

Cavity-based quantum networks with single atoms and

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Quantum Process Tomography of an Optically-Controlled Kerr Non-linearity. Scientific Reports, 2015, 5, 16581.	1.6	8
2	Quantum State Engineering. Progress in Optics, 2015, 60, 1-117.	0.4	3
3	A photonâ€™ photon quantum gate based on a single atom in an optical resonator. Nature, 2016, 536, 193-196.	13.7	227
4	Quantum phase gate based on electromagnetically induced transparency in optical cavities. Physical Review A, 2016, 94, .	1.0	20
5	Modelling defect cavities formed in inverse three-dimensional rod-connected diamond photonic crystals. Europhysics Letters, 2016, 116, 64007.	0.7	7
6	Open-system many-body dynamics through interferometric measurements and feedback. Physical Review A, 2016, 94, .	1.0	10
7	Nonradiating and radiating modes excited by quantum emitters in open epsilon-near-zero cavities. Science Advances, 2016, 2, e1600987.	4.7	90
8	Actively tunable double-Fano and Ramsey-Fano resonances in photonic molecules and improved sensing performance. Physical Review A, 2016, 94, .	1.0	12
9	A new take on the slit experiment. Nature Photonics, 2016, 10, 290-291.	15.6	0
10	Momentum in metamaterials. Nature Photonics, 2016, 10, 291-293.	15.6	7
11	Suppression of single-caesium-atom heating in a microscopic optical dipole trap for demonstration of an 852-nm triggered single-photon source. Physical Review A, 2016, 94, .	1.0	9
12	Experimental creation of superposition of unknown photonic quantum states. Physical Review A, 2016, 94, .	1.0	13
13	Localization transition in the presence of cavity backaction. Physical Review A, 2016, 94, .	1.0	16
14	Deterministic nonclassicality for quantum-mechanical oscillators in thermal states. Physical Review A, 2016, 94, .	1.0	8
15	Photon Molecules in Atomic Gases Trapped Near Photonic Crystal Waveguides. Physical Review X, 2016, 6, .	2.8	39
16	Entanglement spectrum and Rényi entropies of nonrelativistic conformal fermions. Physical Review B, 2016, 94, .	1.1	8
17	Asymmetric sequential Landau-Zener dynamics of Bose-condensed atoms in a cavity. Physical Review A, 2016, 94, .	1.0	3
18	Chiral quantum optics with V-level atoms and coherent quantum feedback. Physical Review A, 2016, 94, .	1.0	43

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19	Measurement-induced long-distance entanglement of superconducting qubits using optomechanical transducers. <i>Physical Review A</i> , 2016, 94, .	1.0	26
20	Controlling spin-dependent localization and directed transport in a bipartite lattice. <i>Physical Review A</i> , 2016, 93, .	1.0	11
21	Quantum simulators based on the global collective light-matter interaction. <i>Physical Review A</i> , 2016, 93, .	1.0	28
22	Robust Quantum-Network Memory Using Decoherence-Protected Subspaces of Nuclear Spins. <i>Physical Review X</i> , 2016, 6, .	2.8	92
23	Atom-field dressed states in slow-light waveguide QED. <i>Physical Review A</i> , 2016, 93, .	1.0	137
24	Simultaneous All-Optical or and xor Logic Gates Based on the Bimodal Photonic Cavity Containing a Quantum Dot. <i>IEEE Photonics Journal</i> , 2016, 8, 1-10.	1.0	2
25	A simple and general strategy for generating frequency-anticorrelated photon pairs. <i>Scientific Reports</i> , 2016, 6, 24509.	1.6	3
26	Controllable and fast quantum-information transfer between distant nodes in two-dimensional networks. <i>Scientific Reports</i> , 2016, 6, 8.	1.6	117
27	Photonic Programmable Tele-Cloning Network. <i>Scientific Reports</i> , 2016, 6, 28903.	1.6	0
28	Bond order via light-induced synthetic many-body interactions of ultracold atoms in optical lattices. <i>New Journal of Physics</i> , 2016, 18, 113010.	1.2	17
