

Massimiliano Rossi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1912813/publications.pdf>

Version: 2024-02-01

19
papers

928
citations

759233

12
h-index

996975

15
g-index

21
all docs

21
docs citations

21
times ranked

956
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement-based quantum control of mechanical motion. Nature, 2018, 563, 53-58.	27.8	263
2	Quantum control of a nanoparticle optically levitated in cryogenic free space. Nature, 2021, 595, 378-382.	27.8	163
3	Continuous force and displacement measurement below the standard quantum limit. Nature Physics, 2019, 15, 745-749.	16.7	137
4	Enhancing Sideband Cooling by Feedback-Controlled Light. Physical Review Letters, 2017, 119, 123603.	7.8	61
5	Observing and Verifying the Quantum Trajectory of a Mechanical Resonator. Physical Review Letters, 2019, 123, 163601.	7.8	57
6	Entanglement of propagating optical modes via a mechanical interface. Nature Communications, 2020, 11, 943.	12.8	53
7	Normal-Mode Splitting in a Weakly Coupled Optomechanical System. Physical Review Letters, 2018, 120, 073601.	7.8	45
8	Microfabrication of large-area circular high-stress silicon nitride membranes for optomechanical applications. AIP Advances, 2016, 6, 065004.	1.3	41
9	Gravitational wave detectors with broadband high frequency sensitivity. Communications Physics, 2021, 4, .	5.3	26
10	Experimental Assessment of Entropy Production in a Continuously Measured Mechanical Resonator. Physical Review Letters, 2020, 125, 080601.	7.8	25
11	Enhancement of three-mode optomechanical interaction by feedback-controlled light. Quantum Science and Technology, 2017, 2, 034014.	5.8	20
12	Cavity optomechanics with feedback-controlled in-loop light. Physical Review A, 2018, 98, .	2.5	19
13	Modeling and Observation of Nonlinear Damping in Dissipation-Diluted Nanomechanical Resonators. Physical Review Letters, 2021, 126, 174101.	7.8	13
14	Controlling spatial coherence with an optical complex medium. Optics Express, 2021, 29, 40831.	3.4	3
15	Quantum Measurement and Control of a Mechanical Resonator. , 2019, , .		1
16	Quantum Measurement of a Mechanical Resonator at and Below the Standard Quantum Limit. , 2019, , .		0
17	Ground-state cooling of a levitated nanoparticle. , 2021, , .		0
18	Quantum Optomechanics with Ultracoherent Softâ€“Clamped Resonators. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Quantum Measurement of a Mechanical Resonator At and Below the Standard Quantum Limit. , 2019, , .		0