The security of practical quantum key distribution

Reviews of Modern Physics 81, 1301-1350

DOI: 10.1103/revmodphys.81.1301

Citation Report

#	Article	IF	Citations
9	Adaptive Inferential Control for Chemical Processes with Limited Measurement Problems., 1986,,.		0
10	In Vitro Experiments: Circulatory Assist Device Interaction With A Virtual Cardiovascular System., 1992,,.		2
12	A New Method for the Flowrate Measurement of Gas-Liquid Two-Phase Flow. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	0
13	Experimental demonstration of optimal universal asymmetric quantum cloning of polarization states of single photons by partial symmetrization. Physical Review A, 2009, 80, .	1.0	5
14	Continuous phase-shift quantum key distribution. , 2009, , .		O
15	Clock synchronization by remote detection of correlated photon pairs. New Journal of Physics, 2009, 11, 045011.	1.2	70
16	Finite-key analysis for practical implementations of quantum key distribution. New Journal of Physics, 2009, 11, 045024.	1.2	108
17	Entanglement detection. Physics Reports, 2009, 474, 1-75.	10.3	1,668
18	Free space quantum key distribution with coherent polarization states., 2009,,.		1
19	Non-Poissonian statistics from Poissonian light sources with application to passive decoy state quantum key distribution. Optics Letters, 2009, 34, 3238.	1.7	56
20	Three-Color Entanglement. Science, 2009, 326, 823-826.	6.0	215
21	Daylight operation of a free space, entanglement-based quantum key distribution system. New Journal of Physics, 2009, 11, 045007.	1.2	73
22	Differential phase shift-quantum key distribution. IEEE Communications Magazine, 2009, 47, 102-106.	4.9	461
23	Quantum key distribution system in standard telecommunications fiber using a short wavelength single photon source. Journal of Applied Physics, 2010, 107, .	1.1	25
24	Security of Quantum Key Distribution. , 2010, , .		0
25	Coherent State Quantum Key Distribution with Continuous-Wave Laser Beams., 2010,,.		1
26	Reexamination of the decoy-state quantum key distribution with an unstable source. Physical Review A, 2010, 82, .	1.0	35
27	Reference-frame-independent quantum key distribution. Physical Review A, 2010, 82, .	1.0	163

#	ARTICLE	IF	CITATIONS
28	Computation of the geometric measure of entanglement for pure multiqubit states. Physical Review A, $2010,82,.$	1.0	40
29	Quantum throughput: Quantifying quantum-communication devices with homodyne measurements. Physical Review A, 2010, 82, .	1.0	9
30	Passive sources for the Bennett-Brassard 1984 quantum-key-distribution protocol with practical signals. Physical Review A, 2010, 82, .	1.0	17
31	Fundamental quantitative security in quantum key generation. Physical Review A, 2010, 82, .	1.0	16
32	Atmospheric channel characteristics for quantum communication with continuous polarization variables. Applied Physics B: Lasers and Optics, 2010, 98, 635-640.	1.1	39
33	Improvement of two-way continuous variable quantum cryptography by using additional noise. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2434-2437.	0.9	7
34	Independent attacks in imperfect settings: A case for a two-way quantum key distribution scheme. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4205-4211.	0.9	2
35	Probabilistic quantum cloning of real states. Optics Communications, 2010, 283, 1956-1960.	1.0	7
36	Probabilistically perfect quantum cloning and unambiguous state discrimination. Optics Communications, 2010, 283, 3818-3824.	1.0	3
37	Hacking commercial quantum cryptography systems by tailored bright illumination. Nature Photonics, 2010, 4, 686-689.	15.6	844
38	Robustness of bipartite Gaussian entangled beams propagating in lossy channels. Nature Photonics, 2010, 4, 858-861.	15.6	54
39	Experimental demonstration of phase-remapping attack in a practical quantum key distribution system. New Journal of Physics, 2010, 12, 113026.	1.2	247
40	Distillation and purification of symmetric entangled Gaussian states. Physical Review A, 2010, 82, .	1.0	34
41	Security proof for quantum key distribution using qudit systems. Physical Review A, 2010, 82, .	1.0	186
42	Finite-size analysis of a continuous-variable quantum key distribution. Physical Review A, 2010, 81, .	1.0	293
43	Simple proof that Gaussian attacks are optimal among collective attacks against continuous-variable quantum key distribution with a Gaussian modulation. Physical Review A, 2010, 81, .	1.0	50
44	Implementation of two-party protocols in the noisy-storage model. Physical Review A, 2010, 81, .	1.0	38
45	Passive-scheme analysis for solving the untrusted source problem in quantum key distribution. Physical Review A, 2010, 81, .	1.0	17

#	Article	IF	CITATIONS
46	Passive decoy-state quantum key distribution with practical light sources. Physical Review A, 2010, 81, .	1.0	67
47	Practical issues in quantum-key-distribution postprocessing. Physical Review A, 2010, 81, .	1.0	139
48	Strong no-go theorem for Gaussian quantum bit commitment. Physical Review A, 2010, 81, .	1.0	30
49	All Reversible Dynamics in Maximally Nonlocal Theories are Trivial. Physical Review Letters, 2010, 104, 080402.	2.9	64
50	Finite-key security against coherent attacks in quantum key distribution. New Journal of Physics, 2010, 12, 123019.	1.2	48
51	A necessary condition for the security of differential-phase-shift quantum key distribution. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 305302.	0.7	3
52	Coherent state quantum key distribution with multi letter phase-shift keying. New Journal of Physics, 2010, 12, 053019.	1,2	59
53	An advanced design of receiver for free space quantum key distribution system. , 2010, , .		0
54	Passive Decoy State Quantum Key Distribution. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 132-141.	0.2	0
55	Macroscopic Differential Phase Shift Quantum Key Distribution Using an Optically Pre-Amplified Receiver. Japanese Journal of Applied Physics, 2010, 49, 122801.	0.8	7
56	A short history of laser development. Applied Optics, 2010, 49, F99.	2.1	78
57	Decoy-state quantum key distribution with polarized photons over 200 km. Optics Express, 2010, 18, 8587.	1.7	182
58	Synchronization of random bit generators based on coupled chaotic lasers and application to cryptography. Optics Express, 2010, 18, 18292.	1.7	59
59	Optimum design for BB84 quantum key distribution in tree-type passive optical networks. Journal of the Optical Society of America B: Optical Physics, 2010, 27, A146.	0.9	5
60	Testing quantum randomness in single-photon polarization measurements with the NIST test suite. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 1594.	0.9	19
61	Single Photons from Coupled Quantum Modes. Physical Review Letters, 2010, 104, 183601.	2.9	336
63	Experimental quantum-cryptography scheme based on orthogonal states. Physical Review A, 2010, 82, .	1.0	32
64	Quantum Cryptography Approaching the Classical Limit. Physical Review Letters, 2010, 105, 110501.	2.9	110

#	Article	IF	CITATIONS
65	MODERN QUANTUM TECHNOLOGIES OF INFORMATION SECURITY AGAINST CYBERâ€TERRORIST ATTACKS. Aviation, 2010, 14, 58-69.	0.7	22
66	Continuous operation of high bit rate quantum key distribution. Applied Physics Letters, 2010, 96, .	1.5	146
67	Experimental realization of Goldenberg & Samp; #x2014; Vaidman QKD protocol., 2010,,.		0
68	Security proof of Improved-SARG04 protocol using the same four qubit states. , 2010, , .		O
69	Unconditional security proof of a deterministic quantum key distribution with a two-way quantum channel. Physical Review A, 2011, 84, .	1.0	54
70	Device Calibration Impacts Security of Quantum Key Distribution. Physical Review Letters, 2011, 107, 110501.	2.9	194
71	Secure gated detection scheme for quantum cryptography. Physical Review A, 2011, 83, .	1.0	29
72	Superlinear threshold detectors in quantum cryptography. Physical Review A, 2011, 84, .	1.0	65
73	Immunity of information encoded in decoherence-free subspaces to particle loss. Physical Review A, 2011, 84, .	1.0	6
74	Minimum energy per bit in high bit rate optical communications and quantum communications. Proceedings of SPIE, $2011,  ,  .$	0.8	0
75	Experimental generation of single photons via active multiplexing. Physical Review A, $2011,83,.$	1.0	165
76	Experimental loss-tolerant quantum coin flipping. Nature Communications, 2011, 2, 561.	5.8	32
77	Two-Dimensional Optical Code-Division Modulation With Quantum-Noise Aided Encryption for Applications in Key Distribution. Journal of Lightwave Technology, 2011, 29, 2081-2088.	2.7	2
78	Impact of Third-Order Intermodulation on the Performance of Subcarrier Multiplexed Quantum Key Distribution. Journal of Lightwave Technology, 2011, 29, 3061-3069.	2.7	11
79	Intrinsic limitations to the quality of pulsed spontaneous parametric downconversion sources for quantum information applications. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 832.	0.9	8
80	Search for patterns in sequences of single-photon polarization measurements. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1423.	0.9	6
81	Simple proof of the quantum benchmark fidelity for continuous-variable quantum devices. Physical Review A, 2011, 83, .	1.0	12
82	Long-distance practical quantum key distribution by entanglement swapping. Optics Express, 2011, 19, 3004.	1.7	41

