

Yu-Bo Sheng

List of Publications by Citations

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

118
papers

4,750
citations

36
h-index

67
g-index

123
ext. papers

5,440
ext. citations

2.7
avg, IF

6.48
L-index

#	Paper	IF	Citations
118	Quantum Secure Direct Communication with Quantum Memory. <i>Physical Review Letters</i> , 2017 , 118, 220501	10.6	329
117	Deterministic entanglement purification and complete nonlocal Bell-state analysis with hyperentanglement. <i>Physical Review A</i> , 2010 , 81,	2.6	301
116	Efficient polarization-entanglement purification based on parametric down-conversion sources with cross-Kerr nonlinearity. <i>Physical Review A</i> , 2008 , 77,	2.6	263
115	Complete hyperentangled-Bell-state analysis for quantum communication. <i>Physical Review A</i> , 2010 , 82,	2.6	257
114	Nonlocal entanglement concentration scheme for partially entangled multipartite systems with nonlinear optics. <i>Physical Review A</i> , 2008 , 77,	2.6	235
113	Efficient single-photon-assisted entanglement concentration for partially entangled photon pairs. <i>Physical Review A</i> , 2012 , 85,	2.6	227
112	One-step deterministic polarization-entanglement purification using spatial entanglement. <i>Physical Review A</i> , 2010 , 82,	2.6	218
111	Efficient two-step entanglement concentration for arbitrary W states. <i>Physical Review A</i> , 2012 , 85,	2.6	175
110	Distributed secure quantum machine learning. <i>Science Bulletin</i> , 2017 , 62, 1025-1029	10.6	157
109	Experimental long-distance quantum secure direct communication. <i>Science Bulletin</i> , 2017 , 62, 1519-1524	10.6	148
108	Deterministic entanglement distillation for secure double-server blind quantum computation. <i>Scientific Reports</i> , 2015 , 5, 7815	4.9	126
107	Device-independent quantum secure direct communication against collective attacks. <i>Science Bulletin</i> , 2020 , 65, 12-20	10.6	115
106	Three-step three-party quantum secure direct communication. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018 , 61, 1	3.6	102
105	Measurement-device-independent quantum secure direct communication. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	91
104	Hybrid entanglement purification for quantum repeaters. <i>Physical Review A</i> , 2013 , 88,	2.6	90
103	Measurement-device-independent quantum communication without encryption. <i>Science Bulletin</i> , 2018 , 63, 1345-1350	10.6	86
102	Efficient N-particle W state concentration with different parity check gates. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015 , 58, 1-11	3.6	77

101	Deterministic polarization entanglement purification using time-bin entanglement. <i>Laser Physics Letters</i> , 2014 , 11, 085203	1.5	77
100	Complete logic Bell-state analysis assisted with photonic Faraday rotation. <i>Physical Review A</i> , 2015 , 92,	2.6	70
99	Quantum Entanglement Concentration Based on Nonlinear Optics for Quantum Communications. <i>Entropy</i> , 2013 , 15, 1776-1820	2.8	65
98	Two-step complete polarization logic Bell-state analysis. <i>Scientific Reports</i> , 2015 , 5, 13453	4.9	60
97	Measurement-device-independent quantum key distribution with hyper-encoding. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	59
96	FAULT TOLERANT QUANTUM KEY DISTRIBUTION BASED ON QUANTUM DENSE CODING WITH COLLECTIVE NOISE. <i>International Journal of Quantum Information</i> , 2009 , 07, 1479-1489	0.8	57
95	Efficient quantum entanglement distribution over an arbitrary collective-noise channel. <i>Physical Review A</i> , 2010 , 81,	2.6	56
94	Detection of nonlocal atomic entanglement assisted by single photons. <i>Physical Review A</i> , 2014 , 90,	2.6	55
93	Efficient entanglement concentration for quantum dot and optical microcavities systems. <i>Quantum Information Processing</i> , 2013 , 12, 1885-1895	1.6	55
92	Purification of Logic-Qubit Entanglement. <i>Scientific Reports</i> , 2016 , 6, 28813	4.9	49
91	Long-Distance Entanglement Purification for Quantum Communication. <i>Physical Review Letters</i> , 2021 , 126, 010503	7.4	46
90	Efficient W-state entanglement concentration using quantum-dot and optical microcavities. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 678	1.7	45
89	Efficient polarization entanglement concentration for electrons with charge detection. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 1823-1825	2.3	45
88	Multipartite entanglement concentration for nitrogen-vacancy center and microtoroidal resonator system. <i>Science Bulletin</i> , 2013 , 58, 3507-3513		43
87	Multipartite electronic entanglement purification with charge detection. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 396-400	2.3	43
86	Blind quantum computation with a noise channel. <i>Physical Review A</i> , 2018 , 98,	2.6	40
85	Recyclable amplification protocol for the single-photon entangled state. <i>Laser Physics Letters</i> , 2015 , 12, 045203	1.5	38
84	Efficient entanglement concentration for arbitrary single-photon multimode W state. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 71	1.7	38

