

Franco Nori

List of Publications by Year in descending order

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Version: 2024-02-01

845
papers

70,381
citations

807

118
h-index

1109

231
g-index

858
all docs

858
docs citations

858
times ranked

29486
citing authors

#	ARTICLE	IF	CITATIONS
1	Transverse shifts and time delays of spatiotemporal vortex pulses reflected and refracted at a planar interface. <i>Nanophotonics</i> , 2022, 11, 737-744.	2.9	22
2	Field theory spin and momentum in water waves. <i>Science Advances</i> , 2022, 8, eabm1295.	4.7	25
3	Canonical derivation of the fermionic influence superoperator. <i>Physical Review B</i> , 2022, 105, .	1.1	8
4	Matrix-Model Simulations Using Quantum Computing, Deep Learning, and Lattice Monte Carlo. <i>PRX Quantum</i> , 2022, 3, .	3.5	17
5	Quantum Squeezing Induced Optical Nonreciprocity. <i>Physical Review Letters</i> , 2022, 128, 083604.	2.9	53
6	Revealing higher-order light and matter energy exchanges using quantum trajectories in ultrastrong coupling. <i>Physical Review A</i> , 2022, 105, .	1.0	5
7	Topological dissipation in a time-multiplexed photonic resonator network. <i>Nature Physics</i> , 2022, 18, 442-449.	6.5	58
8	Nonadiabatic geometric quantum computation with cat-state qubits via invariant-based reverse engineering. <i>Physical Review Research</i> , 2022, 4, .	1.3	43
9	Gauge-independent emission spectra and quantum correlations in the ultrastrong coupling regime of open system cavity-QED. <i>Nanophotonics</i> , 2022, 11, 1573-1590.	2.9	18
10	Steady-State Heat Transport and Work With a Single Artificial Atom Coupled to a Waveguide: Emission Without External Driving. <i>PRX Quantum</i> , 2022, 3, .	3.5	7
11	Regimes of cavity QED under incoherent excitation: From weak to deep strong coupling. <i>Physical Review Research</i> , 2022, 4, .	1.3	12
12	Deterministic one-way logic gates on a cloud quantum computer. <i>Physical Review A</i> , 2022, 105, .	1.0	7
13	Metrological Characterization of Non-Gaussian Entangled States of Superconducting Qubits. <i>Physical Review Letters</i> , 2022, 128, 150501.	2.9	20
14	Unraveling the topology of dissipative quantum systems. <i>Physical Review Research</i> , 2022, 4, .	1.3	7
15	Einstein's quantum elevator: Hermitization of non-Hermitian Hamiltonians via a generalized vielbein formalism. <i>Physical Review Research</i> , 2022, 4, .	1.3	21
16	Quantifying Quantumness of Channels Without Entanglement. <i>PRX Quantum</i> , 2022, 3, .	3.5	16
17	Exceptional Photon Blockade: Engineering Photon Blockade with Chiral Exceptional Points. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	28
18	Multipartite entanglement of the topologically ordered state in a perturbed toric code. <i>Physical Review Research</i> , 2022, 4, .	1.3	5

