Francesco Bariani

List of Publications by Year
in descending order

17	821	687363 13	940533 16
papers	citations	h-index	g-index

17	17	17	851
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phonon Cooling by an Optomechanical Heat Pump. Physical Review Letters, 2015, 115, 223602.	7.8	18
2	Work measurement in an optomechanical quantum heat engine. Physical Review A, 2015, 92, .	2.5	27
3	Proposal for an Optomechanical Microwave Sensor at the Subphoton Level. Physical Review Letters, 2015, 114, 113601.	7.8	51
4	Entanglement of neutral-atom chains by spin-exchange Rydberg interaction. Physical Review A, 2014, 90, .	2.5	23
5	Single-atom quantum control of macroscopic mechanical oscillators. Physical Review A, 2014, 89, .	2.5	14
6	Hybrid optomechanical cooling by atomic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î›</mml:mi></mml:math>systems. Physical Review A, 2014, 90, .	2.5	45
7	Theory of an optomechanical quantum heat engine. Physical Review A, 2014, 90, .	2.5	47
8	Quantum Optomechanical Heat Engine. Physical Review Letters, 2014, 112, 150602.	7.8	196
9	Generation of macroscopic quantum superpositions of optomechanical oscillators by dissipation. Physical Review A, 2013, 88, .	2.5	62
10	Emergence of Spatial Spin-Wave Correlations in a Cold Atomic Gas. Physical Review Letters, 2012, 109, 133602.	7.8	20
11	Dephasing dynamics of Rydberg atom spin waves. Physical Review A, 2012, 86, .	2.5	14
12	Dephasing of Multiparticle Rydberg Excitations for Fast Entanglement Generation. Physical Review Letters, 2012, 108, 030501.	7.8	58
13	Observation of coherent many-body Rabi oscillations. Nature Physics, 2012, 8, 790-794.	16.7	183
14	Retrieval of multiple spin waves from a weakly excited, metastable atomic ensemble. Physical Review A, 2012, 85, .	2.5	12
15	Photon wave-packet manipulation via dynamic electromagnetically induced transparency in multilayer structures. Physical Review A, 2010, 81, .	2.5	5
16	Optical properties of atomic Mott insulators: From slow light to dynamical Casimir effects. Physical Review A, 2008, 77, .	2.5	36
17	Light propagation in atomic Mott Insulators. Journal of the European Optical Society-Rapid Publications, 0, 3, .	1.9	10