#	Article	IF	CITATIONS
83	Field test of quantum key distribution in the Tokyo QKD Network. Optics Express, 2011, 19, 10387.	1.7	816
84	Time-cost analysis of a quantum key distribution system clocked at 100 MHz. Optics Express, 2011, 19, 17729.	1.7	4
85	Efficient and low-noise single-photon avalanche photodiode for 1244-GHz clocked quantum key distribution. Optics Express, 2011, 19, 20531.	1.7	50
86	Quantum entanglement distribution with 810 nm photons through active telecommunication fibers. Optics Express, 2011, 19, 20597.	1.7	5
87	A high-speed tunable beam splitter for feed-forward photonic quantum information processing. Optics Express, 2011, 19, 22723.	1.7	26
88	Subwavelength localization of near fields in coupled metallic spheres for single-emitter polarization analysis. Optics Letters, 2011, 36, 2339.	1.7	7
89	Continuous-variable quantum key distribution with Gaussian source noise. Physical Review A, 2011, 83,	1.0	42
90	Long-distance continuous-variable quantum key distribution with a Gaussian modulation. Physical Review A, 2011, 84, .	1.0	204
91	Tokyo QKD Network and the evolution to Secure Photonic Network., 2011,,.		8
92	Continuous Variable Quantum Communication and Computation. , 2011, , .		0
93	Performance of the SwissQuantum network over 21 months., 2011,,.		0
94	Finite-key analysis of the six-state protocol with photon number resolution detectors. , 2011, , .		1
95	Quantum cryptography and authentication with low key-consumption. Proceedings of SPIE, 2011, , .	0.8	0
96	Security of Post-selection based Continuous Variable Quantum Key Distribution against Arbitrary Attacks. , 2011, , .		0
97	On the vulnerability of the swiss system of coherent quantum cryptography to an attack with repeated measurements. JETP Letters, 2011, 93, 178-185.	0.4	0
98	Quantum key distribution without the transfer of a quantum state as a whole through a communication channel. JETP Letters, 2011, 93, 354-357.	0.4	0
99	On a solution to the problem of ensuring the security of quantum cryptography for an infinite communication channel. JETP Letters, 2011, 93, 747-753.	0.4	1
100	Relativistic quantum cryptography for open space without clock synchronization on the receiver and transmitter sides. JETP Letters, 2011, 94, 469-476.	0.4	5

#	Article	IF	CITATIONS
101	Influence of light source linewidth in differential-phase-shift quantum key distribution systems. Optics Communications, 2011, 284, 5856-5859.	1.0	10
102	Dispersion Supported BB84 Quantum Key Distribution Using Phase Modulated Light. IEEE Photonics Journal, 2011, 3, 433-440.	1.0	10
103	Quantum-inspired design of resilient substitution boxes: From coding to hardware implementation. Applied Soft Computing Journal, 2011, 11, 4312-4320.	4.1	0
104	Demonstration of a Single-Photon Router in the Microwave Regime. Physical Review Letters, 2011, 107, 073601.	2.9	377
105	Full-field implementation of a perfect eavesdropper on a quantum cryptography system. Nature Communications, 2011, 2, 349.	5.8	373
106	Strong Einstein-Podolsky-Rosen entanglement from a single squeezed light source. Physical Review A, 2011, 83, .	1.0	48
107	Effects of depolarizing quantum channels on BB84 and SARGO4 quantum cryptography protocols. Laser Physics, 2011, 21, 1438-1442.	0.6	15
108	Experimental studies in quantum cryptography. Russian Microelectronics, 2011, 40, 245-253.	0.1	10
109	Quantum key distribution with a reference quantum state. Journal of Experimental and Theoretical Physics, 2011, 113, 743-754.	0.2	1
110	Diamond-based single-photon emitters. Reports on Progress in Physics, 2011, 74, 076501.	8.1	462
111	Min- and Max-Entropy in Infinite Dimensions. Communications in Mathematical Physics, 2011, 306, 165-186.	1.0	39
112	Quantum modelling of electroâ€optic modulators. Laser and Photonics Reviews, 2011, 5, 750-772.	4.4	27
113	Lower bounds for the security of modified coherent-one-way quantum key distribution against one-pulse-attack. Optics Communications, 2011, 284, 889-892.	1.0	1
114	Statistical method for resolving the photon–photoelectron-counting inversion problem. Journal of Computational Physics, 2011, 230, 726-743.	1.9	1
115	Squeezed-state quantum key distribution upon imperfect reconciliation. New Journal of Physics, 2011, 13, 113007.	1.2	54
116	A balanced homodyne detector for high-rate Gaussian-modulated coherent-state quantum key distribution. New Journal of Physics, 2011, 13, 013003.	1.2	95
117	Controlling a superconducting nanowire single-photon detector using tailored bright illumination. New Journal of Physics, 2011, 13, 113042.	1.2	127
118	After-gate attack on a quantum cryptosystem. New Journal of Physics, 2011, 13, 013043.	1.2	128

#	Article	IF	Citations
119	Quantum reading capacity. New Journal of Physics, 2011, 13, 113012.	1.2	60
120	Fair and optimistic quantum contract signing. Physical Review A, 2011, 84, .	1.0	10
121	Differential-phase-shift quantum key distribution with phase modulation to combat sequential attacks. Physical Review A, $2011,84,\ldots$	1.0	3
122	Practical quantum coin flipping. Physical Review A, 2011, 84, .	1.0	15
123	Quantum key distribution with finite resources: Secret key rates via Rényi entropies. Physical Review A, 2011, 84, .	1.0	12
124	Semi-device-independent security of one-way quantum key distribution. Physical Review A, 2011, 84, .	1.0	194
125	Passive Faraday-mirror attack in a practical two-way quantum-key-distribution system. Physical Review A, 2011, 83, .	1.0	71
126	Proof-of-principle experiment of a modified photon-number-splitting attack against quantum key distribution. Physical Review A, $2011,83,\ldots$	1.0	16
127	Continuous-variable quantum-key-distribution protocols with a non-Gaussian modulation. Physical Review A, 2011, 83, .	1.0	123
128	Intrinsic quantum correlations of weak coherent states for quantum communication. Physical Review A, 2011, 83, .	1.0	3
129	Min-entropy and quantum key distribution: Nonzero key rates for "small―numbers of signals. Physical Review A, 2011, 83, .	1.0	18
130	Signal enhancement and background suppression using interference and entanglement. Physical Review A, 2011, 83, .	1.0	2
131	Experimental Extraction of Secure Correlations from a Noisy Private State. Physical Review Letters, 2011, 106, 030501.	2.9	17
132	Field demonstration of quantum key distribution in the Tokyo QKD Network. , 2011, , .		2
133	Cracking quantum cryptography., 2011,,.		1
134	Source monitor in quantum key distribution. , 2011, , .		0
135	Anti-bunched photons from a lateral light-emitting diode. Applied Physics Letters, 2011, 99, 131103.	1.5	2
136	Open-loop and closed-loop control of flying qubits. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 154005.	0.6	5

