

Franco Nori

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8944210/publications.pdf>

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	The Transcriptional Landscape of the Mammalian Genome. <i>Science</i> , 2005, 309, 1559-1563.	6.0	3,227
2	Parity-time-symmetric whispering-gallery microcavities. <i>Nature Physics</i> , 2014, 10, 394-398.	6.5	1,892
3	Quantum simulation. <i>Reviews of Modern Physics</i> , 2014, 86, 153-185.	16.4	1,881
4	Spin-orbit interactions of light. <i>Nature Photonics</i> , 2015, 9, 796-808.	15.6	1,526
5	QuTiP 2: A Python framework for the dynamics of open quantum systems. <i>Computer Physics Communications</i> , 2013, 184, 1234-1240.	3.0	1,384
6	Hybrid quantum circuits: Superconducting circuits interacting with other quantum systems. <i>Reviews of Modern Physics</i> , 2013, 85, 623-653.	16.4	1,212
7	QuTiP: An open-source Python framework for the dynamics of open quantum systems. <i>Computer Physics Communications</i> , 2012, 183, 1760-1772.	3.0	1,143
8	Atomic physics and quantum optics using superconducting circuits. <i>Nature</i> , 2011, 474, 589-597.	13.7	1,053
9	Parity-time symmetry and exceptional points in photonics. <i>Nature Materials</i> , 2019, 18, 783-798.	13.3	940
10	Ultrastrong coupling between light and matter. <i>Nature Reviews Physics</i> , 2019, 1, 19-40.	11.9	916
11	Superconducting Circuits and Quantum Information. <i>Physics Today</i> , 2005, 58, 42-47.	0.3	899
12	Microwave photonics with superconducting quantum circuits. <i>Physics Reports</i> , 2017, 718-719, 1-102.	10.3	853
13	Loss-induced suppression and revival of lasing. <i>Science</i> , 2014, 346, 328-332.	6.0	748
14	Quantum Simulators. <i>Science</i> , 2009, 326, 108-111.	6.0	730
15	Observation of the dynamical Casimir effect in a superconducting circuit. <i>Nature</i> , 2011, 479, 376-379.	13.7	730
16	Quantum biology. <i>Nature Physics</i> , 2013, 9, 10-18.	6.5	692
17	Landau-Zener-Stückelberg interferometry. <i>Physics Reports</i> , 2010, 492, 1-30.	10.3	639
18	Transverse and longitudinal angular momenta of light. <i>Physics Reports</i> , 2015, 592, 1-38.	10.3	638

#	ARTICLE	IF	CITATIONS
19	Quantum spin Hall effect of light. <i>Science</i> , 2015, 348, 1448-1451.	6.0	590
20	Quantum thermodynamic cycles and quantum heat engines. <i>Physical Review E</i> , 2007, 76, 031105.	0.8	572
21	Natural and artificial atoms for quantum computation. <i>Reports on Progress in Physics</i> , 2011, 74, 104401.	8.1	569
22	Quantum spin squeezing. <i>Physics Reports</i> , 2011, 509, 89-165.	10.3	568
23	Edge Modes, Degeneracies, and Topological Numbers in Non-Hermitian Systems. <i>Physical Review Letters</i> , 2017, 118, 040401.	2.9	565
24	Extraordinary momentum and spin in evanescent waves. <i>Nature Communications</i> , 2014, 5, 3300.	5.8	550
25	$\langle \text{PT} \rangle$ -Symmetric Phonon Laser. <i>Physical Review Letters</i> , 2014, 113, 053604.	2.9	502
26	<i>Colloquium</i> : The physics of Maxwell's demon and information. <i>Reviews of Modern Physics</i> , 2009, 81, 1-23.	16.4	469
27	Controllable Scattering of a Single Photon inside a One-Dimensional Resonator Waveguide. <i>Physical Review Letters</i> , 2008, 101, 100501.	2.9	450
28	A Superconducting Reversible Rectifier That Controls the Motion of Magnetic Flux Quanta. <i>Science</i> , 2003, 302, 1188-1191.	6.0	441
29	Observation of non-Hermitian degeneracies in a chaotic exciton-polariton billiard. <i>Nature</i> , 2015, 526, 554-558.	13.7	422
30	<i>Colloquium</i> : Stimulating uncertainty: Amplifying the quantum vacuum with superconducting circuits. <i>Reviews of Modern Physics</i> , 2012, 84, 1-24.	16.4	402
31	What is and what is not electromagnetically induced transparency in whispering-gallery microcavities. <i>Nature Communications</i> , 2014, 5, 5082.	5.8	390
32	Wet granular materials. <i>Advances in Physics</i> , 2006, 55, 1-45.	35.9	386
33	Brownian motors. <i>Annalen Der Physik</i> , 2005, 14, 51-70.	0.9	363
34	Electronic properties of mesoscopic graphene structures: Charge confinement and control of spin and charge transport. <i>Physics Reports</i> , 2011, 503, 77-114.	10.3	338
35	Second-Order Topological Phases in Non-Hermitian Systems. <i>Physical Review Letters</i> , 2019, 122, 076801.	2.9	332
36	Quantum information processing with superconducting qubits in a microwave field. <i>Physical Review B</i> , 2003, 68, .	1.1	329

#	ARTICLE	IF	CITATIONS
37	Electronic properties of graphene-based bilayer systems. <i>Physics Reports</i> , 2016, 648, 1-104.	10.3	323
38	Nonequilibrium Dynamic Phase Diagram for Vortex Lattices. <i>Physical Review Letters</i> , 1998, 81, 3757-3760.	2.9	319
39	Optical Selection Rules and Phase-Dependent Adiabatic State Control in a Superconducting Quantum Circuit. <i>Physical Review Letters</i> , 2005, 95, 087001.	2.9	298
40	Leggett's Garg inequalities. <i>Reports on Progress in Physics</i> , 2014, 77, 016001.	8.1	295
41	Qubit-oscillator systems in the ultrastrong-coupling regime and their potential for preparing nonclassical states. <i>Physical Review A</i> , 2010, 81, 062302.	1.0	292
42	Metrology with Symmetric Cavities: Enhanced Sensitivity near the PT-Phase Transition. <i>Physical Review Letters</i> , 2017, 118, 053901.	2.9	290
43	Semiclassical Dynamics of Electron Wave Packet States with Phase Vortices. <i>Physical Review Letters</i> , 2007, 99, 190404.	2.9	287
44	General Non-Markovian Dynamics of Open Quantum Systems. <i>Physical Review Letters</i> , 2012, 109, 170402.	2.9	272
45	Nonreciprocal Photon Blockade. <i>Physical Review Letters</i> , 2018, 121, 153601.	2.9	270
46	Transverse spin of a surface polariton. <i>Physical Review A</i> , 2012, 85, 033801.	1.0	268
47	Squeezed Optomechanics with Phase-Matched Amplification and Dissipation. <i>Physical Review Letters</i> , 2015, 114, 093602.	2.9	268
48	A phonon laser operating at an exceptional point. <i>Nature Photonics</i> , 2018, 12, 479-484.	15.6	264
49	Nonperturbative theory of weak pre- and post-selected measurements. <i>Physics Reports</i> , 2012, 520, 43-133.	10.3	262
50	Dual electromagnetism: helicity, spin, momentum and angular momentum. <i>New Journal of Physics</i> , 2013, 15, 033026.	1.2	262
51	Optomechanically-induced transparency in parity-time-symmetric microresonators. <i>Scientific Reports</i> , 2015, 5, 9663.	1.6	261
52	Superconducting Vortex Avalanches. <i>Physical Review Letters</i> , 1995, 74, 1206-1209.	2.9	260
53	Renormalization-Group Study of One-Dimensional Quasiperiodic Systems. <i>Physical Review Letters</i> , 1986, 57, 2057-2060.	2.9	259
54	Dynamic Phases of Vortices in Superconductors with Periodic Pinning. <i>Physical Review Letters</i> , 1997, 78, 2648-2651.	2.9	252

#	ARTICLE	IF	CITATIONS
55	Fisher information under decoherence in Bloch representation. <i>Physical Review A</i> , 2013, 87, .	1.0	248
56	Commensurate and incommensurate vortex states in superconductors with periodic pinning arrays. <i>Physical Review B</i> , 1998, 57, 7937-7943.	1.1	246
57	Photon blockade in quadratically coupled optomechanical systems. <i>Physical Review A</i> , 2013, 88, .	1.0	242
58	Witnessing Quantum Coherence: from solid-state to biological systems. <i>Scientific Reports</i> , 2012, 2, 885.	1.6	239
59	Dynamical Casimir Effect in a Superconducting Coplanar Waveguide. <i>Physical Review Letters</i> , 2009, 103, 147003.	2.9	234
60	Theory and applications of free-electron vortex states. <i>Physics Reports</i> , 2017, 690, 1-70.	10.3	227
61	<i>Colloquium</i>: Unusual resonators: Plasmonics, metamaterials, and random media. <i>Reviews of Modern Physics</i> , 2008, 80, 1201-1213.	16.4	225
62	Superconducting Fluxon Pumps and Lenses. <i>Physical Review Letters</i> , 1999, 83, 5106-5109.	2.9	222
63	Chaotic dynamics of falling disks. <i>Nature</i> , 1997, 388, 252-254.	13.7	220
64	Spin Oscillations in Antiferromagnetic NiO Triggered by Circularly Polarized Light. <i>Physical Review Letters</i> , 2010, 105, 077402.	2.9	217
65	Self-Propelled Janus Particles in a Ratchet: Numerical Simulations. <i>Physical Review Letters</i> , 2013, 110, 268301.	2.9	213
66	Characterizing optical chirality. <i>Physical Review A</i> , 2011, 83, .	1.0	207
67	Cavity quantum electrodynamics with ferromagnetic magnons in a small yttrium-iron-garnet sphere. <i>Npj Quantum Information</i> , 2015, 1, .	2.8	204
68	Low-decoherence flux qubit. <i>Physical Review B</i> , 2007, 75, .	1.1	203
69	Two-level systems driven by large-amplitude fields. <i>Physical Review A</i> , 2007, 75, .	1.0	203
70	Observing brownian motion in vibration-fluidized granular matter. <i>Nature</i> , 2003, 424, 909-912.	13.7	197
71	Acoustic and electronic properties of one-dimensional quasicrystals. <i>Physical Review B</i> , 1986, 34, 2207-2211.	1.1	187
72	Scalable Quantum Computing with Josephson Charge Qubits. <i>Physical Review Letters</i> , 2002, 89, 197902.	2.9	186

#	ARTICLE	IF	CITATIONS
73	Optomechanically induced stochastic resonance and chaos transfer between optical fields. <i>Nature Photonics</i> , 2016, 10, 399-405.	15.6	185
74	Quantum feedback: Theory, experiments, and applications. <i>Physics Reports</i> , 2017, 679, 1-60.	10.3	181
75	Circuit quantum acoustodynamics with surface acoustic waves. <i>Nature Communications</i> , 2017, 8, 975.	5.8	178
76	Decoherence-Free Interaction between Giant Atoms in Waveguide Quantum Electrodynamics. <i>Physical Review Letters</i> , 2018, 120, 140404.	2.9	176
77	Quantum exceptional points of non-Hermitian Hamiltonians and Liouvillians: The effects of quantum jumps. <i>Physical Review A</i> , 2019, 100, .	1.0	172
78	Nonequilibrium dynamic phases and plastic flow of driven vortex lattices in superconductors with periodic arrays of pinning sites. <i>Physical Review B</i> , 1998, 58, 6534-6564.	1.1	171
79	Phase Locking, Devil's Staircases, Farey Trees, and Arnold Tongues in Driven Vortex Lattices with Periodic Pinning. <i>Physical Review Letters</i> , 1999, 82, 414-417.	2.9	169
80	Relativistic Electron Vortex Beams: Angular Momentum and Spin-Orbit Interaction. <i>Physical Review Letters</i> , 2011, 107, 174802.	2.9	169
81	Optomechanical analog of two-color electromagnetically induced transparency: Photon transmission through an optomechanical device with a two-level system. <i>Physical Review A</i> , 2014, 90, .	1.0	169
82	Strongly correlated quantum walks with a 12-qubit superconducting processor. <i>Science</i> , 2019, 364, 753-756.	6.0	169
83	Optical Momentum, Spin, and Angular Momentum in Dispersive Media. <i>Physical Review Letters</i> , 2017, 119, 073901.	2.9	168
84	Flying couplers above spinning resonators generate irreversible refraction. <i>Nature</i> , 2018, 558, 569-572.	13.7	167
85	Cavity optomechanical coupling assisted by an atomic gas. <i>Physical Review A</i> , 2008, 78, .	1.0	166
86	Steady-state mechanical squeezing in an optomechanical system via Duffing nonlinearity. <i>Physical Review A</i> , 2015, 91, .	1.0	165
87	Testing nonclassicality in multimode fields: A unified derivation of classical inequalities. <i>Physical Review A</i> , 2010, 82, .	1.0	160
88	Exponentially Enhanced Light-Matter Interaction, Cooperativities, and Steady-State Entanglement Using Parametric Amplification. <i>Physical Review Letters</i> , 2018, 120, 093601.	2.9	158
89	Direct measurements of the extraordinary optical momentum and transverse spin-dependent force using a nano-cantilever. <i>Nature Physics</i> , 2016, 12, 731-735.	6.5	157
90	Two-photon and three-photon blockades in driven nonlinear systems. <i>Physical Review A</i> , 2013, 87, .	1.0	152

#	ARTICLE	IF	CITATIONS
91	Dynamical Casimir effect in superconducting microwave circuits. <i>Physical Review A</i> , 2010, 82, .	1.0	151
92	High-order exceptional points in optomechanics. <i>Scientific Reports</i> , 2017, 7, 3386.	1.6	151
93	Quantum-criticality-induced strong Kerr nonlinearities in optomechanical systems. <i>Scientific Reports</i> , 2013, 3, 2943.	1.6	150
94	Waveguide quantum electrodynamics with superconducting artificial giant atoms. <i>Nature</i> , 2020, 583, 775-779.	13.7	147
95	Spatiotemporal vortex beams and angular momentum. <i>Physical Review A</i> , 2012, 86, .	1.0	146
96	Quantum supercavity with atomic mirrors. <i>Physical Review A</i> , 2008, 78, .	1.0	143
97	Terahertz Josephson plasma waves in layered superconductors: spectrum, generation, nonlinear and quantum phenomena. <i>Reports on Progress in Physics</i> , 2010, 73, 026501.	8.1	143
98	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
99	Qubit-induced phonon blockade as a signature of quantum behavior in nanomechanical resonators. <i>Physical Review A</i> , 2010, 82, .	1.0	140
100	Maxwell's Demon Assisted Thermodynamic Cycle in Superconducting Quantum Circuits. <i>Physical Review Letters</i> , 2006, 97, 180402.	2.9	138
101	Entangling two macroscopic mechanical mirrors in a two-cavity optomechanical system. <i>Physical Review A</i> , 2014, 89, .	1.0	137
102	Single-photon router: Coherent control of multichannel scattering for single photons with quantum interferences. <i>Physical Review A</i> , 2014, 89, .	1.0	132
103	Quantum metamaterials: Electromagnetic waves in a Josephson qubit line. <i>Physical Review B</i> , 2008, 77, .	1.1	131
104	Resolution of gauge ambiguities in ultrastrong-coupling cavity quantum electrodynamics. <i>Nature Physics</i> , 2019, 15, 803-808.	6.5	131
105	From blockade to transparency: Controllable photon transmission through a circuit-QED system. <i>Physical Review A</i> , 2014, 89, .	1.0	130
106	Tunable photon blockade in a hybrid system consisting of an optomechanical device coupled to a two-level system. <i>Physical Review A</i> , 2015, 92, .	1.0	130
107	Controllable Coupling between Flux Qubits. <i>Physical Review Letters</i> , 2006, 96, 067003.	2.9	129
108	Conservation of the spin and orbital angular momenta in electromagnetism. <i>New Journal of Physics</i> , 2014, 16, 093037.	1.2	129