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19	Nonreciprocal Single-Photon Band Structure. <i>Physical Review Letters</i> , 2022, 128, .	2.9	28
20	Cooper-Pair Box Coupled to Two Resonators: An Architecture for a Quantum Refrigerator. <i>Physical Review Applied</i> , 2022, 17, .	1.5	13
21	Estimating the Euclidean quantum propagator with deep generative modeling of Feynman paths. <i>Physical Review B</i> , 2022, 105, .	1.1	6
22	Entanglement dynamics in anti- PT -symmetric systems. <i>Physical Review Research</i> , 2022, 4, .	1.3	6
23	Transverse spinning of unpolarized light. <i>Nature Photonics</i> , 2021, 15, 156-161.	15.6	82
24	Shortcuts to Adiabaticity for the Quantum Rabi Model: Efficient Generation of Giant Entangled Cat States via Parametric Amplification. <i>Physical Review Letters</i> , 2021, 126, 023602.	2.9	88
25	Bilayer graphene can become a fractional metal. <i>Physical Review B</i> , 2021, 103, .	1.1	6
26	Phase-Controlled Pathway Interferences and Switchable Fast-Slow Light in a Cavity-Magnon Polariton System. <i>Physical Review Applied</i> , 2021, 15, .	1.5	29
27	All-optical reversible single-photon isolation at room temperature. <i>Science Advances</i> , 2021, 7, .	4.7	41
28	Exceptional Point and Cross-Relaxation Effect in a Hybrid Quantum System. <i>PRX Quantum</i> , 2021, 2, .	3.5	43
29	Gauge freedom, quantum measurements, and time-dependent interactions in cavity QED. <i>Physical Review Research</i> , 2021, 3, .	1.3	20
30	Topology-Enhanced Nonreciprocal Scattering and Photon Absorption in a Waveguide. <i>Physical Review Applied</i> , 2021, 15, .	1.5	23
31	Fundamental limits for reciprocal and nonreciprocal non-Hermitian quantum sensing. <i>Physical Review A</i> , 2021, 103, .	1.0	27
32	Solving quasiparticle band spectra of real solids using neural-network quantum states. <i>Communications Physics</i> , 2021, 4, .	2.0	19
33	Dissipative state transfer and Maxwell's demon in single quantum trajectories: Excitation transfer between two noninteracting qubits via unbalanced dissipation rates. <i>Physical Review A</i> , 2021, 103, .	1.0	7
34	Unconventional Quantum Sound-Matter Interactions in Spin-Optomechanical-Crystal Hybrid Systems. <i>Physical Review Letters</i> , 2021, 126, 203601.	2.9	28
35	Gauge principle and gauge invariance in two-level systems. <i>Physical Review A</i> , 2021, 103, .	1.0	14
36	Domino cooling of a coupled mechanical-resonator chain via cold-damping feedback. <i>Physical Review A</i> , 2021, 103, .	1.0	26

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37	Generating and detecting entangled cat states in dissipatively coupled degenerate optical parametric oscillators. <i>Physical Review A</i> , 2021, 104, .	1.0	12
38	Polarization singularities and Möbius strips in sound and water-surface waves. <i>Physics of Fluids</i> , 2021, 33, .	1.6	10
39	Generating high-order quantum exceptional points in synthetic dimensions. <i>Physical Review A</i> , 2021, 104, .	1.0	21
40	Experimental demonstration of one-shot coherence distillation: realizing N-dimensional strictly incoherent operations. <i>Optica</i> , 2021, 8, 1003.	4.8	10
41	Resonant Raman scattering of single molecules under simultaneous strong cavity coupling and ultrastrong optomechanical coupling in plasmonic resonators: Phonon-dressed polaritons. <i>Physical Review B</i> , 2021, 104, .	1.1	15
42	Symmetries and conserved quantities of boundary time crystals in generalized spin models. <i>Physical Review B</i> , 2021, 104, .	1.1	23
43	The NV metamaterial: Tunable quantum hyperbolic metamaterial using nitrogen vacancy centers in diamond. <i>Physical Review B</i> , 2021, 104, .	1.1	13
44	Purifying Deep Boltzmann Machines for Thermal Quantum States. <i>Physical Review Letters</i> , 2021, 127, 060601.	2.9	12
45	Generating Long-Lived Macroscopically Distinct Superposition States in Atomic Ensembles. <i>Physical Review Letters</i> , 2021, 127, 093602.	2.9	47
46	Quantum steering as a witness of quantum scrambling. <i>Physical Review A</i> , 2021, 104, .	1.0	6
47	Work statistics in non-Hermitian evolutions with Hermitian endpoints. <i>Physical Review E</i> , 2021, 104, 034107.	0.8	5
48	Quantum State Tomography with Conditional Generative Adversarial Networks. <i>Physical Review Letters</i> , 2021, 127, 140502.	2.9	58
49	Fast binomial-code holonomic quantum computation with ultrastrong light-matter coupling. <i>Physical Review Research</i> , 2021, 3, .	1.3	27
50	Classification and reconstruction of optical quantum states with deep neural networks. <i>Physical Review Research</i> , 2021, 3, .	1.3	25
51	Tunable Chiral Bound States with Giant Atoms. <i>Physical Review Letters</i> , 2021, 126, 043602.	2.9	79
52	Active particle diffusion in convection roll arrays. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11944-11953.	1.3	9
53	Experimental demonstration of coherence flow in PT- and anti-PT-symmetric systems. <i>Communications Physics</i> , 2021, 4, .	2.0	17
54	General Bound on the Performance of Counter-Diabatic Driving Acting on Dissipative Spin Systems. <i>Physical Review Letters</i> , 2021, 127, 150401.	2.9	11

