

# G R Stewart

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10605239/publications.pdf>

Version: 2024-02-01

162  
papers

11,398  
citations

76294

40  
h-index

28275

105  
g-index

162  
all docs

162  
docs citations

162  
times ranked

5337  
citing authors



#	ARTICLE	IF	CITATIONS
19	<a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> $H_c^2$ Evidence for nodes or deep minima in the superconducting gap of underdoped and overdoped		

#	ARTICLE	IF	CITATIONS
37	Normal and Superconducting State Properties of Doped CePt3Si. 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	Tuning through the quantum critical point in UCu5 $\hat{\sim}$ xNi $\hat{\sim}$ : Rapid variations in the specific heat. Physical Review B, 2006, 73, .	1.1	5
40	Nature of the two quantum critical points in Ce(Ru1 $\hat{\sim}$ xRh $\hat{\sim}$ )2Si2 (x=0.4 and 0.6). Physical Review B, 2006, 74, .	1.1	4
41	Magnetic properties of the two allotropic phases of PuGa3. Physical Review B, 2005, 72, .	1.1	21
42	Spurious second transition in the heavy-fermion superconductor CePt3Si. Physical Review B, 2005, 71, .	1.1	27
43	Magnetic field study of the "hidden transition" in UCd11. Journal of Applied Physics, 2005, 97, 10A912.	1.1	4
44	Disorder, inhomogeneity and spin dynamics in f-electron non-Fermi liquid systems. Journal of Physics Condensed Matter, 2004, 16, S4479-S4498.	0.7	33
45	Disorder effects near a magnetic instability in CePtSi1 $\hat{\sim}$ xGe $\hat{\sim}$ (x=0, 0.1). Physical Review B, 2004, 70, .	1.1	13
46	Structural Tuning of Unconventional Superconductivity in PuMGa5 (M=Co, Rh). Physical Review Letters, 2004, 93, 147005.	2.9	114
47	Field-induced non-Fermi-liquid behavior in Ce2IrIn8. Physical Review B, 2004, 69, .	1.1	13
48	$^{29}\text{Si}$ nuclear spin-lattice relaxation in CePtSi1 $\hat{\sim}$ xGe $\hat{\sim}$ near a magnetic instability. Physical Review B, 2004, 70, .	1.1	1
49	$\text{Gr}^{1/4}$ Neisen Ratio Divergence at the Quantum Critical Point in CeCu6 $\hat{\sim}$ xAg $\hat{\sim}$ . Physical Review Letters, 2004, 93, 096402.	2.9	48
50	Magnetic and electronic properties of the antiferromagnet NpCoGa5. Physical Review B, 2004, 69, .	1.1	95
51	Non-Fermi-liquid behavior in Ce1 $\hat{\sim}$ xTh $\hat{\sim}$ RhSb. Physical Review B, 2003, 67, .	1.1	6
52	Specific heat of URu2Si2 in fields up to 42 T: Clues to the hidden order. Physical Review B, 2003, 67, .	1.1	23
53	Field-induced transition in the specific heat of CeIrIn5 for $B > \sim 30\text{T}$ . Physical Review B, 2002, 65, .	1.1	22
54	Specific heat of Ce1 $\hat{\sim}$ xLa $\hat{\sim}$ RhIn5 in zero and applied magnetic field: A rich phase diagram. Physical Review B, 2002, 66, .	1.1	16

