

Marc Janoschek

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

1,921
citations

257357

24
h-index

276775

41
g-index

80
all docs

80
docs citations

80
times ranked

2657
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological magnon band structure of emergent Landau levels in a skyrmion lattice. <i>Science</i> , 2022, 375, 1025-1030.	6.0	18
2	Uniaxial pressure induced stripe order rotation in La _{1.88} Sr _{0.12} CuO ₄ . <i>Nature Communications</i> , 2022, 13, 1795.	5.8	12
3	Coexisting Kondo hybridization and itinerant f -electron ferromagnetism in UGe_2 . <i>Physical Review Research</i> , 2022, 4, .	1.3	3
4	Unveiling Unequivocal Charge Stripe Order in a Prototypical Cuprate Superconductor. <i>Physical Review Letters</i> , 2022, 128, .	2.9	11
5	Collinear antiferromagnetic order in URu ₂ Si ₂ revealed by neutron diffraction. <i>Physical Review B</i> , 2021, 103, .	1.1	1
6	Large tunable anomalous Hall effect in the kagome antiferromagnet URu_4 . <i>Physical Review B</i> , 2020, 102, .	1.1	8
7	Skyrmion lattice creep at ultra-low current densities. <i>Communications Materials</i> , 2020, 1, .	2.9	11
8	Colossal magnetoresistance in a nonsymmorphic antiferromagnetic insulator. <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	38
9	Topological energy barrier for skyrmion lattice formation in MnSi. <i>Physical Review B</i> , 2020, 102, .	1.1	4
10	Nematic State in $CeAuSb_2$. <i>Physical Review X</i> , 2020, 10, .	2.1	19
11	Ultrahigh-resolution neutron spectroscopy of low-energy spin dynamics in UGe_2 . <i>Physical Review B</i> , 2019, 99, .	1.1	1
12	A magnetic field boost for superconductors. <i>Nature Physics</i> , 2019, 15, 1211-1212.	6.5	2
13	Search for multipolar instability in URu_2 studied by ultrasonic measurements under pulsed magnetic field. <i>Physical Review B</i> , 2018, 97, .	1.2	1
14	Tunable emergent heterostructures in a prototypical correlated metal. <i>Nature Physics</i> , 2018, 14, 456-460.	6.5	15
15	Anisotropic magnetocrystalline coupling of the skyrmion lattice in MnSi. <i>Physical Review B</i> , 2018, 97, .	1.1	16
16	The multi-purpose three-axis spectrometer (TAS) MIRA at FRM II. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 881, 60-64.	0.7	30
17	Tuning the magnetic ground state of $CeAu$ by Yb valence fluctuations. <i>Physical Review B</i> , 2018, 98, .	1.1	1
18	Relevance of Kondo physics for the temperature dependence of the bulk modulus in plutonium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E268.	3.3	9

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19	Oxygen Vacancy-Tuned Physical Properties in Perovskite Thin Films with Multiple B-site Valance States. Scientific Reports, 2017, 7, 46184.	1.6	49
20	Low temperature magnetic structure of CeRhIn_5 by neutron diffraction on absorption-optimized samples. Journal of Physics Condensed Matter, 2017, 29, 17LT01.	0.7	15
21	Realization of the axial next-nearest-neighbor Ising model in $\text{U}_3\text{Al}_2\text{Ge}_3$. Physical Review B, 2017, 96, .	1.1	1
22	Versatile strain-tuning of modulated long-period magnetic structures. Applied Physics Letters, 2017, 110, 192409.	1.5	17
23	Emergence of higher order rotational symmetry in the hidden order phase of URuSi . Philosophical Magazine, 2017, 97, 144-154.	0.7	1
24	Quantum Critical Scaling in the Disordered Itinerant Ferromagnet $\text{UCo}_{1-x}\text{Fe}_x\text{Ge}$. Physical Review Letters, 2016, 117, 237202.	2.9	10
25	Oxygen vacancy-driven evolution of structural and electrical properties in SrFeO_3 thin films and a method of stabilization. Applied Physics Letters, 2016, 109, .	1.5	21
26	Electronic correlation and magnetism in the ferromagnetic metal Fe_3Pt . Physical Review B, 2016, 93, .	1.3	109
27	Physical properties of the $\text{Ce}_2\text{MAl}_7\text{Ge}_4$ heavy-fermion compounds ($\text{M}=\text{Co}, \text{Ir}, \text{Ni}, \text{Pd}$). Physical Review B, 2016, 93, .	1.1	8
28	Frustrated magnetism in the spin chain metal $\text{Yb}_2\text{Fe}_{12}\text{P}_7$. Journal of Physics Condensed Matter, 2016, 28, 046004.	0.7	1
29	Ground-state wave function of plutonium in PuSb as determined via x-ray magnetic circular dichroism. Physical Review B, 2015, 91, .	1.1	7
30	Electrodynamics of the antiferromagnetic phase in URu_2Si_2 . Physical Review B, 2015, 92, .	1.2	109
31	Band Structure of Helimagnons in MnSi Resolved by Inelastic Neutron Scattering. Physical Review Letters, 2015, 115, 097203.	2.9	41
32	The valence-fluctuating ground state of plutonium. Science Advances, 2015, 1, e1500188.	4.7	89
33	Symmetry and correlations underlying hidden order in URu_2Si_2 . Physical Review B, 2015, 91, .	1.2	109
34	Chemical pressure tuning of URu_2Si_2 by isoelectronic substitution of Ru with Fe. Physical Review B, 2015, 91, .	1.2	109
35	Magnetic structure of the antiferromagnetic Kondo lattice compounds $\text{CeRhAl}_4\text{Si}_2$ and $\text{CeIrAl}_4\text{Si}_2$. Journal of Physics Condensed Matter, 2015, 27, 245603.	0.7	8
36	Magnitude of the Magnetic Exchange Interaction in the Heavy-Fermion Antiferromagnet CeRhIn_5 . Physical Review Letters, 2014, 113, 246403.	2.9	32

