

Xin-You LÃ^{1/4}

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11615990/publications.pdf>

Version: 2024-02-01

39
papers

3,025
citations

257357

24
h-index

302012

39
g-index

39
all docs

39
docs citations

39
times ranked

1431
citing authors

#	ARTICLE	IF	CITATIONS
1	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Symmetric Phonon Laser. Physical Review Metrology with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$	2.9	502
2	Symmetric Cavities: Enhanced Sensitivity near the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$	2.9	290
3	Phase Transition. Physical Review $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{P} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Symmetry-Breaking Chaos in Optomechanics. Physical Review Letters. 2015, 114, 253601.	2.9	270
4	Squeezed Optomechanics with Phase-Matched Amplification and Dissipation. Physical Review Letters, 2015, 114, 093602.	2.9	268
5	Optomechanically-induced transparency in parity-time-symmetric microresonators. Scientific Reports, 2015, 5, 9663.	1.6	261
6	Steady-state mechanical squeezing in an optomechanical system via Duffing nonlinearity. Physical Review A, 2015, 91, .	1.0	165
7	Exponentially Enhanced Light-Matter Interaction, Cooperativities, and Steady-State Entanglement Using Parametric Amplification. Physical Review Letters, 2018, 120, 093601.	2.9	158
8	Quantum-criticality-induced strong Kerr nonlinearities in optomechanical systems. Scientific Reports, 2013, 3, 2943.	1.6	150
9	Carrier-envelope phase-dependent effect of high-order sideband generation in ultrafast driven optomechanical system. Optics Letters, 2013, 38, 353.	1.7	94
10	Dispersive atom-field interaction scheme for three-dimensional entanglement between two spatially separated atoms. Physical Review A, 2008, 78, .	1.0	77
11	Macroscopic quantum entanglement in modulated optomechanics. Physical Review A, 2016, 94, .	1.0	76
12	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Phonon Bundle Emission via the Stokes Process. Physical Review Letters, 2020, 124, 053601.	2.9	61
13	Optomechanically induced sum sideband generation. Optics Express, 2016, 24, 5773.	1.7	59
14	Nonlinear effects in modulated quantum optomechanics. Physical Review A, 2017, 95, .	1.0	59
15	Entanglement and quantum superposition induced by a single photon. Physical Review A, 2018, 97, .	1.0	54
16	Controllable nonlinearity in a dual-coupling optomechanical system under a weak-coupling regime. Physical Review A, 2018, 97, .	1.0	42
17	Single-Photon-Triggered Quantum Phase Transition. Physical Review Applied, 2018, 9, .	1.5	39
18	Nanosecond-pulse-controlled higher-order sideband comb in a GaAs optomechanical disk resonator in the non-perturbative regime. Annals of Physics, 2014, 349, 43-54.	1.0	36

#	ARTICLE	IF	CITATIONS
19	Two-photon blockade in a cascaded cavity-quantum-electrodynamics system. <i>Physical Review A</i> , 2018, 98, .	1.0	36
20	Solitons in optomechanical arrays. <i>Optics Letters</i> , 2016, 41, 2676.	1.7	35
21	Entanglement via atomic coherence induced by two strong classical fields. <i>Physical Review A</i> , 2009, 80, .	1.0	34
22	Collective radiance effects in the ultrastrong-coupling regime. <i>Physical Review A</i> , 2019, 99, .	1.0	28
23	N-qubitW state of spatially separated single molecule magnets. <i>Optics Express</i> , 2009, 17, 14298.	1.7	27
24	Parity-Symmetry-Protected Multiphoton Bundle Emission. <i>Physical Review Letters</i> , 2021, 127, 073602.	2.9	25
25	Nonreciprocal chaos in a spinning optomechanical resonator. <i>Physical Review A</i> , 2021, 104, .	1.0	24
26	Experimental quantum simulation of superradiant phase transition beyond no-go theorem via antisqueezing. <i>Nature Communications</i> , 2021, 12, 6281.	5.8	23
27	Intermittent chaos in cavity optomechanics. <i>Physical Review A</i> , 2020, 101, .	1.0	19
28	Controllable photon and phonon localization in optomechanical Lieb lattices. <i>Optics Express</i> , 2017, 25, 17364.	1.7	17
29	Controllable chaos in hybrid electro-optomechanical systems. <i>Scientific Reports</i> , 2016, 6, 22705.	1.6	16
30	Mass sensing by quantum criticality. <i>Optics Letters</i> , 2019, 44, 630.	1.7	16
31	Coherent destruction of tunneling in a lattice array with a controllable boundary. <i>Physical Review A</i> , 2015, 91, .	1.0	14
32	Single-photon-triggered quantum chaos. <i>Physical Review A</i> , 2019, 100, .	1.0	10
33	Entanglement and excited-state quantum phase transition in an extended Dicke model. <i>Frontiers of Physics</i> , 2019, 14, 1.	2.4	9
34	Interplay of quantum phase transition and flat band in hybrid lattices. <i>Physical Review Research</i> , 2020, 2, .	1.3	9
35	Superfluidâ€Mott-insulator transition in superconducting circuits with weak anharmonicity. <i>Physical Review A</i> , 2017, 96, .	1.0	5
36	Detection of light-matter interaction in the weak-coupling regime by quantum light. <i>Physical Review A</i> , 2018, 97, .	1.0	5

#	ARTICLE	IF	CITATIONS
37	Hybrid Interference Induced Flat Band Localization in Bipartite Optomechanical Lattices. Scientific Reports, 2017, 7, 15188.	1.6	4
38	Chaosá€related Localization in Modulated Lattice Array. Annalen Der Physik, 2018, 530, 1700218.	0.9	4
39	Switchable dynamics in the deep-strong-coupling regime. Physical Review A, 2018, 98, .	1.0	4