#	ARTICLE	IF	CITATIONS
55	Plutonium-based superconductivity with a transition temperature above 18 K. Nature, 2002, 420, 297-299.	13.7	483
56	Non-Fermi-liquid behavior in d- and f-electron metals. Reviews of Modern Physics, 2001, 73, 797-855.	16.4	1,437
57	Investigation on the Nature of the Concentration-Induced Non-Fermi-Liquid Behavior in YbCu <sub>3.5</sub> Al <sub>1.5</sub> . Journal of Low Temperature Physics, 2001, 123, 25-33.	0.6	6
58	Specific Heat Near H <sub>c2</sub> = 18 T in UPd <sub>2</sub> Al <sub>3</sub> . Journal of Low Temperature Physics, 2001, 124, 527-535.	0.6	5
59	Specific heat in high magnetic fields and non-Fermi-liquid behavior in CeMIn <sub>5</sub> (M=Ir, Co). Physical Review B, 2001, 64, .	1.1	89
60	Order and non-Fermi-liquid behavior in UCu <sub>4</sub> Pd. Physical Review B, 2001, 63, .	1.1	21
61	Magnetism, spin fluctuations, and non-Fermi-liquid behavior in (U <sub>x</sub> La <sub>1-x</sub> ) <sub>2</sub> Zn <sub>17</sub> . Physical Review B, 2001, 64, .	1.1	9
62	Electronic and magnetic properties of the electron-doped superconductor Sm <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4</sub> . Physical Review B, 2001, 63, .	1.1	14
63	Crossover to Fermi-Liquid Behavior at Lowest Temperatures in Pure CeNi <sub>2</sub> Ge <sub>2</sub> . Journal of Low Temperature Physics, 2000, 119, 147-153.	0.6	18
64	Low Temperature Specific Heat of CeRu <sub>2</sub> Si <sub>2</sub> at the Field Induced Metamagnetic Instability. Journal of Low Temperature Physics, 2000, 118, 235-239.	0.6	12
65	UCu <sub>4</sub> Pd: A Disordered Antiferromagnetic Compound. Journal of Low Temperature Physics, 2000, 121, 105-113.	0.6	21
66	Thermal expansion studies of superconducting U <sub>1-x</sub> Th <sub>x</sub> Be <sub>13</sub> (0 < x < 0.052): Implications for the interpretation of the T <sub>c</sub> -x phase diagram. Physical Review B, 2000, 62, 12477-12488.	1.1	21
67	U <sub>2</sub> Co <sub>2</sub> Sn: An undoped non-Fermi-liquid system with Ce <sup>3+</sup> . Physical Review B, 2000, 62, 6986-6990.	1.1	13
68	Scaling of the magnetization in magnetic fields up to 30 T of UCu <sub>5-x</sub> Pdx: Evidence for a crossover from correlated to single-ion magnetic interactions upon cooling. Physical Review B, 1999, 60, 6761-6764.	1.1	1
69	Inducement of non-Fermi-liquid behavior with a magnetic field. Physical Review B, 1998, 57, R4198-R4201.	1.1	77
70	Disappearance of hyperscaling at low temperatures in non-Fermi-liquid CeCu <sub>5.2</sub> Ag <sub>0.8</sub> . Physical Review B, 1998, 58, R15959-R15961.	1.1	32
71	Low-temperature specific heat of UCu <sub>5-x</sub> Pdx: A test for non-Fermi-liquid theory. Physical Review B, 1998, 58, R10104-R10106.	1.1	10
72	Specific heat and heavy-fermionic behavior in Ce <sub>8</sub> Pd <sub>24</sub> M (M=Ga, In, Sn, Sb, Pb, and Bi). Physical Review B, 1998, 57, 15191-15196.	1.1	25

