

Jacques Flouquet

List of Publications by Year in descending order

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45
papers

3,227
citations

218677

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243625

44
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all docs

45
docs citations

45
times ranked

1852
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexistence of superconductivity and ferromagnetism in URhGe. <i>Nature</i> , 2001, 413, 613-616.	27.8	884
2	On the thermoelectricity of correlated electrons in the zero-temperature limit. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 5187-5198.	1.8	260
3	Unconventional Superconductivity in Heavy Fermion UTe ₂ . <i>Journal of the Physical Society of Japan</i> , 2019, 88, 043702.	1.6	173
4	Review of U-based Ferromagnetic Superconductors: Comparison between UGe ₂ , URhGe, and UCoGe. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 022001.	1.6	160
5	Ferromagnetism and Superconductivity in Uranium Compounds. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 011003.	1.6	155
6	Extremely Large and Anisotropic Upper Critical Field and the Ferromagnetic Instability in UCoGe. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 113709.	1.6	136
7	Field-Reentrant Superconductivity Close to a Metamagnetic Transition in the Heavy-Fermion Superconductor UTe ₂ . <i>Journal of the Physical Society of Japan</i> , 2019, 88, 063707.	1.6	111
8	The Quantum Critical Point in CeRhIn ₅ : A Resistivity Study. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 114704.	1.6	104
9	Application of the SCR Spin Fluctuation Theory for the Magnetic Instability in Heavy Fermion System Ce _{1-x} La _x Ru ₂ Si ₂ . <i>Journal of the Physical Society of Japan</i> , 1996, 65, 3294-3300.	1.6	90
10	Ferromagnetic Quantum Critical Endpoint in UCoAl. <i>Journal of the Physical Society of Japan</i> , 2011, 80, 094711.	1.6	89
11	Metamagnetic Transition in Heavy Fermion Superconductor UTe ₂ . <i>Journal of the Physical Society of Japan</i> , 2019, 88, 063706.	1.6	80
12	Evolution toward Quantum Critical End Point in UGe ₂ . <i>Journal of the Physical Society of Japan</i> , 2011, 80, 083703.	1.6	73
13	Realignment of the flux-line lattice by a change in the symmetry of superconductivity in UPt ₃ . <i>Nature</i> , 2000, 406, 160-164.	27.8	71
14	Multiple Superconducting Phases and Unusual Enhancement of the Upper Critical Field in UTe ₂ . <i>Journal of the Physical Society of Japan</i> , 2020, 89, 053705.	1.6	70
15	Field Re-entrant Superconductivity Induced by the Enhancement of Effective Mass in URhGe. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 094709.	1.6	64
16	Magnetic-Field Control of Quantum Critical Points of Valence Transition. <i>Physical Review Letters</i> , 2008, 100, 236401.	7.8	62
17	Unconventional superconductivity in UTe ₂ . <i>Journal of Physics Condensed Matter</i> , 2022, 34, 243002.	1.8	61
18	Valence Fluctuations Revealed by Magnetic Field and Pressure Scans: Comparison with Experiments in YbXCu ₄ (X=In, Ag, Cd) and CeYIn ₅ (Y=Ir, Rh). <i>Journal of the Physical Society of Japan</i> , 2009, 78, 104706.	1.6	48

