

Hidden order and beyond: an experimentalâ€™theoretic  
behavior of URu<sub>2</sub>Si<sub>2</sub>

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Strong magnetic anisotropy and unusual magnetic field reinforced phase in URhSn with a quasi-lagome structure. Physical Review B, 2020, 102, .	3.2	6
2	Specific heat of $\text{CeRhIn}_5$ in high magnetic fields: Magnetic phase diagram revisited. Physical Review B, 2021, 103, .	3.2	3
3	Unusual Nonmagnetic Ordered State in CeCoSi Revealed by $^{59}\text{Co}$ -NMR and NQR Measurements. Journal of the Physical Society of Japan, 2021, 90, 023702.	1.6	12
4	Chiral singlet superconductivity in the weakly correlated metal LaPt <sub>3</sub> P. Nature Communications, 2021, 12, 2504.	12.8	21
5	1D charge density wave in the hidden order state of URu <sub>2</sub> Si <sub>2</sub> . Communications Physics, 2021, 4, .	5.3	1
6	Electronic structure of URu <sub>2</sub> Si <sub>2</sub> in paramagnetic phase: three-dimensional angle resolved photoelectron spectroscopy study. Electronic Structure, 2021, 3, 024008.	2.8	3
7	Collinear antiferromagnetic order in URu <sub>2</sub> Si <sub>2</sub> revealed by neutron diffraction. Physical Review B, 2021, 103, .	3.2	1
8	Hidden Charge Order in an Iron Oxide Square-Lattice Compound. Physical Review Letters, 2021, 127, 097203.	7.8	6
9	From antiferromagnetic and hidden order to Pauli paramagnetism in U <sub>2</sub> Si <sub>2</sub> compounds with 5 <i>f</i> electron duality. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30220-30227.	7.1	25
10	Enhancement of the spin-orbit coupling by strong electronic correlations in transition metal and light actinide compounds. Journal of Physics Condensed Matter, 2020, 32, 445601.	1.8	4
11	Influence of hydrostatic pressure on hidden order, the Kondo lattice, and magnetism in URu <sub>2</sub> Si <sub>2</sub> . Physical Review B, 2020, 102, .	3.2	2
12	Analysis of Magnetoacoustic Quadrupole Resonance and Application to Probe Quadrupole Degrees of Freedom in Quantum Magnets. Journal of the Physical Society of Japan, 2020, 89, 084702.	1.6	3
13	Untangling the structural, magnetic dipole, and charge multipolar orders in $\text{Ba}_2\text{MgReO}_6$ . Physical Review Materials, 2021, 5, .	2.4	6
14	X-ray synchrotron radiation studies of actinide materials. Journal of Synchrotron Radiation, 2021, 28, 1692-1708.	2.4	5
15	Topological Magnets: Functions Based on Berry Phase and Multipoles. Annual Review of Condensed Matter Physics, 2022, 13, 119-142.	14.5	31
16	Band-selective gap opening by a C <sub>4</sub> -symmetric order in a proximity-coupled heterostructure Sr <sub>2</sub> VO <sub>3</sub> FeAs. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2105190118.	7.1	1
17	Evolution of non-Kramers doublets in magnetic field in $\text{PrNi}_2$ and $\text{PrPd}_2$ . Physical Review B, 2021, 104, .	3.2	3
18	Global perspectives of the bulk electronic structure of URu <sub>2</sub> Si <sub>2</sub> from angle-resolved photoemission. Electronic Structure, 2022, 4, 013001.	2.8	4