#	ARTICLE	IF	CITATIONS
73	Specific heat study in $U_{1-x}Th_xBe_{13}$ : Enormous $\gamma$ and strong coupling at $x=0.1$ ; Correlation between $\gamma$ and unusual superconductivity. Physical Review B, 1998, 58, 15153-15159.	1.1	14
74	Sample dependence of the spin-glass behavior in $UPt_3$ . Physical Review B, 1997, 56, 430-436.	1.1	5
75	Non-Fermi-liquid behavior and spin fluctuations in doped $UAl_2$ . Physical Review B, 1997, 55, 947-953.	1.1	9
76	Heavy non-Fermi-liquid behavior in nearness to ferromagnetism in $Th_{1-x}U_xCu_2Si_2$ s. Physical Review B, 1997, 55, 6409-6415.	1.1	36
77	Strong coupling effects on the upper critical field of the heavy-fermion superconductor $UBe_{13}$ . Journal of Low Temperature Physics, 1996, 102, 117-132.	0.6	57
78	$U_2Pt_{15}Si_7$ : Competition between magnetism and the formation of a heavy-fermion ground state. Physical Review B, 1996, 53, 6477-6481.	1.1	2
79	$U_xM_{1-x}Pt_3$ (M=Y, Lu, In) compounds with the $AuCu_3$ structure. Physical Review B, 1996, 53, 699-702.	1.1	1
80	Non-Fermi-liquid behavior in the specific heat over two decades of temperature in doped $UPt_3$ . Physical Review B, 1996, 54, 1163-1168.	1.1	6
81	Spin glass behaviour in doped and pure $UPt_3$ : A possible key. Europhysics Letters, 1996, 35, 207-214.	0.7	5
82	Importance of electronic structure of the $f$ ions for the heavy-fermion behavior in $Ce_xM_{1-x}Pb_3$ (M=Y, Th). Physical Review B, 1995, 51, 11469-11472.	1.1	3
83	Ground state in $CeAl_3$ : $ACe_{1-x}La_xAl_3$ study. Physical Review B, 1995, 52, 9462-9465.	1.1	19
84	Inductive measurements and study of the upper critical field in $UBe_{13}$ single crystals as a function of field orientation. Physical Review B, 1995, 52, 10315-10326.	1.1	9
85	Observation of low-lying levels in $UBe_{13}$ . Physical Review B, 1995, 51, 16190-16193.	1.1	11
86	Specific-Heat Measurements on $UBe_{13}$ under Uniaxial Pressure. Europhysics Letters, 1994, 25, 619-624.	0.7	9
87	Scaling in the magnetoresistance of single-crystalline $UBe_{13}$ . Physical Review B, 1994, 49, 12359-12361.	1.1	27
88	Low-temperature specific heat of $U_{1-x}Th_xBe_{13}$ . Physical Review B, 1994, 49, 1540-1543.	1.1	18
89	Important role of coherence for the heavy-fermion state in $CeCu_2Si_2$ . Physical Review B, 1994, 49, 10051-10053.	1.1	5
90	Influence of hybridization and actinide spacing in $U_2Pt_x(Os, Ir)_{1-x}C_2$ systems. Physical Review B, 1994, 49, 1188-1191.	1.1	6