83	Efficient entanglement concentration for arbitrary less-entangled NOON states. <i>Quantum Information Processing</i> , 2013 , 12, 1307-1320	1.6	37
82	Polarization entanglement purification for concatenated Greenberger-Horne-Zeilinger state. <i>Annals of Physics</i> , 2017 , 385, 10-35	2.5	35
81	Two-step measurement of the concurrence for hyperentangled state. <i>Quantum Information Processing</i> , 2015 , 14, 963-978	1.6	33
80	Concurrence Measurement for the Two-Qubit Optical and Atomic States. <i>Entropy</i> , 2015 , 17, 4293-4322	2.8	27
79	Efficient entanglement concentration for concatenated Greenberger-Horne-Zeilinger state with the cross-Kerr nonlinearity. <i>Quantum Information Processing</i> , 2016 , 15, 1669-1687	1.6	26
78	Feasible logic Bell-state analysis with linear optics. <i>Scientific Reports</i> , 2016 , 6, 20901	4.9	26
77	The influence of atmospheric turbulence on holographic ghost imaging using orbital angular momentum entanglement: Simulation and experimental studies. <i>Optics Communications</i> , 2013 , 294, 223-228	2.2	25
76	One-step quantum secure direct communication. <i>Science Bulletin</i> , 2021 ,	10.6	24
75	Two-step entanglement concentration for arbitrary electronic cluster state. <i>Quantum Information Processing</i> , 2013 , 12, 3633-3647	1.6	21
74	Entanglement concentration for concatenated Greenberger-Horne-Zeilinger state. <i>Quantum Information Processing</i> , 2015 , 14, 4131-4146	1.6	20
73	Complete Greenberger-Horne-Zeilinger state analyzer using hyperentanglement. <i>Quantum Information Processing</i> , 2013 , 12, 381-393	1.6	19
72	Efficient faithful qubit transmission with frequency degree of freedom. <i>Optics Communications</i> , 2009 , 282, 4025-4027	2	19
71	Efficient entanglement purification for doubly entangled photon state. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 3464-3467		19
70	Measurement-device-independent quantum secure direct communication of multiple degrees of freedom of a single photon. <i>Europhysics Letters</i> , 2020 , 131, 40005	1.6	19
69	Experimental optimal single qubit purification in an NMR quantum information processor. <i>Scientific Reports</i> , 2014 , 4, 6857	4.9	18
68	Purification of the residual entanglement. <i>Optics Express</i> , 2020 , 28, 2291-2301	3.3	18
67	One-step deterministic multipartite entanglement purification with linear optics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 314-319	2.3	17
66	Optimal entanglement concentration for three-photon W states with parity check measurement. <i>Chinese Physics B</i> , 2013 , 22, 020307	1.2	17