#	Article	IF	CITATIONS
137	Free-space quantum key distribution with spatial modes of the optical field., 2011,,.		2
138	Quantum key distribution in a high-dimensional state space: exploiting the transverse degree of freedom of the photon. Proceedings of SPIE, $2011, \ldots$	0.8	25
139	Efficient Phase-Encoding Quantum Key Generation with Narrow-Band Single Photons. Chinese Physics Letters, 2011, 28, 070307.	1.3	9
140	A novel synchronization scheme for free-space quantum key distribution system. Proceedings of SPIE, 2011, , .	0.8	0
141	Long-term performance of the SwissQuantum quantum key distribution network in a field environment. New Journal of Physics, 2011, 13, 123001.	1.2	243
142	Note: Scalable multiphoton coincidence-counting electronics. Review of Scientific Instruments, 2011, 82, 016102.	0.6	11
143	High-quality polarization entanglement state preparation and manipulation in standard telecommunication channels. New Journal of Physics, 2012, 14, 085015.	1.2	45
144	Study on the security of discrete-variable quantum key distribution over non-Markovian channels. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 135501.	0.6	10
145	Air to ground quantum key distribution. Proceedings of SPIE, 2012, , .	0.8	5
146	Thwarting the photon-number-splitting attack with entanglement-enhanced BB84 quantum key distribution. New Journal of Physics, 2012, 14, 043003.	1.2	4
147	SECURITY OF A NEW TWO-WAY CONTINUOUS-VARIABLE QUANTUM KEY DISTRIBUTION PROTOCOL. International Journal of Quantum Information, 2012, 10, 1250059.	0.6	29
148	One-way EPR steering and genuine multipartite EPR steering. , 2012, , .		0
149	Field test of classical symmetric encryption with continuous variables quantum key distribution. Optics Express, 2012, 20, 14030.	1.7	97
150	Experimental demonstration of subcarrier multiplexed quantum key distribution system. Optics Letters, 2012, 37, 2031.	1.7	29
151	Real-time monitoring of single-photon detectors against eavesdropping in quantum key distribution systems. Optics Express, 2012, 20, 18911.	1.7	44
152	Stability of high bit rate quantum key distribution on installed fiber. Optics Express, 2012, 20, 16339.	1.7	79
153	Simultaneous transmission of 20x2 WDM/SCM-QKD and 4 bidirectional classical channels over a PON. Optics Express, 2012, 20, 16358.	1.7	33
154	Physical layer security in space-division multiplexed fiber optic communications. , 2012, , .		10

#	Article	IF	CITATIONS
155	Security proof of the unbalanced phase-encoded Bennett-Brassard 1984 protocol. Physical Review A, 2012, 86, .	1.0	14
156	Source monitoring for continuous-variable quantum key distribution. Physical Review A, 2012, 86, .	1.0	19
157	Decoy-state method of quantum key distribution with both source errors and statistics fluctuations. Physical Review A, 2012, 86, .	1.0	16
158	Improving the maximum transmission distance of continuous-variable quantum key distribution using a noiseless amplifier. Physical Review A, 2012, 86, .	1.0	109
159	Symmetrization technique for continuous-variable quantum key distribution. Physical Review A, 2012, 85, .	1.0	4
160	Polarization-entanglement-conserving frequency conversion of photons. Physical Review A, 2012, 85, .	1.0	66
161	Noiseless Loss Suppression in Quantum Optical Communication. Physical Review Letters, 2012, 109, 180503.	2.9	74
162	Side-Channel-Free Quantum Key Distribution. Physical Review Letters, 2012, 108, 130502.	2.9	508
163	Gaussian postselection and virtual noiseless amplification in continuous-variable quantum key distribution. Physical Review A, 2012, 86, .	1.0	90
164	Information Trade-Offs for Optical Quantum Communication. Physical Review Letters, 2012, 108, 140501.	2.9	34
165	Experimental demonstration of passive decoy state quantum key distribution. Chinese Physics B, 2012, 21, 100307.	0.7	11
166	2 GHz clock quantum key distribution over 260 km of standard telecom fiber. Optics Letters, 2012, 37, 1008.	1.7	202
167	Generation of spatially pure photon pairs in a multimode nonlinear waveguide using intermodal dispersion. Proceedings of SPIE, 2012, , .	0.8	3
168	QUANTUM SECURE DIRECT COMMUNICATION WITH QUANTUM IDENTIFICATION. International Journal of Quantum Information, 2012, 10, 1250008.	0.6	15
169	Optimal eavesdropping on quantum key distribution without quantum memory. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 025305.	0.7	5
170	Thwarting the photon number splitting attack with entanglement enhanced BB84 quantum key distribution. , 2012, , .		0
171	Information-Theoretic Security in Space-Division Multiplexed Fiber Optic Networks. , 2012, , .		9
172	Microwave Photonics Parallel Quantum Key Distribution. IEEE Photonics Journal, 2012, 4, 931-942.	1.0	12

#	ARTICLE	IF	CITATIONS
173	Optics and Photonics: Key Enabling Technologies. Proceedings of the IEEE, 2012, 100, 1604-1643.	16.4	42
174	Underwater Communications. Synthesis Lectures on Communications, 2012, 5, 1-129.	0.5	34
175	Complete experimental toolbox for alignment-free quantum communication. Nature Communications, 2012, 3, 961.	5.8	264
176	Quantum reading under a local energy constraint. Physical Review A, 2012, 86, .	1.0	24
177	Continuous-variable quantum key distribution using thermal states. Physical Review A, 2012, 86, .	1.0	93
178	Security of Distributed-Phase-Reference Quantum Key Distribution. Physical Review Letters, 2012, 109, 260501.	2.9	36
179	Continuous variable quantum key distribution with modulated entangled states. Nature Communications, 2012, 3, 1083.	5.8	169
180	Wavelength-selected photon-number-splitting attack against plug-and-play quantum key distribution systems with decoy states. Physical Review A, 2012, 86, .	1.0	25
181	Public and private resource trade-offs for a quantum channel. Quantum Information Processing, 2012, 11, 1465-1501.	1.0	24
182	The measure of security in quantum cryptography. , 2012, , .		14
183	Comparison of CASCADE error correction protocol and LDPC error correction codes., 2012,,.		1
184	High-speed and high-efficiency travelling wave single-photon detectors embedded in nanophotonic circuits. Nature Communications, 2012, 3, 1325.	5.8	366
185	Experimental Demonstration of Counterfactual Quantum Communication. Physical Review Letters, 2012, 109, 030501.	2.9	60
186	Quantum memories and error correction. Journal of Modern Optics, 2012, 59, 1717-1738.	0.6	26
187	Effect of intensity modulator extinction on practical quantum key distribution system. European Physical Journal D, 2012, 66, 1.	0.6	9
188	One-sided device-independent quantum key distribution: Security, feasibility, and the connection with steering. Physical Review A, 2012, 85, .	1.0	564
189	Continuous Variable Quantum Key Distribution: Finite-Key Analysis of Composable Security against Coherent Attacks. Physical Review Letters, 2012, 109, 100502.	2.9	237
190	Experimental analysis of decoherence in continuous-variable bipartite systems. Physical Review A, 2012, 86, .	1.0	43