#	ARTICLE	IF	CITATIONS
91	Transition from superconductivity to heavy-fermion behavior in U-doped $\text{Lu}_2\text{Fe}_3\text{Si}_5$ . <i>Physical Review B</i> , 1994, 50, 16522-16527.	1.1	4
92	Specific heat of $\text{Ce}_{1-x}\text{MxCu}_6$ (M=La, Th, Y, and Pr). <i>Physical Review B</i> , 1994, 49, 327-331.	1.1	11
93	Heavy fermions: Typical phenomena and recent developments. <i>Journal of Low Temperature Physics</i> , 1994, 95, 3-22.	0.6	68
94	Heavy-non-Fermi-liquid behavior in $\text{U}(\text{Cu},\text{Pd})_5$ . <i>Physical Review B</i> , 1993, 47, 3208-3212.	1.1	172
95	Specific heat of $\text{CePtSi}$ in a high magnetic field. <i>Physical Review B</i> , 1993, 48, 13985-13986.	1.1	5
96	Observation of a high-field anomaly in the low-temperature specific heat of $\text{CeCu}_2\text{Si}_2$ . <i>Physical Review B</i> , 1993, 48, 3939-3942.	1.1	12
97	$\text{Pt}_{195}$ spin dynamics and Knight shift in single crystals of $\text{UPt}_3$ . <i>Physical Review B</i> , 1993, 48, 7392-7398.	1.1	32
98	Magnetism and its connection to non-Fermi-liquid-like behavior. <i>Physical Review B</i> , 1993, 47, 12403-12407.	1.1	17
99	Spin fluctuation and single-ion effects in dilute $\text{UPt}_3$ . <i>Physical Review B</i> , 1993, 47, 3204-3207.	1.1	11
100	Magnetic measurements of $\text{CeAl}_3$ to below 1 mK. <i>Physical Review B</i> , 1992, 45, 5695-5698.	1.1	11
101	Magnetic-field investigation of the 1-K transition in $\text{UCu}_5$ . <i>Physical Review B</i> , 1992, 45, 7481-7483.	1.1	12
102	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
103	Low-temperature anomalies in the high-field specific heat of $\text{UCd}_{11}$ . <i>Physical Review B</i> , 1991, 44, 10346-10349.	1.1	9
104	Thermodynamic features in the H-T plane of superconducting $\text{UBe}_{13}$ . <i>Physical Review B</i> , 1991, 44, 12074-12076.	1.1	24
105	Resistivity and magnetoresistance of $(\text{U}_{1-x}\text{Mx})\text{Be}_{13}$ (M=La, Th, Y, Sc, Hf). <i>Physical Review B</i> , 1991, 44, 5040-5045.	1.1	7
106	$\text{CeCu}_4\text{Al}$ and $\text{CeCu}_2\text{Zn}_2\text{Al}$ : Very-heavy-fermion systems in high magnetic fields. <i>Physical Review B</i> , 1991, 44, 4371-4373.	1.1	21
107	Thermodynamic and transport properties of $(\text{Ce}_x\text{Gd}_{1-x})\text{Cu}_6$ for $0 \leq x \leq 1$ . <i>Physical Review B</i> , 1991, 43, 8264-8271.	1.1	17
108	$\text{CeCu}_2\text{Si}_2$ : More nearly magnetic than $\text{UBe}_{13}$ . <i>Physical Review B</i> , 1991, 43, 2656-2660.	1.1	18

#	ARTICLE	IF	CITATIONS
109	Investigation of the second transition in $U_{1-x}Th_xBe_{13}$ . <i>Physical Review B</i> , 1991, 44, 6921-6926.	1.1	30
110	Effects of alloying on the heavy fermion compound $CeCu_6$ : substitution of Al. <i>Journal of Physics Condensed Matter</i> , 1990, 2, 4773-4777.	0.7	8
111	Single-ion effects in the formation of the heavy-fermion ground state in $UBe_{13}$ . <i>Physical Review B</i> , 1990, 41, 11073-11081.	1.1	61
112	Coexistent superconductivity and magnetism in Th-doped $CeCu_2Si_2$ . <i>Physical Review B</i> , 1990, 42, 8630-8633.	1.1	17
113	Elucidation of the specific-heat anomaly below $T_N$ in $NpIr_2$ . <i>Physical Review B</i> , 1990, 41, 9336-9339.	1.1	3
114	Evidence for bulk oxygen in $La_2CuO_{4+\delta}$ : Specific-heat studies. <i>Physical Review B</i> , 1990, 42, 10016-10019.	1.1	9
115	Specific heat in a magnetic field: A probe of the magnetic ground-state properties of heavy-fermion $Ce(Ru_{2-x}Rh_x)Si_2\gamma$ . <i>Physical Review B</i> , 1990, 41, 541-546.	1.1	24
116	Specific heat in high magnetic field of $[\text{bis}(\text{ethylenedithio})\text{tetrathiafulvalene}]$ -di(thiocyano)cuprate $[(\text{ET})_2\text{Cu}(\text{NCS})_2]$ : Evidence for strong-coupling superconductivity. <i>Physical Review B</i> , 1989, 40, 11345-11347.	1.1	77
117	High-field specific heat of $CeCu_2Si_2$ and $CeAl_3$ . <i>Physical Review B</i> , 1989, 39, 6420-6424.	1.1	37
118	Magnetic behavior of $Ce(Cu_{1-x}Ag_x)_6$ . <i>Physical Review B</i> , 1989, 40, 4735-4739.	1.1	37
119	Suppression of heavy fermions by high fields in $CeCu_6$ . <i>Physical Review B</i> , 1988, 37, 3344-3348.	1.1	39
120	Neutron irradiation of heavy-fermion superconductors. <i>Physical Review B</i> , 1988, 38, 6402-6406.	1.1	10
121	$UPt_5\gamma$ - $Aux$ : A heavy-fermion system with a selectable $m/\mu_B$ . <i>Physical Review B</i> , 1988, 38, 6432-6435.	1.1	15
122	Current Understanding of Heavy Fermions; Phenomenology. <i>Physica Scripta</i> , 1988, T23, 119-121.	1.2	3
123	Cooperative Phenomena in the Heavy Fermion Systems $UBe_{13}$ and $U_{1-x}Th_xBe_{13}$ . , 1987, , 17-28.		0
124	Lower Critical Field of $U_{0.97}Th_{0.03}Be_{13}$ : Evidence for Two Coexisting Superconducting Order Parameters. <i>Europhysics Letters</i> , 1987, 3, 751-756.	0.7	97
125	Phenomenology of Heavy Fermion Systems. <i>Physica Scripta</i> , 1987, T19A, 253-259.	1.2	9
126	Computer-controlled, small sample ac calorimetry at low temperatures and in high magnetic fields. <i>Review of Scientific Instruments</i> , 1987, 58, 1743-1745.	0.6	10