29	Nondestructive detection of ions using atom-cavity collective strong coupling. <i>Physical Review A</i> , 2016, 94, .	1.0	8
30	Photonic quantum information processing. <i>Contemporary Physics</i> , 2016, 57, 526-544.	0.8	8
31	Quantum and Nonlinear Optics in Strongly Interacting Atomic Ensembles. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2016, , 321-372.	2.3	36
32	Interplay of classical and quantum dynamics in a thermal ensemble of atoms. <i>New Journal of Physics</i> , 2016, 18, 053022.	1.2	5
33	Interference and dynamics of light from a distance-controlled atom pair in an optical cavity. <i>Nature Photonics</i> , 2016, 10, 303-306.	15.6	64
34	Deterministic photon-atom and photon-photon interactions based on single-photon Raman interaction. , 2016, , .		0
35	An efficient numerical progressive diagonalization scheme for the quantum Rabi model revisited. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 064002.	0.7	1
36	Chiral quantum optics. <i>Nature</i> , 2017, 541, 473-480.	13.7	1,007

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37	Contactless nonlinear optics mediated by long-range Rydberg interactions. <i>Nature Physics</i> , 2017, 13, 655-658.	6.5	76
38	Generating multi-mode entangled coherent W and GHZ states via optical system based fusion mechanism. <i>Quantum Information Processing</i> , 2017, 16, 1.	1.0	3
39	Quantum networks: where should we be heading?. <i>Quantum Science and Technology</i> , 2017, 2, 020501.	2.6	26
40	All-optical switching in a continuously operated and strongly coupled atom-cavity system. <i>Applied Physics Letters</i> , 2017, 110, 121107.	1.5	10
41	Quantum State Transfer via Noisy Photonic and Phononic Waveguides. <i>Physical Review Letters</i> , 2017, 118, 133601.	2.9	100
42	Robust quantum state transfer via topologically protected edge channels in dipolar arrays. <i>Quantum Science and Technology</i> , 2017, 2, 015001.	2.6	53
43	Cavity-assisted spontaneous emission of a single $\hat{\mu}$ -type emitter as a source of single-photon packets with controlled shape. <i>Physical Review A</i> , 2017, 95, .	1.0	5
44	Ultralow-Noise Room-Temperature Quantum Memory for Polarization Qubits. <i>Physical Review Applied</i> , 2017, 8, .	1.5	31
45	Efficient quantum computation in a network with probabilistic gates and logical encoding. <i>Physical Review A</i> , 2017, 95, .	1.0	5
46	Nonlinear photon-atom coupling with 4π microscopy. <i>Nature Communications</i> , 2017, 8, 1200.	5.8	12
47	Heralded quantum gates for atomic systems assisted by the scattering of photons off single emitters. <i>Annals of Physics</i> , 2017, 387, 152-165.	1.0	5
48	Microwave photonics with superconducting quantum circuits. <i>Physics Reports</i> , 2017, 718-719, 1-102.	10.3	853
49	Single atoms coupled to a near-concentric cavity. <i>Physical Review A</i> , 2017, 96, .	1.0	6
50	Heterogeneous integration for on-chip quantum photonic circuits with single quantum dot devices. <i>Nature Communications</i> , 2017, 8, 889.	5.8	185
51	Bound state in the continuum by spatially separated ensembles of atoms in a coupled-cavity array. <i>Physical Review A</i> , 2017, 96, .	1.0	18
52	Comment on "Nondestructive light-shift measurements of single atoms in optical dipole traps". <i>Physical Review A</i> , 2017, 96, .	1.0	1
53	Optical properties of an atomic ensemble coupled to a band edge of a photonic crystal waveguide. <i>New Journal of Physics</i> , 2017, 19, 083018.	1.2	15
54	A high-fidelity memory scheme for quantum data buses. <i>Chinese Physics B</i> , 2017, 26, 090303.	0.7	1