#	Article	IF	CITATIONS
191	Quantum key distribution on composite photons, polarization qutrits. JETP Letters, 2012, 96, 336-341.	0.4	9
192	On the resistance of relativistic quantum cryptography in open space at finite resources. JETP Letters, 2012, 96, 342-348.	0.4	5
193	Studying free-space transmission statistics and improving free-space quantum key distribution in the turbulent atmosphere. New Journal of Physics, 2012, 14, 123018.	1.2	65
194	Quantum key distribution using quantum dot single-photon emitting diodes in the red and near infrared spectral range. New Journal of Physics, 2012, 14, 083001.	1.2	80
195	Analysis of imperfections in practical continuous-variable quantum key distribution. Physical Review A, 2012, 86, .	1.0	160
196	Improving the performance of the four-state continuous-variable quantum key distribution by using optical amplifiers. Physical Review A, 2012, 86, .	1.0	56
197	Toward Global Quantum Communication: Beam Wandering Preserves Nonclassicality. Physical Review Letters, 2012, 108, 220501.	2.9	122
198	An FPGA-based module for multiphoton coincidence counting. Proceedings of SPIE, 2012, , .	0.8	6
199	Entanglement of Gaussian states and the applicability to quantum key distribution over fading channels. New Journal of Physics, 2012, 14, 093048.	1.2	98
200	TOMOGRAPHIC QUANTUM CRYPTOGRAPHY PROTOCOLS ARE REFERENCE FRAME INDEPENDENT. International Journal of Quantum Information, 2012, 10, 1250035.	0.6	13
201	Measurement-Device-Independent Quantum Key Distribution. Physical Review Letters, 2012, 108, 130503.	2.9	1,510
202	The organization and traffic engineering of a quantum cryptography network. Science China: Physics, Mechanics and Astronomy, 2012, 55, 1562-1570.	2.0	0
203	Entropy uncertainty relations and stability of phase-temporal quantum cryptography with finite-length transmitted strings. Journal of Experimental and Theoretical Physics, 2012, 115, 969-985.	0.2	3
204	Blind Quantum Computing with Weak Coherent Pulses. Physical Review Letters, 2012, 108, 200502.	2.9	76
205	Homodyne detection for atmosphere channels. Physical Review A, 2012, 85, .	1.0	37
206	Quantum key distribution with several intercept–resend attacks via a depolarizing channel. Physica Scripta, 2012, 86, 015803.	1.2	5
207	Fundamental quantum optics experiments conceivable with satellitesâ€"reaching relativistic distances and velocities. Classical and Quantum Gravity, 2012, 29, 224011.	1.5	131
208	Quantum key distribution. , 0, , 305-327.		0

#	ARTICLE	IF	CITATIONS
209	Experimental realization of counterfactual quantum cryptography. Laser Physics Letters, 2012, 9, 247-252.	0.6	47
210	Gaussian quantum information. Reviews of Modern Physics, 2012, 84, 621-669.	16.4	2,430
211	Information communicated by entangled photon pairs. Physical Review A, 2012, 85, .	1.0	16
212	Four-state continuous-variable quantum key distribution with long secure distance. Physical Review A, 2012, 85, .	1.0	20
213	A Modified Quantum Key Distribution Without Public Announcement Bases Against Photon-Number-Splitting Attack. International Journal of Theoretical Physics, 2012, 51, 2514-2523.	0.5	9
214	On geometrically uniform states in quantum cryptography. JETP Letters, 2012, 95, 332-337.	0.4	3
215	Optimization of optical fiber parameters to reduce errors of quantum key distribution using entangled polarization states of biphotons. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq0 (	) OogBT /C	Overlock 10 T
216	Hamiltonian of photons in a single-mode optical fiber for quantum communications protocols. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2012, 112, 777-786.	0.2	6
217	Analysis of elliptically polarized maximally entangled states for bell inequality tests. Laser Physics, 2012, 22, 1105-1112.	0.6	3
218	On the vulnerability of basic quantum key distribution protocols and three protocols stable to attack with "blinding―of avalanche photodetectors. Journal of Experimental and Theoretical Physics, 2012, 114, 707-723.	0.2	8
219	Information geometric security analysis of differential phaseâ€shift quantum key distribution protocol. Security and Communication Networks, 2013, 6, 129-150.	1.0	2
220	Three-particle deterministic secure and high bit-rate direct quantum communication protocol. Quantum Information Processing, 2013, 12, 2441-2451.	1.0	8
221	Asymmetric architecture for heralded single-photon sources. Physical Review A, 2013, 88, .	1.0	31
222	Management of security in quantum cryptography. , 2013, 51, 36-41.		27
223	Long distance measurement-device-independent quantum key distribution with entangled photon sources. Applied Physics Letters, 2013, 103, .	1.5	56
224	Optical scheme for realization of optimal unambiguous state discrimination of the JS limit. Science China: Physics, Mechanics and Astronomy, 2013, 56, 606-609.	2.0	3
225	A quantum access network. Nature, 2013, 501, 69-72.	13.7	220
226	Higher-dimensional orbital-angular-momentum-based quantum key distribution with mutually unbiased bases. Physical Review A, 2013, 88, .	1.0	264

#	Article	IF	CITATIONS
227	Experimental quantum key distribution with finite-key security analysis for noisy channels. Nature Communications, 2013, 4, 2363.	5.8	44
228	Quasi-unambiguous state discrimination for coherent states with phase fluctuation. Optics Communications, 2013, 304, 136-142.	1.0	0
229	Finite-key analysis for one-sided device-independent quantum key distribution. Physical Review A, 2013, 88, .	1.0	29
230	Three-intensity decoy-state method for measurement-device-independent quantum key distribution. Physical Review A, 2013, 88, .	1.0	43
231	Device-Independent Quantum Key Distribution with Local Bell Test. Physical Review X, 2013, 3, .	2.8	52
232	Statistical Tests of Randomness on Quantum Keys Distributed Through a Free-Space Channel Coupled to Daylight Noise. Journal of Lightwave Technology, 2013, 31, 3794-3805.	2.7	49
233	Monogamy inequalities for the Einstein-Podolsky-Rosen paradox and quantum steering. Physical Review A, 2013, 88, .	1.0	98
234	Genuine Multipartite Einstein-Podolsky-Rosen Steering. Physical Review Letters, 2013, 111, 250403.	2.9	188
235	Quantum-key-distribution protocols without sifting that are resistant to photon-number-splitting attacks. Physical Review A, 2013, 88, .	1.0	3
236	Experimental Entanglement Distribution by Separable States. Physical Review Letters, 2013, 111, 230505.	2.9	56
237	Measurement-device-independent quantum key distribution with uncharacterized qubit sources. Physical Review A, 2013, 88, .	1.0	57
238	Phase-encoded measurement-device-independent quantum key distribution with practical spontaneous-parametric-down-conversion sources. Physical Review A, 2013, 88, .	1.0	29
239	Design optimization for quantum communications in a GNSS intersatellite network., 2013,,.		4
240	Quantum hacking of a continuous-variable quantum-key-distribution system using a wavelength attack. Physical Review A, 2013, 87, .	1.0	155
241	Entanglement verification and steering when Alice and Bob cannot be trusted. Physical Review A, 2013, 87, .	1.0	62
242	Improve the maximum transmission distance of no-switching continuous-variable quantum key distribution by using a noiseless linear amplifier., 2013,,.		1
243	On the secrecy capacity of the space-division multiplexed fiber optical communication systems. , 2013, , .		7
244	Quantum channels with beam wandering: an analysis of the Marcum <i>Q</i> -function. Physica Scripta, 2013, T153, 014062.	1.2	2

#	Article	IF	CITATIONS
245	Security of Continuous-Variable Quantum Key Distribution Against General Attacks. Physical Review Letters, 2013, 110, 030502.	2.9	183
246	Security of continuous-variable quantum cryptography with Gaussian postselection. Physical Review A, 2013, 87, .	1.0	62
247	Cross time-bin photonic entanglement for quantum key distribution. Physical Review A, 2013, 87, .	1.0	20
248	Air-to-ground quantum communication. Nature Photonics, 2013, 7, 382-386.	15.6	243
249	Optical wireless quantum communication coding system using decimal convertor. Optical and Quantum Electronics, 2013, 45, 449-457.	1.5	4
250	Experimental demonstration of long-distance continuous-variable quantum key distribution. Nature Photonics, 2013, 7, 378-381.	15.6	629
251	Quantum key distribution with finite resources: Taking advantage of quantum noise. Physical Review A, 2013, 87, .	1.0	11
252	Direct and full-scale experimental verifications towards ground–satellite quantum key distribution. Nature Photonics, 2013, 7, 387-393.	15.6	247
253	Quantum repeaters and quantum key distribution: Analysis of secret-key rates. Physical Review A, 2013, 87, .	1.0	46
254	A comprehensive design and performance analysis of low Earth orbit satellite quantum communication. New Journal of Physics, 2013, 15, 023006.	1.2	150
255	Investigations of afterpulsing and detection efficiency recovery in superconducting nanowire single-photon detectors. Journal of Applied Physics, 2013, 113, 213102.	1.1	14
256	QUANTUM KEY DISTRIBUTION WITH LIMITED CLASSICAL BOB. International Journal of Quantum Information, 2013, 11, 1350005.	0.6	37
257	Einstein-Podolsky-Rosen steering inequalities from entropic uncertainty relations. Physical Review A, 2013, 87, .	1.0	233
258	Quantum repeaters and quantum key distribution: The impact of entanglement distillation on the secret key rate. Physical Review A, 2013, 87, .	1.0	35
259	Multi-user quantum key distribution based on Bell states with mutual authentication. Physica Scripta, 2013, 87, 035008.	1.2	9
260	Distribution of entanglement in large-scale quantum networks. Reports on Progress in Physics, 2013, 76, 096001.	8.1	68
261	Certifying Systematic Errors in Quantum Experiments. Physical Review Letters, 2013, 110, 180401.	2.9	30
262	A universal quantum key distribution method. Optoelectronics Letters, 2013, 9, 389-392.	0.4	2

