

Wang Yupeng

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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.

62

papers

1,160

citations

19

h-index

33

g-index

68

ext. papers

1,277

ext. citations

3.4

avg, IF

4.35

L-index

#	Paper	IF	Citations
62	Exact solution of XXZ spin chain with unparallel boundary fields. <i>Nuclear Physics B</i> , 2003 , 663, 487-519	2.8	169
61	Off-diagonal Bethe ansatz and exact solution of a topological spin ring. <i>Physical Review Letters</i> , 2013 , 111, 137201	7.4	94
60	Off-Diagonal Bethe Ansatz for Exactly Solvable Models 2015 ,		77
59	Off-diagonal Bethe ansatz solution of the XXX spin chain with arbitrary boundary conditions. <i>Nuclear Physics B</i> , 2013 , 875, 152-165	2.8	68
58	Antiresonance scattering at defect levels in the quantum conductance of a one-dimensional system. <i>Physical Review B</i> , 2002 , 65,	3.3	67
57	Off-diagonal Bethe ansatz solutions of the anisotropic spin-12 chains with arbitrary boundary fields. <i>Nuclear Physics B</i> , 2013 , 877, 152-175	2.8	63
56	Unified minimum effective model of magnetic properties of iron-based superconductors. <i>Physical Review B</i> , 2012 , 85,	3.3	51
55	Kondo transport through serially coupled triple quantum dots. <i>Physical Review B</i> , 2005 , 72,	3.3	49
54	Exact spontaneous plaquette ground states for high-spin ladder models. <i>Physical Review B</i> , 2005 , 72,	3.3	41
53	Stable Fulde-Ferrell-Larkin-Ovchinnikov pairing states in two-dimensional and three-dimensional optical lattices. <i>Physical Review A</i> , 2011 , 83,	2.6	40
52	Spin-. <i>Nuclear Physics B</i> , 2014 , 886, 185-201	2.8	33
51	Thermodynamic limit and surface energy of the XXZ spin chain with arbitrary boundary fields. <i>Nuclear Physics B</i> , 2014 , 884, 17-27	2.8	29
50	Bethe states of the XXZ spin-12 chain with arbitrary boundary fields. <i>Nuclear Physics B</i> , 2015 , 893, 70-88	2.8	28
49	Quantum magnetism in ultracold alkali and alkaline-earth fermion systems with symplectic symmetry. <i>Physical Review B</i> , 2011 , 84,	3.3	27
48	Exact solution of the one-dimensional Hubbard model with arbitrary boundary magnetic fields. <i>Nuclear Physics B</i> , 2014 , 879, 98-109	2.8	26
47	Topological edge states and quantum Hall effect in the Haldane model. <i>Physical Review B</i> , 2008 , 78,	3.3	26
46	Nested off-diagonal Bethe ansatz and exact solutions of the $su(n)$ spin chain with generic integrable boundaries. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	25

45	Exact solution of the Izergin-Korepin model with general non-diagonal boundary terms. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	20
44	Quantum-fluctuation-driven coherent spin dynamics in small condensates. <i>Physical Review A</i> , 2008 , 78,	2.6	19
43	Doublon-holon binding, Mott transition, and fractionalized antiferromagnet in the Hubbard model. <i>Physical Review B</i> , 2014 , 89,	3.3	16
42	Analytical thermodynamics of a strongly attractive three-component Fermi gas in one dimension. <i>Physical Review A</i> , 2010 , 82,	2.6	13
41	Interaction-induced anomalous transport behavior in one-dimensional optical lattices. <i>Physical Review A</i> , 2010 , 81,	2.6	13
40	Exact spectrum of the spin-s Heisenberg chain with generic non-diagonal boundaries. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	11
39	Topological phases and fractional excitations of the exciton condensate in a special class of bilayer systems. <i>Physical Review B</i> , 2011 , 84,	3.3	11
38	Properties of a class of topological phase transitions. <i>Physical Review B</i> , 2008 , 78,	3.3	11
37	Bethe ansatz for an AdS/CFT open spin chain with non-diagonal boundaries. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	10
36	Exact ground state and elementary excitations of the spin tetrahedron chain. <i>Physical Review B</i> , 2006 , 74,	3.3	10
35	Partial entropy in finite-temperature phase transitions. <i>Physical Review B</i> , 2007 , 75,	3.3	10
34	Chiral topological excitonic insulator in semiconductor quantum wells. <i>Physical Review B</i> , 2010 , 82,	3.3	9
33	Exact ground state and elementary excitations of a topological spin chain. <i>Physical Review B</i> , 2020 , 102,	3.3	8
32	Off-diagonal Bethe Ansatz on the so(5) spin chain. <i>Nuclear Physics B</i> , 2019 , 946, 114719	2.8	7
31	Chiral f-wave topological superfluid in triangular optical lattices. <i>Physical Review A</i> , 2013 , 87,	2.6	6
30	Quantum spinon oscillations in a finite one-dimensional transverse Ising model. <i>Physical Review B</i> , 2011 , 83,	3.3	6
29	Spin transport properties in Heisenberg antiferromagnetic spin chains: Spin current induced by twisted boundary magnetic fields. <i>Physical Review B</i> , 2006 , 73,	3.3	6
28	Two-dimensional spin-1 frustrated Heisenberg model with valence-bond ground states. <i>Physical Review B</i> , 2007 , 76,	3.3	6

