

Liang Jiang

List of Publications by Year in descending order

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191
papers

19,526
citations

16451

64
h-index

11308

136
g-index

193
all docs

193
docs citations

193
times ranked

11335
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale magnetic sensing with an individual electronic spin in diamond. <i>Nature</i> , 2008, 455, 644-647.	27.8	1,554
2	High-sensitivity diamond magnetometer with nanoscale resolution. <i>Nature Physics</i> , 2008, 4, 810-816.	16.7	1,409
3	Quantum entanglement between an optical photon and a solid-state spin qubit. <i>Nature</i> , 2010, 466, 730-734.	27.8	968
4	Parityâ€time symmetry and variable optical isolation in activeâ€passive-coupled microresonators. <i>Nature Photonics</i> , 2014, 8, 524-529.	31.4	910
5	Room-Temperature Quantum Bit Memory Exceeding One Second. <i>Science</i> , 2012, 336, 1283-1286.	12.6	707
6	Strongly Coupled Magnons and Cavity Microwave Photons. <i>Physical Review Letters</i> , 2014, 113, 156401.	7.8	693
7	Majorana Fermions in Equilibrium and in Driven Cold-Atom Quantum Wires. <i>Physical Review Letters</i> , 2011, 106, 220402.	7.8	606
8	Extending the lifetime of a quantum bit with error correction in superconducting circuits. <i>Nature</i> , 2016, 536, 441-445.	27.8	603
9	A quantum network of clocks. <i>Nature Physics</i> , 2014, 10, 582-587.	16.7	435
10	Cavity magnomechanics. <i>Science Advances</i> , 2016, 2, e1501286.	10.3	395
11	Dynamically protected cat-qubits: a new paradigm for universal quantum computation. <i>New Journal of Physics</i> , 2014, 16, 045014.	2.9	394
12	Strong magnetic coupling between an electronic spin qubit and a mechanical resonator. <i>Physical Review B</i> , 2009, 79, .	3.2	329
13	Anti-parityâ€time symmetry with flying atoms. <i>Nature Physics</i> , 2016, 12, 1139-1145.	16.7	298
14	Magnon dark modes and gradient memory. <i>Nature Communications</i> , 2015, 6, 8914.	12.8	293
15	Repetitive Readout of a Single Electronic Spin via Quantum Logic with Nuclear Spin Ancillae. <i>Science</i> , 2009, 326, 267-272.	12.6	277
16	Optimal architectures for long distance quantum communication. <i>Scientific Reports</i> , 2016, 6, 20463.	3.3	262
17	A SchrÃdinger cat living in two boxes. <i>Science</i> , 2016, 352, 1087-1091.	12.6	244
18	Quantum memory with millisecond coherence in circuit QED. <i>Physical Review B</i> , 2016, 94, .	3.2	237

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19	Symmetries and conserved quantities in Lindblad master equations. <i>Physical Review A</i> , 2014, 89, .	2.5	231
20	Quantum repeater with encoding. <i>Physical Review A</i> , 2009, 79, .	2.5	224
21	Topological Properties of Linear Circuit Lattices. <i>Physical Review Letters</i> , 2015, 114, 173902.	7.8	210
22	Cavity QED with atomic mirrors. <i>New Journal of Physics</i> , 2012, 14, 063003.	2.9	205
23	Ultrafast and Fault-Tolerant Quantum Communication across Long Distances. <i>Physical Review Letters</i> , 2014, 112, 250501.	7.8	204
24	New Class of Quantum Error-Correcting Codes for a Bosonic Mode. <i>Physical Review X</i> , 2016, 6, .	8.9	198
25	Robust Quantum State Transfer in Random Unpolarized Spin Chains. <i>Physical Review Letters</i> , 2011, 106, 040505.	7.8	194
26	Scalable architecture for a room temperature solid-state quantum information processor. <i>Nature Communications</i> , 2012, 3, 800.	12.8	190
27	Distributed quantum computation based on small quantum registers. <i>Physical Review A</i> , 2007, 76, .	2.5	188
28	Implementing a universal gate set on a logical qubit encoded in an oscillator. <i>Nature Communications</i> , 2017, 8, 94.	12.8	183
29	Performance and structure of single-mode bosonic codes. <i>Physical Review A</i> , 2018, 97, .	2.5	172
30	Development of Quantum Interconnects (QulCs) for Next-Generation Information Technologies. <i>PRX Quantum</i> , 2021, 2, .	9.2	172
31	Routing entanglement in the quantum internet. <i>Npj Quantum Information</i> , 2019, 5, .	6.7	169
32	Electromagnetically induced transparency at a chiral exceptional point. <i>Nature Physics</i> , 2020, 16, 334-340.	16.7	156
33	Deterministic teleportation of a quantum gate between two logical qubits. <i>Nature</i> , 2018, 561, 368-373.	27.8	154
34	Unconventional Josephson Signatures of Majorana Bound States. <i>Physical Review Letters</i> , 2011, 107, 236401.	7.8	143
35	On-demand quantum state transfer and entanglement between remote microwave cavity memories. <i>Nature Physics</i> , 2018, 14, 705-710.	16.7	143
36	Far-field optical imaging and manipulation of individual spins with nanoscale resolution. <i>Nature Physics</i> , 2010, 6, 912-918.	16.7	142