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55	A photonic platform for donor spin qubits in silicon. <i>Science Advances</i> , 2017, 3, e1700930.	4.7	75
56	Quantum Spin Lenses in Atomic Arrays. <i>Physical Review X</i> , 2017, 7, .	2.8	12
57	Qubit-mediated deterministic nonlinear gates for quantum oscillators. <i>Scientific Reports</i> , 2017, 7, 11536.	1.6	8
58	Quantum Nonlinear Optics in Optomechanical Nanoscale Waveguides. <i>Physical Review Letters</i> , 2017, 119, 123602.	2.9	16
59	Quantum acoustics with superconducting qubits. <i>Science</i> , 2017, 358, 199-202.	6.0	284
60	Dynamics of a mesoscopic qubit ensemble coupled to a cavity: Role of collective dark states. <i>Physical Review A</i> , 2017, 96, .	1.0	7
61	Coherent Photon Manipulation in Interacting Atomic Ensembles. <i>Physical Review X</i> , 2017, 7, .	2.8	22
62	Control of optical bistability in the nonlinear regime of two-sided cavity quantum electrodynamics. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 1780.	0.9	7
63	Quantum trajectories for propagating Fock states. <i>Physical Review A</i> , 2017, 96, .	1.0	32
64	Free-Space Quantum Electrodynamics with a Single Rydberg Superatom. <i>Physical Review X</i> , 2017, 7, .	2.8	44
65	Cavity Carving of Atomic Bell States. <i>Physical Review Letters</i> , 2017, 118, 210503.	2.9	64
66	Simultaneously exciting two atoms with photon-mediated Raman interactions. <i>Physical Review A</i> , 2017, 95, .	1.0	9
67	Theory of Deterministic Entanglement Generation between Remote Superconducting Atoms. <i>Physical Review Applied</i> , 2017, 7, .	1.5	11
68	Suppressed dissipation of a quantum emitter coupled to surface plasmon polaritons. <i>Physical Review B</i> , 2017, 95, .	1.1	41
69	Coupled mode theory of microtoroidal resonators with a one-dimensional waveguide. <i>Optics Communications</i> , 2017, 402, 296-301.	1.0	0
70	Waveguide transport mediated by strong coupling with atoms. <i>Physical Review A</i> , 2017, 95, .	1.0	70
71	Cavity-enhanced room-temperature high sensitivity optical Faraday magnetometry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 129-135.	0.9	6
72	Free-Space Quantum Communication with a Portable Quantum Memory. <i>Physical Review Applied</i> , 2017, 8, .	1.5	8

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73	Changing optical band structure with single photons. <i>New Journal of Physics</i> , 2017, 19, 115002.	1.2	11
74	Fabrication of a centimeter-long cavity on nanofiber for strong-coupling regime of cavity QED. , 2017, , .		0
75	An Ultraviolet Fiber Fabry-Pérot Cavity for Florescence Collection of Trapped Ions. <i>Chinese Physics Letters</i> , 2017, 34, 013701.	1.3	6
76	Design and characterization of an integrated surface ion trap and micromirror optical cavity. <i>Applied Optics</i> , 2017, 56, 6511.	0.9	1
77	Implementation of single-photon quantum routing and decoupling using a nitrogen-vacancy center and a whispering-gallery-mode resonator-waveguide system. <i>Optics Express</i> , 2017, 25, 16931.	1.7	62
78	Dipole-dipole interactions mediated by epsilon-and-mu-near-zero waveguide supercoupling [Invited]. <i>Optical Materials Express</i> , 2017, 7, 415.	1.6	34
79	Collective strong coupling of cold atoms to an all-fiber ring cavity. <i>Optica</i> , 2017, 4, 576.	4.8	37
80	On-Chip High-Finesse Fabry-Perot Microcavities for Optical Sensing and Quantum Information. <i>Sensors</i> , 2017, 17, 1748.	2.1	44
81	Optical Nanofibers. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2017, 66, 439-505.	2.3	69
82	Small-mode-volume, channel-connected Fabry-Pérot microcavities on a chip. <i>Applied Optics</i> , 2017, 56, 9992.	0.9	10
83	Fabrication of a centimeter-long cavity on a nanofiber for cavity quantum electrodynamics. <i>Optics Letters</i> , 2017, 42, 1003.	1.7	27
