

Peter S Riseborough

List of Publications by Year in descending order

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papers

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citations

1039406

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h-index

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27
all docs

27
docs citations

27
times ranked

692
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of topological nodal-line fermionic phase in a magnetic material GdSbTe. Scientific Reports, 2018, 8, 13283.	1.6	70
2	Phase transition arising from the underscreened Anderson lattice model: A candidate concept for explaining hidden order in URu ₂ Si ₂ . Physical Review B, 2012, 85, 040407.	1.1	54
3	Anomalous femtosecond quasiparticle dynamics of hidden order state in URu ₂ Si ₂ . Physical Review B, 2011, 84, 040407.	1.1	40
4	Electrical Control of Structural and Physical Properties via Strong Spin-Orbit Interactions in URu ₂ Si ₂ . Physical Review Letters, 2018, 120, 017201.	2.9	30
5	Fermi surface topology and hot spot distribution in the Kondo lattice system CeB ₆ . Physical Review B, 2015, 92, 040407.	1.1	29
6	Phase diagram and thermal expansion measurements on the system URu ₂ Si ₂ . Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13348-13353.	3.3	23
7	Observation of two spin gap energies in the filled skutterudite compound CeOs ₄ Sb ₁₂ . Physical Review B, 2007, 75, .	1.1	21
8	Spin gap in URu ₂ Si ₂ . Physical Review B, 2007, 76, .	1.1	14
9	Quasiparticle dynamics across the full Brillouin zone of Bi ₂ Sr ₂ CaCu ₂ O ₈ +f traced with ultrafast time and angle-resolved photoemission spectroscopy. Structural Dynamics, 2015, 2, 054501.	0.9	9
10	Isoelectronic perturbations to f-d-electron hybridization and the enhancement of hidden order in URu ₂ Si ₂ . Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	8
11	The Korteweg-de Vries equation: its place in the development of nonlinear physics. Philosophical Magazine, 2011, 91, 997-1006.	0.7	4
12	Unusual magnetic field-dependence of a possible hidden order phase. Npj Quantum Materials, 2017, 2, .	1.8	4
13	Enhanced spin-orbit coupling in the underscreened Anderson lattice model for itinerant 5f metals. Electronic Structure, 2021, 3, 024009.	1.0	4
14	The underscreened anderson lattice: A model for uranium compounds. Journal of the Korean Physical Society, 2013, 62, 1431-1433.	0.3	3
15	Signatures of broken spin-rotational invariance in the Hidden Ordered compound URu ₂ Si ₂ ?. Philosophical Magazine, 2014, 94, 3820-3837.	0.7	2
16	Influence of hydrostatic pressure on hidden order, the Kondo lattice, and magnetism in URu ₂ Si ₂ xPx. Physical Review B, 2020, 102, .	1.1	2
17	QUANTIZED INTRINSICALLY LOCALIZED MODES: LOCALIZATION THROUGH INTERACTION. International Journal of Modern Physics Conference Series, 2012, 11, 12-21.	0.7	1
18	Unusual Magnetic Field-Dependence of the Electronic Dispersion Relations in a Hidden Ordered Phase.. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	Quantized intrinsically localized modes of a 3D lattice. Philosophical Magazine Letters, 2014, 94, 424-432.	0.5	1
20	A minimal model for "Hidden Order" in URu ₂ Si ₂ . Philosophical Magazine, 2015, 95, 516-524.	0.7	1
21	Nonlinear Rashba effect in a strongly correlated system. Europhysics Letters, 0, , .	0.7	1
22	On the role of electronic polarization in continuous structural transitions. Physica Status Solidi (B): Basic Research, 2010, 247, 580-582.	0.7	0
23	The High-Temperature Phonon Anomalies of $\hat{\text{U}}_{\pm}$ -uranium.. Materials Research Society Symposia Proceedings, 2012, 1444, 131.	0.1	0
24	The Nematic Character of a Hidden Ordered State revealed by Magnetic Fields.. Materials Research Society Symposia Proceedings, 2014, 1683, 14.	0.1	0
25	Multicritical points in a model for 5f-electron systems under pressure and magnetic field. Journal of Physics Condensed Matter, 2021, 33, 295801.	0.7	0
26	QUANTIZED INTRINSICALLY LOCALIZED MODES: LOCALIZATION THROUGH INTERACTION. , 2012, , .		0
27	Competing antiferromagnetic phases of the under-screened Anderson lattice model (INVITED). Progress in Nuclear Science and Technology, 2018, 5, 86-89.	0.3	0