27	MODULATION STRUCTURE OF A FRUSTRATED SPIN LADDER. <i>International Journal of Modern Physics B</i> , 1999 , 13, 3323-3329	1.1	6
26	Twisted boundary energy and low energy excitation of the XXZ spin torus at the ferromagnetic region. <i>New Journal of Physics</i> , 2018 , 20, 073046	2.9	6
25	Exact solution of the alternating XXZ spin chain with generic non-diagonal boundaries. <i>Annals of Physics</i> , 2015 , 361, 91-106	2.5	4
24	On the complete-spectrum characterization of quantum integrable spin chains via inhomogeneous TQ relation. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015 , 48, 444001	2	4
23	Quantum dynamics in driven sawtooth lattice under uniform magnetic field. <i>Physical Review A</i> , 2013 , 87,	2.6	4
22	Exact surface energy and helical spinons in the XXZ spin chain with arbitrary nondiagonal boundary fields. <i>Physical Review B</i> , 2021 , 103,	3.3	4
21	Thermodynamic limit and twisted boundary energy of the XXZ spin chain with antiperiodic boundary condition. <i>Nuclear Physics B</i> , 2018 , 936, 501-519	2.8	4
20	Phase diagram and magnetization plateaus in the SU(4) spin ladder with rung anisotropy. <i>Physical Review B</i> , 2002 , 66,	3.3	3
19	A representation basis for the quantum integrable spin chain associated with the su(3) algebra. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	3
18	Exact solution of the sp(4) integrable spin chain with generic boundaries. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
17	Off-diagonal Bethe Ansatz solution of the \mathbb{Z} -model. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	2
16	QUANTUM PHASE TRANSITION AND ENTANGLEMENT IN THE TRANSVERSE-FIELD ISING MODEL. <i>International Journal of Quantum Information</i> , 2006 , 04, 705-713	0.8	2
15	Boundary defects in integrable quantum spin ladders. <i>Physical Review B</i> , 2002 , 65,	3.3	2
14	Off-diagonal Bethe Ansatz for the $(\mathbb{D}_3^{\wedge(1)})$ model. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
13	Superconductivity in a two-dimensional hole-doped spin-orbital system. <i>Physical Review B</i> , 2003 , 68,	3.3	1
12	ENTANGLEMENT IN THE XY SPIN CHAIN WITH NONUNIFORM EXTERNAL MAGNETIC FIELDS. <i>International Journal of Quantum Information</i> , 2005 , 03, 569-577	0.8	1
11	Exact ground states for spin-1 systems with spin-orbital coupling. <i>Physical Review B</i> , 2005 , 72,	3.3	1
10	Exact solution of Heisenberg-liquid models with long-range coupling. <i>Physical Review B</i> , 2001 , 63,	3.3	1

- 9 Exact solution of a two-component Calogero-Sutherland model with molecular field. *Physical Review B*, **2002**, 66, 3-3 1
- 8 T-QW relation and free energy of the Heisenberg chain at a finite temperature. *Journal of High Energy Physics*, **2021**, 2021, 1 5-4 1
- 7 Root patterns and energy spectra of quantum integrable systems without U(1) symmetry: the antiperiodic XXZ spin chain. *Journal of High Energy Physics*, **2021**, 2021, 1 5-4 0
- 6 Spectrum of the quantum integrable $\mathfrak{D}_2^{(2)}$ spin chain with generic boundary fields. *Journal of High Energy Physics*, **2022**, 2022, 1 5-4 0
- 5 The Spin- $(\frac{1}{2})$ Chains with Arbitrary Boundary Fields **2015**, 121-196
- 4 Graded off-diagonal Bethe ansatz solution of the SU(2|2) spin chain model with generic integrable boundaries. *Nuclear Physics B*, **2020**, 960, 115206 2-8
- 3 Thirty years of solid state physics research at the Institute of Physics, Chinese Academy of Sciences. *Physica Status Solidi (A) Applications and Materials Science*, **2010**, 207, 2610-2620 1-6
- 2 The Spin- $\frac{1}{2}$ Torus **2015**, 93-119
- 1 Exact solution of the quantum integrable model associated with the twisted $\mathfrak{D}_3^{(2)}$ algebra. *Journal of High Energy Physics*, **2022**, 2022, 1 5-4