84	Photonic coherent perfect transmission, absorption, and synthesis in a bimodal cavity quantum electrodynamics system. <i>Optik</i> , 2018, 161, 293-300.	1.4	1
85	Parameter regimes for a single sequential quantum repeater. <i>Quantum Science and Technology</i> , 2018, 3, 034002.	2.6	44
86	High-fidelity quantum gates on quantum-dot-confined electron spins in low-Q optical microcavities. <i>Annals of Physics</i> , 2018, 391, 150-160.	1.0	17
87	General implementation of arbitrary nonlinear quadrature phase gates. <i>Physical Review A</i> , 2018, 97, .	1.0	40
88	Quantum Optics with Near-Lifetime-Limited Quantum-Dot Transitions in a Nanophotonic Waveguide. <i>Nano Letters</i> , 2018, 18, 1801-1806.	4.5	49
89	Exponentially Enhanced Light-Matter Interaction, Cooperativities, and Steady-State Entanglement Using Parametric Amplification. <i>Physical Review Letters</i> , 2018, 120, 093601.	2.9	158
90	Deterministically swapping frequency-bin entanglement from photon-photon to atom-photon hybrid systems. <i>Physical Review A</i> , 2018, 97, .	1.0	2

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91	Multiple transparency windows and Fano interferences induced by dipole-dipole couplings. Physical Review A, 2018, 97, .	1.0	8
92	First observation of the quantized exciton-polariton field and effect of interactions on a single polariton. Science Advances, 2018, 4, eaao6814.	4.7	57
93	Analytic few-photon scattering in waveguide QED. Physical Review A, 2018, 97, .	1.0	12
94	Photon scattering from a system of multilevel quantum emitters. I. Formalism. Physical Review A, 2018, 97, .	1.0	18
95	Photon scattering from a system of multilevel quantum emitters. II. Application to emitters coupled to a one-dimensional waveguide. Physical Review A, 2018, 97, .	1.0	18
96	Magneto-optical rotation in cavity QED with Zeeman coherence. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1556-1562.	0.9	6
97	Physical approach to quantum networks with massive particles. Physical Review B, 2018, 97, .	1.1	3
98	High fidelity heralded single-photon source using cavity quantum electrodynamics. Scientific Reports, 2018, 8, 3140.	1.6	7
99	Three-dimensional cavity-assisted spontaneous emission as a single-photon source: Two cavity modes and Rabi resonance. Physical Review A, 2018, 97, .	1.0	4
100	Polarization-induced interference within electromagnetically induced transparency for atoms of double- \sqrt{V} linkage. Physical Review A, 2018, 97, .	1.0	2
101	Generation and control of optical frequency combs using cavity electromagnetically induced transparency. Physical Review A, 2018, 97, .	1.0	20
102	Fabrication of ultrahigh-precision hemispherical mirrors for quantum-optics applications. Scientific Reports, 2018, 8, 221.	1.6	5
103	Heralded entangling quantum gate via cavity-assisted photon scattering. Physical Review A, 2018, 97, .	1.0	9
104	Photon-Mediated Quantum Gate between Two Neutral Atoms in an Optical Cavity. Physical Review X, 2018, 8, .	2.8	69
105	Multiqubit subradiant states in N -port waveguide devices: μ -and- $\frac{1}{4}$ -near-zero hubs and nonreciprocal circulators. Physical Review A, 2018, 97, .	1.0	18
106	Polarization nondegenerate fiber Fabry-Perot cavities with large tunable splittings. Applied Physics Letters, 2018, 112, .	1.5	9
107	Theory of a Quantum Scanning Microscope for Cold Atoms. Physical Review Letters, 2018, 120, 133601.	2.9	28
108	Optical Switch Based on Dressed Intracavity Dark States. Annalen Der Physik, 2018, 530, 1700427.	0.9	2

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109	Quantum non-demolition detection of an itinerant microwave photon. <i>Nature Physics</i> , 2018, 14, 546-549.	6.5	109