#	ARTICLE	IF	CITATIONS
109	Spatiotemporal dynamics and plastic flow of vortices in superconductors with periodic arrays of pinning sites. <i>Physical Review B</i> , 1996, 54, 16108-16115.	1.1	128
110	Experimentally realizable devices for controlling the motion of magnetic flux quanta in anisotropic superconductors. <i>Nature Materials</i> , 2002, 1, 179-184.	13.3	128
111	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
112	Ratchet without spatial asymmetry for controlling the motion of magnetic flux quanta using time-asymmetric drives. <i>Nature Materials</i> , 2006, 5, 305-311.	13.3	127
113	Entanglement dynamics of two qubits in a common bath. <i>Physical Review A</i> , 2012, 85, .	1.0	127
114	Hybrid Quantum Device with Nitrogen-Vacancy Centers in Diamond Coupled to Carbon Nanotubes. <i>Physical Review Letters</i> , 2016, 117, 015502.	2.9	127
115	Controlling Transport in Mixtures of Interacting Particles using Brownian Motors. <i>Physical Review Letters</i> , 2003, 91, 010601.	2.9	125
116	Controlling the transport of single photons by tuning the frequency of either one or two cavities in an array of coupled cavities. <i>Physical Review A</i> , 2010, 81, .	1.0	123
117	One Photon Can Simultaneously Excite Two or More Atoms. <i>Physical Review Letters</i> , 2016, 117, 043601.	2.9	123
118	Controllable manipulation and entanglement of macroscopic quantum states in coupled charge qubits. <i>Physical Review B</i> , 2003, 68, .	1.1	122
119	Strong coupling of a spin qubit to a superconducting stripline cavity. <i>Physical Review B</i> , 2012, 86, .	1.1	119
120	Cavity-Free Optical Isolators and Circulators Using a Chiral Cross-Kerr Nonlinearity. <i>Physical Review Letters</i> , 2018, 121, 203602.	2.9	119
121	Quantum Zeno switch for single-photon coherent transport. <i>Physical Review A</i> , 2009, 80, .	1.0	118
122	Multiphoton quantum Rabi oscillations in ultrastrong cavity QED. <i>Physical Review A</i> , 2015, 92, .	1.0	118
123	Surface plasmons in a metal nanowire coupled to colloidal quantum dots: Scattering properties and quantum entanglement. <i>Physical Review B</i> , 2011, 84, .	1.1	117
124	Generalized Thue-Morse chains and their physical properties. <i>Physical Review B</i> , 1991, 43, 1034-1047.	1.1	115
125	Collective Interaction-Driven Ratchet for Transporting Flux Quanta. <i>Physical Review Letters</i> , 2001, 87, 177002.	2.9	115
126	Generation of nonclassical photon states using a superconducting qubit in a microcavity. <i>Europhysics Letters</i> , 2004, 67, 941-947.	0.7	115

#	ARTICLE	IF	CITATIONS
127	Transverse Spin and Momentum in Two-Wave Interference. <i>Physical Review X</i> , 2015, 5, .	2.8	114
128	Deterministic quantum nonlinear optics with single atoms and virtual photons. <i>Physical Review A</i> , 2017, 95, .	1.0	113
129	Magnetoelectric Effects in Local Light-Matter Interactions. <i>Physical Review Letters</i> , 2014, 113, 033601.	2.9	111
130	Imaging of avalanches in granular materials. <i>Physical Review Letters</i> , 1992, 69, 2431-2434.	2.9	110
131	Spin-Hall effect and circular birefringence of a uniaxial crystal plate. <i>Optica</i> , 2016, 3, 1039.	4.8	110
132	Controlling the Motion of Magnetic Flux Quanta. <i>Physical Review Letters</i> , 2004, 92, 180602.	2.9	109
133	Generation and Control of Greenberger-Horne-Zeilinger Entanglement in Superconducting Circuits. <i>Physical Review Letters</i> , 2006, 96, 246803.	2.9	109
134	Controllable Coherent Population Transfers in Superconducting Qubits for Quantum Computing. <i>Physical Review Letters</i> , 2008, 100, 113601.	2.9	107
135	Optical momentum and angular momentum in complex media: from the Abraham-Minkowski debate to unusual properties of surface plasmon-polaritons. <i>New Journal of Physics</i> , 2017, 19, 123014.	1.2	107
136	Direct Observation of Rectified Motion of Vortices in a Niobium Superconductor. <i>Physical Review Letters</i> , 2005, 95, 087002.	2.9	106
137	Squeezed Phonon States: Modulating Quantum Fluctuations of Atomic Displacements. <i>Physical Review Letters</i> , 1996, 76, 2294-2297.	2.9	105
138	Electronic spectrum of twisted bilayer graphene. <i>Physical Review B</i> , 2015, 92, .	1.1	104
139	Nonreciprocal Phonon Laser. <i>Physical Review Applied</i> , 2018, 10, .	1.5	104
140	Giant nonlinearity via breaking parity-time symmetry: A route to low-threshold phonon diodes. <i>Physical Review B</i> , 2015, 92, .	1.1	103
141	Breaking Anti-PT Symmetry by Spinning a Resonator. <i>Nano Letters</i> , 2020, 20, 7594-7599.	4.5	103
142	Quantum Two-Level Systems in Josephson Junctions as Naturally Formed Qubits. <i>Physical Review Letters</i> , 2006, 97, 077001.	2.9	102
143	Multistability of electromagnetically induced transparency in atom-assisted optomechanical cavities. <i>Physical Review A</i> , 2011, 83, .	1.0	102
144	Effective Hamiltonian approach to the Kerr nonlinearity in an optomechanical system. <i>Physical Review A</i> , 2009, 80, .	1.0	99

#	ARTICLE	IF	CITATIONS
145	Self-Organized Critical Behavior in Pinned Flux Lattices. <i>Physical Review Letters</i> , 1991, 67, 919-922.	2.9	98
146	Exceptional Points in Random-Defect Phonon Lasers. <i>Physical Review Applied</i> , 2017, 8, .	1.5	98
147	Topological non-Hermitian origin of surface Maxwell waves. <i>Nature Communications</i> , 2019, 10, 580.	5.8	98
148	Nonlinear signal mixing in a ratchet device. <i>Europhysics Letters</i> , 2004, 67, 179-185.	0.7	97
149	Photon trajectories, anomalous velocities and weak measurements: a classical interpretation. <i>New Journal of Physics</i> , 2013, 15, 073022.	1.2	97
150	Probing Tiny Motions of Nanomechanical Resonators: Classical or Quantum Mechanical?. <i>Physical Review Letters</i> , 2006, 97, 237201.	2.9	96
151	Scalable superconducting qubit circuits using dressed states. <i>Physical Review A</i> , 2006, 74, .	1.0	96
152	Geometric Stochastic Resonance. <i>Physical Review Letters</i> , 2010, 104, 020601.	2.9	96
153	Observation of the Larmor and Gouy Rotations with Electron Vortex Beams. <i>Physical Review Letters</i> , 2013, 110, 093601.	2.9	96
154	Quantum entanglement via two-qubit quantum Zeno dynamics. <i>Physical Review A</i> , 2008, 77, .	1.0	95
155	Transport and localization in periodic and disordered graphene superlattices. <i>Physical Review B</i> , 2009, 79, .	1.1	95
156	Fractal Networks, Braiding Channels, and Voltage Noise in Intermittently Flowing Rivers of Quantized Magnetic Flux. <i>Physical Review Letters</i> , 1998, 80, 2197-2200.	2.9	94
157	Moving Wigner Glasses and Smectics: Dynamics of Disordered Wigner Crystals. <i>Physical Review Letters</i> , 2001, 86, 4354-4357.	2.9	94
158	Critical Currents in Quasiperiodic Pinning Arrays: Chains and Penrose Lattices. <i>Physical Review Letters</i> , 2005, 95, 177007.	2.9	93
159	Tunable electromagnetically induced transparency and absorption with dressed superconducting qubits. <i>Physical Review A</i> , 2010, 81, .	1.0	93
160	Coupling strength estimation for spin chains despite restricted access. <i>Physical Review A</i> , 2009, 79, .	1.0	92
161	Instabilities of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle A \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle A \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Stacked Graphene Bilayer. <i>Physical Review Letters</i> , 2012, 109, 206801.	2.9	92
162	Efficient quantum simulation of photosynthetic light harvesting. <i>Npj Quantum Information</i> , 2018, 4, .	2.8	92

#	ARTICLE	IF	CITATIONS
163	Spin and orbital angular momenta of acoustic beams. <i>Physical Review B</i> , 2019, 99, .	1.1	92
164	Controllable step motors and rectifiers of magnetic flux quanta using periodic arrays of asymmetric pinning defects. <i>Physical Review B</i> , 2003, 68, .	1.1	90
165	Single-photon-driven high-order sideband transitions in an ultrastrongly coupled circuit-quantum-electrodynamics system. <i>Physical Review A</i> , 2017, 96, .	1.0	90
166	Spectral splitting and wave-function scaling in quasicrystalline and hierarchical structures. <i>Physical Review B</i> , 1990, 42, 10329-10341.	1.1	89
167	Theoretical analysis of the thermal conductivity of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Physical Review B</i> , 1991, 44, 9508-9513.	1.1	89
168	Electron Vortex Beams in a Magnetic Field: A New Twist on Landau Levels and Aharonov-Bohm States. <i>Physical Review X</i> , 2012, 2, .	2.8	89
169	Quantum Fisher information as a signature of the superradiant quantum phase transition. <i>New Journal of Physics</i> , 2014, 16, 063039.	1.2	89
170	Superconducting vortex avalanches, voltage bursts, and vortex plastic flow: Effect of the microscopic pinning landscape on the macroscopic properties. <i>Physical Review B</i> , 1997, 56, 6175-6194.	1.1	88
171	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
172	Intermittently Flowing Rivers of Magnetic Flux. <i>Science</i> , 1996, 271, 1373-1374.	6.0	86
173	Landau-Zener-Stückelberg interferometry of a single electron charge qubit. <i>Physical Review B</i> , 2012, 86, .	1.1	86
174	Vortex plastic flow, local flux density, magnetization hysteresis loops, and critical current, deep in the Bose-glass and Mott-insulator regimes. <i>Physical Review B</i> , 1996, 53, R8898-R8901.	1.1	85
175	Phonon Squeezed States Generated by Second-Order Raman Scattering. <i>Physical Review Letters</i> , 1997, 79, 4605-4608.	2.9	85
176	Transport via nonlinear signal mixing in ratchet devices. <i>Physical Review E</i> , 2004, 70, 066109.	0.8	85
177	Hybrid quantum circuit consisting of a superconducting flux qubit coupled to a spin ensemble and a transmission-line resonator. <i>Physical Review B</i> , 2013, 87, .	1.1	84
178	Electromagnetically induced transparency and Autler-Townes splitting in superconducting flux quantum circuits. <i>Physical Review A</i> , 2014, 89, .	1.0	84
179	Quantifying Non-Markovianity with Temporal Steering. <i>Physical Review Letters</i> , 2016, 116, 020503.	2.9	84
180	Trace maps of general substitutional sequences. <i>Physical Review B</i> , 1990, 42, 1062-1065.	1.1	83

#	ARTICLE	IF	CITATIONS
181	Manipulating Small Particles in Mixtures far from Equilibrium. Physical Review Letters, 2004, 92, 160602.	2.9	83
182	Quantum transducers: Integrating transmission lines and nanomechanical resonators via charge qubits. Physical Review A, 2006, 73, .	1.0	83
183	Two-mode squeezed states and entangled states of two mechanical resonators. Physical Review B, 2007, 76, .	1.1	83
184	Tunable multiphonon blockade in coupled nanomechanical resonators. Physical Review A, 2016, 93, .	1.0	83
185	Nonreciprocal ground-state cooling of multiple mechanical resonators. Physical Review A, 2020, 102, .	1.0	82
186	Transverse spinning of unpolarized light. Nature Photonics, 2021, 15, 156-161.	15.6	82
187	Analogues of nonlinear optics using terahertz Josephson plasma waves in layered superconductors. Nature Physics, 2006, 2, 521-525.	6.5	81
188	Sudden vanishing of spin squeezing under decoherence. Physical Review A, 2010, 81, .	1.0	81
189	Nanoparticle sensing with a spinning resonator. Optica, 2018, 5, 1424.	4.8	81
190	Preparation of macroscopic quantum superposition states of a cavity field via coupling to a superconducting charge qubit. Physical Review A, 2005, 71, .	1.0	80
191	Quantum emulation of a spin system with topologically protected ground states using superconducting quantum circuits. Physical Review B, 2010, 81, .	1.1	80
192	Scalable quantum computation via local control of only two qubits. Physical Review A, 2010, 81, .	1.0	80
193	Imaging the dynamics of free-electron Landau states. Nature Communications, 2014, 5, 4586.	5.8	80
194	Probing dynamical phase transitions with a superconducting quantum simulator. Science Advances, 2020, 6, eaba4935.	4.7	80
195	Producing Cluster States in Charge Qubits and Flux Qubits. Physical Review Letters, 2006, 97, 230501.	2.9	79
196	Lamb-Dicke spectroscopy of atoms in a hollow-core photonic crystal fibre. Nature Communications, 2014, 5, 4096.	5.8	79
197	Method for observing robust and tunable phonon blockade in a nanomechanical resonator coupled to a charge qubit. Physical Review A, 2016, 93, .	1.0	79
198	$\langle \text{PT} \rangle$ -symmetric circuit QED. Physical Review A, 2018, 97, .	1.0	79

#	ARTICLE	IF	CITATIONS
199	Tunable Chiral Bound States with Giant Atoms. <i>Physical Review Letters</i> , 2021, 126, 043602.	2.9	79
200	Surface Josephson Plasma Waves in Layered Superconductors. <i>Physical Review Letters</i> , 2005, 95, 187002.	2.9	77
201	Persistent single-photon production by tunable on-chip micromaser with a superconducting quantum circuit. <i>Physical Review B</i> , 2007, 75, .	1.1	77
202	Quantum memory using a hybrid circuit with flux qubits and nitrogen-vacancy centers. <i>Physical Review A</i> , 2013, 88, .	1.0	76
203	Nonlinear Nanodevices Using Magnetic Flux Quanta. <i>Physical Review Letters</i> , 2007, 99, 207003.	2.9	75
204	Interqubit coupling mediated by a high-excitation-energy quantum object. <i>Physical Review B</i> , 2008, 77, .	1.1	75
205	Electric-current-induced unidirectional propagation of surface plasmon-polaritons. <i>Optics Letters</i> , 2018, 43, 963.	1.7	75
206	Simultaneous Cooling of an Artificial Atom and Its Neighboring Quantum System. <i>Physical Review Letters</i> , 2008, 100, 047001.	2.9	73
207	Efficient one-step generation of large cluster states with solid-state circuits. <i>Physical Review A</i> , 2007, 75, .	1.0	72
208	Dynamics and quantum Zeno effect for a qubit in either a low- or high-frequency bath beyond the rotating-wave approximation. <i>Physical Review A</i> , 2010, 82, .	1.0	72
209	Phase gate of one qubit simultaneously controlling $\langle n \rangle$ qubits in a cavity. <i>Physical Review A</i> , 2010, 81, .	1.0	72
210	Nonclassical microwave radiation from the dynamical Casimir effect. <i>Physical Review A</i> , 2013, 87, .	1.0	72
211	Robust manipulation of superconducting qubits in the presence of fluctuations. <i>Scientific Reports</i> , 2015, 5, 7873.	1.6	72
212	Coupling Two Distant Double Quantum Dots with a Microwave Resonator. <i>Nano Letters</i> , 2015, 15, 6620-6625.	4.5	71
213	Ground State Electroluminescence. <i>Physical Review Letters</i> , 2016, 116, 113601.	2.9	71
214	Quantum phonon optics: Coherent and squeezed atomic displacements. <i>Physical Review B</i> , 1996, 53, 2419-2424.	1.1	70
215	Quantum algorithm for simulating the dynamics of an open quantum system. <i>Physical Review A</i> , 2011, 83, .	1.0	70
216	Full reconstruction of a 14-qubit state within four hours. <i>New Journal of Physics</i> , 2016, 18, 083036.	1.2	70

