

Rodrigo G Pereira

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.

42
papers

1,323
citations

17
h-index

36
g-index

52
ext. papers

1,562
ext. citations

3.8
avg, IF

4.74
L-index

#	Paper	IF	Citations
42	From Quantum Spin Chains to Chiral Spin Liquids. <i>Springer Proceedings in Physics</i> , 2020 , 309-323	0.2	
41	Confinement and bound states of bound states in a transverse-field two-leg Ising ladder. <i>Physical Review B</i> , 2020 , 102,	3.3	3
40	Quadrupolar spin liquid, octupolar Kondo coupling, and odd-frequency superconductivity in an exactly solvable model. <i>Physical Review B</i> , 2020 , 102,	3.3	2
39	Electrical Access to Ising Anyons in Kitaev Spin Liquids. <i>Physical Review Letters</i> , 2020 , 125, 227202	7.4	2
38	Spin Chain Network Construction of Chiral Spin Liquids. <i>Physical Review Letters</i> , 2019 , 123, 137202	7.4	4
37	Chiral Y junction of quantum spin chains. <i>Nuclear Physics B</i> , 2019 , 941, 794-837	2.8	5
36	Superconductivity from piezoelectric interactions in Weyl semimetals. <i>Physical Review B</i> , 2019 , 100,	3.3	2
35	Unveiling phase transitions with machine learning. <i>Physical Review B</i> , 2019 , 100,	3.3	25
34	SU(4) Heisenberg model on the honeycomb lattice with exchange-frustrated perturbations: Implications for twistronics and Mott insulators. <i>Physical Review B</i> , 2019 , 100,	3.3	17
33	Kondo effect in a PT-symmetric non-Hermitian Hamiltonian. <i>Physical Review B</i> , 2018 , 98,	3.3	18
32	Quantum spin circulator in Y junctions of Heisenberg chains. <i>Physical Review B</i> , 2018 , 97,	3.3	5
31	Gapless chiral spin liquid from coupled chains on the kagome lattice. <i>SciPost Physics</i> , 2018 , 4,	6.1	8
30	SU(4)-symmetric spin-orbital liquids on the hyperhoneycomb lattice. <i>Physical Review B</i> , 2018 , 98,	3.3	13
29	Edge magnetization and spin transport in an SU(2)-symmetric Kitaev spin liquid. <i>Physical Review B</i> , 2018 , 98,	3.3	8
28	Dynamics of a $j=3/2$ quantum spin liquid. <i>Physical Review B</i> , 2017 , 96,	3.3	11
27	Spinon and bound-state excitation light cones in Heisenberg XXZ chains. <i>Physical Review B</i> , 2017 , 95,	3.3	15
26	Boundary versus bulk behavior of time-dependent correlation functions in one-dimensional quantum systems. <i>Physical Review B</i> , 2016 , 93,	3.3	5

25	Chiral Spin-Orbital Liquids with Nodal Lines. <i>Physical Review Letters</i> , 2016 , 117, 017204	7.4	22
24	Tunable breakdown of the polaron picture for mobile impurities in a topological semimetal. <i>Physical Review B</i> , 2016 , 94,	3.3	1
23	Mobile impurities and orthogonality catastrophe in two-dimensional vortex lattices. <i>Physical Review A</i> , 2015 , 91,	2.6	2
22	Chiral spin liquids in arrays of spin chains. <i>Physical Review B</i> , 2015 , 91,	3.3	48
21	Spin-charge-separated quasiparticles in one-dimensional quantum fluids. <i>Physical Review B</i> , 2015 , 91,	3.3	8
20	Low temperature dynamics of nonlinear Luttinger liquids. <i>New Journal of Physics</i> , 2015 , 17, 103003	2.9	16
19	Exactly conserved quasilocal operators for the XXZ spin chain. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014 , 2014, P09037	1.9	71
18	Nonuniversality of entanglement convertibility. <i>Physical Review B</i> , 2014 , 89,	3.3	10
17	Tkachenko polarons in vortex lattices. <i>Physical Review Letters</i> , 2013 , 111, 115304	7.4	4
16	Charge dynamics in half-filled Hubbard chains with finite on-site interaction. <i>Physical Review B</i> , 2012 , 85,	3.3	19
15	LONG TIME CORRELATIONS OF NONLINEAR LUTTINGER LIQUIDS. <i>International Journal of Modern Physics B</i> , 2012 , 26, 1244008	1.1	13
14	Conservation laws, integrability, and transport in one-dimensional quantum systems. <i>Physical Review B</i> , 2011 , 83,	3.3	152
13	Orbital multicriticality in spin-gapped quasi-one-dimensional antiferromagnets. <i>Physical Review B</i> , 2011 , 84,	3.3	10
12	Spin-charge coupling in quantum wires at zero magnetic field. <i>Physical Review B</i> , 2010 , 82,	3.3	26
11	Exotic phases induced by strong spin-orbit coupling in ordered double perovskites. <i>Physical Review B</i> , 2010 , 82,	3.3	141
10	Spectral function of spinless fermions on a one-dimensional lattice. <i>Physical Review B</i> , 2009 , 79,	3.3	82
9	Diffusion and ballistic transport in one-dimensional quantum systems. <i>Physical Review Letters</i> , 2009 , 103, 216602	7.4	178
8	Kondo screening cloud and charge staircase in one-dimensional mesoscopic devices. <i>Physical Review B</i> , 2008 , 77,	3.3	18

7	Exact edge singularities and dynamical correlations in spin-1/2 chains. <i>Physical Review Letters</i> , 2008 , 100, 027206	7.4	95
6	Boson decay and the dynamical structure factor for the XXZ chain at finite magnetic field. <i>Physica B: Condensed Matter</i> , 2008 , 403, 1520-1522	2.8	5
5	Dynamical structure factor at small q for the XXZ spin-1/2 chain. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007 , 2007, P08022-P08022	1.9	64
4	Dynamical spin structure factor for the anisotropic spin-1/2 Heisenberg chain. <i>Physical Review Letters</i> , 2006 , 96, 257202	7.4	126
3	Magnetically controlled impurities in quantum wires with strong Rashba coupling. <i>Physical Review B</i> , 2005 , 71,	3.3	18
2	Domain-wall scattering in an interacting one-dimensional electron gas. <i>Physical Review B</i> , 2004 , 69,	3.3	11
1	Dimerization induced by the RKKY interaction. <i>Physical Review Letters</i> , 2003 , 90, 247204	7.4	39