#	Article	IF	CITATIONS
263	Bound on Noise of Coherent Source for Secure Continuous-Variable Quantum Key Distribution. International Journal of Theoretical Physics, 2013, 52, 1572-1582.	0.5	16
264	Semi-counterfactual cryptography. Europhysics Letters, 2013, 103, 60008.	0.7	16
265	In quantum direct communication an undetectable eavesdropper can always tell $\hat{\Gamma}$ from $\hat{I}$ Bell states in the message mode. Physical Review A, 2013, 87, .	1.0	14
266	Real-World Two-Photon Interference and Proof-of-Principle Quantum Key Distribution Immune to Detector Attacks. Physical Review Letters, 2013, 111, 130501.	2.9	282
267	Highly efficient heralding of entangled single photons. Optics Express, 2013, 21, 6707.	1.7	56
268	A high-speed multi-protocol quantum key distribution transmitter based on a dual-drive modulator. Optics Express, 2013, 21, 19579.	1.7	21
269	Efficient decoy-state quantum key distribution with quantified security. Optics Express, 2013, 21, 24550.	1.7	153
270	Decoy-state quantum key distribution with nonclassical light generated in a one-dimensional waveguide. Optics Letters, 2013, 38, 622.	1.7	4
271	Four-Wave Mixing in Single-Mode Optical Fibers. Experimental Methods in the Physical Sciences, 2013, , 411-465.	0.1	8
272	Quantum optics experiments using the International Space Station: a proposal. New Journal of Physics, 2013, 15, 043008.	1.2	55
273	Demonstration of free-space reference frame independent quantum key distribution. New Journal of Physics, 2013, 15, 073001.	1.2	47
274	Gaussian entanglement for quantum key distribution from a single-mode squeezing source. New Journal of Physics, 2013, 15, 053049.	1.2	20
275	Antibunching photons in a cavity coupled to an optomechanical system. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 035502.	0.6	91
276	Physical key-protected one-time pad. Scientific Reports, 2013, 3, 3543.	1.6	89
277	Maximum confidence measurements via probabilistic quantum cloning. Chinese Physics B, 2013, 22, 030312.	0.7	1
278	An improved two-way continuous-variable quantum key distribution protocol with added noise in homodyne detection. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 085501.	0.6	9
279	Mutually unbiased measurements for high-dimensional time-bin–based photonic states. Europhysics Letters, 2013, 104, 30003.	0.7	7
280	Security of high-dimensional quantum key distribution protocols using Franson interferometers. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 104010.	0.6	50

#	Article	IF	Citations
281	Quantum Message Distribution. Communications in Theoretical Physics, 2013, 59, 37-42.	1.1	0
282	Error-tradeoff and error-disturbance relations for incompatible quantum measurements. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6742-6747.	3.3	116
283	A survey on device-independent quantum communications. China Communications, 2013, 10, 1-10.	2.0	5
284	Security of Device-Independent Quantum Key Distribution in the Bounded-Quantum-Storage Model. Physical Review X, 2013, 3, .	2.8	37
285	Preventing calibration attacks on the local oscillator in continuous-variable quantum key distribution. Physical Review A, 2013, 87, .	1.0	235
286	Role of complementarity in superdense coding. Physical Review A, 2013, 88, .	1.0	5
287	A study on CASCADE error correction protocol., 2013,,.		1
288	Resource-efficient linear-optical quantum router. Physical Review A, 2013, 87, .	1.0	65
289	Effects of preparation and measurement misalignments on the security of the Bennett-Brassard 1984 quantum-key-distribution protocol. Physical Review A, 2013, 87, .	1.0	4
290	Security of two-way quantum key distribution. Physical Review A, 2013, 88, .	1.0	58
291	Continuous-variable quantum key distribution with entanglement in the middle. Physical Review A, 2013, 87, .	1.0	60
292	Optimal probabilistic measurement of phase. Physical Review A, 2013, 88, .	1.0	5
293	Performance improvement of continuous-variable quantum key distribution via photon subtraction. Physical Review A, 2013, 87, .	1.0	95
294	Three-intensity decoy-state method for device-independent quantum key distribution with basis-dependent errors. Physical Review A, 2013, 87, .	1.0	164
295	Improving the maximum transmission distance of four-state continuous-variable quantum key distribution by using a noiseless linear amplifier. Physical Review A, 2013, 87, .	1.0	28
296	Analysis of a rate-adaptive reconciliation protocol and the effect of leakage on the secret key rate. Physical Review A, 2013, 87, .	1.0	7
297	Blind quantum computation protocol in which Alice only makes measurements. Physical Review A, 2013, 87, .	1.0	133
298	Real-world two-photon interference and proof-of-principle QKD immune to detector attacks. , 2013, , .		1

#	Article	IF	CITATIONS
299	Amplification of the transmission rate for quantum key distribution based on subcarrier multiplexing. , $2013,  ,  .$		0
300	Complete experimental toolbox for alignment-free quantum communication. , 2013, , .		0
301	QUANTUM KEY DISTRIBUTION WITH REALISTIC HERALDED SINGLE-PHOTON SOURCES. International Journal of Quantum Information, 2013, 11, 1350034.	0.6	8
302	A Large-alphabet Quantum Key Distribution Protocol Using Orbital Angular Momentum Entanglement. Chinese Physics Letters, 2013, 30, 060305.	1.3	14
303	Practical aspects of measurement-device-independent quantum key distribution. New Journal of Physics, 2013, 15, 113007.	1.2	128
304	DISCRETELY MODULATED CONTINUOUS-VARIABLE QUANTUM KEY DISTRIBUTION WITH A NONDETERMINISTIC NOISELESS AMPLIFIER. International Journal of Quantum Information, 2013, 11, 1350037.	0.6	1
305	Experimental demonstration of continuous-variable quantum key distribution over 80 km of standard telecom fiber. , 2013, , .		0
306	A versatile source of polarization entangled photons for quantum network applications. Laser Physics Letters, 2013, 10, 045202.	0.6	17
307	SECURITY ENHANCED DIRECT QUANTUM COMMUNICATION WITH HIGHER BIT-RATE. International Journal of Quantum Information, 2013, 11, 1350020.	0.6	6
308	Key Reconciliation for High Performance Quantum Key Distribution. Scientific Reports, 2013, 3, 1576.	1.6	41
309	Two-photon interference between disparate sources for quantum networking. Scientific Reports, 2013, 3, 2032.	1.6	15
311	PDL Compensation Using Whitening Matrix in Polarization Division Multiplexed Coherent Optical Transmission. , 2013, , .		2
312	Two-way quantum cryptography with continuous variables: unconditional security and performances at different wavelengths., 2014,,.		0
313	Quantum Flows for Secret Key Distribution in the Presence of the Photon Number Splitting Attack. Entropy, 2014, 16, 3121-3135.	1.1	9
314	Influence of guided acoustic wave Brillouin scattering on excess noise in fiber-based continuous variable quantum key distribution. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2379.	0.9	13
315	Uncertainty relation for mutual information. Physical Review A, 2014, 90, .	1.0	5
316	Security of a practical semi-device-independent quantum key distribution protocol against collective attacks. Chinese Physics B, 2014, 23, 080303.	0.7	5
317	Room temperature single-photon detectors for high bit rate quantum key distribution. Applied Physics Letters, 2014, 104, .	1.5	79