#	ARTICLE	IF	CITATIONS
127	Low-Temperature Specific Heat of UBe13. , 1987, , 345-348.		10
128	Low temperature and high magnetic field study of UBe13, U0.97Th0.03Be13 and UBe12.94Cu0.06. European Physical Journal B, 1986, 64, 299-304.	0.6	38
129	Bulk superconducting specific-heat anomaly in $\hat{1}^2$ -di[bis(ethylenedithio) tetrathiafulvalene] diiodoaurate [ $\hat{1}^2$ -(ET) <sub>2</sub> AuI <sub>2</sub> ]. Physical Review B, 1986, 34, 6509-6510.	1.1	13
130	Pressure Dependence of Spin-Fluctuation Effects in the Specific Heat of the Heavy-Fermion Superconductor UPt3. Physical Review Letters, 1986, 57, 234-237.	2.9	80
131	Specific heat of the ambient-pressure organic superconductor $\hat{1}^2$ -di[bis(ethylenedithio)tetrathiafulvalene] triiodide [ $\hat{1}^2$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> ]. Physical Review B, 1986, 33, 2046-2048.	1.1	45
132	Strain-dependent magnetic anomalies in doped UPt3. Physical Review B, 1986, 34, 4629-4633.	1.1	52
133	Suppression of spin fluctuations by alloying in UPt3. Journal of Low Temperature Physics, 1985, 59, 185-190.	0.6	23
134	Specific heat and critical field for some iron-containing superconductors. Journal of Low Temperature Physics, 1985, 59, 237-245.	0.6	18
135	Observation of Magnetic-Field-Induced Superconductivity in a Heavy-Fermion Antiferromagnet: CePb3. Physical Review Letters, 1985, 54, 2541-2544.	2.9	109
136	Spin fluctuations and superconductivity in UPt3(invited). Journal of Applied Physics, 1985, 57, 3049-3053.	1.1	17
137	New spin-fluctuation system:U0.5Th0.5Al3. Physical Review B, 1985, 32, 3010-3013.	1.1	8
138	New Ce Heavy-Fermion System:CeCu6. Physical Review B, 1984, 30, 482-484.	1.1	192
139	Upper critical magnetic field of the heavy-fermion superconductor UPt3. Physical Review B, 1984, 30, 1583-1585.	1.1	121
140	New heavy-fermion system, NpBe13, with a comparison to UBe13 and PuBe13. Physical Review B, 1984, 30, 1249-1252.	1.1	68
141	U2PtC2 and Systematics of Heavy Fermions. Physical Review Letters, 1984, 53, 1829-1832.	2.9	100
142	Some observations on heavy fermion superconductivity in UBe13. Journal of Low Temperature Physics, 1984, 56, 379-381.	0.6	6
143	Phonon anomalies in ZrRu?. Journal of Low Temperature Physics, 1984, 55, 11-15.	0.6	18
144	Heavy-fermion systems. Reviews of Modern Physics, 1984, 56, 755-787.	16.4	2,297