#	ARTICLE	IF	CITATIONS
217	Using superconducting qubit circuits to engineer exotic lattice systems. <i>Physical Review A</i> , 2010, 82, .	1.0	69
218	Controlling single-photon transport in waveguides with finite cross section. <i>Physical Review A</i> , 2013, 88, .	1.0	68
219	Decoherence in a scalable adiabatic quantum computer. <i>Physical Review A</i> , 2006, 74, .	1.0	67
220	Left-Handed Interfaces for Electromagnetic Surface Waves. <i>Physical Review Letters</i> , 2007, 98, 073901.	2.9	67
221	Cooling and squeezing the fluctuations of a nanomechanical beam by indirect quantum feedback control. <i>Physical Review A</i> , 2009, 79, .	1.0	67
222	Giant negative mobility of Janus particles in a corrugated channel. <i>Physical Review E</i> , 2014, 89, 062115.	0.8	67
223	Controllable optical response by modifying the gain and loss of a mechanical resonator and cavity mode in an optomechanical system. <i>Physical Review A</i> , 2017, 95, .	1.0	67
224	Angular momenta, helicity, and other properties of dielectric-fiber and metallic-wire modes. <i>Optica</i> , 2018, 5, 1016.	4.8	67
225	Electromagnetic Helicity in Complex Media. <i>Physical Review Letters</i> , 2018, 120, 243605.	2.9	67
226	Quantum memory and gates using a $\hat{\sigma}_y$ -type quantum emitter coupled to a chiral waveguide. <i>Physical Review A</i> , 2018, 97, .	1.0	67
227	Particle-like topologies in light. <i>Nature Communications</i> , 2021, 12, 6785.	5.8	67
228	Optomechanical-like coupling between superconducting resonators. <i>Physical Review A</i> , 2014, 90, .	1.0	66
229	Quantum reinforcement learning during human decision-making. <i>Nature Human Behaviour</i> , 2020, 4, 294-307.	6.2	66
230	Theory of superconducting wire networks and Josephson-junction arrays in magnetic fields. <i>Physical Review B</i> , 1989, 39, 2134-2150.	1.1	65
231	Using Josephson Vortex Lattices to Control Terahertz Radiation: Tunable Transparency and Terahertz Photonic Crystals. <i>Physical Review Letters</i> , 2005, 94, 157004.	2.9	65
232	State-dependent photon blockade via quantum-reservoir engineering. <i>Physical Review A</i> , 2014, 90, .	1.0	65
233	Single-photon quadratic optomechanics. <i>Scientific Reports</i> , 2014, 4, 6302.	1.6	65
234	Non-Hermitian Hamiltonians and no-go theorems in quantum information. <i>Physical Review A</i> , 2019, 100, .	1.0	65

#	ARTICLE	IF	CITATIONS
235	Phonon squeezed states: quantum noise reduction in solids. <i>Physica B: Condensed Matter</i> , 1999, 263-264, 16-29.	1.3	64
236	Controlled Generation of Squeezed States of Microwave Radiation in a Superconducting Resonant Circuit. <i>Physical Review Letters</i> , 2008, 101, 253602.	2.9	64
237	Controlling a Nanowire Spin-Orbit Qubit via Electric-Dipole Spin Resonance. <i>Physical Review Letters</i> , 2013, 111, 086805.	2.9	64
238	Confirmation of the modified Bean model from simulations of superconducting vortices. <i>Physical Review Letters</i> , 1994, 72, 1268-1271.	2.9	63
239	Fast two-bit operations in inductively coupled flux qubits. <i>Physical Review B</i> , 2005, 71, .	1.1	63
240	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
241	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
242	Distinguishing Quantum and Classical Transport through Nanostructures. <i>Physical Review Letters</i> , 2010, 105, 176801.	2.9	62
243	Speed limits for quantum gates in multiqubit systems. <i>Physical Review A</i> , 2012, 85, .	1.0	62
244	Relativistic Hall Effect. <i>Physical Review Letters</i> , 2012, 108, 120403.	2.9	62
245	Output field-quadrature measurements and squeezing in ultrastrong cavity-QED. <i>New Journal of Physics</i> , 2016, 18, 123005.	1.2	62
246	Switchable resonant coupling of flux qubits. <i>Physical Review B</i> , 2006, 74, .	1.1	61
247	Electronic properties of armchair graphene nanoribbons. <i>Physical Review B</i> , 2009, 79, .	1.1	61
248	Statistical mixtures of states can be more quantum than their superpositions: Comparison of nonclassicality measures for single-qubit states. <i>Physical Review A</i> , 2015, 91, .	1.0	61
249	N -Phonon Bundle Emission via the Stokes Process. <i>Physical Review Letters</i> , 2020, 124, 053601.	2.9	61
250	Phonon-transmission rate, fluctuations, and localization in random semiconductor superlattices: Green's-function approach. <i>Physical Review B</i> , 1993, 48, 2515-2528.	1.1	60
251	Efficient Quantum Circuits for One-Way Quantum Computing. <i>Physical Review Letters</i> , 2009, 102, 100501.	2.9	60
252	A qubit strongly coupled to a resonant cavity: asymmetry of the spontaneous emission spectrum beyond the rotating wave approximation. <i>New Journal of Physics</i> , 2011, 13, 073002.	1.2	60

#	ARTICLE	IF	CITATIONS
253	Amplified Optomechanical Transduction of Virtual Radiation Pressure. <i>Physical Review Letters</i> , 2017, 119, 053601.	2.9	60
254	Quantum nonlinear optics without photons. <i>Physical Review A</i> , 2017, 96, .	1.0	60
255	Critical currents in superconductors with quasiperiodic pinning arrays: One-dimensional chains and two-dimensional Penrose lattices. <i>Physical Review B</i> , 2006, 74, .	1.1	59
256	Layered superconductors as negative-refractive-index metamaterials. <i>Physical Review B</i> , 2010, 81, .	1.1	59
257	Certainty in Heisenberg's uncertainty principle: Revisiting definitions for estimation errors and disturbance. <i>Physical Review A</i> , 2014, 89, .	1.0	59
258	Using non-Markovian measures to evaluate quantum master equations for photosynthesis. <i>Scientific Reports</i> , 2015, 5, 12753.	1.6	58
259	Hybrid-Liouvilian formalism connecting exceptional points of non-Hermitian Hamiltonians and Liouvillians via postselection of quantum trajectories. <i>Physical Review A</i> , 2020, 101, .	1.0	58
260	Quantum State Tomography with Conditional Generative Adversarial Networks. <i>Physical Review Letters</i> , 2021, 127, 140502.	2.9	58
261	Topological dissipation in a time-multiplexed photonic resonator network. <i>Nature Physics</i> , 2022, 18, 442-449.	6.5	58
262	Cooling a micromechanical beam by coupling it to a transmission line. <i>Physical Review B</i> , 2007, 76, .	1.1	57
263	Non-Markovian Complexity in the Quantum-to-Classical Transition. <i>Scientific Reports</i> , 2015, 5, 13353.	1.6	57
264	Frequency conversion in ultrastrong cavity QED. <i>Scientific Reports</i> , 2017, 7, 5313.	1.6	57
265	Nonperturbative Dynamical Casimir Effect in Optomechanical Systems: Vacuum Casimir-Rabi Splittings. <i>Physical Review X</i> , 2018, 8, .	2.8	57
266	Dissipation and thermal noise in hybrid quantum systems in the ultrastrong-coupling regime. <i>Physical Review A</i> , 2018, 98, .	1.0	57
267	Modelling the ultra-strongly coupled spin-boson model with unphysical modes. <i>Nature Communications</i> , 2019, 10, 3721.	5.8	57
268	Analog of a Quantum Heat Engine Using a Single-Spin Qubit. <i>Physical Review Letters</i> , 2020, 125, 166802.	2.9	57
269	Microscopic derivation of magnetic-flux-density profiles, magnetization hysteresis loops, and critical currents in strongly pinned superconductors. <i>Physical Review B</i> , 1995, 52, 10441-10446.	1.1	56
270	Stochastic transport of interacting particles in periodically driven ratchets. <i>Physical Review E</i> , 2004, 70, 061107.	0.8	56

#	ARTICLE	IF	CITATIONS
271	Separating particles according to their physical properties: Transverse drift of underdamped and overdamped interacting particles diffusing through two-dimensional ratchets. <i>Physical Review B</i> , 2005, 71, .	1.1	56
272	Temporal steering inequality. <i>Physical Review A</i> , 2014, 89, .	1.0	56
273	High-Motility Visible Light-Driven Ag/AgCl Janus Micromotors. <i>Small</i> , 2018, 14, e1803613.	5.2	56
274	Transverse spin and surface waves in acoustic metamaterials. <i>Physical Review B</i> , 2019, 99, .	1.1	56
275	Tomographic measurements on superconducting qubit states. <i>Physical Review B</i> , 2005, 72, .	1.1	55
276	Superconducting qubits can be coupled and addressed as trapped ions. <i>Physical Review B</i> , 2007, 76, .	1.1	55
277	Quantum Terahertz Electrodynamics and Macroscopic Quantum Tunneling in Layered Superconductors. <i>Physical Review Letters</i> , 2007, 98, 077002.	2.9	55
278	Mie scattering and optical forces from evanescent fields: A complex-angle approach. <i>Optics Express</i> , 2013, 21, 7082.	1.7	55
279	Tunable optomechanically induced transparency by controlling the dark-mode effect. <i>Physical Review A</i> , 2020, 102, .	1.0	55
280	Indirect quantum tomography of quadratic Hamiltonians. <i>New Journal of Physics</i> , 2011, 13, 013019.	1.2	54
281	Gate-Sensing Coherent Charge Oscillations in a Silicon Field-Effect Transistor. <i>Nano Letters</i> , 2016, 16, 1614-1619.	4.5	54
282	Interaction of Mechanical Oscillators Mediated by the Exchange of Virtual Photon Pairs. <i>Physical Review Letters</i> , 2019, 122, 030402.	2.9	54
283	Topological quantum phase transitions retrieved through unsupervised machine learning. <i>Physical Review B</i> , 2020, 102, .	1.1	54
284	Fluctuation-Induced Casimir Forces in Granular Fluids. <i>Physical Review Letters</i> , 2006, 96, 178001.	2.9	53
285	Circuit analog of quadratic optomechanics. <i>Physical Review A</i> , 2015, 91, .	1.0	53
286	Large Collective Lamb Shift of Two Distant Superconducting Artificial Atoms. <i>Physical Review Letters</i> , 2019, 123, 233602.	2.9	53
287	Quantum Squeezing Induced Optical Nonreciprocity. <i>Physical Review Letters</i> , 2022, 128, 083604.	2.9	53
288	Comparison of the sensitivity to systematic errors between nonadiabatic non-Abelian geometric gates and their dynamical counterparts. <i>Physical Review A</i> , 2016, 93, .	1.0	52

#	ARTICLE	IF	CITATIONS
289	Generalized flux states of the J -model. <i>Physical Review B</i> , 1990, 41, 7277-7280.	1.1	51
290	Single-artificial-atom lasing using a voltage-biased superconducting charge qubit. <i>New Journal of Physics</i> , 2009, 11, 023030.	1.2	51
291	Sudden vanishing and reappearance of nonclassical effects: General occurrence of finite-time decays and periodic vanishings of nonclassicality and entanglement witnesses. <i>Physical Review A</i> , 2011, 83, .	1.0	51
292	Charge Number Dependence of the Dephasing Rates of a Graphene Double Quantum Dot in a Circuit QED Architecture. <i>Physical Review Letters</i> , 2015, 115, 126804.	2.9	51
293	Enhancement of mechanical effects of single photons in modulated two-mode optomechanics. <i>Physical Review A</i> , 2015, 92, .	1.0	51
294	Correlation-induced suppression of decoherence in capacitively coupled Cooper-pair boxes. <i>Physical Review B</i> , 2005, 72, .	1.1	50
295	Enhancement of entanglement transfer in a spin chain by phase-shift control. <i>Physical Review A</i> , 2007, 75, .	1.0	50
296	Arbitrary control of coherent dynamics for distant qubits in a quantum network. <i>Physical Review A</i> , 2010, 82, .	1.0	50
297	Multiqubit tunable phase gate of one qubit simultaneously controlling n qubits in a cavity. <i>Physical Review A</i> , 2010, 82, .	1.0	50
298	Strongly anisotropic Dirac quasiparticles in irradiated graphene. <i>Physical Review B</i> , 2013, 88, .	1.1	50
299	Hybrid Systems for the Generation of Nonclassical Mechanical States via Quadratic Interactions. <i>Physical Review Letters</i> , 2018, 121, 123604.	2.9	50
300	Topological band theory for non-Hermitian systems from the Dirac equation. <i>Physical Review B</i> , 2019, 100, .	1.1	50
301	Generation of tunable terahertz out-of-plane radiation using Josephson vortices in modulated layered superconductors. <i>Physical Review B</i> , 2005, 72, .	1.1	49
302	Quantum computation with Josephson qubits using a current-biased information bus. <i>Physical Review B</i> , 2005, 71, .	1.1	49
303	Enhanced interferometry using squeezed thermal states and even or odd states. <i>Physical Review A</i> , 2014, 89, .	1.0	49
304	Method for identifying electromagnetically induced transparency in a tunable circuit quantum electrodynamics system. <i>Physical Review A</i> , 2016, 93, .	1.0	49
305	Feynman-diagrams approach to the quantum Rabi model for ultrastrong cavity QED: stimulated emission and reabsorption of virtual particles dressing a physical excitation. <i>New Journal of Physics</i> , 2017, 19, 053010.	1.2	49
306	Control-free control: Manipulating a quantum system using only a limited set of measurements. <i>Physical Review A</i> , 2010, 82, .	1.0	48

