

Peng-Bo Li

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4124826/peng-bo-li-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56
papers

795
citations

15
h-index

26
g-index

61
ext. papers

1,060
ext. citations

2.9
avg, IF

4.58
L-index

#	Paper	IF	Citations
56	Vortex-photon-spin tripartite entanglement in a hybrid quantum system. <i>Quantum Information Processing</i> , 2021 , 20, 1	1.6	0
55	Strong Two-Phonon Correlations and Bound States in the Continuum in Phononic Waveguides with Embedded SiV Centers. <i>Advanced Quantum Technologies</i> , 2021 , 4, 2100074	4.3	0
54	Enhancing spin-photon coupling with a micromagnet. <i>Physical Review A</i> , 2021 , 103,	2.6	2
53	Unconventional Quantum Sound-Matter Interactions in Spin-Optomechanical-Crystal Hybrid Systems. <i>Physical Review Letters</i> , 2021 , 126, 203601	7.4	6
52	Dissipation-assisted preparation of steady spin-squeezed states of SiV centers. <i>Physical Review A</i> , 2021 , 103,	2.6	2
51	Simulation of topological Zak phase in spin-phononic crystal networks. <i>Physical Review Research</i> , 2021 , 3,	3.9	2
50	Generation of multiparticle entangled states of nitrogen-vacancy centers with carbon nanotubes. <i>Quantum Information Processing</i> , 2020 , 19, 1	1.6	1
49	Preparing Squeezed Spin States in a Spin-Mechanical Hybrid System with Silicon-Vacancy Centers. <i>Advanced Quantum Technologies</i> , 2020 , 3, 2000034	4.3	5
48	Phononic-waveguide-assisted steady-state entanglement of silicon-vacancy centers. <i>Physical Review A</i> , 2020 , 101,	2.6	10
47	Simulation of topological phases with color center arrays in phononic crystals. <i>Physical Review Research</i> , 2020 , 2,	3.9	10
46	Enhancing Spin-Phonon and Spin-Spin Interactions Using Linear Resources in a Hybrid Quantum System. <i>Physical Review Letters</i> , 2020 , 125, 153602	7.4	23
45	Interfacing a Topological Qubit with a Spin Qubit in a Hybrid Quantum System. <i>Physical Review Applied</i> , 2019 , 11,	4.3	9
44	Multiphonon interactions between nitrogen-vacancy centers and nanomechanical resonators. <i>Physical Review A</i> , 2019 , 100,	2.6	7
43	Exponentially Enhanced Light-Matter Interaction, Cooperativities, and Steady-State Entanglement Using Parametric Amplification. <i>Physical Review Letters</i> , 2018 , 120, 093601	7.4	92
42	Hybrid Quantum System with Nitrogen-Vacancy Centers in Diamond Coupled to Surface-Phonon Polaritons in Piezomagnetic Superlattices. <i>Physical Review Applied</i> , 2018 , 10,	4.3	23
41	Preparing multiparticle entangled states of nitrogen-vacancy centers via adiabatic ground-state transitions. <i>Physical Review A</i> , 2018 , 98,	2.6	18
40	Coupling a single nitrogen-vacancy center with a superconducting qubit via the electro-optic effect. <i>Physical Review A</i> , 2018 , 97,	2.6	7

39	Quantum microwave-optical interface with nitrogen-vacancy centers in diamond. <i>Physical Review A</i> , 2017 , 96,	2.6	15
38	Preparing entangled states between two NV centers via the damping of nanomechanical resonators. <i>Scientific Reports</i> , 2017 , 7, 14116	4.9	10
37	Simulating the Lipkin-Meshkov-Glick model in a hybrid quantum system. <i>Physical Review A</i> , 2017 , 96,	2.6	12
36	Coherent frequency down-conversions and entanglement generation in a Sagnac interferometer. <i>Optics Express</i> , 2017 , 25, 16151-16170	3.3	7
35	Preparation of entangled states of microwave photons in a hybrid system via the electro-optic effect. <i>Optics Express</i> , 2017 , 25, 28305	3.3	2
34	Enhanced electromechanical coupling of a nanomechanical resonator to coupled superconducting cavities. <i>Scientific Reports</i> , 2016 , 6, 19065	4.9	12
33	Generation and replication of continuous-variable quadripartite cluster and Greenberger-Horne-Zeilinger states in four chains of superconducting transmission line resonators. <i>Physical Review A</i> , 2016 , 93,	2.6	3
32	Hybrid Quantum Device with Nitrogen-Vacancy Centers in Diamond Coupled to Carbon Nanotubes. <i>Physical Review Letters</i> , 2016 , 117, 015502	7.4	84
31	Proposal for a quantum delayed-choice experiment with a spin-mechanical setup. <i>Physical Review A</i> , 2016 , 94,	2.6	3
30	Entangling a single NV centre with a superconducting qubit via parametric couplings between photons and phonons in a hybrid system. <i>Journal of Modern Optics</i> , 2016 , 63, 2173-2179	1.1	2
29	Two-mode squeezing generation in hybrid chains of superconducting resonators and nitrogen-vacancy-center ensembles. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015 , 48, 035504	1.3	2
28	Hybrid Quantum Device Based on NV Centers in Diamond Nanomechanical Resonators Plus Superconducting Waveguide Cavities. <i>Physical Review Applied</i> , 2015 , 4,	4.3	53
27	Quantum information transfer with hybrid NV center-photon qubit encoding. <i>Journal of Modern Optics</i> , 2015 , 62, 487-492	1.1	2
26	Generation of squeezed states in coupled cavity chains via dissipation of gap-tunable qubits. <i>Physical Review A</i> , 2014 , 90,	2.6	7
25	Preparing ground states and squeezed states of nanomechanical cantilevers by fast dissipation. <i>Physical Review A</i> , 2014 , 90,	2.6	8
24	Controllable generation of two-mode-entangled states in two-resonator circuit QED with a single gap-tunable superconducting qubit. <i>Physical Review A</i> , 2014 , 90,	2.6	19
23	REALIZATION OF FAST QUANTUM INFORMATION TRANSFER AND ENTANGLEMENT WITH SUPERCONDUCTING FLUX QUBITS COUPLED TO A RESONATOR. <i>International Journal of Quantum Information</i> , 2013 , 11, 1350040	0.8	
22	Robust continuous-variable entanglement of microwave photons with cavity electromechanics. <i>Physical Review A</i> , 2013 , 88,	2.6	18