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37	Quantum Noise Theory of Exceptional Point Amplifying Sensors. <i>Physical Review Letters</i> , 2019, 123, 180501.	7.8	140
38	Achieving the Heisenberg limit in quantum metrology using quantum error correction. <i>Nature Communications</i> , 2018, 9, 78.	12.8	139
39	Coherent Quantum Optical Control with Subwavelength Resolution. <i>Physical Review Letters</i> , 2008, 100, 093005.	7.8	135
40	Cavity State Manipulation Using Photon-Number Selective Phase Gates. <i>Physical Review Letters</i> , 2015, 115, 137002.	7.8	121
41	Fault-tolerant detection of a quantum error. <i>Science</i> , 2018, 361, 266-270.	12.6	113
42	Bias-preserving gates with stabilized cat qubits. <i>Science Advances</i> , 2020, 6, .	10.3	105
43	Controlled release of multiphoton quantum states from a microwave cavity memory. <i>Nature Physics</i> , 2017, 13, 882-887.	16.7	101
44	Building a Fault-Tolerant Quantum Computer Using Concatenated Cat Codes. <i>PRX Quantum</i> , 2022, 3, .	9.2	101
45	Quantum Capacity Bounds of Gaussian Thermal Loss Channels and Achievable Rates With Gottesman-Kitaev-Preskill Codes. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 2563-2582.	2.4	100
46	Universal control of an oscillator with dispersive coupling to a qubit. <i>Physical Review A</i> , 2015, 92, .	2.5	99
47	Anyonic interferometry and protected memories in atomic spin lattices. <i>Nature Physics</i> , 2008, 4, 482-488.	16.7	97
48	A CNOT gate between multiphoton qubits encoded in two cavities. <i>Nature Communications</i> , 2018, 9, 652.	12.8	95
49	Geometry and Response of Lindbladians. <i>Physical Review X</i> , 2016, 6, .	8.9	94
50	Coherence and Control of Quantum Registers Based on Electronic Spin in a Nuclear Spin Bath. <i>Physical Review Letters</i> , 2009, 102, 210502.	7.8	92
51	Heisenberg-Limited Atom Clocks Based on Entangled Qubits. <i>Physical Review Letters</i> , 2014, 112, 190403.	7.8	92
52	Demonstration of a chip-based optical isolator with parametric amplification. <i>Nature Communications</i> , 2016, 7, 13657.	12.8	89
53	Interface between Topological and Superconducting Qubits. <i>Physical Review Letters</i> , 2011, 106, 130504.	7.8	88
54	Entanglement of bosonic modes through an engineered exchange interaction. <i>Nature</i> , 2019, 566, 509-512.	27.8	88