#	ARTICLE	IF	CITATIONS
307	Quantum noise in photothermal cooling. <i>Physical Review A</i> , 2011, 83, .	1.0	48
308	No-cloning of quantum steering. <i>Npj Quantum Information</i> , 2016, 2, .	2.8	48
309	Simulating Open Quantum Systems with Hamiltonian Ensembles and the Nonclassicality of the Dynamics. <i>Physical Review Letters</i> , 2018, 120, 030403.	2.9	48
310	Emission of photon pairs by mechanical stimulation of the squeezed vacuum. <i>Physical Review A</i> , 2019, 100, .	1.0	48
311	Fully connected network of superconducting qubits in a cavity. <i>New Journal of Physics</i> , 2008, 10, 113020.	1.2	47
312	Electrotunable artificial molecules based on van der Waals heterostructures. <i>Science Advances</i> , 2017, 3, e1701699.	4.7	47
313	Characterization of Topological States via Dual Multipartite Entanglement. <i>Physical Review Letters</i> , 2018, 120, 250501.	2.9	47
314	Generating Long-Lived Macroscopically Distinct Superposition States in Atomic Ensembles. <i>Physical Review Letters</i> , 2021, 127, 093602.	2.9	47
315	Non-Hermitian topological Mott insulators in one-dimensional fermionic superlattices. <i>Physical Review B</i> , 2020, 102, .	1.1	47
316	Loop-space quantum formulation of free electromagnetism. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica</i> , 1983, 38, 497-502.	0.4	46
317	Lower limit on the achievable temperature in resonator-based sideband cooling. <i>Physical Review B</i> , 2008, 78, .	1.1	46
318	Dirac gap-induced graphene quantum dot in an electrostatic potential. <i>Physical Review B</i> , 2011, 83, .	1.1	46
319	Magnetic flux pinning in superconductors with hyperbolic-tessellation arrays of pinning sites. <i>Physical Review B</i> , 2012, 85, .	1.1	46
320	Resolution of superluminal signalling in non-perturbative cavity quantum electrodynamics. <i>Nature Communications</i> , 2018, 9, 1924.	5.8	46
321	Acoustic interference in random superlattices. <i>Physical Review B</i> , 1990, 41, 7941-7944.	1.1	45
322	Vortex structure and dynamics in kagom� and triangular pinning potentials. <i>Physical Review B</i> , 2001, 64, .	1.1	45
323	Tunable electronic transport and unidirectional quantum wires in graphene subjected to electric and magnetic fields. <i>Physical Review B</i> , 2010, 81, .	1.1	45
324	Pseudochemotactic drifts of artificial microswimmers. <i>Physical Review E</i> , 2015, 92, 012114.	0.8	45

#	ARTICLE	IF	CITATIONS
325	Quantum phases in circuit QED with a superconducting qubit array. Scientific Reports, 2014, 4, 4083.	1.6	45
326	Controllable single-photon transport between remote coupled-cavity arrays. Physical Review A, 2016, 93, .	1.0	45
327	Temporal steering and security of quantum key distribution with mutually unbiased bases against individual attacks. Physical Review A, 2016, 93, .	1.0	45
328	Superradiance with local phase-breaking effects. Physical Review A, 2017, 96, .	1.0	45
329	Superconducting-normal phase boundary of quasicrystalline arrays in a magnetic field. Physical Review B, 1987, 36, 8338-8342.	1.1	44
330	Brownian transport in corrugated channels with inertia. Physical Review E, 2012, 86, 021112.	0.8	44
331	Spin squeezing under non-Markovian channels by the hierarchy equation method. Physical Review A, 2012, 86, .	1.0	44
332	Tunable quantum dots in monolayer graphene. Physical Review B, 2012, 85, .	1.1	44
333	Optimal two-qubit tomography based on local and global measurements: Maximal robustness against errors as described by condition numbers. Physical Review A, 2014, 90, .	1.0	44
334	Two-photon blockade and photon-induced tunneling generated by squeezing. Physical Review A, 2019, 100, .	1.0	44
335	Macroscopic Einstein-Podolsky-Rosen pairs in superconducting circuits. Physical Review A, 2006, 73, .	1.0	43
336	Quantum chaos and critical behavior on a chip. Physical Review B, 2009, 80, .	1.1	43
337	Exact wave functions for an electron on a graphene triangular quantum dot. Physical Review B, 2010, 81, .	1.1	43
338	Graphene quantum dots formed by a spatial modulation of the Dirac gap. Applied Physics Letters, 2010, 97, .	1.5	43
339	Learning robust pulses for generating universal quantum gates. Scientific Reports, 2016, 6, 36090.	1.6	43
340	Scully-Lamb quantum laser model for parity-time-symmetric whispering-gallery microcavities: Gain saturation effects and nonreciprocity. Physical Review A, 2019, 99, .	1.0	43
341	Exceptional Point and Cross-Relaxation Effect in a Hybrid Quantum System. PRX Quantum, 2021, 2, .	3.5	43
342	Nonadiabatic geometric quantum computation with cat-state qubits via invariant-based reverse engineering. Physical Review Research, 2022, 4, .	1.3	43

#	ARTICLE	IF	CITATIONS
343	Interacting particles on a rocked ratchet: Rectification by condensation. <i>Physical Review E</i> , 2005, 71, 011107.	0.8	42
344	Macrorealism inequality for optoelectromechanical systems. <i>Physical Review B</i> , 2011, 84, .	1.1	42
345	Scalable quantum computer with superconducting circuits in the ultrastrong coupling regime. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	42
346	Cooling a mechanical resonator via coupling to a tunable double quantum dot. <i>Physical Review B</i> , 2009, 79, .	1.1	41
347	Majorana fermions in pinned vortices. <i>Physical Review B</i> , 2011, 84, .	1.1	41
348	Driven Brownian transport through arrays of symmetric obstacles. <i>Physical Review E</i> , 2012, 85, 011101.	0.8	41
349	Generating nonclassical photon states via longitudinal couplings between superconducting qubits and microwave fields. <i>Physical Review A</i> , 2015, 91, .	1.0	41
350	Entangling superconducting qubits in a multi-cavity system. <i>New Journal of Physics</i> , 2016, 18, 013025.	1.2	41
351	All-optical reversible single-photon isolation at room temperature. <i>Science Advances</i> , 2021, 7, .	4.7	41
352	Spin-Hall effect of light at a tilted polarizer. <i>Optics Letters</i> , 2019, 44, 4781.	1.7	41
353	Mean-field theory of sandpile avalanches: From the intermittent- to the continuous-flow regime. <i>Physical Review E</i> , 1993, 48, 4095-4098.	0.8	40
354	Booming Sand. <i>Scientific American</i> , 1997, 277, 84-89.	1.0	40
355	Biologically inspired devices for easily controlling the motion of magnetic flux quanta. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 18, 318-319.	1.3	40
356	Quantum effects in energy and charge transfer in an artificial photosynthetic complex. <i>Journal of Chemical Physics</i> , 2011, 134, 244103.	1.2	40
357	Non-Markovian quantum input-output networks. <i>Physical Review A</i> , 2013, 87, .	1.0	40
358	Encoding a qubit with Majorana modes in superconducting circuits. <i>Scientific Reports</i> , 2014, 4, 5535.	1.6	40
359	Spin-Momentum Locking in the Near Field of Metal Nanoparticles. <i>ACS Photonics</i> , 2017, 4, 2242-2249.	3.2	40
360	Transmission and frequency spectra of acoustic phonons in Thue-Morse superlattices. <i>Physical Review B</i> , 1989, 40, 9790-9801.	1.1	39

#	ARTICLE	IF	CITATIONS
361	Signal mixing in a ratchet device: commensurability and current control. <i>European Physical Journal B</i> , 2004, 40, 403-408.	0.6	39
362	Engineering quantum pure states of a trapped cold ion beyond the Lamb-Dicke limit. <i>Physical Review A</i> , 2004, 70, .	1.0	39
363	Rabi oscillations in a qubit coupled to a quantum two-level system. <i>New Journal of Physics</i> , 2006, 8, 103-103.	1.2	39
364	Quantum electromechanics: qubits from buckling nanobars. <i>New Journal of Physics</i> , 2006, 8, 105-105.	1.2	39
365	Negative differential resistivity in superconductors with periodic arrays of pinning sites. <i>Physical Review B</i> , 2007, 75, .	1.1	39
366	Efficient quantum algorithm for preparing molecular-system-like states on a quantum computer. <i>Physical Review A</i> , 2009, 79, .	1.0	39
367	Metal-insulator transition and phase separation in doped AA-stacked graphene bilayer. <i>Physical Review B</i> , 2013, 87, .	1.1	39
368	Photon-mediated electron transport in hybrid circuit-QED. <i>Europhysics Letters</i> , 2013, 103, 17005.	0.7	39
369	Feedback control of Rabi oscillations in circuit QED. <i>Physical Review A</i> , 2013, 88, .	1.0	39
370	Leggett-Garg inequality violations with a large ensemble of qubits. <i>Physical Review A</i> , 2016, 94, .	1.0	39
371	Simple preparation of Bell and Greenberger-Horne-Zeilinger states using ultrastrong-coupling circuit QED. <i>Physical Review A</i> , 2018, 98, .	1.0	39
372	Liouvillian exceptional points of any order in dissipative linear bosonic systems: Coherence functions and switching between $\langle \text{PT} \rangle$ and anti- $\langle \text{PT} \rangle$ symmetries. <i>Physical Review A</i> , 2020, 102, .	1.0	39
373	Thermal conductivity of $\text{YBa}_2\text{Cu}_3\text{O}_7$ in a magnetic field: Can $\hat{\rho}(\text{H})$ probe the vortex state?. <i>Physical Review Letters</i> , 1991, 67, 3856-3859.	2.9	38
374	Magnetic Raman Scattering in Two-Dimensional Spin-1/2 Heisenberg Antiferromagnets: Spectral Shape Anomaly and Magnetostrictive Effects. <i>Physical Review Letters</i> , 1995, 75, 553-556.	2.9	38
375	Enhancing the critical current in quasiperiodic pinning arrays below and above the matching magnetic flux. <i>Physical Review B</i> , 2010, 82, .	1.1	38
376	Ballistic charge transport in graphene and light propagation in periodic dielectric structures with metamaterials: A comparative study. <i>Physical Review B</i> , 2013, 87, .	1.1	38
377	Phase-space interference of states optically truncated by quantum scissors: Generation of distinct superpositions of qudit coherent states by displacement of vacuum. <i>Physical Review A</i> , 2014, 89, .	1.0	38
378	Certifying single-system steering for quantum-information processing. <i>Physical Review A</i> , 2015, 92, .	1.0	38

#	ARTICLE	IF	CITATIONS
379	Heralded quantum controlled-phase gates with dissipative dynamics in macroscopically distant resonators. <i>Physical Review A</i> , 2017, 96, .	1.0	38
380	Quantum interference in superconducting wire networks and Josephson junction arrays: An analytical approach based on multiple-loop Aharonov-Bohm Feynman path integrals. <i>Physical Review B</i> , 2002, 65, .	1.1	37
381	Surface Josephson Plasma Waves in Layered Superconductors above the Plasma Frequency: Evidence for a Negative Index of Refraction. <i>Physical Review Letters</i> , 2010, 104, 187003.	2.9	37
382	Amplitude spectroscopy of two coupled qubits. <i>Physical Review B</i> , 2012, 85, .	1.1	37
383	Inverse Landau-Zener-Stückelberg problem for qubit-resonator systems. <i>Physical Review B</i> , 2012, 85, .	1.1	37
384	Controllable microwave three-wave mixing via a single three-level superconducting quantum circuit. <i>Scientific Reports</i> , 2014, 4, 7289.	1.6	37
385	Anomalous time delays and quantum weak measurements in optical micro-resonators. <i>Nature Communications</i> , 2016, 7, 13488.	5.8	37
386	Coherent Phonon Rabi Oscillations with a High-Frequency Carbon Nanotube Phonon Cavity. <i>Nano Letters</i> , 2017, 17, 915-921.	4.5	37
387	Holonomic surface codes for fault-tolerant quantum computation. <i>Physical Review A</i> , 2018, 97, .	1.0	37
388	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
389	Quantifying the nonclassicality of pure dephasing. <i>Nature Communications</i> , 2019, 10, 3794.	5.8	37
390	Validity of mean-field theory in a dissipative critical system: Liouvillian gap, \mathcal{PT} -symmetric antigap, and permutational symmetry in the X - Y - Z model. <i>Physical Review B</i> , 2020, 101, .	1.1	37
391	Quantum and semiclassical exceptional points of a linear system of coupled cavities with losses and gain within the Scully-Lamb laser theory. <i>Physical Review A</i> , 2020, 101, .	1.0	37
392	Vortex Plastic Motion in Twinned Superconductors. <i>Physical Review Letters</i> , 1996, 77, 3625-3628.	2.9	36
393	Measuring the quality factor of a microwave cavity using superconducting qubit devices. <i>Physical Review A</i> , 2005, 72, .	1.0	36
394	Atomic physics with a circuit. <i>Nature Physics</i> , 2008, 4, 589-590.	6.5	36
395	Experimental test of non-macrorealistic cat states in the cloud. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	36
396	Aperiodic superconducting phase boundary of periodic micronetworks in a magnetic field. <i>Physical Review B</i> , 1988, 37, 2364-2367.	1.1	35

#	ARTICLE	IF	CITATIONS
397	Electronic structure of single- and multiple-shell carbon fullerenes. <i>Physical Review B</i> , 1994, 49, 5020-5023.	1.1	35
398	Layered superconductors as nonlinear waveguides for terahertz waves. <i>Physical Review B</i> , 2007, 75, .	1.1	35
399	Control of photon propagation via electromagnetically induced transparency in lossless media. <i>Physical Review A</i> , 2007, 75, .	1.0	35
400	Voltage-driven quantum oscillations in graphene. <i>New Journal of Physics</i> , 2008, 10, 053024.	1.2	35
401	Weak-value amplification of light deflection by a dark atomic ensemble. <i>Physical Review A</i> , 2013, 88, .	1.0	35
402	Reflective Amplification without Population Inversion from a Strongly Driven Superconducting Qubit. <i>Physical Review Letters</i> , 2018, 120, 063603.	2.9	35
403	Visible Light Actuated Efficient Exclusion Between Plasmonic Ag/AgCl Micromotors and Passive Beads. <i>Small</i> , 2018, 14, e1802537.	5.2	35
404	Externally Controlled Magnetism and Band Gap in Twisted Bilayer Graphene. <i>Physical Review Letters</i> , 2018, 120, 266402.	2.9	35
405	Vanishing and Revival of Resonance Raman Scattering. <i>Physical Review Letters</i> , 2019, 123, 223202.	2.9	35
406	Water droplet avalanches. <i>Physical Review Letters</i> , 1993, 71, 2749-2752.	2.9	34
407	Testing Bell's inequality in a constantly coupled Josephson circuit by effective single-qubit operations. <i>Physical Review B</i> , 2005, 72, .	1.1	34
408	Nonuniform Self-Organized Dynamical States in Superconductors with Periodic Pinning. <i>Physical Review Letters</i> , 2006, 96, 127004.	2.9	34
409	Generalized switchable coupling for superconducting qubits using double resonance. <i>Physical Review B</i> , 2006, 74, .	1.1	34
410	Detecting quantum-coherent nanomechanical oscillations using the current-noise spectrum of a double quantum dot. <i>Physical Review B</i> , 2008, 78, .	1.1	34
411	Perfect function transfer and interference effects in interacting boson lattices. <i>Physical Review A</i> , 2009, 80, .	1.0	34
412	Generating stationary entangled states in superconducting qubits. <i>Physical Review A</i> , 2009, 79, .	1.0	34
413	Bistable Photon Emission from a Solid-State Single-Atom Laser. <i>Physical Review Letters</i> , 2015, 115, 216803.	2.9	34
414	Experimental temporal quantum steering. <i>Scientific Reports</i> , 2016, 6, 38076.	1.6	34