110	Quantum-dot based photonic quantum networks. <i>Quantum Science and Technology</i> , 2018, 3, 013001.	2.6	108
111	Vacuum-induced quantum memory in an opto-electromechanical system. <i>Optics Communications</i> , 2018, 410, 102-107.	1.0	4
112	Entanglement between atomic thermal states and coherent or squeezed photons in a damping cavity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 492, 472-484.	1.2	3
113	Operating a near-concentric cavity at the last stable resonance. <i>Physical Review A</i> , 2018, 98, .	1.0	13
114	Exploring unresolved sideband, optomechanical strong coupling using a single atom coupled to a cavity. <i>New Journal of Physics</i> , 2018, 20, 083004.	1.2	10
115	Inelastic Resonant Transmission of a Single Photon Through Optical Cavities with the Amplitude Approaching Unity. , 2018, , .		0
116	Optimal design of diamond-air microcavities for quantum networks using an analytical approach. <i>New Journal of Physics</i> , 2018, 20, 115004.	1.2	17
117	Scaling Phononic Quantum Networks of Solid-State Spins with Closed Mechanical Subsystems. <i>Physical Review X</i> , 2018, 8, .	2.8	46
118	Creating a switchable optical cavity with controllable quantum-state mapping between two modes. <i>Scientific Reports</i> , 2018, 8, 14740.	1.6	6
119	Near optimal discrimination of binary coherent signals via atomâ€“light interaction. <i>New Journal of Physics</i> , 2018, 20, 043005.	1.2	14
120	Optimal storage of a single photon by a single intra-cavity atom. <i>New Journal of Physics</i> , 2018, 20, 105009.	1.2	31
121	Cavity-controlled formation of ultracold molecules. <i>New Journal of Physics</i> , 2018, 20, 123015.	1.2	11
122	All-optical active control of photon correlations: Dressed-state-assisted quantum interference effects. <i>Physical Review A</i> , 2018, 98, .	1.0	12
123	Deterministic Free-Space Source of Single Photons Using Rydberg Atoms. <i>Physical Review Letters</i> , 2018, 121, 123605.	2.9	23
124	A multitasking device based on electromagnetically induced transparency in optical cavities. <i>Quantum Information Processing</i> , 2018, 17, 1.	1.0	3
125	Hybrid two-qubit gate using a circuit QED system with a triple-leg stripline resonator. <i>Physical Review A</i> , 2018, 98, .	1.0	3
126	Non-Markovian Master Equation for Distant Resonators Embedded in a One-Dimensional Waveguide. <i>Communications in Theoretical Physics</i> , 2018, 70, 273.	1.1	4

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127	Free-space photonic quantum link and chiral quantum optics. <i>Physical Review A</i> , 2018, 98, .	1.0	57
128	Quantum internet: A vision for the road ahead. <i>Science</i> , 2018, 362, .	6.0	1,098
129	Few-photon scattering and emission from low-dimensional quantum systems. <i>Physical Review B</i> , 2018, 98, .	1.1	34
130	Observation of Three-Body Correlations for Photons Coupled to a Rydberg Superatom. <i>Physical Review Letters</i> , 2018, 121, 103601.	2.9	30
131	Increased atom-cavity coupling and stability using a parabolic ring cavity. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 195002.	0.6	6
132	Optomechanical entanglement of remote microwave cavities. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 2509.	0.9	5
133	Enabling Lasing Action in Hybrid Atomic–Nanophotonic Integrated Structures. <i>Annalen Der Physik</i> , 2018, 530, 1800203.	0.9	1
134	Superconducting metamaterials for waveguide quantum electrodynamics. <i>Nature Communications</i> , 2018, 9, 3706.	5.8	81
135	Photon-number dependent cavity vacuum induced transparency and single photon separation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 3156-3164.	0.9	0