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55	Significant enhancement in refrigeration and entanglement in auxiliary-cavity-assisted optomechanical systems. <i>Physical Review A</i> , 2021, 104, .	1.0	26
56	Hidden nonmacrorealism: Reviving the Leggett-Garg inequality with stochastic operations. <i>Physical Review Research</i> , 2021, 3, .	1.3	0
57	Two-level systems with periodic N -step driving fields: Exact dynamics and quantum state manipulations. <i>Physical Review A</i> , 2021, 104, .	1.0	16
58	Higher-Order Weyl-Exceptional-Ring Semimetals. <i>Physical Review Letters</i> , 2021, 127, 196801.	2.9	32
59	Particle-like topologies in light. <i>Nature Communications</i> , 2021, 12, 6785.	5.8	67
60	Optomechanical dynamics in the PT - and broken- PT -symmetric regimes. <i>Physical Review A</i> , 2021, 104, .	1.0	20
61	n -photon blockade with an n -photon parametric drive. <i>Physical Review A</i> , 2021, 104, .	1.0	15
62	Continuous dissipative phase transitions with or without symmetry breaking. <i>New Journal of Physics</i> , 2021, 23, 122001.	1.2	13
63	Dissipative Topological Phase Transition with Strong System-Environment Coupling. <i>Physical Review Letters</i> , 2021, 127, 250402.	2.9	17
64	Liouvillian spectral collapse in the Scully-Lamb laser model. <i>Physical Review Research</i> , 2021, 3, .	1.3	12
65	Jump-time unraveling of Markovian open quantum systems. <i>Physical Review A</i> , 2021, 104, .	1.0	4
66	Analog of a Quantum Heat Engine Using a Single-Spin Qubit. <i>Physical Review Letters</i> , 2020, 125, 166802.	2.9	57
67	Enhancing Spin-Phonon and Spin-Spin Interactions Using Linear Resources in a Hybrid Quantum System. <i>Physical Review Letters</i> , 2020, 125, 153602.	2.9	63
68	Detecting non-Markovianity via quantified coherence: theory and experiments. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	24
69	Nonreciprocal ground-state cooling of multiple mechanical resonators. <i>Physical Review A</i> , 2020, 102, .	1.0	82
70	Spin density wave and electron nematicity in magic-angle twisted bilayer graphene. <i>Physical Review B</i> , 2020, 102, .	1.1	18
71	Edge modes in two-dimensional electromagnetic slab waveguides: Analogs of acoustic plasmons. <i>Physical Review B</i> , 2020, 102, .	1.1	13
72	Waveguide quantum electrodynamics with superconducting artificial giant atoms. <i>Nature</i> , 2020, 583, 775-779.	13.7	147