#	ARTICLE	IF	CITATIONS
415	Superradiance with an ensemble of superconducting flux qubits. <i>Physical Review B</i> , 2016, 94, .	1.1	34
416	Confined Catalytic Janus Swimmers in a Crowded Channel: Geometry-Driven Rectification Transients and Directional Locking. <i>Small</i> , 2016, 12, 5882-5890.	5.2	34
417	Experimental quantum forgery of quantum optical money. <i>Npj Quantum Information</i> , 2017, 3, .	2.8	34
418	Coherent transfer of electron spin correlations assisted by dephasing noise. <i>Nature Communications</i> , 2018, 9, 2133.	5.8	34
419	Cooper-pair-box qubits in a quantum electrodynamic cavity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 18, 33-34.	1.3	33
420	$\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{A} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{A} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$ bilayer graphene in an applied electric field: Tunable antiferromagnetism and coexisting exciton order parameter. <i>Physical Review B</i> , 2014, 90, .	1.1	33
421	Tunneling spectrum of a pinned vortex with a robust Majorana state. <i>Physical Review B</i> , 2014, 89, .	1.1	33
422	Multistability and condensation of exciton-polaritons below threshold. <i>Physical Review B</i> , 2015, 91, .	1.1	33
423	Generation of a macroscopic entangled coherent state using quantum memories in circuit QED. <i>Scientific Reports</i> , 2016, 6, 32004.	1.6	33
424	Hybrid Quantum System with Nitrogen-Vacancy Centers in Diamond Coupled to Surface-Phonon Polaritons in Piezomagnetic Superlattices. <i>Physical Review Applied</i> , 2018, 10, .	1.5	33
425	Topologically Protected Quantum Coherence in a Superatom. <i>Physical Review Letters</i> , 2020, 124, 023603.	2.9	33
426	Critical Dynamics of Burst Instabilities in the Portevin-Le Châtelier Effect. <i>Physical Review Letters</i> , 2000, 85, 4096-4099.	2.9	32
427	Modelling chemical reactions using semiconductor quantum dots. <i>Europhysics Letters</i> , 2007, 80, 67008.	0.7	32
428	Photon-assisted Landau-Zener transition: Role of coherent superposition states. <i>Physical Review A</i> , 2012, 86, .	1.0	32
429	Quantum anti-Zeno effect without wave function reduction. <i>Scientific Reports</i> , 2013, 3, .	1.6	32
430	Entangled-state generation and Bell inequality violations in nanomechanical resonators. <i>Physical Review B</i> , 2014, 90, .	1.1	32
431	Increasing relative nonclassicality quantified by standard entanglement potentials by dissipation and unbalanced beam splitting. <i>Physical Review A</i> , 2015, 92, .	1.0	32
432	Spacetime algebra as a powerful tool for electromagnetism. <i>Physics Reports</i> , 2015, 589, 1-71.	10.3	32

#	ARTICLE	IF	CITATIONS
433	Polariton states in circuit QED for electromagnetically induced transparency. <i>Physical Review A</i> , 2016, 93, .	1.0	32
434	Hole Spin Resonance and Spin-Orbit Coupling in a Silicon Metal-Oxide-Semiconductor Field-Effect Transistor. <i>Physical Review Letters</i> , 2017, 119, 156802.	2.9	32
435	Position, spin, and orbital angular momentum of a relativistic electron. <i>Physical Review A</i> , 2017, 96, .	1.0	32
436	Acoustic versus electromagnetic field theory: scalar, vector, spinor representations and the emergence of acoustic spin. <i>New Journal of Physics</i> , 2020, 22, 053050.	1.2	32
437	Quantum Bits with Josephson Junctions. <i>Springer Series in Materials Science</i> , 2019, , 703-741.	0.4	32
438	Higher-Order Weyl-Exceptional-Ring Semimetals. <i>Physical Review Letters</i> , 2021, 127, 196801.	2.9	32
439	Achieving optimal rectification using underdamped rocked ratchets. <i>Physical Review E</i> , 2006, 73, 021102.	0.8	31
440	Controlled terahertz frequency response and transparency of Josephson chains and superconducting multilayers. <i>Physical Review B</i> , 2007, 75, .	1.1	31
441	Quantum electromechanics: Quantum tunneling near resonance and qubits from buckling nanoscale bars. <i>Physical Review B</i> , 2007, 75, .	1.1	31
442	Universal existence of exact quantum state transmissions in interacting media. <i>Physical Review A</i> , 2009, 80, .	1.0	31
443	Weak and strong measurement of a qubit using a switching-based detector. <i>Physical Review A</i> , 2009, 79, .	1.0	31
444	Quantum technologies: an old new story. <i>Physics World</i> , 2012, 25, 16-17.	0.0	31
445	Entanglement generation and quantum information transfer between spatially-separated qubits in different cavities. <i>New Journal of Physics</i> , 2013, 15, 115003.	1.2	31
446	Modulated electromechanics: large enhancements of nonlinearities. <i>New Journal of Physics</i> , 2014, 16, 072001.	1.2	31
447	Optimizing co-operative multi-environment dynamics in a dark-state-enhanced photosynthetic heat engine. <i>Journal of Chemical Physics</i> , 2018, 149, 084112.	1.2	31
448	Speeding up a quantum refrigerator via counterdiabatic driving. <i>Physical Review B</i> , 2019, 100, .	1.1	31
449	Many-body effects in twisted bilayer graphene at low twist angles. <i>Physical Review B</i> , 2019, 100, .	1.1	31
450	Magnetic and mechanical buckling: Modified Landau theory approach to study phase transitions in micromagnetic disks and compressed rods. <i>Physical Review B</i> , 2004, 70, .	1.1	30

#	ARTICLE	IF	CITATIONS
451	The information about the state of a qubit gained by a weakly coupled detector. <i>New Journal of Physics</i> , 2009, 11, 083017.	1.2	30
452	Geometric stochastic resonance in a double cavity. <i>Physical Review E</i> , 2011, 84, 011109.	0.8	30
453	Antiferromagnetic states and phase separation in doped AA-stacked graphene bilayers. <i>Physical Review B</i> , 2013, 88, .	1.1	30
454	Classical Field Approach to Quantum Weak Measurements. <i>Physical Review Letters</i> , 2014, 112, 110407.	2.9	30
455	Majorana bound states in a disordered quantum dot chain. <i>New Journal of Physics</i> , 2016, 18, 043033.	1.2	30
456	Mode coupling and photon antibunching in a bimodal cavity containing a dipole quantum emitter. <i>Physical Review A</i> , 2016, 93, .	1.0	30
457	Klein-Gordon Representation of Acoustic Waves and Topological Origin of Surface Acoustic Modes. <i>Physical Review Letters</i> , 2019, 123, 054301.	2.9	30
458	Plastic flow, voltage noise and vortex avalanches in superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 290, 89-97.	0.6	29
459	Diffusion of interacting Brownian particles: Jamming and anomalous diffusion. <i>Physical Review E</i> , 2006, 74, 021119.	0.8	29
460	The transition from quantum Zeno to anti-Zeno effects for a qubit in a cavity by varying the cavity frequency. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 349-357.	0.9	29
461	Multiple-output microwave single-photon source using superconducting circuits with longitudinal and transverse couplings. <i>Physical Review A</i> , 2016, 94, .	1.0	29
462	Observing pure effects of counter-rotating terms without ultrastrong coupling: A single photon can simultaneously excite two qubits. <i>Physical Review A</i> , 2017, 96, .	1.0	29
463	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
464	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
465	Vortex dynamics in superconductors with an array of triangular blind antidots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 18, 322-324.	1.3	28
466	Efficient purification protocols using SWAP gates in solid-state qubits. <i>Physical Review A</i> , 2008, 78, .	1.0	28
467	Spectroscopy of superconducting charge qubits coupled by a Josephson inductance. <i>Physical Review B</i> , 2008, 77, .	1.1	28
468	Squeezing as the source of inefficiency in the quantum Otto cycle. <i>Physical Review B</i> , 2012, 86, .	1.1	28

#	ARTICLE	IF	CITATIONS
469	Leggett-Garg inequality in electron interferometers. <i>Physical Review B</i> , 2012, 86, .	1.1	28
470	Single-electron gap in the spectrum of twisted bilayer graphene. <i>Physical Review B</i> , 2017, 95, .	1.1	28
471	Spatio-Temporal Steering for Testing Nonclassical Correlations in Quantum Networks. <i>Scientific Reports</i> , 2017, 7, 3728.	1.6	28
472	Entangling two oscillators with arbitrary asymmetric initial states. <i>Physical Review A</i> , 2017, 95, .	1.0	28
473	Einstein-Podolsky-Rosen steering: Its geometric quantification and witness. <i>Physical Review A</i> , 2018, 97, .	1.0	28
474	Proposal to test quantum wave-particle superposition on massive mechanical resonators. <i>Npj Quantum Information</i> , 2019, 5, .	2.8	28
475	Unconventional Quantum Sound-Matter Interactions in Spin-Optomechanical-Crystal Hybrid Systems. <i>Physical Review Letters</i> , 2021, 126, 203601.	2.9	28
476	Exceptional Photon Blockade: Engineering Photon Blockade with Chiral Exceptional Points. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	28
477	Nonreciprocal Single-Photon Band Structure. <i>Physical Review Letters</i> , 2022, 128, .	2.9	28
478	Sound-producing sand avalanches. <i>Contemporary Physics</i> , 1997, 38, 329-342.	0.8	27
479	THz detectors using surface Josephson plasma waves in layered superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 445-448, 183-185.	0.6	27
480	Phase separation of antiferromagnetic ground states in systems with imperfect nesting. <i>Physical Review B</i> , 2013, 87, .	1.1	27
481	Electronic phase separation in iron pnictides. <i>Physical Review B</i> , 2013, 88, .	1.1	27
482	Qubit-Based Memcapacitors and Meminductors. <i>Physical Review Applied</i> , 2016, 6, .	1.5	27
483	Spin-Valley Half-Metal as a Prospective Material for Spin Valleytronics. <i>Physical Review Letters</i> , 2017, 119, 107601.	2.9	27
484	Relativistic spin-orbit interactions of photons and electrons. <i>Physical Review A</i> , 2018, 97, .	1.0	27
485	Fundamental limits for reciprocal and nonreciprocal non-Hermitian quantum sensing. <i>Physical Review A</i> , 2021, 103, .	1.0	27
486	Fast binomial-code holonomic quantum computation with ultrastrong light-matter coupling. <i>Physical Review Research</i> , 2021, 3, .	1.3	27

#	ARTICLE	IF	CITATIONS
487	Strong spin squeezing induced by weak squeezing of light inside a cavity. <i>Nanophotonics</i> , 2020, 9, 4853-4868.	2.9	27
488	Strain Accumulation in Quasicrystalline Solids. <i>Physical Review Letters</i> , 1988, 61, 2774-2777.	2.9	26
489	Thue-Morse quantum Ising model. <i>Physical Review B</i> , 1989, 39, 6802-6806.	1.1	26
490	Nanoscale Friction: Kinetic Friction of Magnetic Flux Quanta and Charge Density Waves. <i>Physical Review Letters</i> , 2005, 94, 077001.	2.9	26
491	High-Efficiency Energy Conversion in a Molecular Triad Connected to Conducting Leads. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21218-21224.	1.5	26
492	Photoluminescence of a microcavity quantum dot system in the quantum strong-coupling regime. <i>Scientific Reports</i> , 2013, 3, 1180.	1.6	26
493	Gauge invariance of the Dicke and Hopfield models. <i>Physical Review A</i> , 2020, 102, .	1.0	26
494	Observing Information Backflow from Controllable Non-Markovian Multichannels in Diamond. <i>Physical Review Letters</i> , 2020, 124, 210502.	2.9	26
495	Domino cooling of a coupled mechanical-resonator chain via cold-damping feedback. <i>Physical Review A</i> , 2021, 103, .	1.0	26
496	Significant enhancement in refrigeration and entanglement in auxiliary-cavity-assisted optomechanical systems. <i>Physical Review A</i> , 2021, 104, .	1.0	26
497	YBa ₂ Cu ₃ O _{7-δ} films: Calculation of the thermal conductivity and phonon mean-free path. <i>Journal of Applied Physics</i> , 1992, 72, 4788-4791.	1.1	25
498	Controllable stepmotors and rectifiers of magnetic flux quanta. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 404, 260-265.	0.6	25
499	Josephson vortex lattices as scatterers of terahertz radiation: Giant magneto-optical effect and Doppler effect using terahertz tunable photonic crystals. <i>Physical Review B</i> , 2006, 74, .	1.1	25
500	Broad distribution of stick-slip events in Slowly Sheared Granular Media: Table-top production of a Gutenberg-Richter-like distribution. <i>Europhysics Letters</i> , 2006, 74, 1116-1122.	0.7	25
501	Observing quantum nonlocality in the entanglement between modes of massive particles. <i>Physical Review A</i> , 2007, 75, .	1.0	25
502	Electron-Beam Instability in Left-Handed Media. <i>Physical Review Letters</i> , 2008, 100, 244803.	2.9	25
503	Surface plasma waves across the layers of intrinsic Josephson junctions. <i>Physical Review B</i> , 2008, 78, .	1.1	25
504	Measurement-based quantum phase estimation algorithm for finding eigenvalues of non-unitary matrices. <i>Physical Review A</i> , 2010, 82, .	1.0	25

#	ARTICLE	IF	CITATIONS
505	Quantum state tomography of large nuclear spins in a semiconductor quantum well: Optimal robustness against errors as quantified by condition numbers. <i>Physical Review B</i> , 2015, 92, .	1.1	25
506	Two-color electromagnetically induced transparency via modulated coupling between a mechanical resonator and a qubit. <i>Physical Review A</i> , 2018, 98, .	1.0	25
507	Quantum Interferometry with a γ -Factor-Tunable Spin Qubit. <i>Physical Review Letters</i> , 2019, 122, 207703.	2.9	25
508	Shortcuts to Adiabatic Pumping in Classical Stochastic Systems. <i>Physical Review Letters</i> , 2020, 124, 150603.	2.9	25
509	Classification and reconstruction of optical quantum states with deep neural networks. <i>Physical Review Research</i> , 2021, 3, .	1.3	25
510	Field theory spin and momentum in water waves. <i>Science Advances</i> , 2022, 8, eabm1295.	4.7	25
511	Reversible diodes for moving quanta. <i>Nature Physics</i> , 2006, 2, 227-228.	6.5	24
512	Switchable coupling for superconducting qubits using double resonance in the presence of crosstalk. <i>Physical Review B</i> , 2007, 76, .	1.1	24
513	Modeling light-driven proton pumps in artificial photosynthetic reaction centers. <i>Journal of Chemical Physics</i> , 2009, 131, 035102.	1.2	24
514	Magnetic vortex as a ground state for micron-scale antiferromagnetic samples. <i>Physical Review B</i> , 2010, 81, .	1.1	24
515	Entanglement amplification via local weak measurements. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 415303.	0.7	24
516	Vibrationally mediated transport in molecular transistors. <i>Physical Review B</i> , 2013, 87, .	1.1	24
517	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
518	Detecting non-Markovianity via quantified coherence: theory and experiments. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	24
519	Experimental demonstration of measurement-device-independent measure of quantum steering. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	24
520	Pulse-level noisy quantum circuits with QuTiP. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 6, 630.	0.0	24
521	Does frustration describe doping in models for high-temperature superconductors?. <i>Physical Review Letters</i> , 1992, 68, 240-243.	2.9	23
522	Dynamic vortex phases and pinning in superconductors with twin boundaries. <i>Physical Review B</i> , 2000, 61, 3665-3671.	1.1	23