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55	Hardware-Efficient Quantum Random Access Memory with Hybrid Quantum Acoustic Systems. <i>Physical Review Letters</i> , 2019, 123, 250501.	7.8	86
56	Waveguide cavity optomagnonics for microwave-to-optics conversion. <i>Optica</i> , 2020, 7, 1291.	9.3	84
57	Imaging mesoscopic nuclear spin noise with a diamond magnetometer. <i>Journal of Chemical Physics</i> , 2010, 133, 124105.	3.0	82
58	Microwave-optical quantum frequency conversion. <i>Optica</i> , 2021, 8, 1050.	9.3	81
59	Holonomic Quantum Control with Continuous Variable Systems. <i>Physical Review Letters</i> , 2016, 116, 140502.	7.8	77
60	Cavity piezo-mechanics for superconducting-nanophotonic quantum interface. <i>Nature Communications</i> , 2020, 11, 3237.	12.8	76
61	Environment-Assisted Precision Measurement. <i>Physical Review Letters</i> , 2011, 106, 140502.	7.8	75
62	Modern description of Rayleigh's criterion. <i>Physical Review A</i> , 2019, 99, .	2.5	73
63	Efficient Multiphoton Sampling of Molecular Vibronic Spectra on a Superconducting Bosonic Processor. <i>Physical Review X</i> , 2020, 10, .	8.9	73
64	Cat Codes with Optimal Decoherence Suppression for a Lossy Bosonic Channel. <i>Physical Review Letters</i> , 2017, 119, 030502.	7.8	69
65	Topologically protected quantum state transfer in a chiral spin liquid. <i>Nature Communications</i> , 2013, 4, 1585.	12.8	67
66	Stabilized Cat in a Driven Nonlinear Cavity: A Fault-Tolerant Error Syndrome Detector. <i>Physical Review X</i> , 2019, 9, .	8.9	64
67	Superstrong coupling of thin film magnetostatic waves with microwave cavity. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	62
68	Intracavity Quantum Communication via Thermal Microwave Networks. <i>Physical Review X</i> , 2017, 7, .	8.9	58
69	Deep Neural Network Probabilistic Decoder for Stabilizer Codes. <i>Scientific Reports</i> , 2017, 7, 11003.	3.3	58
70	Slow Light Beam Splitter. <i>Physical Review Letters</i> , 2008, 101, 043601.	7.8	57
71	Proposal for Heralded Generation and Detection of Entangled Microwave-Optical-Photon Pairs. <i>Physical Review Letters</i> , 2020, 124, 010511.	7.8	57
72	Programmable Interference between Two Microwave Quantum Memories. <i>Physical Review X</i> , 2018, 8, .	8.9	56

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73	Efficient Generation of a Near-visible Frequency Comb via Cherenkov-like Radiation from a Kerr Microcomb. <i>Physical Review Applied</i> , 2018, 10, .	3.8	54
74	Optimal approach to quantum communication using dynamic programming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17291-17296.	7.1	53
75	Encoding an Oscillator into Many Oscillators. <i>Physical Review Letters</i> , 2020, 125, 080503.	7.8	53
76	Coherence of an Optically Illuminated Single Nuclear Spin Qubit. <i>Physical Review Letters</i> , 2008, 100, 073001.	7.8	51
77	Nonequilibrium Steady State of a Nanometric Biochemical System: Determining the Thermodynamic Driving Force from Single Enzyme Turnover Time Traces. <i>Nano Letters</i> , 2005, 5, 2373-2378.	9.1	50
78	Error-corrected gates on an encoded qubit. <i>Nature Physics</i> , 2020, 16, 822-826.	16.7	50
79	Ancilla-Free Quantum Error Correction Codes for Quantum Metrology. <i>Physical Review Letters</i> , 2019, 122, 040502.	7.8	49
80	Quantum-limited measurements of atomic scattering properties. <i>Physical Review A</i> , 2007, 76, .	2.5	48
81	Efficient classical simulation of noisy random quantum circuits in one dimension. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 4, 318.	0.0	47
82	Many-body protected entanglement generation in interacting spin systems. <i>Physical Review A</i> , 2008, 77, .	2.5	46
83	Characterizing entanglement of an artificial atom and a cavity cat state with Bell's inequality. <i>Nature Communications</i> , 2015, 6, 8970.	12.8	46
84	Pair-cat codes: autonomous error-correction with low-order nonlinearity. <i>Quantum Science and Technology</i> , 2019, 4, 035007.	5.8	46
85	Parity-time symmetry in optical microcavity systems. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 222001.	1.5	45
86	High-Fidelity Measurement of Qubits Encoded in Multilevel Superconducting Circuits. <i>Physical Review X</i> , 2020, 10, .	8.9	45
87	Quantum control of bosonic modes with superconducting circuits. <i>Science Bulletin</i> , 2021, 66, 1789-1805.	9.0	45
88	Distributed quantum sensing enhanced by continuous-variable error correction. <i>New Journal of Physics</i> , 2020, 22, 022001.	2.9	44
89	Magneto-Josephson effects in junctions with Majorana bound states. <i>Physical Review B</i> , 2013, 87, .	3.2	43
90	Optimized Entanglement Purification. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 3, 123.	0.0	43