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73	Tunable optomechanically induced transparency by controlling the dark-mode effect. <i>Physical Review A</i> , 2020, 102, .	1.0	55
74	Inverse Solidification Induced by Active Janus Particles. <i>Advanced Functional Materials</i> , 2020, 30, 2003851.	7.8	19
75	Topological quantum phase transitions retrieved through unsupervised machine learning. <i>Physical Review B</i> , 2020, 102, .	1.1	54
76	Landau-Zener-Stückelberg-Majorana interferometry of a superconducting qubit in front of a mirror. <i>Physical Review B</i> , 2020, 102, .	1.1	20
77	Janus Particles: Inverse Solidification Induced by Active Janus Particles (<i>Adv. Funct. Mater.</i> 39/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070260.	7.8	1
78	Scalable quantum computer with superconducting circuits in the ultrastrong coupling regime. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	42
79	Experimental demonstration of measurement-device-independent measure of quantum steering. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	24
80	Dissipation-induced bistability in the two-photon Dicke model. <i>Scientific Reports</i> , 2020, 10, 13408.	1.6	20
81	Gauge invariance of the Dicke and Hopfield models. <i>Physical Review A</i> , 2020, 102, .	1.0	26
82	Breaking Anti-PT Symmetry by Spinning a Resonator. <i>Nano Letters</i> , 2020, 20, 7594-7599.	4.5	103
83	Louvillian exceptional points of any order in dissipative linear bosonic systems: Coherence functions and switching between PT and anti- PT symmetries. <i>Physical Review A</i> , 2020, 102, .	1.0	39
84	Simulating ultrastrong-coupling processes breaking parity conservation in Jaynes-Cummings systems. <i>Physical Review A</i> , 2020, 102, .	1.0	18
85	Eigenstate extraction with neural-network tomography. <i>Physical Review A</i> , 2020, 102, .	1.0	21
86	How Radiation Propagates in Random Media: Spatial Structure of Transmission Eigenchannels. , 2020, , .		0
87	Experimental test of non-macrorealistic cat states in the cloud. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	36
88	Effect of disorder on the transverse magnetoresistance of Weyl semimetals. <i>Physical Review B</i> , 2020, 102, .	1.1	10
89	Atoms in separated resonators can jointly absorb a single photon. <i>Scientific Reports</i> , 2020, 10, 21660.	1.6	6
90	Spin squeezing by one-photon two-atom excitation processes in atomic ensembles. <i>Physical Review A</i> , 2020, 101, .	1.0	20

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91	Validity of mean-field theory in a dissipative critical system: Liouvillian gap, $\langle \text{PT} \rangle$ -symmetric antigap, and permutational symmetry in the $\langle X \rangle \langle Y \rangle \langle Z \rangle$ model. Physical Review B, 2020, 101, .	1.1	37
92	Observing Information Backflow from Controllable Non-Markovian Multichannels in Diamond. Physical Review Letters, 2020, 124, 210502.	2.9	26
93	Acoustic versus electromagnetic field theory: scalar, vector, spinor representations and the emergence of acoustic spin. New Journal of Physics, 2020, 22, 053050.	1.2	32
94	Implementing a multi-target-qubit controlled-not gate with logical qubits outside a decoherence-free subspace and its application in creating quantum entangled states. Physical Review A, 2020, 101, .	1.0	14
95	Enhanced motility in a binary mixture of active nano/microswimmers. Nanoscale, 2020, 12, 9717-9726.	2.8	14
96	Hybrid-Liouvillian formalism connecting exceptional points of non-Hermitian Hamiltonians and Liouvillians via postselection of quantum trajectories. Physical Review A, 2020, 101, .	1.0	58
97	Probing dynamical phase transitions with a superconducting quantum simulator. Science Advances, 2020, 6, eaba4935.	4.7	80
98	Projecting an ultra-strongly-coupled system in a non-energy-eigenbasis with a driven nonlinear resonator. Scientific Reports, 2020, 10, 1751.	1.6	3
99	N -Phonon Bundle Emission via the Stokes Process. Physical Review Letters, 2020, 124, 053601.	2.9	61
100	Collectively induced exceptional points of quantum emitters coupled to nanoparticle surface plasmons. Physical Review A, 2020, 101, .	1.0	16
101	Quantum and semiclassical exceptional points of a linear system of coupled cavities with losses and gain within the Scully-Lamb laser theory. Physical Review A, 2020, 101, .	1.0	37
102	Topologically Protected Quantum Coherence in a Superatom. Physical Review Letters, 2020, 124, 023603.	2.9	33
103	Quantum reinforcement learning during human decision-making. Nature Human Behaviour, 2020, 4, 294-307.	6.2	66
104	Anisotropic Exclusion Effect between Photocatalytic Ag/AgCl Janus Particles and Passive Beads in a Dense Colloidal Matrix. Langmuir, 2020, 36, 7091-7099.	1.6	17
105	Shortcuts to Adiabatic Pumping in Classical Stochastic Systems. Physical Review Letters, 2020, 124, 150603.	2.9	25
106	Non-Hermitian topological Mott insulators in one-dimensional fermionic superlattices. Physical Review B, 2020, 102, .	1.1	47
107	Knotted polarizations and spin in three-dimensional polychromatic waves. Physical Review Research, 2020, 2, .	1.3	21
108	Thomasâ€Reicheâ€Kuhn (TRK) sum rule for interacting photons. Nanophotonics, 2020, 10, 465-476.	2.9	10