#	ARTICLE	IF	CITATIONS
523	Anomalous interstitial dynamics, Stokesâ€™ drift, and current inversion in AC-driven vortex lattices in superconductors with arrays of asymmetric double-well traps. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 325, 78-91.	1.2	23
524	Quantum tomography for solid-state qubits. <i>Europhysics Letters</i> , 2004, 67, 874-880.	0.7	23
525	Controlling the motion of interacting particles: Homogeneous systems and binary mixtures. <i>Chaos</i> , 2005, 15, 026112.	1.0	23
526	Generation of Macroscopic Entangled States in Coupled Superconducting Phase Qubits. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 054802.	0.7	23
527	Modeling an Adiabatic Quantum Computer via an Exact Map to a Gas of Particles. <i>Physical Review Letters</i> , 2007, 98, 120503.	2.9	23
528	Excitation of surface Josephson plasma waves in layered superconductors. <i>Physical Review B</i> , 2007, 76, .	1.1	23
529	Spatial Landau-Zener-Stückelberg interference in spinor Bose-Einstein condensates. <i>Physical Review A</i> , 2011, 83, .	1.0	23
530	Amplitude and phase effects in Josephson qubits driven by a biharmonic electromagnetic field. <i>Physical Review B</i> , 2014, 90, .	1.1	23
531	Temporal steering in four dimensions with applications to coupled qubits and magnetoreception. <i>Physical Review A</i> , 2016, 94, .	1.0	23
532	A silicon-based single-electron interferometer coupled to a fermionic sea. <i>Physical Review B</i> , 2018, 97, .	1.1	23
533	Hierarchy in temporal quantum correlations. <i>Physical Review A</i> , 2018, 98, .	1.0	23
534	Ideal Quantum Nondemolition Readout of a Flux Qubit without Purcell Limitations. <i>Physical Review Applied</i> , 2019, 12, .	1.5	23
535	Topology-Enhanced Nonreciprocal Scattering and Photon Absorption in a Waveguide. <i>Physical Review Applied</i> , 2021, 15, .	1.5	23
536	Symmetries and conserved quantities of boundary time crystals in generalized spin models. <i>Physical Review B</i> , 2021, 104, .	1.1	23
537	Hybridized solid-state qubit in the charge-flux regime. <i>Physical Review B</i> , 2006, 73, .	1.1	22
538	Detecting mode entanglement: The role of coherent states, superselection rules, and particle statistics. <i>Physical Review A</i> , 2007, 76, .	1.0	22
539	Shape Waves in 2D Josephson Junctions: Exact Solutions and Time Dilation. <i>Physical Review Letters</i> , 2008, 101, 127002.	2.9	22
540	Topological quantum phase transition in the extended Kitaev spin model. <i>Physical Review B</i> , 2009, 79, .	1.1	22

#	ARTICLE	IF	CITATIONS
541	Quantum metamaterials: Electromagnetic waves in Josephson qubit lines. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 955-960.	0.7	22
542	Detectable inertial effects on Brownian transport through narrow pores. <i>Europhysics Letters</i> , 2012, 98, 50002.	0.7	22
543	Quantum internet using code division multiple access. <i>Scientific Reports</i> , 2013, 3, 2211.	1.6	22
544	Majorana fermions at the edge of superconducting islands. <i>Physical Review B</i> , 2015, 92, .	1.1	22
545	Hybrid quantum device with a carbon nanotube and a flux qubit for dissipative quantum engineering. <i>Physical Review B</i> , 2017, 95, .	1.1	22
546	Low-frequency spectroscopy for quantum multilevel systems. <i>Physical Review B</i> , 2018, 98, .	1.1	22
547	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
548	$T_c(H)$ for quasicrystalline micronetworks: Analytical and numerical results. <i>Physica B: Condensed Matter</i> , 1988, 152, 105-112.	1.3	21
549	Marginal Stability and Chaos in Coupled Faults Modeled by Nonlinear Circuits. <i>Physical Review Letters</i> , 1995, 74, 74-77.	2.9	21
550	Coupling Josephson qubits via a current-biased information bus. <i>Europhysics Letters</i> , 2004, 67, 1004-1010.	0.7	21
551	Using Josephson vortex lattices to generate, detect and control THz radiation. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 437-438, 281-284.	0.6	21
552	Variable-frequency-controlled coupling in charge qubit circuits: Effects of microwave field on qubit-state readout. <i>Physical Review A</i> , 2007, 76, .	1.0	21
553	Rerouting excitation transfers in the Fenna-Matthews-Olson complex. <i>Physical Review E</i> , 2013, 88, 032120.	0.8	21
554	Photonic multipartite entanglement conversion using nonlocal operations. <i>Physical Review A</i> , 2016, 94, .	1.0	21
555	Lifetime of flatband states. <i>Physical Review B</i> , 2018, 98, .	1.1	21
556	Ultradense Tailored Vortex Pinning Arrays in Superconducting $YBa_2Cu_3O_{7-x}$ 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
557	Resource-efficient analyzer of Bell and Greenberger-Horne-Zeilinger states of multiphoton systems. <i>Physical Review A</i> , 2019, 100, .	1.0	21
558	Securing quantum networking tasks with multipartite Einstein-Podolsky-Rosen steering. <i>Physical Review A</i> , 2019, 99, .	1.0	21

#	ARTICLE	IF	CITATIONS
559	Eigenstate extraction with neural-network tomography. <i>Physical Review A</i> , 2020, 102, .	1.0	21
560	Generating high-order quantum exceptional points in synthetic dimensions. <i>Physical Review A</i> , 2021, 104, .	1.0	21
561	Knotted polarizations and spin in three-dimensional polychromatic waves. <i>Physical Review Research</i> , 2020, 2, .	1.3	21
562	Einstein's quantum elevator: Hermitization of non-Hermitian Hamiltonians via a generalized vielbein formalism. <i>Physical Review Research</i> , 2022, 4, .	1.3	21
563	Nonlinear amplifier and frequency shifter using a tunable periodic drive. <i>Physical Review E</i> , 2005, 72, 056136.	0.8	20
564	Nonlinear electrodynamics in layered superconductors. <i>Physical Review B</i> , 2008, 78, .	1.1	20
565	Anomalous Temperature Dependence of the Casimir Force for Thin Metal Films. <i>Physical Review Letters</i> , 2008, 101, 096803.	2.9	20
566	Drastic change of the Casimir force at the metal-insulator transition. <i>Physical Review B</i> , 2009, 80, .	1.1	20
567	Quantum algorithm for obtaining the energy spectrum of a physical system. <i>Physical Review A</i> , 2012, 85, .	1.0	20
568	Time-Domain Grating with a Periodically Driven Qutrit. <i>Physical Review Applied</i> , 2019, 11, .	1.5	20
569	Landau-Zener-Stückelberg-Majorana interferometry of a superconducting qubit in front of a mirror. <i>Physical Review B</i> , 2020, 102, .	1.1	20
570	Dissipation-induced bistability in the two-photon Dicke model. <i>Scientific Reports</i> , 2020, 10, 13408.	1.6	20
571	Spin squeezing by one-photon two-atom excitation processes in atomic ensembles. <i>Physical Review A</i> , 2020, 101, .	1.0	20
572	Gauge freedom, quantum measurements, and time-dependent interactions in cavity QED. <i>Physical Review Research</i> , 2021, 3, .	1.3	20
573	Optomechanical dynamics in the \mathcal{PT} - and broken- \mathcal{PT} -symmetric regimes. <i>Physical Review A</i> , 2021, 104, .	1.0	20
574	Metrological Characterization of Non-Gaussian Entangled States of Superconducting Qubits. <i>Physical Review Letters</i> , 2022, 128, 150501.	2.9	20
575	Phonon universal-transmission fluctuations and localization in semiconductor superlattices with a controlled degree of order. <i>Physical Review B</i> , 1993, 48, 14426-14435.	1.1	19
576	Distinguishing quantum from classical oscillations in a driven phase qubit. <i>New Journal of Physics</i> , 2008, 10, 073026.	1.2	19

#	ARTICLE	IF	CITATIONS
577	Entanglement purification without controlled-NOT gates by using the natural dynamics of spin chains. <i>Physical Review A</i> , 2008, 78, .	1.0	19
578	Chirality tunneling and quantum dynamics for domain walls in mesoscopic ferromagnets. <i>Physical Review B</i> , 2008, 77, .	1.1	19
579	Shape and wobbling wave excitations in Josephson junctions: Exact solutions of the \sinh -Gordon model. <i>Physical Review B</i> , 2009, 80, .	1.1	19
580	Resonant electromagnetic emission from intrinsic Josephson-junction stacks in a magnetic field. <i>Physical Review B</i> , 2009, 79, .	1.1	19
581	Two-qubit gate operations in superconducting circuits with strong coupling and weak anharmonicity. <i>New Journal of Physics</i> , 2012, 14, 073041.	1.2	19
582	Implementing general measurements on linear optical and solid-state qubits. <i>Physical Review A</i> , 2012, 85, .	1.0	19
583	Conversion of Terahertz Wave Polarization at the Boundary of a Layered Superconductor due to the Resonance Excitation of Oblique Surface Waves. <i>Physical Review Letters</i> , 2012, 109, 027005.	2.9	19
584	Photodetection probability in quantum systems with arbitrarily strong light-matter interaction. <i>Scientific Reports</i> , 2018, 8, 17825.	1.6	19
585	Unconventional cavity optomechanics: Nonlinear control of phonons in the acoustic quantum vacuum. <i>Physical Review A</i> , 2019, 100, .	1.0	19
586	Inverse Solidification Induced by Active Janus Particles. <i>Advanced Functional Materials</i> , 2020, 30, 2003851.	7.8	19
587	Solving quasiparticle band spectra of real solids using neural-network quantum states. <i>Communications Physics</i> , 2021, 4, .	2.0	19
588	Topological Invariants in Microscopic Transport on Rough Landscapes: Morphology, Hierarchical Structure, and Horton Analysis of Riverlike Networks of Vortices. <i>Physical Review Letters</i> , 1999, 82, 3641-3644.	2.9	18
589	Easily-controllable collective stepmotor of magnetic flux quanta. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 388-389, 665-666.	0.6	18
590	Coherent manipulation of coupled Josephson charge qubits. <i>Physica C: Superconductivity and Its Applications</i> , 2005, 426-431, 1552-1560.	0.6	18
591	Switchable coupling between charge and flux qubits. <i>Physical Review B</i> , 2007, 76, .	1.1	18
592	Disturbance without the force. <i>Nature</i> , 2008, 452, 298-299.	13.7	18
593	Information about the state of a charge qubit gained by a weakly coupled quantum point contact. <i>Physica Scripta</i> , 2009, T137, 014005.	1.2	18
594	Selective darkening of degenerate transitions for implementing quantum controlled-NOT gates. <i>New Journal of Physics</i> , 2012, 14, 073038.	1.2	18

#	ARTICLE	IF	CITATIONS
595	Phase separation of hydrogen atoms adsorbed on graphene and the smoothness of the graphene-graphane interface. <i>Physical Review B</i> , 2012, 85, .	1.1	18
596	Radical-pair model of magnetoreception with spin-orbit coupling. <i>New Journal of Physics</i> , 2013, 15, 083024.	1.2	18
597	Longitudinal magnetization reversal in ferromagnets with Heisenberg exchange and strong single-ion anisotropy. <i>Physical Review B</i> , 2013, 88, .	1.1	18
598	Spectral analysis and identification of noises in quantum systems. <i>Physical Review A</i> , 2013, 87, .	1.0	18
599	How to test the "quantumness" of a quantum computer?. <i>Frontiers in Physics</i> , 2014, 2, .	1.0	18
600	Terahertz transverse-electric- and transverse-magnetic-polarized waves localized on graphene in photonic crystals. <i>Physical Review B</i> , 2014, 90, .	1.1	18
601	Toroidal qubits: naturally-decoupled quiet artificial atoms. <i>Scientific Reports</i> , 2015, 5, 16934.	1.6	18
602	Optimization of lattice surgery is NP-hard. <i>Npj Quantum Information</i> , 2017, 3, .	2.8	18
603	Amplified and tunable transverse and longitudinal spin-photon coupling in hybrid circuit-QED. <i>Physical Review B</i> , 2018, 97, .	1.1	18
604	Simulating quantum dynamical phenomena using classical oscillators: Landau-Zener-Stückelberg-Majorana interferometry, latching modulation, and motional averaging. <i>Scientific Reports</i> , 2018, 8, 12218.	1.6	18
605	Experimental demonstration of quantum walks with initial superposition states. <i>Npj Quantum Information</i> , 2019, 5, .	2.8	18
606	Spin density wave and electron nematicity in magic-angle twisted bilayer graphene. <i>Physical Review B</i> , 2020, 102, .	1.1	18
607	Simulating ultrastrong-coupling processes breaking parity conservation in Jaynes-Cummings systems. <i>Physical Review A</i> , 2020, 102, .	1.0	18
608	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
609	Experimentally realizable devices for domain wall motion control. <i>New Journal of Physics</i> , 2005, 7, 82-82.	1.2	17
610	Tunable photonic crystal for THz radiation in layered superconductors: Strong magnetic-field dependence of the transmission coefficient. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 445-448, 180-182.	0.6	17
611	Quantum information processing using frequency control of impurity spins in diamond. <i>Physical Review B</i> , 2007, 76, .	1.1	17
612	Kinetics of proton pumping in cytochrome c oxidase. <i>Journal of Chemical Physics</i> , 2009, 130, 235105.	1.2	17

#	ARTICLE	IF	CITATIONS
613	Detecting non-Markovian plasmonic band gaps in quantum dots using electron transport. <i>Physical Review B</i> , 2009, 79, .	1.1	17
614	Quantum Football. <i>Science</i> , 2009, 325, 689-690.	6.0	17
615	Artificial photosynthetic reaction centers coupled to light-harvesting antennas. <i>Physical Review E</i> , 2011, 84, 061138.	0.8	17
616	Disorder-induced cavities, resonances, and lasing in randomly layered media. <i>Physical Review B</i> , 2012, 86, .	1.1	17
617	Determining eigenvalues of a density matrix with minimal information in a single experimental setting. <i>Physical Review A</i> , 2014, 89, .	1.0	17
618	Energy transfer efficiency in the chromophore network strongly coupled to a vibrational mode. <i>Physical Review E</i> , 2015, 92, 052720.	0.8	17
619	Anisotropic Exclusion Effect between Photocatalytic Ag/AgCl Janus Particles and Passive Beads in a Dense Colloidal Matrix. <i>Langmuir</i> , 2020, 36, 7091-7099.	1.6	17
620	Experimental demonstration of coherence flow in PT- and anti-PT-symmetric systems. <i>Communications Physics</i> , 2021, 4, .	2.0	17
621	Matrix-Model Simulations Using Quantum Computing, Deep Learning, and Lattice Monte Carlo. <i>PRX Quantum</i> , 2022, 3, .	3.5	17
622	Dissipative Topological Phase Transition with Strong System-Environment Coupling. <i>Physical Review Letters</i> , 2021, 127, 250402.	2.9	17
623	Generation of tunable terahertz radiation using Josephson vortices: Transition and Cherenkov radiation. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 445-448, 175-179.	0.6	16
624	Why macroscopic quantum tunnelling in Josephson junctions differs from tunnelling of a quantum particle. <i>Europhysics Letters</i> , 2007, 80, 17009.	0.7	16
625	Nonlocal macroscopic quantum tunneling and quantum terahertz electrodynamics in layered superconductors: Theory and simulations. <i>Physical Review B</i> , 2008, 77, .	1.1	16
626	Resonance effects due to the excitation of surface Josephson plasma waves in layered superconductors. <i>Physical Review B</i> , 2009, 79, .	1.1	16
627	Bell's experiment with intra- and inter-pair entanglement: Single-particle mode entanglement as a case study. <i>Physical Review A</i> , 2009, 80, .	1.0	16
628	Electrostatic models of electron-driven proton transfer across a lipid membrane. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 234101.	0.7	16
629	Delocalized single-photon Dicke states and the Leggett-Garg inequality in solid state systems. <i>Scientific Reports</i> , 2012, 2, 869.	1.6	16
630	Excitation spectrum for an inhomogeneously dipole-field-coupled superconducting qubit chain. <i>Physical Review A</i> , 2012, 85, .	1.0	16

