

# Eduardo Novais

## 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.

19  
papers

321  
citations

10  
h-index

17  
g-index

19  
ext. papers

364  
ext. citations

4.5  
avg, IF

3.15  
L-index

#	Paper	IF	Citations
19	Flux rectification in the quantum XXZ chain. <i>Physical Review E</i> , <b>2014</b> , 90, 042142	2.4	67
18	Quantum magnetic impurities in magnetically ordered systems. <i>Physical Review Letters</i> , <b>2003</b> , 91, 096401	7.4	38
17	Frustration of decoherence in open quantum systems. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	36
16	Surface code threshold in the presence of correlated errors. <i>Physical Review Letters</i> , <b>2013</b> , 110, 010502	7.4	25
15	Decoherence by correlated noise and quantum error correction. <i>Physical Review Letters</i> , <b>2006</b> , 97, 040501	7.4	25
14	Small Fermi surface in the one-dimensional Kondo lattice model. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	21
13	Coulomb gas approach to the anisotropic one-dimensional Kondo lattice model at arbitrary filling. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	19
12	Resilient quantum computation in correlated environments: a quantum phase transition perspective. <i>Physical Review Letters</i> , <b>2007</b> , 98, 040501	7.4	18
11	Hamiltonian formulation of quantum error correction and correlated noise: Effects of syndrome extraction in the long-time limit. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	15
10	Fidelity threshold of the surface code beyond single-qubit error models. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	13
9	Fidelity of the surface code in the presence of a bosonic bath. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	10
8	Nuclear spin qubits in a pseudospin quantum chain. <i>Physical Review A</i> , <b>2004</b> , 69,	2.6	8
7	Phase diagram of the anisotropic Kondo chain. <i>Physical Review Letters</i> , <b>2002</b> , 88, 217201	7.4	8
6	Bound on quantum computation time: Quantum error correction in a critical environment. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	5
5	Rescuing a Quantum Phase Transition with Quantum Noise. <i>Physical Review Letters</i> , <b>2017</b> , 118, 050402	7.4	4
4	Fixed points of the dissipative Hofstadter model. <i>Physical Review Letters</i> , <b>2005</b> , 94, 170401	7.4	4
3	Surface code fidelity at finite temperatures. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	3

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| 2 | Long-time efficacy of the surface code in the presence of a super-Ohmic environment. <i>Physical Review A</i> , <b>2017</b> , 95,                                | 2.6 | 1 |
| 1 | Conductance of a dissipative quantum dot: Nonequilibrium crossover near a non-Fermi-liquid quantum critical point. <i>Physical Review B</i> , <b>2021</b> , 104, | 3.3 | 1 |