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109	Strong spin squeezing induced by weak squeezing of light inside a cavity. <i>Nanophotonics</i> , 2020, 9, 4853-4868.	2.9	27
110	Gauge-Independent Emission Spectra in the Ultrastrong Coupling Regime. , 2020, , .		0
111	Nonreciprocal propagation of light in a chiral optical cross-Kerr nonlinear medium. , 2020, , .		2
112	Speeding up a quantum refrigerator via counterdiabatic driving. <i>Physical Review B</i> , 2019, 100, .	1.1	31
113	Single-photon-triggered quantum chaos. <i>Physical Review A</i> , 2019, 100, .	1.0	10
114	Conversion of mechanical noise into correlated photon pairs: Dynamical Casimir effect from an incoherent mechanical drive. <i>Physical Review A</i> , 2019, 100, .	1.0	24
115	Klein-Gordon Representation of Acoustic Waves and Topological Origin of Surface Acoustic Modes. <i>Physical Review Letters</i> , 2019, 123, 054301.	2.9	30
116	Topological band theory for non-Hermitian systems from the Dirac equation. <i>Physical Review B</i> , 2019, 100, .	1.1	50
117	Modelling the ultra-strongly coupled spin-boson model with unphysical modes. <i>Nature Communications</i> , 2019, 10, 3721.	5.8	57
118	Proposal to test quantum wave-particle superposition on massive mechanical resonators. <i>Npj Quantum Information</i> , 2019, 5, .	2.8	28
119	Ultradense Tailored Vortex Pinning Arrays in Superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Thin Films Created by Focused He Ion Beam Irradiation for Fluxonics Applications. <i>ACS Applied Nano Materials</i> , 2019, 2, 5108-5115.	2.4	21
120	Many-body effects in twisted bilayer graphene at low twist angles. <i>Physical Review B</i> , 2019, 100, .	1.1	31
121	Fast and high-fidelity generation of steady-state entanglement using pulse modulation and parametric amplification. <i>Physical Review A</i> , 2019, 100, .	1.0	29
122	Chaotic synchronization of two optical cavity modes in optomechanical systems. <i>Scientific Reports</i> , 2019, 9, 15874.	1.6	10
123	Resource-efficient analyzer of Bell and Greenberger-Horne-Zeilinger states of multiphoton systems. <i>Physical Review A</i> , 2019, 100, .	1.0	21
124	Accessing the bath information in open quantum systems with the stochastic c-number Langevin equation method. <i>Physical Review A</i> , 2019, 100, .	1.0	4
125	Acoustic Radiation Force and Torque on Small Particles as Measures of the Canonical Momentum and Spin Densities. <i>Physical Review Letters</i> , 2019, 123, 183901.	2.9	63
126	Quantifying the nonclassicality of pure dephasing. <i>Nature Communications</i> , 2019, 10, 3794.	5.8	37