#	ARTICLE	IF	CITATIONS
145	High-field specific heats of $\text{Al}_5\text{V}_3\text{Si}$ and $\text{Nb}_3\text{Sn}$ . <i>Physical Review B</i> , 1984, 29, 3908-3912.	1.1	46
146	Possibility of Coexistence of Bulk Superconductivity and Spin Fluctuations in $\text{UPt}_3$ . <i>Physical Review Letters</i> , 1984, 52, 679-682.	2.9	770
147	Low-temperature properties of the heavy-fermion system $\text{UCd}_{11}$ . <i>Physical Review B</i> , 1984, 30, 6360-6362.	1.1	100
148	Measurement of low-temperature specific heat. <i>Review of Scientific Instruments</i> , 1983, 54, 1-11.	0.6	377
149	High-field specific heat of the spin-fluctuation system $\text{UAl}_2$ . <i>Physical Review B</i> , 1983, 28, 1524-1528.	1.1	61
150	Characterization of single crystals of $\text{CeCu}_2\text{Si}_2$ . A source of new perspectives. <i>Physical Review B</i> , 1983, 28, 172-177.	1.1	98
151	Specific-heat measurements of Pd in magnetic fields to 20 T. <i>Physical Review B</i> , 1983, 28, 2266-2267.	1.1	14
152	Specific heat, magnetic susceptibility, and resistivity of an $\text{U}_{0.85}\text{La}_{0.15}\text{Al}_2$ alloy. <i>Physical Review B</i> , 1983, 27, 6518-6521.	1.1	28
153	Specific heat of well-characterized $\text{TiBe}_2$ at 0 and 7 T. <i>Physical Review B</i> , 1982, 25, 5907-5917.	1.1	70
154	Specific heat of $\text{V}_3\text{GaH}_x$ . <i>Physical Review B</i> , 1981, 24, 5058-5062.	1.1	14
155	Specific-heat studies of neutron-irradiated $\text{Al}_5\text{Nb}_3\text{Al}$ . <i>Physical Review B</i> , 1981, 24, 3794-3799.	1.1	27
156	Specific heat of $\text{Al}_5\text{Nb}_3\text{Sn}$ in fields to 18 tesla. <i>Physical Review B</i> , 1981, 24, 3841-3846.	1.1	44
157	Properties of high- $T_c$ , $\text{Al}_5\text{Nb}_3\text{Si}$ : An extrapolation. <i>Physical Review B</i> , 1979, 20, 3647-3652.	1.1	18
158	Superconducting critical field and low temperature heat capacity of americium. <i>Journal De Physique Colloque</i> , 1979, 40, C4-138-C4-139.	0.2	11
159	Specific heat of $\text{Al}_5$ and $\text{bccMo}_{0.4}\text{Tc}_{0.6}$ . <i>Physical Review B</i> , 1978, 17, 3534-3540.	1.1	35
160	Low-temperature specific heat of layered compounds. <i>Journal of Low Temperature Physics</i> , 1976, 22, 557-567.	0.6	60
161	Properties of intercalated $2\text{HfNbSe}_2$ , $4\text{HfTa}_2\text{S}_2$ , and $1\text{Ta}_2\text{S}_2$ . <i>Journal of Chemical Physics</i> , 1975, 62, 4411-4419.	1.2	113
162	Automated small sample calorimeter. <i>Review of Scientific Instruments</i> , 1975, 46, 1054-1059.	0.6	62