#	ARTICLE	IF	CITATIONS
318	Traceable metrology for characterizing quantum optical communication devices. Metrologia, 2014, 51, S258-S266.	0.6	4
319	Detector-device-independent quantum key distribution. Applied Physics Letters, 2014, 105, .	1.5	25
320	Improvement of two-way continuous-variable quantum key distribution using optical amplifiers. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 035501.	0.6	28
321	Quantum security using property of a quantum wave function. , 2014, , .		3
322	Fundamental finite key limits for information reconciliation in quantum key distribution. , 2014, , .		7
324	On the stability of fiber-optic quantum cryptography at arbitrary losses in a communication channel: Exclusion of unambiguous measurements. JETP Letters, 2014, 100, 413-419.	0.4	1
325	Effect of electromagnetic disturbance on the practical QKD system in the smart grid. Chinese Physics B, 2014, 23, 124201.	0.7	5
326	Restricted attacks on semi-quantum key distribution protocols. Quantum Information Processing, 2014, 13, 2417-2436.	1.0	54
327	Security of biased BB84 quantum key distribution with finite resource. Chinese Physics B, 2014, 23, 100304.	0.7	7
328	An experimental comparison of BB84 and SARG04 quantum key distribution protocols. Laser Physics Letters, 2014, 11, 095201.	0.6	9
329	Theoretical analysis of an ideal noiseless linear amplifier for Einstein–Podolsky–Rosen entanglement distillation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 215503.	0.6	13
330	Photon-monitoring attack on continuous-variable quantum key distribution with source in middle. Quantum Information Processing, 2014, 13, 2745-2757.	1.0	4
331	Noise reduction methods of single photon detector based on InGaAs/InP avalanche photodiodes. Journal of Physics: Conference Series, 2014, 541, 012050.	0.3	3
332	Gaussian-only regenerative stations cannot act as quantum repeaters. Physical Review A, 2014, 90, .	1.0	27
333	Atmospheric continuous-variable quantum communication. New Journal of Physics, 2014, 16, 113018.	1.2	83
334	Trojan-horse attacks threaten the security of practical quantum cryptography. New Journal of Physics, 2014, 16, 123030.	1.2	124
335	Using evolutionary techniques to analyze the security of quantum key distribution protocols. , 2014, , .		2
336	Triggered single-photon emitters based on stimulated parametric scattering in weakly nonlinear systems. Physical Review A, 2014, 90, .	1.0	44

#	Article	IF	Citations
337	Device-dependent and device-independent quantum key distribution without a shared reference frame. New Journal of Physics, 2014, 16, 043002.	1.2	10
338	Security analysis of the decoy method with the Bennett–Brassard 1984 protocol for finite key lengths. New Journal of Physics, 2014, 16, 063009.	1.2	47
339	Improvement of no-switching continuous-variable quantum key distribution system by using a practical noiseless linear amplifier. , 2014, , .		0
340	How scatter of the experimental parameters affects the statistical characteristics of a quantum random-number generator. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2014, 81, 427.	0.2	0
341	Squeezed-State Measurement-Device-Independent Quantum Key Distribution., 2014,,.		O
342	Worldwide standardization activity for quantum key distribution. , 2014, , .		9
343	Field and long-term demonstration of a wide area quantum key distribution network. Optics Express, 2014, 22, 21739.	1.7	211
344	Quantum metropolitan optical network based on wavelength division multiplexing. Optics Express, 2014, 22, 1576.	1.7	66
345	Optimised quantum hacking of superconducting nanowire single-photon detectors. Optics Express, 2014, 22, 6734.	1.7	39
346	Modeling a measurement-device-independent quantum key distribution system. Optics Express, 2014, 22, 12716.	1.7	27
347	Field trial of a quantum secured 10 Gb/s DWDM transmission system over a single installed fiber. Optics Express, 2014, 22, 23121.	1.7	72
348	Efficient heralding of O-band passively spatial-multiplexed photons for noise-tolerant quantum key distribution. Optics Express, 2014, 22, 23261.	1.7	3
349	First quantum secured 10-Gb/s DWDM transmission over the same installed fibre. , 2014, , .		3
350	Single photoelectron detection after selective excitation of electron heavy-hole and electron light-hole pairs in double quantum dots. Physical Review B, 2014, 90, .	1.1	10
351	Ultrafast electrical control of a resonantly driven single photon source. Applied Physics Letters, 2014, 105, 051112.	1.5	7
352	Evaluation of the phase randomness of a light source in quantum-key-distribution systems with an attenuated laser. Physical Review A, 2014, 90, .	1.0	35
353	Multichannel parallel continuous-variable quantum key distribution with Gaussian modulation. Physical Review A, 2014, 89, .	1.0	40
354	Transfer of different types of optical qubits over a lossy environment. Physical Review A, 2014, 89, .	1.0	3

#	Article	IF	CITATIONS
355	Role of local and global geometry in entanglement percolation. Physical Review A, 2014, 89, .	1.0	0
356	Finite-range multiplexing enhances quantum key distribution via quantum repeaters. Physical Review A, 2014, 89, .	1.0	4
357	Gaussian-modulated coherent-state measurement-device-independent quantum key distribution. Physical Review A, 2014, 89, .	1.0	83
358	Heralded noiseless amplification and attenuation of non-Gaussian states of light. Physical Review A, 2014, 89, .	1.0	34
359	Secret key rates for an encoded quantum repeater. Physical Review A, 2014, 89, .	1.0	17
360	Squashing model for detectors and applications to quantum-key-distribution protocols. Physical Review A, 2014, 89, .	1.0	34
361	Optimization of periodic single-photon sources. Physical Review A, 2014, 90, .	1.0	18
362	Tightened estimation can improve the key rate of measurement-device-independent quantum key distribution by more than 100%. Physical Review A, 2014, 89, .	1.0	41
363	Free-running $InGaAs$ single photon detector with 1 dark count per second at 10% efficiency. Applied Physics Letters, 2014, 104, 081108.	1.5	75
364	Entanglement-based quantum communication secured by nonlocal dispersion cancellation. Physical Review A, 2014, 90, .	1.0	53
365	Tunable single-photon emission from dipolaritons. Physical Review A, 2014, 90, .	1.0	65
366	Quantum-Locked Key Distribution at Nearly the Classical Capacity Rate. Physical Review Letters, 2014, 113, 160502.	2.9	21
367	Symmetric extension of two-qubit states. Physical Review A, 2014, 90, .	1.0	29
368	Tunable photon statistics in weakly nonlinear photonic molecules. Physical Review A, 2014, 90, .	1.0	76
369	Optimal single-shot strategies for discrimination of quantum measurements. Physical Review A, 2014, 90, .	1.0	19
370	Realization of Quantum Digital Signatures without the Requirement of Quantum Memory. Physical Review Letters, 2014, 113, 040502.	2.9	110
371	High-bit-rate continuous-variable quantum key distribution. Physical Review A, 2014, 90, .	1.0	50
372	Quantum key distribution based on quantum dimension and independent devices. Physical Review A, 2014, 89, .	1.0	22

#	Article	IF	CITATIONS
373	Non-contextual chocolate balls versus value indefinite quantum cryptography. Theoretical Computer Science, 2014, 560, 82-90.	0.5	8
375	The black paper of quantum cryptography: Real implementation problems. Theoretical Computer Science, 2014, 560, 27-32.	0.5	53
376	Quantum Enigma Machines and the Locking Capacity of a Quantum Channel. Physical Review X, 2014, 4, .	2.8	20
377	Detecting faked continuous-variable entanglement using one-sided device-independent entanglement witnesses. Physical Review A, 2014, 89, .	1.0	49
378	Quantum channels and memory effects. Reviews of Modern Physics, 2014, 86, 1203-1259.	16.4	232
379	Long-distance continuous-variable quantum key distribution with efficient channel estimation. Physical Review A, 2014, 90, .	1.0	74
380	Quantum key distribution for $10~\mathrm{Gb/s}$ dense wavelength division multiplexing networks. Applied Physics Letters, $2014,104,104$	1.5	154
381	Metrology for industrial quantum communications: the MIQC project. Metrologia, 2014, 51, S267-S275.	0.6	12
382	Entanglement-based continuous-variable quantum key distribution with multimode states and detectors. Physical Review A, 2014, 90, .	1.0	23
383	Optical quantum router with cross-phase modulation. Science China Information Sciences, 2014, 57, 1-11.	2.7	2
384	Criteria for genuine <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>N</mml:mi></mml:math> -partite continuous-variable entanglement and Einstein-Podolsky-Rosen steering. Physical Review A, 2014, 90, .	1.0	67
385	Quantum key distribution over 300. Proceedings of SPIE, 2014, , .	0.8	2
386	Encoding mutually unbiased bases in orbital angular momentum for quantum key distribution. Proceedings of SPIE, 2014, , .	0.8	0
387	Adaptive spatial filtering for daytime satellite quantum key distribution. Proceedings of SPIE, 2014, , .	0.8	7
388	Low temperature performance of free-running InGaAs/InP single-photon negative feedback avalanche diodes. Proceedings of SPIE, 2014, , .	0.8	1
389	Cavity-enabled high-dimensional quantum key distribution. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 155501.	0.6	3
390	Relativistic quantum cryptography. Laser Physics Letters, 2014, 11, 065203.	0.6	18
391	Duality of quantum communication channels and a collective intercept-resend attack on quantum key distribution with differential phase shift. JETP Letters, 2014, 100, 279-284.	0.4	2