#	ARTICLE	IF	CITATIONS
19	Heat capacity of URu <sub>2</sub> Si <sub>2</sub> at low temperatures. Physical Review B, 2022, 105, .	3.2	1
20	Multipolar exchange interaction and complex order in insulating lanthanides. Physical Review B, 2022, 105, .	3.2	3
21	Zero-temperature transition between antiferromagnetic and ferromagnetic states driven by varying chemical composition in hydrogenated URu <sub>2</sub> Si <sub>2</sub> . Physical Review B, 2022, 105, .	3.2	2
22	NdAlSi: A magnetic Weyl semimetal candidate with rich magnetic phases and atypical transport properties. Physical Review B, 2022, 105, .	3.2	17
23	Imaging mesoscopic antiferromagnetic spin textures in the dilute limit from single-geometry resonant coherent x-ray diffraction. Science Advances, 2022, 8, .	10.3	0
24	Electronic landscape of the f-electron intermetallics with the ThCr <sub>2</sub> Si <sub>2</sub> structure. Science Advances, 2022, 8, .	10.3	12
25	Magnetic Field-Temperature Phase Diagram of CeCoSi Constructed on the Basis of Specific Heat, Magnetoresistivity, and Magnetization Measurements: Single Crystal Study. Journal of the Physical Society of Japan, 2022, 91, .	1.6	5
26	Crystal Lattice Witness vs Actor Roles in Correlated Electronic Materials. Journal of the Physical Society of Japan, 2022, 91, .	1.6	0
27	Anisotropy of the T vs. H phase diagram and the HO/LMAFM phase boundary in URu <sub>2</sub> FeSi <sub>2</sub> . Frontiers in Electronic Materials, 0, 2, .	3.1	0
28	In-Plane Anisotropic Response to Uniaxial Pressure in the Hidden Order State of URu <sub>2</sub> Si <sub>2</sub> . Chinese Physics Letters, 2022, 39, 107101.	3.3	2
29	Advances in actinide thin films: synthesis, properties, and future directions. Reports on Progress in Physics, 2022, 85, 123101.	20.1	4
30	Kondo quasiparticle dynamics observed by resonant inelastic x-ray scattering. Nature Communications, 2022, 13, .	12.8	6
31	Direct observation of the hybridization gap in both the hidden order and large moment antiferromagnetic phases in URu <sub>2</sub> Si <sub>2</sub> . Physical Review B, 2022, 106, .	3.2	2
32	Symmetry aspects of chiral superconductors. Contemporary Physics, 2022, 63, 71-86.	1.8	0
33	Hydrogen in actinides: electronic and lattice properties. Reports on Progress in Physics, 2023, 86, 056501.	20.1	4
34	Ising-type quasi-one-dimensional ferromagnetism with anisotropic hybridization in UNi <sub>4</sub> P <sub>2</sub> . Physical Review B, 2023, 107, .	3.2	0
35	Synchrotron radiation techniques and their application to actinide materials. Reviews of Modern Physics, 2023, 95, .	45.6	7
36	Quantization observed for heavy electrons. Nature, 0, , .	27.8	0

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37	Investigating the electronic states of UTe <sub>2</sub> using X-ray spectroscopy. Communications Physics, 2023, 6, .	5.3	1
38	Elastic Properties and Crystalline-Electric-Field Effects of U <sub>1-x</sub> Si <sub>x</sub> , 2023, .		1
39	Three-dimensional charge density wave in the dual heavy fermion system $U_{1-x}Pt_xSi_2$ . Physical Review B, 2023, 107, .	3.2	3
40	Metamagnetic transition in single-crystalline U <sub>1-x</sub> Si <sub>x</sub> . Scientific Reports, 2023, 13, .	3.3	0
41	Fe substitution in URu <sub>2</sub> Si <sub>2</sub> : Singlet magnetism in an extended Doniach phase diagram. Physical Review B, 2023, 108, .		
42	<i>Colloquium</i> : Unconventional fully gapped superconductivity in the heavy-fermion metal $CeCu$ . Reviews of Modern Physics, 2023, 95, .	45.6	1
43	Chiral Charge as Hidden Order Parameter in URu <sub>2</sub> Si <sub>2</sub> . Journal of the Physical Society of Japan, 2023, 92, .	1.6	1
44	Unveiling multipole physics and frustration of icosahedral magnetic quasicrystals. Npj Quantum Materials, 2024, 9, .	5.2	0
45	Phonon induced rank-2 U(1) nematic liquid states. Physical Review B, 2024, 109, .	3.2	0
46	Nature of the Unconventional Heavy-Fermion Kondo State in Monolayer CeSi. Nano Letters, 2024, 24, 4272-4278.	9.1	0
47	$5f$ -electron localization in uranium binary hydrides: Photoelectron spectroscopy. Physical Review B, 2024, 109, .	3.2	0
48	Polarized Neutron Diffraction Study on UPt <sub>2</sub> Si <sub>2</sub> . Journal of the Physical Society of Japan, 2024, 93, .	1.6	0