

# Rodrigo G Pereira

## List of Publications by Citations

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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	Diffusion and ballistic transport in one-dimensional quantum systems. <i>Physical Review Letters</i> , <b>2009</b> , 103, 216602	7.4	178
41	Conservation laws, integrability, and transport in one-dimensional quantum systems. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	152
40	Exotic phases induced by strong spin-orbit coupling in ordered double perovskites. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	141
39	Dynamical spin structure factor for the anisotropic spin-1/2 Heisenberg chain. <i>Physical Review Letters</i> , <b>2006</b> , 96, 257202	7.4	126
38	Exact edge singularities and dynamical correlations in spin-1/2 chains. <i>Physical Review Letters</i> , <b>2008</b> , 100, 027206	7.4	95
37	Spectral function of spinless fermions on a one-dimensional lattice. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	82
36	Exactly conserved quasilocal operators for the XXZ spin chain. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2014</b> , 2014, P09037	1.9	71
35	Dynamical structure factor at small $q$ for the XXZ spin-1/2 chain. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2007</b> , 2007, P08022-P08022	1.9	64
34	Chiral spin liquids in arrays of spin chains. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	48
33	Dimerization induced by the RKKY interaction. <i>Physical Review Letters</i> , <b>2003</b> , 90, 247204	7.4	39
32	Spin-charge coupling in quantum wires at zero magnetic field. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	26
31	Unveiling phase transitions with machine learning. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	25
30	Chiral Spin-Orbital Liquids with Nodal Lines. <i>Physical Review Letters</i> , <b>2016</b> , 117, 017204	7.4	22
29	Charge dynamics in half-filled Hubbard chains with finite on-site interaction. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	19
28	Kondo effect in a PT-symmetric non-Hermitian Hamiltonian. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	18
27	Kondo screening cloud and charge staircase in one-dimensional mesoscopic devices. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	18
26	Magnetically controlled impurities in quantum wires with strong Rashba coupling. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	18

25	SU(4) Heisenberg model on the honeycomb lattice with exchange-frustrated perturbations: Implications for twistrionics and Mott insulators. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	17
24	Low temperature dynamics of nonlinear Luttinger liquids. <i>New Journal of Physics</i> , <b>2015</b> , 17, 103003	2.9	16
23	Spinon and bound-state excitation light cones in Heisenberg XXZ chains. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	15
22	LONG TIME CORRELATIONS OF NONLINEAR LUTTINGER LIQUIDS. <i>International Journal of Modern Physics B</i> , <b>2012</b> , 26, 1244008	1.1	13
21	SU(4)-symmetric spin-orbital liquids on the hyperhoneycomb lattice. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	13
20	Dynamics of a $j=32$ quantum spin liquid. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	11
19	Domain-wall scattering in an interacting one-dimensional electron gas. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	11
18	Nonuniversality of entanglement convertibility. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	10
17	Orbital multicriticality in spin-gapped quasi-one-dimensional antiferromagnets. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	10
16	Spin-charge-separated quasiparticles in one-dimensional quantum fluids. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	8
15	Gapless chiral spin liquid from coupled chains on the kagome lattice. <i>SciPost Physics</i> , <b>2018</b> , 4,	6.1	8
14	Edge magnetization and spin transport in an SU(2)-symmetric Kitaev spin liquid. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	8
13	Chiral Y junction of quantum spin chains. <i>Nuclear Physics B</i> , <b>2019</b> , 941, 794-837	2.8	5
12	Boundary versus bulk behavior of time-dependent correlation functions in one-dimensional quantum systems. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	5
11	Quantum spin circulator in Y junctions of Heisenberg chains. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	5
10	Boson decay and the dynamical structure factor for the XXZ chain at finite magnetic field. <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 1520-1522	2.8	5
9	Spin Chain Network Construction of Chiral Spin Liquids. <i>Physical Review Letters</i> , <b>2019</b> , 123, 137202	7.4	4
8	Tkachenko polarons in vortex lattices. <i>Physical Review Letters</i> , <b>2013</b> , 111, 115304	7.4	4

7	Confinement and bound states of bound states in a transverse-field two-leg Ising ladder. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	3
6	Mobile impurities and orthogonality catastrophe in two-dimensional vortex lattices. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	2
5	Superconductivity from piezoelectric interactions in Weyl semimetals. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	2
4	Quadrupolar spin liquid, octupolar Kondo coupling, and odd-frequency superconductivity in an exactly solvable model. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	2
3	Electrical Access to Ising Anyons in Kitaev Spin Liquids. <i>Physical Review Letters</i> , <b>2020</b> , 125, 227202	7.4	2
2	Tunable breakdown of the polaron picture for mobile impurities in a topological semimetal. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	1
1	From Quantum Spin Chains to Chiral Spin Liquids. <i>Springer Proceedings in Physics</i> , <b>2020</b> , 309-323	0.2	