#	Article	IF	CITATIONS
392	Metrology of single-photon sources and detectors: a review. Optical Engineering, 2014, 53, 081910.	0.5	114
393	Improvement of Continuous-variable Quantum Key Distribution System by Using a Practical Noiseless Linear Amplifier. , 2014, , .		0
394	An FPGA-Based Communication Scheme of Classical Channel in High-Speed QKD System. , 2014, , .		3
395	A Survey of Quantum Key Distribution (QKD) Technologies. , 2014, , 141-152.		6
396	A simple coherent attack and practical security of differential phase shift quantum cryptography. Laser Physics, 2014, 24, 025202.	0.6	7
397	A Security Proof of Measurement Device Independent Quantum Key Distribution: From the View of Information Theory. Chinese Physics Letters, 2014, 31, 070302.	1.3	2
398	Quantum-secure authentication of a physical unclonable key. Optica, 2014, 1, 421.	4.8	148
399	Security of two-way continuous-variable quantum key distribution with source noise. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 215504.	0.6	3
400	Misinterpretation of statistical distance in security of quantum key distribution shown by simulation. Proceedings of SPIE, 2014, , .	0.8	0
401	Quantum key distribution with integrated optics. , 2014, , .		2
402	Self-healing of quantum entanglement after an obstruction. Nature Communications, 2014, 5, 3248.	5.8	127
403	Reference-Frame-Independent Quantum-Key-Distribution Server with a Telecom Tether for an On-Chip Client. Physical Review Letters, 2014, 112, 130501.	2.9	71
404	Key-leakage evaluation of authentication in quantum key distribution with finite resources. Quantum Information Processing, 2014, 13, 935-955.	1.0	4
405	On a beam splitter attack and soft filtering of coherent states in differential phase shift quantum cryptography. Journal of Experimental and Theoretical Physics, 2014, 118, 1-10.	0.2	3
406	The ultimate physical limits of privacy. Nature, 2014, 507, 443-447.	13.7	91
407	Performance of Long-Distance Quantum Key Distribution Over 90-km Optical Links Installed in a Field Environment of Tokyo Metropolitan Area. Journal of Lightwave Technology, 2014, 32, 141-151.	2.7	87
408	Experimental plug and play quantum coin flipping. Nature Communications, 2014, 5, 3717.	5.8	38
409	Finite-key analysis for measurement-device-independent quantum key distribution. Nature Communications, 2014, 5, 3732.	5.8	303

#	ARTICLE	IF	CITATIONS
410	Long term confidentiality: a survey. Designs, Codes, and Cryptography, 2014, 71, 459-478.	1.0	22
411	Quantum key distribution in an optical fiber at distances of up to 200 km and a bit rate of 180 bit/s. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 171-175.	0.1	12
412	Tight finite-key analysis for passive decoy-state quantum key distribution under general attacks. Physical Review A, 2014, 89, .	1.0	16
413	Two-way quantum cryptography at different wavelengths. Physical Review A, 2014, 89, .	1.0	55
414	Optimal unambiguous discrimination of pure qudits. Quantum Information Processing, 2014, 13, 503-511.	1.0	7
415	Entanglement-Preserving Photonic Switching: Full Cross-Bar Operation With Quantum Data Streams. IEEE Photonics Technology Letters, 2014, 26, 356-359.	1.3	13
416	Improving the maximum transmission distance of continuous variable quantum key distribution by using a noiseless linear amplifier. , 2014, , .		0
417	Continuous-variable measurement-device-independent quantum key distribution using squeezed states. Physical Review A, 2014, 90, .	1.0	95
418	Fundamental rate-loss tradeoff for optical quantum key distribution. Nature Communications, 2014, 5, 5235.	5 <b>.</b> 8	309
419	Quantum communication with coherent states and linear optics. Physical Review A, 2014, 90, .	1.0	40
420	Experimental Unconditionally Secure Bit Commitment. Physical Review Letters, 2014, 112, 010504.	2.9	47
421	Measurement-device-independent quantum key distribution with quantum memories. Physical Review A, 2014, 89, .	1.0	67
422	Laser Damage Helps the Eavesdropper in Quantum Cryptography. Physical Review Letters, 2014, 112, 070503.	2.9	100
423	Linear optics schemes for entanglement distribution with realistic single-photon sources. Physical Review A, 2014, 90, .	1.0	6
424	Experimental Demonstration of the Einstein-Podolsky-Rosen Steering Game Based on the All-Versus-Nothing Proof. Physical Review Letters, 2014, 113, 140402.	2.9	88
425	Improving the maximum transmission distance of continuous-variable quantum key distribution with noisy coherent states using a noiseless amplifier. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2808-2812.	0.9	15
426	Distribution of Squeezed States through an Atmospheric Channel. Physical Review Letters, 2014, 113, 060502.	2.9	77
427	Concise security bounds for practical decoy-state quantum key distribution. Physical Review A, 2014, 89, .	1.0	248

#	Article	IF	Citations
428	Geometrical analysis of physically allowed quantum cloning transformations for quantum cryptography. Information Sciences, 2014, 285, 1-23.	4.0	19
429	Analysis of counterfactual quantum key distribution using error-correcting theory. Quantum Information Processing, 2014, 13, 2325-2342.	1.0	12
430	Frequency shift attack on â€~plug-and-play' quantum key distribution systems. Journal of Modern Optics, 2014, 61, 147-153.	0.6	6
431	Device-independent quantum cryptography for continuous variables. Physical Review A, 2014, 90, .	1.0	16
432	Introduction to special issue on secure quantum communication. Quantum Information Processing, 2014, 13, 2153-2154.	1.0	1
433	Finite-key-size security of the Phoenix-Barnett-Chefles 2000 quantum-key-distribution protocol. Physical Review A, 2014, 90, .	1.0	10
434	Passive decoy-state quantum key distribution using weak coherent pulses with intensity fluctuations. Physical Review A, 2014, 89, .	1.0	12
435	Loss tolerant device-independent quantum key distribution: a proof of principle. New Journal of Physics, 2014, 16, 063064.	1.2	4
436	Key Recycling in Authentication. IEEE Transactions on Information Theory, 2014, 60, 4383-4396.	1.5	37
437	Some physics and system issues in the security analysis of quantum key distribution protocols. Quantum Information Processing, 2014, 13, 2241-2254.	1.0	5
438	Security analysis on some experimental quantum key distribution systems with imperfect optical and electrical devices. Frontiers of Physics, 2014, 9, 613-628.	2.4	11
439	Ultrafast and Fault-Tolerant Quantum Communication across Long Distances. Physical Review Letters, 2014, 112, 250501.	2.9	204
440	Experimental three-photon quantum nonlocality under strict locality conditions. Nature Photonics, 2014, 8, 292-296.	15.6	104
441	Generation of N-partite single and two photon W states with enhanced tolerance using waveguide arrays. Journal of Optics (United Kingdom), 2014, 16, 105503.	1.0	2
442	Continuous-Variable Measurement-Device-Independent Quantum Key Distribution with Imperfect Detectors. , 2014, , .		0
443	Continuous-variable measurement-device-independent quantum key distribution. Physical Review A, 2014, 89, .	1.0	164
444	Spacetime effects on satellite-based quantum communications. Physical Review D, 2014, 90, .	1.6	85
445	Quantum hacking on quantum key distribution using homodyne detection. Physical Review A, 2014, 89, .	1.0	80