65	Improving the Atmosphere Turbulence Tolerance in Holographic Ghost Imaging System by Channel Coding. <i>Journal of Lightwave Technology</i> , 2013 , 31, 2823-2828	4	17
64	Entanglement analysis for macroscopic Schrödinger's Cat state. <i>Europhysics Letters</i> , 2015 , 109, 40009	1.6	16
63	Logic Bell state concentration with parity check measurement. <i>Frontiers of Physics</i> , 2019 , 14, 1	3.7	16
62	Entanglement concentration for W-type entangled coherent states. <i>Chinese Physics B</i> , 2014 , 23, 080305	1.2	15
61	Efficient single-photon entanglement concentration for quantum communications. <i>Optics Communications</i> , 2014 , 313, 217-222	2	14
60	Protecting single-photon multi-mode W state from photon loss. <i>Quantum Information Processing</i> , 2014 , 13, 1595-1605	1.6	13
59	Protecting single-photon entanglement with imperfect single-photon source. <i>Quantum Information Processing</i> , 2015 , 14, 635-651	1.6	13
58	Distilling single-photon entanglement from photon loss and decoherence. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 2737	1.7	13
57	Measurement-device-independent quantum key distribution of multiple degrees of freedom of a single photon. <i>Frontiers of Physics</i> , 2021 , 16, 1	3.7	13
56	Entanglement assisted single-photon W state amplification. <i>Optics Communications</i> , 2015 , 340, 80-85	2	12
55	Feasible measurement-based entanglement purification in linear optics. <i>Optics Express</i> , 2021 , 29, 9363-9384	3.84	11
54	Feasible time-bin entanglement purification based on sum-frequency generation. <i>Optics Express</i> , 2021 , 29, 571-583	3.3	11
53	High-capacity measurement-device-independent quantum secure direct communication. <i>Quantum Information Processing</i> , 2020 , 19, 1	1.6	10
52	Linear-optical qubit amplification with spontaneous parametric down-conversion source. <i>Laser Physics</i> , 2016 , 26, 015204	1.2	9
51	Certifying quantum teleportation experimentally. <i>Quantum Engineering</i> , 2019 , 1, e22	4.5	9
50	Arbitrary Partially Entangled Three-Electron W State Concentration with Controlled-Not Gates. <i>Chinese Physics Letters</i> , 2014 , 31, 050303	1.8	9
49	Linear-optical heralded amplification protocol for two-photon spatial-mode-polarization hyperentangled state. <i>Quantum Information Processing</i> , 2019 , 18, 1	1.6	8
48	Direct measurement of the concurrence of hybrid entangled state based on parity check measurements. <i>Chinese Physics B</i> , 2019 , 28, 010301	1.2	8

47	Protecting single-photon entanglement with practical entanglement source. <i>Quantum Information Processing</i> , 2017 , 16, 1	1.6	7
46	Noiseless linear amplification for the single-photon entanglement of arbitrary polarization time-bin qudit. <i>Chinese Physics B</i> , 2019 , 28, 010302	1.2	7
45	Arbitrary Four-Photon Cluster State Concentration with Cross-Kerr Nonlinearity. <i>International Journal of Theoretical Physics</i> , 2015 , 54, 1292-1303	1.1	7
44	Direct measurement of the concurrence for two-qubit electron spin entangled pure state based on charge detection. <i>Chinese Physics B</i> , 2015 , 24, 070309	1.2	7
43	Quantum-enhanced interferometry with asymmetric beam splitters. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	7
42	Practical Entanglement Concentration for Entangled Coherent States. <i>International Journal of Theoretical Physics</i> , 2014 , 53, 2033-2040	1.1	7
41	Quantum discord and classical correlation signatures of mobility edges in one-dimensional aperiodic single-electron systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 3026-3032	2.3	7
40	Hybrid entanglement concentration assisted with single coherent state. <i>Chinese Physics B</i> , 2016 , 25, 030302	3.0	7
39	One-step device-independent quantum secure direct communication. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022 , 65, 1	3.6	7
38	Atomic entanglement purification using photonic Faraday rotation. <i>Quantum Information Processing</i> , 2014 , 13, 881-893	1.6	6
37	Efficient Entanglement Concentration for Arbitrary Less-Entangled N-Atom GHZ State. <i>International Journal of Theoretical Physics</i> , 2014 , 53, 1752-1766	1.1	6
36	Multi-copy nested entanglement purification for quantum repeaters. <i>Annals of Physics</i> , 2020 , 412, 1680425	4.5	6
35	Generation of concatenated Greenberger-Horne-Zeilinger-type entangled coherent state based on linear optics. <i>Quantum Information Processing</i> , 2017 , 16, 1	1.6	5
34	Distillation of arbitrary single-photon entanglement assisted with polarized Bell states. <i>Quantum Information Processing</i> , 2015 , 14, 3693-3710	1.6	5
33	Heralded noiseless amplification for single-photon entangled state with polarization feature. <i>Quantum Information Processing</i> , 2018 , 17, 1	1.6	5
32	Purification of the concatenated Greenberger-Horne-Zeilinger state with linear optics. <i>Quantum Information Processing</i> , 2018 , 17, 1	1.6	5
31	Cascaded Multi-Level Linear-Optical Quantum Router. <i>International Journal of Theoretical Physics</i> , 2015 , 54, 3004-3017	1.1	5
30	Electronic cluster state entanglement concentration based on charge detection. <i>Chinese Physics B</i> , 2014 , 23, 020313	1.2	5