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91	High-fidelity fast quantum transport with imperfect controls. <i>Physical Review A</i> , 2009, 79, .	2.5	42
92	Unforgeable noise-tolerant quantum tokens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16079-16082.	7.1	42
93	Cavity piezomechanical strong coupling and frequency conversion on an aluminum nitride chip. <i>Physical Review A</i> , 2016, 94, .	2.5	40
94	Quantum channel construction with circuit quantum electrodynamics. <i>Physical Review B</i> , 2017, 95, .	3.2	40
95	Overcoming erasure errors with multilevel systems. <i>New Journal of Physics</i> , 2017, 19, 013026.	2.9	40
96	Floquet Cavity Electromagnonics. <i>Physical Review Letters</i> , 2020, 125, 237201.	7.8	39
97	Overcoming lossy channel bounds using a single quantum repeater node. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	37
98	Quantum logic between remote quantum registers. <i>Physical Review A</i> , 2013, 87, .	2.5	35
99	Subwavelength-width optical tunnel junctions for ultracold atoms. <i>Physical Review A</i> , 2016, 94, .	2.5	35
100	Engineering bilinear mode coupling in circuit QED: Theory and experiment. <i>Physical Review A</i> , 2019, 99, .	2.5	34
101	Error-Detected State Transfer and Entanglement in a Superconducting Quantum Network. <i>PRX Quantum</i> , 2021, 2, .	9.2	34
102	Diffusion-induced decoherence of stored optical vortices. <i>Physical Review A</i> , 2008, 77, .	2.5	32
103	Microwave-assisted coherent and nonlinear control in cavity piezo-optomechanical systems. <i>Physical Review A</i> , 2014, 90, .	2.5	32
104	Direct Measurement of Topological Numbers with Spins in Diamond. <i>Physical Review Letters</i> , 2016, 117, 060503.	7.8	32
105	Radiative Cooling of a Superconducting Resonator. <i>Physical Review Letters</i> , 2020, 124, 033602.	7.8	32
106	Electromagnetically induced transparency with noisy lasers. <i>Physical Review A</i> , 2009, 80, .	2.5	31
107	Chip-Based Optical Isolator and Nonreciprocal Parity-Time Symmetry Induced by Stimulated Brillouin Scattering. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900278.	8.7	31
108	Quantum Coding with Low-Depth Random Circuits. <i>Physical Review X</i> , 2021, 11, .	8.9	28

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109	Implementing and Characterizing Precise Multiqubit Measurements. <i>Physical Review X</i> , 2016, 6, .	8.9	27
110	Resilience of Quantum Random Access Memory to Generic Noise. <i>PRX Quantum</i> , 2021, 2, .	9.2	27
111	Quantum repeaters based on concatenated bosonic and discrete-variable quantum codes. <i>Npj Quantum Information</i> , 2021, 7, .	6.7	27
112	Detuning-enhanced cavity spin squeezing. <i>Physical Review A</i> , 2015, 91, .	2.5	26
113	Path-Independent Quantum Gates with Noisy Ancilla. <i>Physical Review Letters</i> , 2020, 125, 110503.	7.8	26
114	Cavity electro-optic circuit for microwave-to-optical conversion in the quantum ground state. <i>Physical Review A</i> , 2021, 103, .	2.5	26
115	One-shot entanglement generation over long distances in noisy quantum networks. <i>Physical Review A</i> , 2008, 78, .	2.5	25
116	Asymptotic Theory of Quantum Channel Estimation. <i>PRX Quantum</i> , 2021, 2, .	9.2	25
117	Universal dynamical decoupling of multiqubit states from environment. <i>Physical Review A</i> , 2011, 84, .	2.5	23
118	Quantum repeater architecture with hierarchically optimized memory buffer times. <i>Quantum Science and Technology</i> , 2019, 4, 025010.	5.8	23
119	Optimal probes and error-correction schemes in multi-parameter quantum metrology. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 4, 288.	0.0	23
120	One-way quantum repeaters with quantum Reed-Solomon codes. <i>Physical Review A</i> , 2018, 97, .	2.5	22
121	Preparation of decoherence-free cluster states with optical superlattices. <i>Physical Review A</i> , 2009, 79, .	2.5	21
122	Entanglement of microwave-optical modes in a strongly coupled electro-optomechanical system. <i>Physical Review A</i> , 2020, 101, .	2.5	21
123	Quantum Limits of Superresolution in a Noisy Environment. <i>Physical Review Letters</i> , 2021, 126, 120502.	7.8	21
124	Optimal approximate quantum error correction for quantum metrology. <i>Physical Review Research</i> , 2020, 2, .	3.6	21
125	Engineering fast bias-preserving gates on stabilized cat qubits. <i>Physical Review Research</i> , 2022, 4, .	3.6	21
126	New perspectives on covariant quantum error correction. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 5, 521.	0.0	20

