavior in $(\text{U}_x\text{La}_{1-x})_2\text{Zn}_{17}$. <i>Physical Review B</i> , 2001, 64, .	1.1	9
57	Crossover to Fermi-Liquid Behavior at Lowest Temperatures in Pure CeNi_2Ge_2 . <i>Journal of Low Temperature Physics</i> , 2000, 119, 147-153.	0.6	18
58	UCu_4Pd : A Disordered Antiferromagnetic Compound. <i>Journal of Low Temperature Physics</i> , 2000, 121, 105-113.	0.6	21
59	Thermal expansion studies of superconducting $\text{U}_{1-x}\text{Th}_x\text{Be}_{13}$ ($0 < x < \sim 0.052$): Implications for the interpretation of the T-x phase diagram. <i>Physical Review B</i> , 2000, 62, 12477-12488.	1.1	21
60	Title is missing!. <i>Journal of Low Temperature Physics</i> , 1998, 110, 873-884.	0.6	10
61	Specific heat study in $\text{U}_{1-x}\text{Th}_x\text{Be}_{13}$: "Enormous" γ and strong coupling at $x=x_1$ and x_2 ; Correlation between γ and unusual superconductivity. <i>Physical Review B</i> , 1998, 58, 15153-15159.	1.1	14
62	Revision of the Phase Diagram of Superconducting $\text{U}_{1-x}\text{Th}_x\text{Be}_{13}$. <i>Physical Review Letters</i> , 1998, 81, 4476-4479.	2.9	62
63	Nuclear antiferromagnetic ordering in PrBe_{13} . <i>European Physical Journal D</i> , 1996, 46, 2199-2200.	0.4	6
64	Microwave impedance measurements on the heavy fermion superconductors UPt_3 and UBe_{13} . <i>European Physical Journal D</i> , 1996, 46, 773-774.	0.4	0
65	Transition from diffusive to thermal transport through metallic point contacts between the heavy-fermion superconductor UBe_{13} and tungsten. <i>Journal of Low Temperature Physics</i> , 1996, 102, 325-334.	0.6	19
66	Strong coupling effects on the upper critical field of the heavy-fermion superconductor UBe_{13} . <i>Journal of Low Temperature Physics</i> , 1996, 102, 117-132.	0.6	57
67	H-T phase diagrams of the double transition in thoriated UBe_{13} . <i>Physical Review B</i> , 1996, 53, 8549-8552.	1.1	7
68	Observation of low-lying levels in UBe_{13} . <i>Physical Review B</i> , 1995, 51, 16190-16193.	1.1	11
69	Low-temperature specific heat of $\text{U}_{1-x}\text{Th}_x\text{Be}_{13}$. <i>Physical Review B</i> , 1994, 49, 1540-1543.	1.1	18
70	Specific heat of $\text{Ce}_{1-x}\text{M}_x\text{Cu}_6$ ($M=\text{La, Th, Y, and Pr}$). <i>Physical Review B</i> , 1994, 49, 327-331.	1.1	11
71	Pressure tuning of the double transition in thoriated UBe_{13} . <i>Physical Review Letters</i> , 1994, 72, 756-759.	2.9	19
72	Specific heat of speer carbon resistor thermometers at low temperatures and in magnetic fields. <i>Review of Scientific Instruments</i> , 1991, 62, 837-838.	0.6	5

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73	Thermodynamic features in the H-T plane of superconducting UBe ₁₃ . Physical Review B, 1991, 44, 12074-12076.	1.1	24
74	Investigation of the second transition in U _{1-x} Th _x Be ₁₃ . Physical Review B, 1991, 44, 6921-6926.	1.1	30
75	Single-ion effects in the formation of the heavy-fermion ground state in UBe ₁₃ . Physical Review B, 1990, 41, 11073-11081.	1.1	61
76	Neutron irradiation of heavy-fermion superconductors. Physical Review B, 1988, 38, 6402-6406.	1.1	10
77	Lower Critical Field of U _{0.97} Th _{0.03} Be ₁₃ : Evidence for Two Coexisting Superconducting Order Parameters. Europhysics Letters, 1987, 3, 751-756.	0.7	97
78	Computer-controlled, small sample ac calorimetry at low temperatures and in high magnetic fields. Review of Scientific Instruments, 1987, 58, 1743-1745.	0.6	10
79	Optical Reflectance Studies on YBa ₂ Cu ₃ O _{7-x} and Related Compounds. Materials Research Society Symposia Proceedings, 1987, 99, 777.	0.1	2
80	Low temperature and high magnetic field study of UBe ₁₃ , U _{0.97} Th _{0.03} Be ₁₃ and UBe _{12.94} Cu _{0.06} . European Physical Journal B, 1986, 64, 299-304.	0.6	38
81	Heavy-fermion systems. Reviews of Modern Physics, 1984, 56, 755-787.	16.4	2,297
82	High-field specific heats of Al ₁₅ V ₃ Si and Nb ₃ Sn. Physical Review B, 1984, 29, 3908-3912.	1.1	46
83	Possibility of Coexistence of Bulk Superconductivity and Spin Fluctuations in UPt ₃ . Physical Review Letters, 1984, 52, 679-682.	2.9	770
84	Measurement of low-temperature specific heat. Review of Scientific Instruments, 1983, 54, 1-11.	0.6	377
85	Characterization of single crystals of CeCu ₂ Si ₂ . A source of new perspectives. Physical Review B, 1983, 28, 172-177.	1.1	98
86	Low-temperature specific heat of layered compounds. Journal of Low Temperature Physics, 1976, 22, 557-567.	0.6	60
87	Properties of HxTaS ₂ : Correlation between the superconducting T _c and an electronic instability in layer compounds. Journal of Chemical Physics, 1975, 62, 967-972.	1.2	92
88	Properties of intercalated 2H-NbSe ₂ , 4H-TaS ₂ , and 1T-TaS ₂ . Journal of Chemical Physics, 1975, 62, 4411-4419.	1.2	113
89	Automated small sample calorimeter. Review of Scientific Instruments, 1975, 46, 1054-1059.	0.6	62
90	Superconducting, Magnetically Levitated Merry-Go-Round. American Journal of Physics, 1974, 42, 111-125.	0.3	7