

Jianda Wu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22

papers

321

citations

11

h-index

17

g-index

24

ext. papers

491

ext. citations

7.6

avg. IF

3.26

L-index

#	Paper	IF	Citations
22	Cascade of singularities in the spin dynamics of a perturbed quantum critical Ising chain. <i>Physical Review B</i> , 2021 , 103,	3.3	1
21	Multiple fermion scattering in the weakly coupled spin-chain compound YbAlO. <i>Nature Communications</i> , 2021 , 12, 3599	17.4	1
20	$E_{\{8\}}$ Spectra of Quasi-One-Dimensional Antiferromagnet $\text{BaCo}_{\{2\}}\text{V}_{\{2\}}\text{O}_{\{8\}}$ under Transverse Field. <i>Physical Review Letters</i> , 2021 , 127, 077201	7.4	3
19	Dispersions of many-body Bethe strings. <i>Nature Physics</i> , 2020 , 16, 625-630	16.2	8
18	Universality of Heisenberg-Ising chain in external fields. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 045602	1.8	4
17	Observation of E8 particles in an Ising chain antiferromagnet. <i>Physical Review B</i> , 2020 , 101,	3.3	8
16	Phase diagram and quantum criticality of Heisenberg spin chains with Ising anisotropic interchain couplings. <i>Physical Review Research</i> , 2020 , 2,	3.9	6
15	Quantum Critical Dynamics of a Heisenberg-Ising Chain in a Longitudinal Field: Many-Body Strings versus Fractional Excitations. <i>Physical Review Letters</i> , 2019 , 123, 067202	7.4	11
14	Quantum Criticality of the Ising-like Screw Chain Antiferromagnet $\text{SrCo}_{\{2\}}\text{V}_{\{2\}}\text{O}_{\{8\}}$ in a Transverse Magnetic Field. <i>Physical Review Letters</i> , 2019 , 123, 067203	7.4	13
13	One-dimensional quantum spin dynamics of Bethe string states. <i>Physical Review B</i> , 2019 , 100,	3.3	7
12	Experimental observation of Bethe strings. <i>Nature</i> , 2018 , 554, 219-223	50.4	47
11	Quantized interlevel character in quantum systems. <i>Physical Review A</i> , 2018 , 97,	2.6	1
10	Quantum Criticality of an Ising-like Spin-1/2 Antiferromagnetic Chain in a Transverse Magnetic Field. <i>Physical Review Letters</i> , 2018 , 120, 207205	7.4	21
9	Crossovers and critical scaling in the one-dimensional transverse-field Ising model. <i>Physical Review B</i> , 2018 , 97,	3.3	11
8	Quantum criticality of bosonic systems with the Lifshitz dispersion. <i>Physical Review B</i> , 2017 , 96,	3.3	6
7	From confined spinons to emergent fermions: Observation of elementary magnetic excitations in a transverse-field Ising chain. <i>Physical Review B</i> , 2016 , 94,	3.3	20
6	Magnetic and Ising quantum phase transitions in a model for isoelectronically tuned iron pnictides. <i>Physical Review B</i> , 2016 , 93,	3.3	6

5	Finite-temperature spin dynamics in a perturbed quantum critical Ising chain with an E ₈ symmetry. <i>Physical Review Letters</i> , 2014 , 113, 247201	7.4	16
4	Sterical hindrance promotes selectivity of the autophagy cargo receptor NDP52 for the danger receptor galectin-8 in antibacterial autophagy. <i>Science Signaling</i> , 2013 , 6, ra9	8.8	56
3	Entropy accumulation near quantum critical points: effects beyond hyperscaling. <i>Journal of Physics: Conference Series</i> , 2011 , 273, 012019	0.3	11
2	Comment on "Quantitative condition is necessary in guaranteeing the validity of the adiabatic approximation". <i>Physical Review Letters</i> , 2011 , 106, 138901; discussion 138903	7.4	11
1	Experimental study of the validity of quantitative conditions in the quantum adiabatic theorem. <i>Physical Review Letters</i> , 2008 , 101, 060403	7.4	53