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127	Time-Domain Grating with a Periodically Driven Qutrit. <i>Physical Review Applied</i> , 2019, 11, .	1.5	20
128	Interaction of Mechanical Oscillators Mediated by the Exchange of Virtual Photon Pairs. <i>Physical Review Letters</i> , 2019, 122, 030402.	2.9	54
129	Quantum Interferometry with a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">g \rangle$ -Factor-Tunable Spin Qubit. <i>Physical Review Letters</i> , 2019, 122, 207703.	2.9	25
130	Resolution of gauge ambiguities in ultrastrong-coupling cavity quantum electrodynamics. <i>Nature Physics</i> , 2019, 15, 803-808.	6.5	131
131	Spin and orbital angular momenta of acoustic beams. <i>Physical Review B</i> , 2019, 99, .	1.1	92
132	Experimental demonstration of quantum walks with initial superposition states. <i>Npj Quantum Information</i> , 2019, 5, .	2.8	18
133	Multielectron Ground State Electroluminescence. <i>Physical Review Letters</i> , 2019, 122, 190403.	2.9	12
134	Nonlinear response in a noncentrosymmetric topological insulator. <i>Physical Review B</i> , 2019, 99, .	1.1	5
135	Active diffusion limited reactions. <i>Journal of Chemical Physics</i> , 2019, 150, 154902.	1.2	6
136	Scully-Lamb quantum laser model for parity-time-symmetric whispering-gallery microcavities: Gain saturation effects and nonreciprocity. <i>Physical Review A</i> , 2019, 99, .	1.0	43
137	Strongly correlated quantum walks with a 12-qubit superconducting processor. <i>Science</i> , 2019, 364, 753-756.	6.0	169
138	Universality of eigenchannel structures in dimensional crossover. <i>Physical Review B</i> , 2019, 99, .	1.1	7
139	Parity-time symmetry and exceptional points in photonics. <i>Nature Materials</i> , 2019, 18, 783-798.	13.3	940
140	Broad-band negative refraction via simultaneous multi-electron transitions. <i>Journal of Physics Communications</i> , 2019, 3, 015010.	0.5	1
141	Disorder-Robust Entanglement Transport. <i>Physical Review Letters</i> , 2019, 122, 066601.	2.9	13
142	Second-Order Topological Phases in Non-Hermitian Systems. <i>Physical Review Letters</i> , 2019, 122, 076801.	2.9	332
143	Parity-Time-Symmetric Optics, Extraordinary Momentum and Spin in Evanescent Waves, Optical Analog of Topological Insulators, and the Quantum Spin Hall Effect of Light. , 2019, , .		0
144	Emission of photon pairs by mechanical stimulation of the squeezed vacuum. <i>Physical Review A</i> , 2019, 100, .	1.0	48

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145	Two-photon blockade and photon-induced tunneling generated by squeezing. <i>Physical Review A</i> , 2019, 100, .	1.0	44
146	Quantum interference capacitor based on double-passage Landau-Zener-Stückelberg-Majorana interferometry. <i>Physical Review B</i> , 2019, 100, .	1.1	11
147	Vanishing and Revival of Resonance Raman Scattering. <i>Physical Review Letters</i> , 2019, 123, 223202.	2.9	35
148	Large Collective Lamb Shift of Two Distant Superconducting Artificial Atoms. <i>Physical Review Letters</i> , 2019, 123, 233602.	2.9	53
149	Quantum exceptional points of non-Hermitian Hamiltonians and Liouvillians: The effects of quantum jumps. <i>Physical Review A</i> , 2019, 100, .	1.0	172
150	Non-Hermitian Hamiltonians and no-go theorems in quantum information. <i>Physical Review A</i> , 2019, 100, .	1.0	65
151	Unconventional cavity optomechanics: Nonlinear control of phonons in the acoustic quantum vacuum. <i>Physical Review A</i> , 2019, 100, .	1.0	19
152	Ideal Quantum Nondemolition Readout of a Flux Qubit without Purcell Limitations. <i>Physical Review Applied</i> , 2019, 12, .	1.5	23
153	Securing quantum networking tasks with multipartite Einstein-Podolsky-Rosen steering. <i>Physical Review A</i> , 2019, 99, .	1.0	21
154	Transverse spin and surface waves in acoustic metamaterials. <i>Physical Review B</i> , 2019, 99, .	1.1	56
155	Ultrastrong coupling between light and matter. <i>Nature Reviews Physics</i> , 2019, 1, 19-40.	11.9	916
156	Quantum Bits with Josephson Junctions. <i>Springer Series in Materials Science</i> , 2019, , 703-741.	0.4	32
157	Topological non-Hermitian origin of surface Maxwell waves. <i>Nature Communications</i> , 2019, 10, 580.	5.8	98
158	Spin-Hall effect of light at a tilted polarizer. <i>Optics Letters</i> , 2019, 44, 4781.	1.7	41
159	Holonomic surface codes for fault-tolerant quantum computation. <i>Physical Review A</i> , 2018, 97, .	1.0	37
160	Einstein-Podolsky-Rosen steering: Its geometric quantification and witness. <i>Physical Review A</i> , 2018, 97, .	1.0	28
161	Nonperturbative Dynamical Casimir Effect in Optomechanical Systems: Vacuum Casimir-Rabi Splittings. <i>Physical Review X</i> , 2018, 8, .	2.8	57
162	Exponentially Enhanced Light-Matter Interaction, Cooperativities, and Steady-State Entanglement Using Parametric Amplification. <i>Physical Review Letters</i> , 2018, 120, 093601.	2.9	158