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127	Classical simulation of lossy boson sampling using matrix product operators. <i>Physical Review A</i> , 2021, 104, .	2.5	20
128	Environment-assisted metrology with spin qubits. <i>Physical Review A</i> , 2012, 85, .	2.5	19
129	Magneto-Josephson effects and Majorana bound states in quantum wires. <i>New Journal of Physics</i> , 2013, 15, 115001.	2.9	19
130	Demonstrating non-Abelian statistics of Majorana fermions using twist defects. <i>Physical Review B</i> , 2015, 92, .	3.2	19
131	Role of syndrome information on a one-way quantum repeater using teleportation-based error correction. <i>Physical Review A</i> , 2016, 94, .	2.5	19
132	All-Optical Control of Linear and Nonlinear Energy Transfer via the Zeno Effect. <i>Physical Review Letters</i> , 2018, 120, 203902.	7.8	19
133	Quantum Transduction with Adaptive Control. <i>Physical Review Letters</i> , 2018, 120, 020502.	7.8	18
134	Stochastic estimation of dynamical variables. <i>Quantum Science and Technology</i> , 2019, 4, 035003.	5.8	18
135	Induced transparency by interference or polarization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	18
136	Fast entanglement distribution with atomic ensembles and fluorescent detection. <i>Physical Review A</i> , 2010, 81, .	2.5	16
137	Experimental Realization of High-Efficiency Counterfactual Computation. <i>Physical Review Letters</i> , 2015, 115, 080501.	7.8	16
138	Coherent Gate Operations in Hybrid Magnonics. <i>Physical Review Letters</i> , 2021, 126, 207202.	7.8	16
139	Robust readout of bosonic qubits in the dispersive coupling regime. <i>Physical Review A</i> , 2018, 98, .	2.5	15
140	Enhanced energy-constrained quantum communication over bosonic Gaussian channels. <i>Nature Communications</i> , 2020, 11, 457.	12.8	15
141	On-chip interaction-free measurements via the quantum Zeno effect. <i>Physical Review A</i> , 2014, 90, .	2.5	14
142	Quantum repeaters based on two species trapped ions. <i>New Journal of Physics</i> , 2019, 21, 073002.	2.9	14
143	Perfect coherent transfer in an on-chip reconfigurable nanoelectromechanical network. <i>Physical Review B</i> , 2020, 101, .	3.2	14
144	Sub-Hertz resonance by weak measurement. <i>Nature Communications</i> , 2020, 11, 1752.	12.8	14

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145	Stabilizing a Bosonic Qubit Using Colored Dissipation. <i>Physical Review Letters</i> , 2022, 128, 110502.	7.8	14
146	Multimode photon blockade. <i>Nature Physics</i> , 2022, 18, 879-884.	16.7	14
147	Topological phase transitions, Majorana modes, and quantum simulation of the Su-Schrieffer-Heeger model with nearest-neighbor interactions. <i>Physical Review B</i> , 2020, 101, .	3.2	13
148	Deterministic Grover search with a restricted oracle. <i>Physical Review Research</i> , 2022, 4, .	3.6	12
149	Classical Simulation of Boson Sampling Based on Graph Structure. <i>Physical Review Letters</i> , 2022, 128, .	7.8	12
150	Modeling of On-Chip Optical Nonreciprocity with an Active Microcavity. <i>Photonics</i> , 2015, 2, 498-508.	2.0	11
151	Measurement-only topological quantum computation without forced measurements. <i>New Journal of Physics</i> , 2016, 18, 123027.	2.9	11
152	Coherent Pulse Echo in Hybrid Magnonics with Multimode Phonons. <i>Physical Review Applied</i> , 2021, 16, .	3.8	11
153	Quantum advantages for Pauli channel estimation. <i>Physical Review A</i> , 2022, 105, .	2.5	11
154	Coherence-Assisted Resonance with Sub-Transit-Limited Linewidth. <i>Physical Review Letters</i> , 2012, 109, 233006.	7.8	10
155	Remote Entanglement by Coherent Multiplication of Concurrent Quantum Signals. <i>Physical Review Letters</i> , 2015, 115, 150503.	7.8	10
156	Complex Kinetics of Fluctuating Enzymes: Phase Diagram Characterization of a Minimal Kinetic Scheme. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1129-1138.	3.3	9
157	Optimized tomography of continuous variable systems using excitation counting. <i>Physical Review A</i> , 2016, 94, .	2.5	9
158	Photon Pair Condensation by Engineered Dissipation. <i>Physical Review Letters</i> , 2019, 123, 063602.	7.8	9
159	Single-shot number-resolved detection of microwave photons with error mitigation. <i>Physical Review A</i> , 2021, 103, .	2.5	9
160	Phonon-induced spin squeezing based on geometric phase. <i>Physical Review A</i> , 2015, 92, .	2.5	8
161	Universal quantum computing with parafermions assisted by a half-fluxon. <i>Physical Review B</i> , 2019, 100, .	3.2	8
162	Saturating the quantum Cram�r-Rao bound using LOCC. <i>Quantum Science and Technology</i> , 2020, 5, 025005.	5.8	8

