

Francesco Bariani

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.

17
papers

677
citations

12
h-index

17
g-index

17
ext. papers

741
ext. citations

4.8
avg, IF

4.07
L-index

#	Paper	IF	Citations
17	Phonon Cooling by an Optomechanical Heat Pump. <i>Physical Review Letters</i> , 2015 , 115, 223602	7.4	14
16	Work measurement in an optomechanical quantum heat engine. <i>Physical Review A</i> , 2015 , 92,	2.6	21
15	Proposal for an optomechanical microwave sensor at the subphoton level. <i>Physical Review Letters</i> , 2015 , 114, 113601	7.4	42
14	Single-atom quantum control of macroscopic mechanical oscillators. <i>Physical Review A</i> , 2014 , 89,	2.6	12
13	Hybrid optomechanical cooling by atomic systems. <i>Physical Review A</i> , 2014 , 90,	2.6	40
12	Theory of an optomechanical quantum heat engine. <i>Physical Review A</i> , 2014 , 90,	2.6	36
11	Quantum optomechanical heat engine. <i>Physical Review Letters</i> , 2014 , 112, 150602	7.4	149
10	Entanglement of neutral-atom chains by spin-exchange Rydberg interaction. <i>Physical Review A</i> , 2014 , 90,	2.6	17
9	Generation of macroscopic quantum superpositions of optomechanical oscillators by dissipation. <i>Physical Review A</i> , 2013 , 88,	2.6	53
8	Observation of coherent many-body Rabi oscillations. <i>Nature Physics</i> , 2012 , 8, 790-794	16.2	160
7	Retrieval of multiple spin waves from a weakly excited, metastable atomic ensemble. <i>Physical Review A</i> , 2012 , 85,	2.6	10
6	Emergence of spatial spin-wave correlations in a cold atomic gas. <i>Physical Review Letters</i> , 2012 , 109, 133602	7.4	19
5	Dephasing dynamics of Rydberg atom spin waves. <i>Physical Review A</i> , 2012 , 86,	2.6	10
4	Dephasing of multiparticle Rydberg excitations for fast entanglement generation. <i>Physical Review Letters</i> , 2012 , 108, 030501	7.4	47
3	Photon wave-packet manipulation via dynamic electromagnetically induced transparency in multilayer structures. <i>Physical Review A</i> , 2010 , 81,	2.6	3
2	Optical properties of atomic Mott insulators: From slow light to dynamical Casimir effects. <i>Physical Review A</i> , 2008 , 77,	2.6	34
1	Light propagation in atomic Mott Insulators. <i>Journal of the European Optical Society-Rapid Publications</i> , 2008 , 3,	2.5	10