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19	Details of Sample Dependence and Transport Properties of URu ₂ Si ₂ . Journal of the Physical Society of Japan, 2011, 80, 114710.	1.6	46
20	Magnetic-Field-Induced Phenomena in the Paramagnetic Superconductor UTe ₂ . Journal of the Physical Society of Japan, 2019, 88, 063705.	1.6	46
21	Superconductivity Reinforced by Magnetic Field and the Magnetic Instability in Uranium Ferromagnets. Journal of the Physical Society of Japan, 2011, 80, SA008.	1.6	40
22	Pressure Evolution of the Ferromagnetic and Field Re-entrant Superconductivity in URhGe. Journal of the Physical Society of Japan, 2009, 78, 063703.	1.6	36
23	Thermodynamic Investigation of Metamagnetism in Pulsed High Magnetic Fields on Heavy Fermion Superconductor UTe ₂ . Journal of the Physical Society of Japan, 2019, 88, 083705.	1.6	35
24	Anisotropy of the Upper Critical Field in the Heavy-Fermion Superconductor UTe ₂ under Pressure. Journal of the Physical Society of Japan, 2020, 89, 053707.	1.6	32
25	First Observation of the de Haas-van Alphen Effect and Fermi Surfaces in the Unconventional Superconductor UTe ₂ . Journal of the Physical Society of Japan, 2022, 91, .	1.6	29
26	The co-existence of superconductivity and ferromagnetism in actinide compounds. Journal of Physics Condensed Matter, 2003, 15, S1945-S1955.	1.8	28
27	Lifshitz Transitions in the Ferromagnetic Superconductor UCoGe. Physical Review Letters, 2016, 117, 206401.	7.8	26
28	Dimensionality Driven Enhancement of Ferromagnetic Superconductivity in URhGe. Physical Review Letters, 2018, 120, 037001.	7.8	26
29	Evolution of the Spin Resonance in CeCoIn ₅ under Magnetic Field. Journal of the Physical Society of Japan, 2009, 78, 113706.	1.6	25
30	Competition and/or coexistence of antiferromagnetism and superconductivity in CeRhIn ₅ and CeCoIn ₅ . Physica Status Solidi (B): Basic Research, 2010, 247, 557-562.	1.5	24
31	On the local and itinerant properties of the ESR in YbRh ₂ Si ₂ . Science and Technology of Advanced Materials, 2007, 8, 389-392.	6.1	21
32	Heavy fermion superconductivity. Physica B: Condensed Matter, 2000, 280, 165-171.	2.7	20
33	Magnetic Properties and Neutron Diffraction Measurements of Dense-Kondo Compound CeNi ₂ Al ₅ . Journal of the Physical Society of Japan, 1994, 63, 2349-2358.	1.6	19
34	Field-Induced Superconductivity near the Superconducting Critical Pressure in UTe ₂ . Journal of the Physical Society of Japan, 2021, 90, 074705.	1.6	18
35	Enhancement and Discontinuity of Effective Mass through the First-Order Metamagnetic Transition in UTe ₂ . Journal of the Physical Society of Japan, 2021, 90, 103702.	1.6	15
36	Ferromagnetic Quantum Criticality Studied by Hall Effect Measurements in UCoAl. Journal of the Physical Society of Japan, 2013, 82, 104705.	1.6	12

#	ARTICLE	IF	CITATIONS
37	Electronic Nematicity in URu_2Si_2 Revisited. Physical Review Letters, 2020, 124, 257601.	7.8	10
38	Magnetovolume Effect on the First-Order Metamagnetic Transition in UTe_2 . Journal of the Physical Society of Japan, 2022, 91, .	1.6	10
39	Understanding of the Temperature-Pressure Phase Diagram of \hat{I}^2 -Pyrochlore Oxides: A Role of Anharmonicity on Superconductivity. Journal of the Physical Society of Japan, 2013, 82, 114708.	1.6	6
40	Magnetic phase diagram of $UCoAl$. Journal of the Korean Physical Society, 2013, 63, 575-578.	0.7	5
41	Quantum criticality of $Ce_{1-x}La_xRu_2Si_2$: The magnetically ordered phase. Physica Status Solidi (B): Basic Research, 2010, 247, 700-702.	1.5	3
42	Longitudinal detection of pulsed low-frequency, low-temperature nuclear magnetic resonance using a dc SQUID. Review of Scientific Instruments, 1998, 69, 1456-1462.	1.3	2
43	Magnetic and volume properties in $CeRu_2Si_2$ with low Ge doping. European Physical Journal D, 1996, 46, 2073-2074.	0.4	1
44	Magnetic-field induced quantum critical points of valence transition in Ce- and Yb-based heavy fermions. Physica B: Condensed Matter, 2009, 404, 2942-2945.	2.7	1
45	Pressure evolution of the metamagnetic transition in $UCoAl$ As measured using ^{59}Co NMR. Journal of the Korean Physical Society, 2013, 63, 341-344.	0.7	0