#	ARTICLE	IF	CITATIONS
631	Electrical current and coupled electron-nuclear spin dynamics in double quantum dots. Physical Review B, 2013, 87, .	1.1	16
632	Creating a tunable spin squeezing via a time-dependent collective atom-photon coupling. Physical Review A, 2014, 89, .	1.0	16
633	Spectrometric reconstruction of mechanical-motional states in optomechanics. Physical Review A, 2014, 90, .	1.0	16
634	Tunable Majorana fermion from Landau quantization in 2D topological superconductors. Physical Review B, 2016, 94, .	1.1	16
635	Disorder-Induced Dephasing in Backscattering-Free Quantum Transport. Physical Review Letters, 2017, 119, 176802.	2.9	16
636	Collectively induced exceptional points of quantum emitters coupled to nanoparticle surface plasmons. Physical Review A, 2020, 101, .	1.0	16
637	Two-level systems with periodic N -step driving fields: Exact dynamics and quantum state manipulations. Physical Review A, 2021, 104, .	1.0	16
638	Quantifying Quantumness of Channels Without Entanglement. PRX Quantum, 2022, 3, .	3.5	16
639	Strongly Localized Electrons in a Magnetic Field: Exact Results on Quantum Interference and Magnetoconductance. Physical Review Letters, 1996, 76, 4580-4583.	2.9	15
640	Förster mechanism of electron-driven proton pumps. Physical Review E, 2008, 77, 011919.	0.8	15
641	Unified single-photon and single-electron counting statistics: From cavity QED to electron transport. Physical Review A, 2010, 82, .	1.0	15
642	Quantum phase measurement and Gauss sum factorization of large integers in a superconducting circuit. Physical Review A, 2010, 82, .	1.0	15
643	Massless collective excitations in frustrated multiband superconductors. Physical Review B, 2013, 88, .	1.1	15
644	Delayed-response quantum back action in nanoelectromechanical systems. Physical Review B, 2015, 91, .	1.1	15
645	Floquet spectrum and driven conductance in Dirac materials: Effects of Landau-Zener-Stückelberg-Majorana interferometry. Physical Review B, 2016, 94, .	1.1	15
646	Lattice surgery translation for quantum computation. New Journal of Physics, 2017, 19, 013034.	1.2	15
647	Resonant Raman scattering of single molecules under simultaneous strong cavity coupling and ultrastrong optomechanical coupling in plasmonic resonators: Phonon-dressed polaritons. Physical Review B, 2021, 104, .	1.1	15
648	n -photon blockade with an n -photon parametric drive. Physical Review A, 2021, 104, .	1.0	15

#	ARTICLE	IF	CITATIONS
649	Quantum interference from sums over closed paths for electrons on a three-dimensional lattice in a magnetic field: Total energy, magnetic moment, and orbital susceptibility. <i>Physical Review B</i> , 1996, 53, 13374-13385.	1.1	14
650	Decoherence dynamics of a qubit coupled to a quantum two-level system. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 444, 45-52.	0.6	14
651	Two-qubit parametric amplifier: Large amplification of weak signals. <i>Physical Review A</i> , 2012, 85, .	1.0	14
652	Implementing a multi-target-qubit controlled-not gate with logical qubits outside a decoherence-free subspace and its application in creating quantum entangled states. <i>Physical Review A</i> , 2020, 101, .	1.0	14
653	Enhanced motility in a binary mixture of active nano/microswimmers. <i>Nanoscale</i> , 2020, 12, 9717-9726.	2.8	14
654	Gauge principle and gauge invariance in two-level systems. <i>Physical Review A</i> , 2021, 103, .	1.0	14
655	Noise-induced quantum coherence and persistent Rabi oscillations in a Josephson flux qubit. <i>Physical Review B</i> , 2009, 80, .	1.1	13
656	Equivalence condition for the canonical and microcanonical ensembles in coupled spin systems. <i>Physical Review E</i> , 2010, 82, 041127.	0.8	13
657	Self-induced tunable transparency in layered superconductors. <i>Physical Review B</i> , 2010, 82, .	1.1	13
658	Confidence and backaction in the quantum filter equation. <i>Physical Review A</i> , 2012, 86, .	1.0	13
659	Heat cost of parametric generation of microwave squeezed states. <i>Physical Review A</i> , 2012, 85, .	1.0	13
660	Coherent manipulation of a Majorana qubit by a mechanical resonator. <i>Physical Review B</i> , 2015, 92, .	1.1	13
661	Photon Devil's staircase: photon long-range repulsive interaction in lattices of coupled resonators with Rydberg atoms. <i>Scientific Reports</i> , 2015, 5, 11510.	1.6	13
662	Crosstalk-insensitive method for simultaneously coupling multiple pairs of resonators. <i>Physical Review A</i> , 2016, 93, .	1.0	13
663	Quantum evolution in disordered transport. <i>Physical Review A</i> , 2017, 96, .	1.0	13
664	Spin-valley half-metal in systems with Fermi surface nesting. <i>Physical Review B</i> , 2018, 98, .	1.1	13
665	Disorder-Robust Entanglement Transport. <i>Physical Review Letters</i> , 2019, 122, 066601.	2.9	13
666	Edge modes in two-dimensional electromagnetic slab waveguides: Analogs of acoustic plasmons. <i>Physical Review B</i> , 2020, 102, .	1.1	13

#	ARTICLE	IF	CITATIONS
667	The NV metamaterial: Tunable quantum hyperbolic metamaterial using nitrogen vacancy centers in diamond. <i>Physical Review B</i> , 2021, 104, .	1.1	13
668	Continuous dissipative phase transitions with or without symmetry breaking. <i>New Journal of Physics</i> , 2021, 23, 122001.	1.2	13
669	Cooper-Pair Box Coupled to Two Resonators: An Architecture for a Quantum Refrigerator. <i>Physical Review Applied</i> , 2022, 17, .	1.5	13
670	Transport and boundary scattering in confined geometries: Analytical results. <i>Physical Review B</i> , 1993, 48, 15209-15217.	1.1	12
671	Quantum interference on the kagome lattice. <i>Physical Review B</i> , 1994, 50, 15953-15960.	1.1	12
672	Analytical solution for the Fermi-sea energy of two-dimensional electrons in a magnetic field: Lattice path-integral approach and quantum interference. <i>Physical Review B</i> , 1994, 49, 4131-4135.	1.1	12
673	Cooling a magnetic resonance force microscope via the dynamical back action of nuclear spins. <i>Physical Review B</i> , 2009, 80, .	1.1	12
674	Quantum dynamics of spatial decoherence of two atoms in a ring cavity. <i>Physical Review A</i> , 2010, 82, .	1.0	12
675	Feedback-controlled adiabatic quantum computation. <i>Physical Review A</i> , 2012, 86, .	1.0	12
676	Efficient tomography of quantum-optical Gaussian processes probed with a few coherent states. <i>Physical Review A</i> , 2013, 88, .	1.0	12
677	Quantum metamaterial without local control. <i>Physical Review B</i> , 2013, 87, .	1.1	12
678	Multielectron Ground State Electroluminescence. <i>Physical Review Letters</i> , 2019, 122, 190403.	2.9	12
679	Generating and detecting entangled cat states in dissipatively coupled degenerate optical parametric oscillators. <i>Physical Review A</i> , 2021, 104, .	1.0	12
680	Purifying Deep Boltzmann Machines for Thermal Quantum States. <i>Physical Review Letters</i> , 2021, 127, 060601.	2.9	12
681	Liouvillian spectral collapse in the Scully-Lamb laser model. <i>Physical Review Research</i> , 2021, 3, .	1.3	12
682	Regimes of cavity QED under incoherent excitation: From weak to deep strong coupling. <i>Physical Review Research</i> , 2022, 4, .	1.3	12
683	Analytical application of the recursion and moments methods to the electronic structure of C ₆₀ : Exact solution for the $\tilde{\epsilon}$ and \tilde{f} states. <i>Physical Review B</i> , 1996, 53, 1641-1655.	1.1	11
684	Analytical results on quantum interference and magnetoconductance for strongly localized electrons in a magnetic field: Exact summation of forward-scattering paths. <i>Physical Review B</i> , 1996, 53, 15543-15562.	1.1	11

#	ARTICLE	IF	CITATIONS
685	Domain-wall step motors: Controlling the motion of magnetic domain walls using patterned magnetic films. <i>Physical Review B</i> , 2006, 74, .	1.1	11
686	Pseudo-Rabi oscillations in superconducting flux qubits in the classical regime. <i>Physical Review B</i> , 2008, 78, .	1.1	11
687	Density functional theory and quantum computation. <i>Physical Review B</i> , 2009, 79, .	1.1	11
688	Full Numerical Simulations of Dynamical Response in Superconducting Single-Photon Detectors. <i>IEEE Transactions on Applied Superconductivity</i> , 2013, 23, 2201105-2201105.	1.1	11
689	Effects of anisotropy and disorder on the conductivity of Weyl semimetals. <i>Physical Review B</i> , 2015, 92, .	1.1	11
690	Magnetic field effects in electron systems with imperfect nesting. <i>Physical Review B</i> , 2017, 95, .	1.1	11
691	Pattern formation in vortex matter with pinning and frustrated intervortex interactions. <i>Physical Review B</i> , 2017, 95, .	1.1	11
692	Quantum interference capacitor based on double-passage Landau-Zener-Stückelberg-Majorana interferometry. <i>Physical Review B</i> , 2019, 100, .	1.1	11
693	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
694	Raman spectra of two-dimensional spin-1/2 Heisenberg antiferromagnets. <i>Journal of Applied Physics</i> , 1994, 75, 6340-6342.	1.1	10
695	Manipulation of magnetic-flux landscapes in superconducting $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ crystals. <i>Europhysics Letters</i> , 2006, 76, 1151-1157.	0.7	10
696	Driven binary mixtures: Clustering and giant diffusion. <i>Europhysics Letters</i> , 2006, 73, 513-519.	0.7	10
697	The dynamics of spinning light. <i>Nature Photonics</i> , 2008, 2, 717-718.	15.6	10
698	Enhancing the conductance of a two-electron nanomechanical oscillator. <i>Physical Review B</i> , 2008, 77, .	1.1	10
699	Oblique surface Josephson plasma waves in layered superconductors. <i>Physical Review B</i> , 2013, 87, .	1.1	10
700	Photoluminescence of high-density exciton-polariton condensates. <i>Physical Review B</i> , 2014, 90, .	1.1	10
701	Theory of macroscopic quantum tunneling with Josephson-Leggett collective excitations in multiband superconducting Josephson junctions. <i>Physical Review B</i> , 2014, 89, .	1.1	10
702	Single-photon-triggered quantum chaos. <i>Physical Review A</i> , 2019, 100, .	1.0	10

#	ARTICLE	IF	CITATIONS
703	Chaotic synchronization of two optical cavity modes in optomechanical systems. Scientific Reports, 2019, 9, 15874.	1.6	10
704	Effect of disorder on the transverse magnetoresistance of Weyl semimetals. Physical Review B, 2020, 102, .	1.1	10
705	Polarization singularities and Möbius strips in sound and water-surface waves. Physics of Fluids, 2021, 33, .	1.6	10
706	Experimental demonstration of one-shot coherence distillation: realizing N-dimensional strictly incoherent operations. Optica, 2021, 8, 1003.	4.8	10
707	Thomasâ€™Reicheâ€™Kuhn (TRK) sum rule for interacting photons. Nanophotonics, 2020, 10, 465-476.	2.9	10
708	Exact renormalization-group approach to the generating function of the Vicsek fractal. Physical Review E, 1993, 48, R4183-R4186.	0.8	9
709	Coherently manipulating two-qubit quantum information using a pair of simultaneous laser pulses. Europhysics Letters, 2004, 65, 1-6.	0.7	9
710	Proton transport and torque generation in rotary biomotors. Physical Review E, 2008, 78, 031921.	0.8	9
711	Diffusion-controlled generation of a proton-motive force across a biomembrane. Physical Review E, 2009, 80, 011916.	0.8	9
712	Asymmetric Long Josephson Junction Acting as a Ratchet for a Quantum Field. Physical Review Letters, 2010, 104, 190602.	2.9	9
713	Non-equilibrium Landauer transport model for Hawking radiation from a black hole. New Journal of Physics, 2012, 14, 033013.	1.2	9
714	Macroscopic quantum tunneling and phase diffusion in a La Sr CuO_2 system. Physical Review B, 2014, 89, .	1.1	9
715	Quantum statistics of the collective excitations of an atomic ensemble inside a cavity. Physical Review A, 2012, 85, .	1.0	9
716	Spin-orbit qubit on a multiferroic insulator in a superconducting resonator. Physical Review B, 2014, 89, .	1.1	9
717	Noise suppression of on-chip mechanical resonators by chaotic coherent feedback. Physical Review A, 2015, 92, .	1.0	9
718	Plasmonic bio-sensing for the Fenna-Matthews-Olson complex. Scientific Reports, 2017, 7, 39720.	1.6	9
719	Colloidal transport through trap arrays controlled by active microswimmers. Journal of Physics Condensed Matter, 2018, 30, 264004.	0.7	9
720	Lattice surgery on the Raussendorf lattice. Quantum Science and Technology, 2018, 3, 035011.	2.6	9

#	ARTICLE	IF	CITATIONS
721	A local and scalable lattice renormalization method for ballistic quantum computation. Npj Quantum Information, 2018, 4, .	2.8	9
722	Active particle diffusion in convection roll arrays. Physical Chemistry Chemical Physics, 2021, 23, 11944-11953.	1.3	9
723	Systematic study of generalized flux phases. Physical Review B, 1991, 44, 7637-7646.	1.1	8
724	FRUSTRATED SPIN (J-J') SYSTEMS DO NOT MODEL THE MAGNETIC PROPERTIES OF HIGH-TEMPERATURE SUPERCONDUCTORS. International Journal of Modern Physics B, 1991, 05, 325-339.	1.0	8
725	ENTANGLEMENT OF TWO COUPLED CHARGE QUBITS. International Journal of Quantum Information, 2003, 01, 421-426.	0.6	8
726	Quantum phase estimation algorithms with delays: effects of dynamical phases. Journal of Physics A, 2004, 37, 4607-4617.	1.6	8
727	Effects of dynamical phases in Shor's factoring algorithm with operational delays. Physical Review A, 2005, 71, .	1.0	8
728	Helical Spin Order on the Move. Science, 2006, 311, 344-345.	6.0	8
729	Josephson vortices as flexible waveguides for terahertz waves. Journal of Applied Physics, 2008, 104, 064507.	1.1	8
730	Hysteretic jumps in the response of layered superconductors to electromagnetic fields. Physical Review B, 2008, 78, .	1.1	8
731	Testing quantum contextuality with macroscopic superconducting circuits. Physical Review B, 2010, 81, .	1.1	8
732	Model of coherent emission from disordered arrays of driven Josephson vortices. Physical Review B, 2010, 81, .	1.1	8
733	Robust and scalable optical one-way quantum computation. Physical Review A, 2010, 81, .	1.0	8
734	Feedback-induced nonlinearity and superconducting on-chip quantum optics. Physical Review A, 2013, 88, .	1.0	8
735	Probing quantum chaos. Nature Materials, 2016, 15, 702-703.	13.3	8
736	Canonical derivation of the fermionic influence superoperator. Physical Review B, 2022, 105, .	1.1	8
737	Effective carrier mean-free path in confined geometries. Applied Physics Letters, 1993, 63, 2076-2078.	1.5	7
738	An efficient single-step scheme for manipulating quantum information of two trapped ions beyond the Lamb-Dicke limit. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 320, 131-139.	0.9	7