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163	Photon-Number-Dependent Hamiltonian Engineering for Cavities. <i>Physical Review Applied</i> , 2021, 15, .	3.8	7
164	Quantum Metrological Power of Continuous-Variable Quantum Networks. <i>Physical Review Letters</i> , 2022, 128, 180503.	7.8	7
165	Concurrent remote entanglement with quantum error correction against photon losses. <i>Physical Review A</i> , 2016, 94, .	2.5	6
166	Key Device and Materials Specifications for a Repeater Enabled Quantum Internet. <i>IEEE Transactions on Quantum Engineering</i> , 2021, 2, 1-9.	4.9	6
167	Distributed quantum phase sensing for arbitrary positive and negative weights. <i>Physical Review Research</i> , 2022, 4, .	3.6	6
168	Phase-engineered bosonic quantum codes. <i>Physical Review A</i> , 2021, 103, .	2.5	5
169	Coherent manipulation of graph states composed of finite-energy Gottesman-Kitaev-Preskill-encoded qubits. <i>Physical Review A</i> , 2022, 105, .	2.5	4
170	SCALABLE QUANTUM NETWORKS BASED ON FEW-QUBIT REGISTERS. <i>International Journal of Quantum Information</i> , 2010, 08, 93-104.	1.1	3
171	Spin correlations and entanglement in partially magnetised ensembles of fermions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 214002.	1.5	3
172	Filtration and extraction of quantum states from classical inputs. <i>Physical Review A</i> , 2016, 94, .	2.5	3
173	Nanoscale magnetic sensing using spin qubits in diamond. , 2009, , .		2
174	Quantum Repeaters Based on Two-Species Trapped Ions. , 2018, , .		2
175	Field-gradient measurement using a Stern-Gerlach atomic interferometer with butterfly geometry. <i>Physical Review A</i> , 2020, 102, .	2.5	2
176	Engineering Kerr-cat qubits for hardware efficient quantum error correction. , 2022, , .		2
177	Universal interference-based construction of Gaussian operations in hybrid quantum systems. <i>Npj Quantum Information</i> , 2022, 8, .	6.7	2
178	Error-corrected quantum sensing. , 2019, , .		1
179	PT-Symmetry and on-Chip Optical Nonreciprocity in Active-Passive-Coupled Microtoroids. , 2014, , .		1
180	Adaptive Circuit Learning for Quantum Metrology. , 2021, , .		1

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181	Algebraic structure of path-independent quantum control. <i>Physical Review Research</i> , 2022, 4, .	3.6	1
182	Parity-time symmetry and nonreciprocal light transmission in high-Q microcavity systems. , 2015, , .		0
183	Optimized architectures for long distance quantum communication. , 2017, , .		0
184	Optimized Access-Time Scheduling in Quantum Networks Using Realistic Quantum Memories. , 2018, , .		0
185	Trapped Ion Implementation of Memory-Assisted Extended Quantum Key Distribution. , 2014, , .		0
186	Observation of parity-time symmetry in an optical system formed by moving atoms. , 2014, , .		0
187	Efficient visible frequency microcomb generation with 22% conversion efficiency. , 2017, , .		0
188	Sub-Hertz Resonance by Weak Measurement. , 2019, , .		0
189	Quantum repeaters based on two species trapped ions. , 2019, , .		0
190	Quantum memory decoherence-mitigating architecture for quantum repeaters. , 2019, , .		0
191	Entanglement as a resource for quantum networking. , 2019, , .		0