

Rodrigo G Pereira

List of Publications by Year in descending order

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52
papers

1,724
citations

393982

19
h-index

276539

41
g-index

52
all docs

52
docs citations

52
times ranked

1209
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion and Ballistic Transport in One-Dimensional Quantum Systems. Physical Review Letters, 2009, 103, 216602.	2.9	196
2	Exotic phases induced by strong spin-orbit coupling in ordered double perovskites. Physical Review B, 2010, 82, .	1.1	192
3	Conservation laws, integrability, and transport in one-dimensional quantum systems. Physical Review B, 2011, 83, .	1.1	167
4	Dynamical Spin Structure Factor for the Anisotropic Spin-1/2 Heisenberg Chain. Physical Review Letters, 2006, 96, 257202.	2.9	138
5	Exact Edge Singularities and Dynamical Correlations in Spin- 1 Chains. Physical Review Letters, 2008, 100, 027206.	2.9	105
6	Spectral function of spinless fermions on a one-dimensional lattice. Physical Review B, 2009, 79, .	1.1	90
7	Exactly conserved quasilocal operators for the XXZ spin chain. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P09037.	0.9	83
8	Dynamical structure factor at small q for the XXZ spin-1/2 chain. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P08022-P08022.	0.9	74
9	Chiral spin liquids in arrays of spin chains. Physical Review B, 2015, 91, .	1.1	62
10	Kondo effect in a PT -symmetric non-Hermitian Hamiltonian. Physical Review B, 2018, 98, .	1.1	52
11	Unveiling phase transitions with machine learning. Physical Review B, 2019, 100, .	1.1	50
12	Dimerization Induced by the RKKY Interaction. Physical Review Letters, 2003, 90, 247204.	2.9	47
13	Chiral Spin-Orbital Liquids with Nodal Lines. Physical Review Letters, 2016, 117, 017204.	2.9	32
14	$SU(4)$ Heisenberg model on the honeycomb lattice with exchange-frustrated perturbations: Implications for twistrionics and Mott insulators. Physical Review B, 2019, 100, .	1.1	32
15	Spin-charge coupling in quantum wires at zero magnetic field. Physical Review B, 2010, 82, .	1.1	30
16	Charge dynamics in half-filled Hubbard chains with finite on-site interaction. Physical Review B, 2012, 85, .	1.1	27
17	Kondo screening cloud and charge staircase in one-dimensional mesoscopic devices. Physical Review B, 2008, 77, .	1.1	26
18	$SU(4)$ -symmetric spin-orbital liquids on the hyperhoneycomb lattice. Physical Review B, 2018, 98, .	1.1	23

#	ARTICLE	IF	CITATIONS
37	Tkachenko Polarons in Vortex Lattices. <i>Physical Review Letters</i> , 2013, 111, 115304.	2.9	7
38	Phonon-limited transport and Fermi arc lifetime in Weyl semimetals. <i>Physical Review B</i> , 2022, 105, .	1.1	6
39	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.	1.3	5
40	Boundary versus bulk behavior of time-dependent correlation functions in one-dimensional quantum systems. <i>Physical Review B</i> , 2016, 93, .	1.1	5
41	Superconductivity from piezoelectric interactions in Weyl semimetals. <i>Physical Review B</i> , 2019, 100, .	1.1	4
42	Fractons from a liquid of singlet pairs. <i>Physical Review B</i> , 2021, 103, .	1.1	4
43	Dynamical structure factors in the nematic phase of frustrated ferromagnetic spin chains. <i>Physical Review B</i> , 2018, 98, .	1.1	3
44	Gapless excitations in non-Abelian Kitaev spin liquids with line defects. <i>Physical Review B</i> , 2022, 105, .	1.1	3
45	Coexistence of spontaneous dimerization and magnetic order in a transverse-field Ising ladder with four-spin interactions. <i>Physical Review B</i> , 2022, 105, .	1.1	3
46	The case of SU(3) criticality in spin-2 chains. <i>Physical Review B</i> , 2022, 105, .	1.1	3
47	Mobile impurities and orthogonality catastrophe in two-dimensional vortex lattices. <i>Physical Review A</i> , 2015, 91, .	1.0	2
48	Tunable breakdown of the polaron picture for mobile impurities in a topological semimetal. <i>Physical Review B</i> , 2016, 94, .	1.1	2
49	Continuous phase transition from a chiral spin state to collinear magnetic order in a zigzag chain with Kitaev interactions. <i>Physical Review B</i> , 2022, 105, .	1.1	2
50	Kondo dynamics in one-dimensional doped ferromagnetic insulators. <i>Physical Review B</i> , 2015, 91, .	1.1	1
51	Bound states in two-dimensional Fermi systems with quadratic band touching. <i>Physical Review B</i> , 2020, 101, .	1.1	1
52	From Quantum Spin Chains to Chiral Spin Liquids. <i>Springer Proceedings in Physics</i> , 2020, , 309-323.	0.1	0