29	Efficient electronic entanglement concentration assisted by single mobile electrons. <i>Chinese Physics B</i> , 2013 , 22, 110303	1.2	5
28	Measurement of the concurrence of arbitrary two-photon six-qubit hyperentangled state. <i>Europhysics Letters</i> , 2020 , 129, 50004	1.6	5
27	Measurement-based entanglement purification for entangled coherent states. <i>Frontiers of Physics</i> , 2022 , 17, 1	3.7	5
26	Experimental one-step deterministic polarization entanglement purification. <i>Science Bulletin</i> , 2022 , 67, 593-597	10.6	5
25	Arbitrary atomic cluster state concentration for one-way quantum computation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 503	1.7	4
24	Fast multi-copy entanglement purification with linear optics. <i>Chinese Physics B</i> , 2015 , 24, 120306	1.2	4
23	Electronic Entanglement Concentration for the Concatenated Greenberger-Horne-Zeilinger State. <i>International Journal of Theoretical Physics</i> , 2017 , 56, 1912-1928	1.1	4
22	Entanglement-assisted noiseless linear amplification for arbitrary two-photon polarization-time-bin hyperentanglement. <i>Quantum Information Processing</i> , 2020 , 19, 1	1.6	4
21	Recyclable amplification for single-photon entanglement from photon loss and decoherence. <i>Laser Physics Letters</i> , 2018 , 15, 015201	1.5	4
20	Heralded amplification of single-photon entanglement with polarization feature. <i>Frontiers of Physics</i> , 2018 , 13, 1	3.7	4
19	Multi-copy entanglement purification with practical spontaneous parametric down conversion sources. <i>Chinese Physics B</i> , 2017 , 26, 060307	1.2	3
18	Generation of an arbitrary concatenated Greenberger-Horne-Zeilinger state with single photons. <i>Laser Physics Letters</i> , 2017 , 14, 025203	1.5	3
17	Analytical and Numerical Studies of Quantum Plateau State in One Alternating Heisenberg Chain. <i>Communications in Theoretical Physics</i> , 2014 , 61, 263-269	2.4	3
16	Entanglement Concentration for Arbitrary Four-Photon Cluster State Assisted with Single Photons. <i>International Journal of Theoretical Physics</i> , 2016 , 55, 1128-1144	1.1	2
15	Optimal multi-photon entanglement concentration with the photonic Faraday rotation. <i>Chinese Physics B</i> , 2017 , 26, 020302	1.2	2
14	Generation of an arbitrary logic W state with cross-Kerr nonlinearities. <i>Laser Physics Letters</i> , 2020 , 17, 115203	1.5	1
13	Logic W-state concentration with parity check. <i>Quantum Engineering</i> , 2021 , 3, e63	4.5	1
12	Feasible high-dimensional measurement-device-independent quantum key distribution. <i>Laser Physics Letters</i> , 2021 , 18, 075204	1.5	1

11	Efficient entanglement concentration for arbitrary less-entangled NOON state assisted by single photons. <i>Chinese Physics B</i> , 2016 , 25, 020308	1.2	1
10	A survey on advances of quantum repeater. <i>Europhysics Letters</i> , 2021 , 136, 14001	1.6	0
9	Ancilla-assisted frequency estimation under phase covariant noises with Greenberger-Horne-Zeilinger states. <i>Quantum Information Processing</i> , 2020 , 19, 1	1.6	0
8	The Phase Sensitivities for Different Phase-Shift Configurations in an SU(1,1) Interferometer. <i>Communications in Theoretical Physics</i> , 2019 , 71, 1435	2.4	0
7	Economical multi-photon polarization entanglement purification with Bell state. <i>Quantum Information Processing</i> , 2021 , 20, 1	1.6	0
6	Measurement-device-independent quantum dialogue based on hyperentanglement. <i>Quantum Information Processing</i> , 2021 , 20, 1	1.6	0
5	Practical amplification for a single photon qudit encoded in three degrees of freedom. <i>Laser Physics Letters</i> , 2021 , 18, 055203	1.5	
4	Feasible noiseless linear amplification for single-photon qudit and two-photon hyperentanglement encoded in three degrees of freedom. <i>Quantum Information Processing</i> , 2021 , 20, 1	1.6	
3	Multipartite entanglement purification using time-bin entanglement. <i>Laser Physics Letters</i> , 2021 , 18, 065205	1.5	
2	Construction of quantum gates for concatenated Greenberger-Horne-Zeilinger-type logic qubit. <i>Quantum Information Processing</i> , 2018 , 17, 1	1.6	
1	Efficient generation protocol for the three-level logical entangled states. <i>Quantum Information Processing</i> , 2022 , 21, 1	1.6	