#	ARTICLE	IF	CITATIONS
739	Vortex pumps in the crossing lattices regime of highly anisotropic layered superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 437-438, 52-56.	0.6	7
740	Melting of the vortex-solid in irradiated Bi ₂ Sr ₂ CaCu ₂ O ₈ + \hat{I} 's single crystals in tilted magnetic fields. <i>New Journal of Physics</i> , 2006, 8, 226-226.	1.2	7
741	Quantum electrodynamics and photon-assisted tunneling in long Josephson junctions. <i>Physical Review B</i> , 2008, 78, .	1.1	7
742	Mechanism for phase separation in cuprates and related multiband systems. <i>Physical Review B</i> , 2008, 77, .	1.1	7
743	Voltage-driven quantum oscillations of conductance in graphene. <i>Europhysics Letters</i> , 2011, 96, 67009.	0.7	7
744	Memristive Sisyphus circuit for clock signal generation. <i>Scientific Reports</i> , 2016, 6, 26155.	1.6	7
745	Diffusion of active dimers in a Couette flow. <i>Soft Matter</i> , 2017, 13, 2793-2799.	1.2	7
746	Universality of eigenchannel structures in dimensional crossover. <i>Physical Review B</i> , 2019, 99, .	1.1	7
747	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
748	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
749	Deterministic one-way logic gates on a cloud quantum computer. <i>Physical Review A</i> , 2022, 105, .	1.0	7
750	Unraveling the topology of dissipative quantum systems. <i>Physical Review Research</i> , 2022, 4, .	1.3	7
751	Shear and loading in channels: Oscillatory shearing and edge currents of superconducting vortices. <i>Physical Review B</i> , 2003, 67, .	1.1	6
752	Force-free current-induced reentrant melting of the vortex lattice in superconductors. <i>Physical Review B</i> , 2003, 67, .	1.1	6
753	Enhancement of the critical current in quasiperiodic pinning arrays: One-dimensional chains and Penrose lattices. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 437-438, 213-216.	0.6	6
754	Controlling vortex motion and vortex kinetic friction. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 437-438, 226-229.	0.6	6
755	Noise-spectroscopy of multiqubit systems: Determining all their parameters by applying an external classical noise. <i>Chemical Physics</i> , 2010, 375, 180-183.	0.9	6
756	Coherent control of double-dot molecules using Aharonov-Bohm magnetic flux. <i>Physical Review B</i> , 2012, 86, .	1.1	6

#	ARTICLE	IF	CITATIONS
757	Modeling the Q-cycle mechanism of transmembrane energy conversion. <i>Physical Biology</i> , 2012, 9, 016011.	0.8	6
758	Self-induced terahertz-wave transmissivity of waveguides with finite-length layered superconductors. <i>Physical Review B</i> , 2013, 88, .	1.1	6
759	Entanglement swapping and testing quantum steering into the past via collective decay. <i>Physical Review A</i> , 2013, 88, .	1.0	6
760	Electric-field-induced interferometric resonance of a one-dimensional spin-orbit-coupled electron. <i>Scientific Reports</i> , 2016, 6, 38851.	1.6	6
761	Transport spectroscopy of a spin-orbit-coupled spin to a quantum dot. <i>Physical Review B</i> , 2016, 94, .	1.1	6
762	Singularity of the time-energy uncertainty in adiabatic perturbation and cycloids on a Bloch sphere. <i>Scientific Reports</i> , 2016, 6, 20824.	1.6	6
763	Active diffusion limited reactions. <i>Journal of Chemical Physics</i> , 2019, 150, 154902.	1.2	6
764	Atoms in separated resonators can jointly absorb a single photon. <i>Scientific Reports</i> , 2020, 10, 21660.	1.6	6
765	Bilayer graphene can become a fractional metal. <i>Physical Review B</i> , 2021, 103, .	1.1	6
766	Quantum steering as a witness of quantum scrambling. <i>Physical Review A</i> , 2021, 104, .	1.0	6
767	Steady-State Solution for Dark States Using a Three-Level System in Coupled Quantum Dots. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 02BJ07.	0.8	6
768	Estimating the Euclidean quantum propagator with deep generative modeling of Feynman paths. <i>Physical Review B</i> , 2022, 105, .	1.1	6
769	Entanglement dynamics in anti- \mathcal{PT} -symmetric systems. <i>Physical Review Research</i> , 2022, 4, .	1.3	6
770	Comparison of Frustration and Doping Effects in Generalized Flux Phases. <i>Europhysics Letters</i> , 1991, 16, 397-403.	0.7	5
771	Experimentally realizable scalable quantum computing using superconducting qubits. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 18, 35-36.	1.3	5
772	Simulation of logic gate using d-dotâ€™s. <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 769-772.	0.6	5
773	Nonlinear Josephson plasma waves in slabs of layered superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 499-502.	0.6	5
774	Dynamics of interacting qubits in a strong alternating electromagnetic field. <i>Physics of the Solid State</i> , 2010, 52, 2281-2286.	0.2	5

#	ARTICLE	IF	CITATIONS
775	Entanglement distribution over quantum code-division multiple-access networks. <i>Physical Review A</i> , 2015, 92, .	1.0	5
776	Dynamic creation of a topologically-ordered Hamiltonian using spin-pulse control in the Heisenberg model. <i>Scientific Reports</i> , 2015, 5, 10076.	1.6	5
777	Nonlinear response in a noncentrosymmetric topological insulator. <i>Physical Review B</i> , 2019, 99, .	1.1	5
778	Work statistics in non-Hermitian evolutions with Hermitian endpoints. <i>Physical Review E</i> , 2021, 104, 034107.	0.8	5
779	Revealing higher-order light and matter energy exchanges using quantum trajectories in ultrastrong coupling. <i>Physical Review A</i> , 2022, 105, .	1.0	5
780	Multipartite entanglement of the topologically ordered state in a perturbed toric code. <i>Physical Review Research</i> , 2022, 4, .	1.3	5
781	Effects of columnar and point defects on magnetic hysteresis curves produced by three-dimensional vortices in layered superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 363, 67-74.	0.6	4
782	Controlling the collective motion of interacting particles: analytical study via the nonlinear Fokker-Planck equation. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 388-389, 661-662.	0.6	4
783	Temperature dependence of the Casimir force for bulk lossy media. <i>Physical Review A</i> , 2010, 82, .	1.0	4
784	Steady-State Solution for Dark States Using a Three-Level System in Coupled Quantum Dots. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 02BJ07.	0.8	4
785	Transverse relativistic effects in paraxial wave interference. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 044003.	1.0	4
786	Quantum Zeno and anti-Zeno effects measured by transition probabilities. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 1837-1843.	0.9	4
787	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
788	Jump-time unraveling of Markovian open quantum systems. <i>Physical Review A</i> , 2021, 104, .	1.0	4
789	HARD-CORE SLAVE-BOSON DESCRIPTION OF GENERALIZED FLUX PHASES. <i>International Journal of Modern Physics B</i> , 1991, 05, 119-130.	1.0	3
790	Analytical approaches for the electronic structure of C60. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993, 183, 214-220.	0.9	3
791	Electronic structure of C60 and C70 molecules: Generating function approach. <i>Solid State Communications</i> , 1994, 91, 117-120.	0.9	3
792	Dynamic phase diagram and orientational dependence for vortices in superconductors with periodic arrays of pinning sites. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 332, 40-44.	0.6	3

#	ARTICLE	IF	CITATIONS
793	Simulation of Vortex Dynamics in Nanostructured Pinning Arrays. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 230, 499-503.	0.7	3
794	Fluctuations in the Josephsonâ€“pancake combined vortex lattice. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 388-389, 653-654.	0.6	3
795	Ratchet without spatial asymmetry: Controlling the motion of magnetic flux quanta using time-asymmetric drives. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 1266-1267.	0.6	3
796	Microcrack inspection systems, bio-backsheets and more. <i>Nature Photonics</i> , 2010, 4, 607-607.	15.6	3
797	Dynamically-tunable colloidal band-pass and band-gap filters. <i>Journal of Applied Physics</i> , 2014, 115, 134902.	1.1	3
798	Superposition principle for nonlinear Josephson plasma waves in layered superconductors. <i>Physical Review B</i> , 2014, 90, .	1.1	3
799	Projecting an ultra-strongly-coupled system in a non-energy-eigenbasis with a driven nonlinear resonator. <i>Scientific Reports</i> , 2020, 10, 1751.	1.6	3
800	The real-space renormalization group and generating function for Penrose lattices. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 9431-9438.	0.7	2
801	Separating particles according to their physical properties: Transverse drift of over-damped interacting particles through two-dimensional ratchets. <i>Physica C: Superconductivity and Its Applications</i> , 2005, 426-431, 147-152.	0.6	2
802	Resonant energy transfer in electronâ€“driven proton pumps. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 398-401.	0.8	2
803	Time-dependent Ginzburgâ€“Landau numerical simulation of logic gates using superconducting composite structure d-dots. <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 1910-1912.	0.6	2
804	Influence of intrinsic electronic properties on light transmission through subwavelength holes on gold and MgB ₂ thin films. <i>Physical Review B</i> , 2011, 84, .	1.1	2
805	Hidden modes in open disordered media: analytical, numerical, and experimental results. <i>New Journal of Physics</i> , 2015, 17, 113009.	1.2	2
806	Publisher's Note: Steady-state mechanical squeezing in an optomechanical system via Duffing nonlinearity [Phys. Rev. A91, 013834 (2015)]. <i>Physical Review A</i> , 2015, 91, .	1.0	2
807	Anderson Localization of Light in Layered Dielectric Structures. <i>Series in Optics and Optoelectronics</i> , 2012, , 55-86.	0.0	2
808	Atomic physics and quantum optics using superconducting circuits. , 2013, , .		2
809	Nonreciprocal propagation of light in a chiral optical cross-Kerr nonlinear medium. , 2020, , .		2
810	Vortex lattice melting in very anisotropic superconductors influenced by the force-free current. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 388-389, 685-686.	0.6	1

#	ARTICLE	IF	CITATIONS
811	Detecting Bose-Einstein condensation of exciton-polaritons via electron transport. <i>Physical Review B</i> , 2009, 80, .	1.1	1
812	Inter-band phase fluctuations in macroscopic quantum tunneling of multi-gap superconducting Josephson junctions. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 504, 81-83.	0.6	1
813	ZhangetAl.Reply:. <i>Physical Review Letters</i> , 2015, 115, 168902.	2.9	1
814	Microwave Photonics on a Chip: Superconducting Circuits as Artificial Atoms for Quantum Information Processing. <i>Lecture Notes in Physics</i> , 2016, , 461-476.	0.3	1
815	Janus Micromotors: Visible Light Actuated Efficient Exclusion Between Plasmonic Ag/AgCl Micromotors and Passive Beads (<i>Small</i> 44/2018). <i>Small</i> , 2018, 14, 1870203.	5.2	1
816	Broad-band negative refraction via simultaneous multi-electron transitions. <i>Journal of Physics Communications</i> , 2019, 3, 015010.	0.5	1
817	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
818	Quantum computing with many superconducting qubits. , 2003, , 351-360.		1
819	Generalized flux states and the quantum Hall effect (abstract). <i>Journal of Applied Physics</i> , 1991, 69, 5203-5203.	1.1	0
820	FILLING LANDAU LEVELS: FERMI SEA GROUND STATE ENERGY, COMPETING INTERACTIONS AND MARGINAL DISPERSIONS IN GENERALIZED FLUX PHASES. <i>International Journal of Modern Physics B</i> , 1992, 06, 563-583.	1.0	0
821	Nori, Plourde, and Bretz Reply:. <i>Physical Review Letters</i> , 1995, 74, 3498-3498.	2.9	0
822	EXPERIMENTALLY REALIZABLE DEVICES FOR CONTROLLING THE MOTION OF MAGNETIC FLUX QUANTA IN ANISOTROPIC SUPERCONDUCTORS: VORTEX LENSES, VORTEX DIODES AND VORTEX PUMPS. , 2005, , .		0
823	STATE CONTROL IN FLUX QUBIT CIRCUITS: MANIPULATING OPTICAL SELECTION RULES OF MICROWAVE-ASSISTED TRANSITIONS IN THREE-LEVEL ARTIFICIAL ATOMS. , 2006, , .		0
824	Crossing lattice vortex pump. <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 640-643.	0.6	0
825	Reply to "Comment on "Temperature dependence of the Casimir force for lossy bulk media". <i>Physical Review A</i> , 2011, 84, .	1.0	0
826	Excitation of oblique surface electromagnetic waves in semibounded layered superconductors by means of the attenuated-total-reflection method. , 2013, , .		0
827	Detection of a Charged Two-Level System by Using the Kondo and the Fano "Kondo Effects in Quantum Dots. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 04CJ03.	0.8	0
828	Terahertz transition radiation of bulk and surface electromagnetic waves by an electron entering a layered superconductor. <i>Physical Review B</i> , 2014, 89, .	1.1	0

#	ARTICLE	IF	CITATIONS
829	Transverse Relativistic Effects in Paraxial Wave Interference. , 2014, , 237-246.		0
830	Disorder-induced mutation of quasi-normal modes in 1D open systems. , 2016, , .		0
831	Microswimmers: Confined Catalytic Janus Swimmers in a Crowded Channel: Geometry-Driven Rectification Transients and Directional Locking (Small 42/2016). Small, 2016, 12, 5912-5912.	5.2	0
832	Janus Micromotors: High-Motility Visible Light-Driven Ag/AgCl Janus Micromotors (Small 48/2018). Small, 2018, 14, 1870229.	5.2	0
833	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
834	How Radiation Propagates in Random Media: Spatial Structure of Transmission Eigenchannels. , 2020, , .		0
835	GENERATION OF PHOTON NUMBER STATES AND THEIR SUPERPOSITIONS USING A SUPERCONDUCTING QUBIT IN A MICROCAVITY. , 2005, , .		0
836	DECOHERENCE AND RABI OSCILLATIONS IN A QUBIT COUPLED TO A QUANTUM TWO-LEVEL SYSTEM. , 2008, , .		0
837	ATOMIC PHYSICS AND QUANTUM INFORMATION PROCESSING WITH SUPERCONDUCTING CIRCUITS. , 2009, , .		0
838	SINGLE-ARTIFICIAL-ATOM LASING AND ITS SUPPRESSION BY STRONG PUMPING. , 2009, , .		0
839	ENTANGLEMENT PURIFICATION USING NATURAL SPIN CHAIN DYNAMICS AND SINGLE SPIN MEASUREMENTS. , 2009, , .		0
840	COUPLING SUPERCONDUCTING FLUX QUBITS USING AC MAGNETIC FLUXES. , 2009, , .		0
841	Dynamics and Macroscopic Rigidity in Glassy Thin-Films. Woodward Conference, 1990, , 247-252.	0.3	0
842	Long-Range Order in One-Dimensional Quasiperiodic Magnetic Chains. Springer Proceedings in Physics, 1990, , 215-221.	0.1	0
843	Spin-Hall effect and circular birefringence of a uniaxial crystal plate. , 2017, , .		0
844	Hidden nonmacrorealism: Reviving the Leggett-Garg inequality with stochastic operations. Physical Review Research, 2021, 3, .	1.3	0
845	Gauge-Independent Emission Spectra in the Ultrastrong Coupling Regime. , 2020, , .		0