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163	Relativistic spin-orbit interactions of photons and electrons. <i>Physical Review A</i> , 2018, 97, .	1.0	27
164	Decoherence-Free Interaction between Giant Atoms in Waveguide Quantum Electrodynamics. <i>Physical Review Letters</i> , 2018, 120, 140404.	2.9	176
165	Reflective Amplification without Population Inversion from a Strongly Driven Superconducting Qubit. <i>Physical Review Letters</i> , 2018, 120, 063603.	2.9	35
166	Simulating Open Quantum Systems with Hamiltonian Ensembles and the Nonclassicality of the Dynamics. <i>Physical Review Letters</i> , 2018, 120, 030403.	2.9	48
167	A silicon-based single-electron interferometer coupled to a fermionic sea. <i>Physical Review B</i> , 2018, 97, .	1.1	23
168	Long-lasting quantum memories: Extending the coherence time of superconducting artificial atoms in the ultrastrong-coupling regime. <i>Physical Review A</i> , 2018, 97, .	1.0	37
169	Amplified and tunable transverse and longitudinal spin-photon coupling in hybrid circuit-QED. <i>Physical Review B</i> , 2018, 97, .	1.1	18
170	Dissipation and thermal noise in hybrid quantum systems in the ultrastrong-coupling regime. <i>Physical Review A</i> , 2018, 98, .	1.0	57
171	Low-frequency spectroscopy for quantum multilevel systems. <i>Physical Review B</i> , 2018, 98, .	1.1	22
172	Cavity-Free Optical Isolators and Circulators Using a Chiral Cross-Kerr Nonlinearity. <i>Physical Review Letters</i> , 2018, 121, 203602.	2.9	119
173	Simple preparation of Bell and Greenberger-Horne-Zeilinger states using ultrastrong-coupling circuit QED. <i>Physical Review A</i> , 2018, 98, .	1.0	39
174	Nonreciprocal Phonon Laser. <i>Physical Review Applied</i> , 2018, 10, .	1.5	104
175	Majorana corner states in a two-dimensional magnetic topological insulator on a high-temperature superconductor. <i>Physical Review B</i> , 2018, 98, .	1.1	128
176	Photodetection probability in quantum systems with arbitrarily strong light-matter interaction. <i>Scientific Reports</i> , 2018, 8, 17825.	1.6	19
177	Janus Micromotors: High-Motility Visible Light-Driven Ag/AgCl Janus Micromotors (<i>Small</i> 48/2018). <i>Small</i> , 2018, 14, 1870229.	5.2	0
178	Open quantum systems with local and collective incoherent processes: Efficient numerical simulations using permutational invariance. <i>Physical Review A</i> , 2018, 98, .	1.0	143
179	High-Motility Visible Light-Driven Ag/AgCl Janus Micromotors. <i>Small</i> , 2018, 14, e1803613.	5.2	56
180	Visible Light Actuated Efficient Exclusion Between Plasmonic Ag/AgCl Micromotors and Passive Beads. <i>Small</i> , 2018, 14, e1802537.	5.2	35

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181	Lifetime of flatband states. <i>Physical Review B</i> , 2018, 98, .	1.1	21
182	Spin-valley half-metal in systems with Fermi surface nesting. <i>Physical Review B</i> , 2018, 98, .	1.1	13
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