136	Tunable SNAP microresonators via internal ohmic heating. <i>Optics Letters</i> , 2018, 43, 4316.	1.7	18
137	Relative resilience to noise of standard and sequential approaches to measurement-based quantum computation. <i>Physical Review A</i> , 2018, 97, .	1.0	1
138	Generation of single- and two-mode multiphoton states in waveguide QED. <i>Physical Review A</i> , 2018, 97, .	1.0	8
139	Scattering of a single photon in a one-dimensional coupled resonator waveguide with a $\hat{\sigma}$ -type emitter assisted by an additional cavity. <i>Chinese Physics B</i> , 2018, 27, 054206.	0.7	3
140	Deterministic nonlinear phase gates induced by a single qubit. <i>New Journal of Physics</i> , 2018, 20, 053022.	1.2	13
141	Nanofiber quantum photonics. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 073001.	1.0	83
142	Increased dimensionality of Raman cooling in a slightly nonorthogonal optical lattice. <i>Physical Review A</i> , 2018, 98, .	1.0	3
143	Reaching the optomechanical strong-coupling regime with a single atom in a cavity. <i>Physical Review A</i> , 2018, 97, .	1.0	21
144	Observation of efficient sub-Doppler cooling under a nonzero magnetic field in a moving optical lattice. <i>Physical Review A</i> , 2018, 97, .	1.0	1

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145	<i>Colloquium</i> : Quantum matter built from nanoscopic lattices of atoms and photons. Reviews of Modern Physics, 2018, 90, .	16.4	292
146	Controlling multiple-dipole interactions mediated by nanophotonic structures and their application in W state generation. Optics Express, 2018, 26, 2720.	1.7	1
147	Cooperativity enhancement in buckled-dome microcavities with omnidirectional claddings. Optics Express, 2018, 26, 11201.	1.7	5
148	Tailoring a nanofiber for enhanced photon emission and coupling efficiency from single quantum emitters. Optics Letters, 2018, 43, 1674.	1.7	18
149	Localization of light in an optical microcapillary induced by a droplet. Optica, 2018, 5, 382.	4.8	21
150	On-demand entanglement could lead to scalable quantum networks. Nature, 2018, 558, 192-193.	13.7	3
151	Quantum phase gate based on multiphoton process in multimode cavity QED. Quantum Information Processing, 2018, 17, 1.	1.0	8
152	Universal photonic three-qubit quantum gates with two degrees of freedom assisted by charged quantum dots inside single-sided optical microcavities. Laser Physics, 2018, 28, 095201.	0.6	22
153	Tunable bandwidth and nonlinearities in an atom-photon interface with subradiant states. Physical Review A, 2018, 98, .	1.0	4
154	Tumour tamed by transfer of one T cell. Nature, 2018, 558, 193-195.	13.7	2
155	Generation of photonic Cooper pairs in nanoscale optomechanical waveguides. Physical Review A, 2018, 98, .	1.0	4
156	Continuous parametric feedback cooling of a single atom in an optical cavity. Physical Review A, 2018, 97, .	1.0	4
157	Influence of disorder on electromagnetically induced transparency in chiral waveguide quantum electrodynamics. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1149.	0.9	19
158	Photon transport mediated by an atomic chain trapped along a photonic crystal waveguide. Physical Review A, 2018, 98, .	1.0	38
159	Optically induced phonon blockade in an optomechanical system with second-order nonlinearity. Physical Review A, 2018, 98, .	1.0	34
160	Quantum memory and gates using a $\hat{\rho}$ -type quantum emitter coupled to a chiral waveguide. Physical Review A, 2018, 97, .	1.0	67
161	Deterministic quantum state transfer and remote entanglement using microwave photons. Nature, 2018, 558, 264-267.	13.7	175
