Stefano Zippilli

List of Publications by Year
in descending order

48	1,165	331670 21	377865 34
papers	citations	h-index	g-index

49	49	49	891
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Feedback-enabled microwave quantum illumination. Quantum Science and Technology, 2022, 7, 035003.	5.8	7
2	Dissipative Engineering of Gaussian Entangled States in Harmonic Lattices with a Single-Site Squeezed Reservoir. Physical Review Letters, 2021, 126, 020402.	7.8	17
3	Noise robustness of synchronization of two nanomechanical resonators coupled to the same cavity field. Physical Review A, 2020, 101, .	2.5	25
4	Possibility to generate any Gaussian cluster state by a multimode squeezing transformation. Physical Review A, 2020, 102, .	2.5	4
5	Optomechanical Stirling heat engine driven by feedback-controlled light. Physical Review A, 2020, 102, .	2.5	10
6	An optomechanical heat engine with feedback-controlled in-loop light. New Journal of Physics, 2019, 21, 093051.	2.9	17
7	Optomechanical cooling with intracavity squeezed light. Optics Express, 2019, 27, 32427.	3.4	39
8	Normal-Mode Splitting in a Weakly Coupled Optomechanical System. Physical Review Letters, 2018, 120, 073601.	7.8	45
9	Cavity optomechanics with feedback-controlled in-loop light. Physical Review A, 2018, 98, .	2.5	19
10	Two-membrane cavity optomechanics. New Journal of Physics, 2018, 20, 083024.	2.9	63
11	Enhancing Sideband Cooling by Feedback-Controlled Light. Physical Review Letters, 2017, 119, 123603.	7.8	61
12	Enhanced entanglement of two different mechanical resonators via coherent feedback. Physical Review A, 2017, 95, .	2.5	76
13	Enhancement of three-mode optomechanical interaction by feedback-controlled light. Quantum Science and Technology, 2017, 2, 034014.	5.8	20
14	Quantum Enhanced optomechanical cooling with squeezed light. , 2017, , .		1
15	High-fidelity ground state cooling of a mechanical resonator via squeezed light driving. , 2017, , .		0
16	Suppression of Stokes scattering and improved optomechanical cooling with squeezed light. Physical Review A, 2016, 94, .	2.5	37
17	Discriminating the effects of collapse models from environmental diffusion with levitated nanospheres. Physical Review A, 2016, 93, .	2.5	28
18	Mechanical Einstein-Podolsky-Rosen entanglement with a finite-bandwidth squeezed reservoir. Physical Review A, 2016, 93, .	2.5	31

#	ARTICLE	IF	CITATIONS
19	Steady-state nested entanglement structures in harmonic chains with single-site squeezing manipulation. Physical Review A, 2015, 92, .	2.5	24
20	Simulating long-distance entanglement in quantum spin chains by superconducting flux qubits. Physical Review A, 2015, 91, .	2.5	12
21	Generation and detection of large and robust entanglement between two different mechanical resonators in cavity optomechanics. New Journal of Physics, 2015, 17, 103037.	2.9	85
22	Large distance continuous variable communication with concatenated swaps. Physica Scripta, 2015, 90, 074055.	2.5	16
23	Entanglement and squeezing of continuous-wave stationary light. New Journal of Physics, 2015, 17, 043025.	2.9	26
24	Stationary entanglement of photons and atoms in a high-finesse resonator. Physical Review A, 2014, 89, .	2.5	4
25	Adiabatic quantum simulation with a segmented ion trap: Application to long-distance entanglement in quantum spin systems. Physical Review A, 2014, 89, .	2.5	20
26	Non-Markovian dynamics and steady-state entanglement of cavity arrays in finite-bandwidth squeezed reservoirs. Physical Review A, 2014, 89, .	2.5	17
27	Entanglement Replication in Driven Dissipative Many-Body systems. Physical Review Letters, 2013, 110, 040503.	7.8	28
28	Surface entanglement in quantum spin networks. Physical Review A, 2013, 87, .	2.5	6
29	Quantum light by atomic arrays in optical resonators. Physical Review A, 2011, 84, .	2.5	15
30	Quantum jumps induced by the center-of-mass motion of a trapped atom. European Physical Journal D, 2011, 61, 21-32.	1.3	2
31	Quantum-noise quenching in atomic tweezers. Physical Review A, 2011, 83, .	2.5	4
32	Ground-state-cooling vibrations of suspended carbon nanotubes with constant electron current. Physical Review B, 2010, 81, .	3.2	23
33	Two-photon lasing by a single quantum dot in a high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>microcavity. Physical Review B, 2010, 81, .	3.2	71
34	Cooling Carbon Nanotubes to the Phononic Ground State with a Constant Electron Current. Physical Review Letters, 2009, 102, 096804.	7.8	77
35	Entanglement of distant atoms by projective measurement: the role of detection efficiency. New Journal of Physics, 2008, 10, 103003.	2.9	16
36	Dynamics of cavity cooling of trapped atoms. , 2007, , .		0

#	Article	IF	Citations
37	Nonlinear optics with two trapped atoms. Physical Review A, 2007, 76, .	2.5	23
38	Resonance fluorescence of a cold atom in a high-finesse resonator. Physical Review A, 2007, 76, .	2.5	14
39	Ground state cooling in a bad cavity. Journal of Modern Optics, 2007, 54, 1595-1606.	1.3	7
40	Cooling Trapped Atoms in Optical Resonators. Physical Review Letters, 2005, 95, 143001.	7.8	61
41	Mechanical effects of optical resonators on driven trapped atoms: Ground-state cooling in a high-finesse cavity. Physical Review A, 2005, 72, .	2.5	37
42	Suppression of Bragg Scattering by Collective Interference of Spatially Ordered Atoms with a High-QCavity Mode. Physical Review Letters, 2004, 93, 123002.	7.8	23
43	Decoherence control with fully quantum feedback schemes. Journal of Modern Optics, 2004, 51, 799-809.	1.3	8
44	Collective effects in the dynamics of driven atoms in a high-Q resonator. European Physical Journal D, 2004, 31, 507-518.	1.3	15
45	Forces and spatial ordering of driven atoms in a resonator in the regime of fluorescence suppression. Applied Physics B: Lasers and Optics, 2004, 79, 969-978.	2.2	7
46	Scheme for decoherence control in microwave cavities. Physical Review A, 2003, 67, .	2.5	22
47	Quantum state protection with quantum feedback schemes. , 0, , .		0
48	Collective quantum dynamics of an atomic lattice coupled to an optical resonator. , 0, , .		0