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37	Resolution of the discrepancy between the variation of the physical properties of Ce _{1-x} Yb _x CoIn ₅ single crystals and thin films with Yb composition. Philosophical Magazine, 2014, 94, 4219-4231.	0.7	14
38	Probing the superconductivity of PrPt ₄ . Physical Review B, 2014, 89, .	1.1	27
39	LDÅ+DMFT Approach to Magnetocrystalline Anisotropy of Strong Magnets. Physical Review X, 2014, 4, .	2.8	19
40	Crossover between Fermi liquid and non-Fermi liquid behavior in the non-centrosymmetric compound Yb ₂ Ni ₁₂ P ₇ . Journal of Physics Condensed Matter, 2014, 26, 425601.	0.7	4
41	Critical spin-flip scattering at the helimagnetic transition of MnSi. Physical Review B, 2014, 89, .	1.1	21
42	Fluctuation-induced first-order phase transition in Dzyaloshinskii-Moriya helimagnets. Physical Review B, 2013, 87, .	1.1	208
43	Ferromagnetic quantum critical point in UCe _{1-x} Fe _x . Physical Review B, 2013, 87, .	1.1	26
44	Absence of a static in-plane magnetic moment in the "hidden-order" phase of URu ₂ Si ₂ . New Journal of Physics, 2013, 15, 053031.	1.2	21
45	Non-Fermi liquid regimes with and without quantum criticality in Ce _{1-x} Yb _x CoIn ₅ . Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7160-7164.	3.3	22
46	Yb valence change in Ce _{1-x} Yb _x CoIn ₅ from spectroscopy and bulk properties. Physical Review B, 2013, 88, .	1.1	25
47	Hybridization-driven orthorhombic lattice instability in URu ₂ Si ₂ . Physical Review B, 2013, 88, .	1.1	18
48	Nuclear magnetic resonance studies of pseudospin fluctuations in URu ₂ Si ₂ . Physical Review B, 2013, 88, .	1.1	15
49	UCe _{1-x} Fe _x . Physical Review B, 2013, 87, .	1.1	26

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55	Magnetic, thermal, and transport properties of the actinide based noncentrosymmetric compounds Th ₂ Fe ₁₂ P ₇ and U ₂ Fe ₁₂ P ₇ . Journal of Physics Condensed Matter, 2011, 23, 094222.	0.7	4
56	The non-centrosymmetric heavy fermion ferromagnet Sm ₂ Fe ₁₂ P ₇ . Journal of Physics Condensed Matter, 2011, 23, 094221.	0.7	6
57	Helimagnons in the skyrmion lattice of MnSi. Journal of Physics: Conference Series, 2010, 200, 032026.	0.3	13
58	Non-Fermi Liquid Regimes and Superconductivity in the Low Temperature Phase Diagrams of Strongly Correlated d- and f-Electron Materials. Journal of Low Temperature Physics, 2010, 161, 4-54.	0.6	54
59	Optimization of elliptic neutron guides for triple-axis spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 613, 119-126.	0.7	15
60	Evolution of the Magnetic and Superconducting States in UCoGe With Fe and Ni Substitution. Materials Research Society Symposia Proceedings, 2010, 1264, 1.	0.1	4
61	Helimagnon bands as universal excitations of chiral magnets. Physical Review B, 2010, 81, .	1.1	65
62	Skyrmion lattices in metallic and semiconducting B20 transition metal compounds. Journal of Physics Condensed Matter, 2010, 22, 164207. Single magnetic chirality in the magnetoelectric compound	0.7	111
63	$\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}$		

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73	Spherical neutron polarimetry with MuPAD. Physica B: Condensed Matter, 2007, 397, 125-130.	1.3	42
74	MIRA – A flexible instrument for VCN. Physica B: Condensed Matter, 2007, 397, 150-152.	1.3	10
75	Antiferromagnetic spin structure in below 15K determined by neutron and. Journal of Physics and Chemistry of Solids, 2007, 68, 2162-2165.	1.9	2
76	Simultaneous antiferromagnetic Fe ³⁺ and Nd ³⁺ ordering in NdFe ₃ (11BO ₃) ₄ . Journal of Physics Condensed Matter, 2006, 18, 7975-7989.	0.7	65
77	Reduction of the ordered magnetic moment in YMnO ₃ with hydrostatic pressure. Journal of Physics Condensed Matter, 2005, 17, L425-L430.	0.7	18