21	Dissipation-assisted generation of steady-state single-mode squeezing of collective excitations in a solid-state spin ensemble. <i>Physical Review A</i> , 2013 , 88,	2.6	23
20	Geometrical parameters controlled focusing and enhancing near field in infinite circular metal-dielectric multilayered cylinder. <i>Applied Physics Letters</i> , 2013 , 102, 123107	3.4	10
19	One-step generation of Greenberger-Horne-Zeilinger states of multi solid-state spin qubits. <i>Journal of Modern Optics</i> , 2012 , 59, 1617-1623	1.1	3
18	Engineering two-mode entangled states between two superconducting resonators by dissipation. <i>Physical Review A</i> , 2012 , 86,	2.6	23
17	Engineering two-mode continuous-variable entangled states of distant atomic spin ensembles with superconducting quantum circuits. <i>Physical Review A</i> , 2012 , 85,	2.6	8
16	Dissipative preparation of entangled states between two spatially separated nitrogen-vacancy centers. <i>Physical Review A</i> , 2012 , 85,	2.6	49
15	Engineering squeezed states of microwave radiation with circuit quantum electrodynamics. <i>Physical Review A</i> , 2011 , 83,	2.6	5
14	Deterministic generation of multiparticle entanglement in a coupled cavity-fiber system. <i>Optics Express</i> , 2011 , 19, 1207-16	3.3	17
13	Engineering two-mode squeezed states of cold atomic clouds with a superconducting stripline resonator. <i>Optics Communications</i> , 2011 , 284, 294-296	2	4
12	Quantum-information transfer with nitrogen-vacancy centers coupled to a whispering-gallery microresonator. <i>Physical Review A</i> , 2011 , 83,	2.6	56
11	Quantum interferences in four-wave mixing processes inside a cavity driven by quantized fields. <i>Chinese Physics B</i> , 2011 , 20, 054202	1.2	1
10	QUANTUM PHASE GATES WITH TRAPPED ATOMS COUPLING TO A SUPERCONDUCTING TRANSMISSION LINE RESONATOR. <i>International Journal of Quantum Information</i> , 2011 , 09, 583-591	0.8	3
9	Efficient scheme for entangled states and quantum information transfer with trapped atoms in a resonator. <i>Chinese Physics B</i> , 2011 , 20, 090304	1.2	1
8	Controlled generation of field squeezing with cold atomic clouds coupled to a superconducting transmission line resonator. <i>Physical Review A</i> , 2010 , 81,	2.6	11
7	Quantum-information transfer in a coupled resonator waveguide. <i>Physical Review A</i> , 2009 , 79,	2.6	53
6	Generation of Ising interaction and cluster states in a one-dimensional coupled resonator waveguide. <i>European Physical Journal D</i> , 2009 , 55, 205-209	1.3	8
5	Generation of two-mode entanglement between separated cavities. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 189	1.7	5
4	Fifth-order nonlinearity and 3-qubit phase gate in a five-level tripod atomic system. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008 , 25, 504	1.7	6

- | | | | |
|---|---|-----|----|
| 3 | Generation of two-mode field squeezing through selective dynamics in cavity QED. <i>Physical Review A</i> , 2008 , 77, | 2.6 | 15 |
| 2 | Effective generation of polarization-entangled photon pairs in a cavity-QED system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 5959-5963 | 2.3 | 4 |
| 1 | Dark-state polaritons for quantum memory in a five-level M-type atomic ensemble. <i>Physical Review A</i> , 2006 , 73, | 2.6 | 11 |