162	Deterministic delivery of remote entanglement on a quantum network. Nature, 2018, 558, 268-273.	13.7	348

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163	Strong coupling between photons of two light fields mediated by one atom. <i>Nature Physics</i> , 2018, 14, 885-889.	6.5	22
164	Transport and entanglement for single photons in optical waveguide ladders. <i>Physical Review A</i> , 2019, 100, .	1.0	12
165	Quantum Networks with Deterministic Spin-Photon Interfaces. <i>Advanced Quantum Technologies</i> , 2019, 2, 1800091.	1.8	51
166	Phase-Dependent Quantum Correlation in a Cavity-Atom System. <i>Annalen Der Physik</i> , 2019, 531, 1900159.	0.9	1
167	Multiple Fano interferences due to waveguide-mediated phase coupling between atoms. <i>Physical Review A</i> , 2019, 100, .	1.0	27
168	Ultrastrong coupling probed by Coherent Population Transfer. <i>Scientific Reports</i> , 2019, 9, 9249.	1.6	15
169	Optimization of a magneto-optic trap using nanofibers. <i>Chinese Physics B</i> , 2019, 28, 073701.	0.7	3
170	Towards a realization of device-independent quantum key distribution. <i>Quantum Science and Technology</i> , 2019, 4, 035011.	2.6	34
171	Cavity Dark Mode of Distant Coupled Atom-Cavity Systems. <i>Physical Review Letters</i> , 2019, 122, 253603.	2.9	18
172	Towards long-distance quantum networks with superconducting processors and optical links. <i>Quantum Science and Technology</i> , 2019, 4, 045003.	2.6	16
173	Mahaux-Weidenmüller approach to cavity quantum electrodynamics and complete resonant down-conversion of the single-photon frequency. <i>Physical Review A</i> , 2019, 100, .	1.0	6
174	A scalable quantum computing platform using symmetric-top molecules. <i>New Journal of Physics</i> , 2019, 21, 093049.	1.2	62
175	Towards Large-Scale Quantum Networks. , 2019, , .		59
176	Quantum Network Nodes Based on Diamond Qubits with an Efficient Nanophotonic Interface. <i>Physical Review Letters</i> , 2019, 123, 183602.	2.9	133
177	Resource-efficient analyzer of Bell and Greenberger-Horne-Zeilinger states of multiphoton systems. <i>Physical Review A</i> , 2019, 100, .	1.0	21
178	An integrated nanophotonic quantum register based on silicon-vacancy spins in diamond. <i>Physical Review B</i> , 2019, 100, .	1.1	111
179	Microelectromechanical-System-Based Design of a High-Finesse Fiber Cavity Integrated with an Ion Trap. <i>Physical Review Applied</i> , 2019, 12, .	1.5	11
180	Microwave to optical conversion with atoms on a superconducting chip. <i>New Journal of Physics</i> , 2019, 21, 073033.	1.2	34

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181	Vacuum radiation and frequency-mixing in linear light-matter systems. <i>Journal of Physics Communications</i> , 2019, 3, 065012.	0.5	4
182	Enhanced photon antibunching via interference effects in a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi mathvariant="normal"} \rangle \hat{P} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ configuration. <i>Physical Review A</i> , 2019, 100, .	1.0	17
183	Input-Output Theory with Quantum Pulses. <i>Physical Review Letters</i> , 2019, 123, 123604.	2.9	62
184	Semideterministic Entanglement between a Single Photon and an Atomic Ensemble. <i>Physical Review Letters</i> , 2019, 123, 140504.	2.9	18
185	Deterministic Shaping and Reshaping of Single-Photon Temporal Wave Functions. <i>Physical Review Letters</i> , 2019, 123, 133602.	2.9	39
186	Geometrically asymmetric optical cavity for strong atom-photon coupling. <i>Physical Review A</i> , 2019, 99, .	1.0	17
187	Deterministic creation of entangled atomâ€‘light SchrÃ¶dinger-cat states. <i>Nature Photonics</i> , 2019, 13, 110-115.	15.6	129
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