#	ARTICLE	IF	CITATIONS
446	Noise and measurement errors in a practical two-state quantum bit commitment protocol. Physical Review A, 2014, $89$ , .	1.0	17
447	State-discrimination attack on discretely modulated continuous-variable quantum key distribution. Physical Review A, 2014, 89, .	1.0	34
448	Polarization entangled photon-pair source based on quantum nonlinear photonics and interferometry. Optics Communications, 2014, 327, 7-16.	1.0	24
449	Implementation of multiplexing in a subcarrier-wave quantum cryptography system. Journal of Physics: Conference Series, 2014, 541, 012078.	0.3	1
450	Experimental demonstration of the coexistence of continuous-variable quantum key distribution with an intense DWDM classical channel. , $2014, \dots$		1
451	Investigation of device imperfection influence on measurement results in beamsplitter-based quantum random number generation schemes. Journal of Physics: Conference Series, 2014, 541, 012059.	0.3	1
452	Determining influence of four-wave mixing effect on quantum key distribution. Journal of Physics: Conference Series, 2014, 541, 012066.	0.3	4
453	Detection of beamsplitting attack in a quantum cryptographic channel based on photon number statistics monitoring. Journal of Physics: Conference Series, 2014, 541, 012062.	0.3	3
454	A Tutorial on Quantum Key Distribution. , 2015, , .		0
455	What is a quantum cryptography protocol that ensures the maximum distance in the case of a strictly single-photon source?. JETP Letters, 2015, 102, 473-477.	0.4	5
456	Analog of differential–phase quantum cryptography on coherent states with provable cryptographic security. JETP Letters, 2015, 102, 396-403.	0.4	0
457	Randomness determines practical security of BB84 quantum key distribution. Scientific Reports, 2015, 5, 16200.	1.6	29
458	Tunable photon blockade in coupled semiconductor cavities. Physical Review A, 2015, 91, .	1.0	88
459	Quantum key distribution with untrusted detectors. Physical Review A, 2015, 92, .	1.0	16
460	Rate-loss analysis of an efficient quantum repeater architecture. Physical Review A, 2015, 92, .	1.0	91
461	Experimental quantum key distribution with source flaws. Physical Review A, 2015, 92, .	1.0	69
462	Stronger steerability criterion for more uncertain continuous-variable systems. Physical Review A, 2015, 92, .	1.0	22
463	Practical position-based quantum cryptography. Physical Review A, 2015, 92, .	1.0	18

#	Article	IF	CITATIONS
464	Practical security analysis of two-way quantum-key-distribution protocols based on nonorthogonal states. Physical Review A, 2015, 92, .	1.0	14
465	Device-independent quantum key distribution with generalized two-mode Schr $ ilde{A}\P$ dinger cat states. Physical Review A, 2015, 92, .	1.0	5
466	Continuous-variable quantum enigma machines for long-distance key distribution. Physical Review A, 2015, 92, .	1.0	5
467	Recovering full coherence in a qubit by measuring half of its environment. Physical Review A, 2015, 92,	1.0	3
468	Unidimensional continuous-variable quantum key distribution. Physical Review A, 2015, 92, .	1.0	79
469	Extended linear regime of cavity-QED enhanced optical circular birefringence induced by a charged quantum dot. Physical Review B, 2015, 91, .	1.1	28
470	Arbitrarily Long Relativistic Bit Commitment. Physical Review Letters, 2015, 115, 250501.	2.9	19
471	Realization of a Quantum Integer-Spin Chain with Controllable Interactions. Physical Review X, 2015, 5,	2.8	93
472	Self-Referenced Continuous-Variable Quantum Key Distribution Protocol. Physical Review X, 2015, 5, .	2.8	126
473	Long-distance entanglement distribution using individual atoms in optical cavities. Physical Review A, 2015, 92, .	1.0	28
474	Measurement-device-independent quantum communication with an untrusted source. Physical Review A, 2015, 92, .	1.0	34
475	Device-independent quantum key distribution based on measurement inputs. Physical Review A, 2015, 92,	1.0	5
476	Two-way Gaussian quantum cryptography against coherent attacks in direct reconciliation. Physical Review A, 2015, 92, .	1.0	36
477	Generating the Local Oscillator "Locally―in Continuous-Variable Quantum Key Distribution Based on Coherent Detection. Physical Review X, 2015, 5, .	2.8	147
478	Free-space quantum key distribution to a moving receiver. Optics Express, 2015, 23, 33437.	1.7	67
479	Performing private database queries in a real-world environment using a quantum protocol. Scientific Reports, 2014, 4, 5233.	1.6	51
480	Comparing front-end alternatives for SiPM's in single-photon time resolution applications. , 2015, , .		0
481	Multi-user distribution of polarization entangled photon pairs. Journal of Applied Physics, 2015, 118, .	1.1	9

#	Article	IF	Citations
482	Quantum key distribution over 120 km using ultrahigh purity single-photon source and superconducting single-photon detectors. Scientific Reports, 2015, 5, 14383.	1.6	152
483	Quantum communications in the maritime environment. , 2015, , .		9
484	Beyond Gisin's Theorem and its Applications: Violation of Local Realism by Two-Party Einstein-Podolsky-Rosen Steering. Scientific Reports, 2015, 5, 11624.	1.6	11
485	Finite-key security analysis of quantum key distribution with imperfect light sources. New Journal of Physics, 2015, 17, 093011.	1.2	46
486	Optimal randomness certification in the quantum steering and prepare-and-measure scenarios. New Journal of Physics, 2015, 17, 113010.	1.2	78
487	Passive Decoy-State Quantum Key Distribution with Coherent Light. Entropy, 2015, 17, 4064-4082.	1.1	5
488	Noiseless Linear Amplifiers in Entanglement-Based Continuous-Variable Quantum Key Distribution. Entropy, 2015, 17, 4547-4562.	1.1	24
489	Continuous Variable Quantum Key Distribution with a Noisy Laser. Entropy, 2015, 17, 4654-4663.	1.1	17
490	Unconditionally Secure Quantum Signatures. Entropy, 2015, 17, 5635-5659.	1.1	42
491	Distributing Secret Keys with Quantum Continuous Variables: Principle, Security and Implementations. Entropy, 2015, 17, 6072-6092.	1.1	234
492	Entropic Lower Bound for Distinguishability of Quantum States. Advances in Mathematical Physics, 2015, 2015, 1-5.	0.4	0
493	Implementation of Positive Operator-Valued Measure in Passive Faraday Mirror Attack. Communications in Theoretical Physics, 2015, 63, 296-302.	1.1	0
494	High-rate measurement-device-independent quantum cryptography. Nature Photonics, 2015, 9, 397-402.	15.6	334
495	Efficient Bidirectional Quantum Secure Direct Communication with Single Photons in Both Polarization and Spatial-Mode Degrees of Freedom. International Journal of Theoretical Physics, 2015, 54, 3443-3453.	0.5	21
496	A generalized entanglement-based scheme for Gaussian-modulated coherent state continuous-variable quantum key distribution. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 135504.	0.6	2
497	Continuous-variable quantum key distribution under the local oscillator intensity attack with noiseless linear amplifier. Quantum Information Processing, 2015, 14, 3041-3056.	1.0	5
498	W state generation by adding independent single photons. Quantum Information Processing, 2015, 14, 2847-2860.	1.0	19
499	Discrete Event Simulation of the quantum channel within a Quantum Key Distribution system. Journal of Defense Modeling and Simulation, 2015, 12, 481-488.	1.2	3

#	Article	IF	Citations
500	Coexistence of continuous variable QKD with intense DWDM classical channels. New Journal of Physics, 2015, 17, 043027.	1.2	144
501	Security proof of a semi-quantum key distribution protocol. , 2015, , .		43
502	Metrology for Quantum Communication. , 2015, , .		1
503	All-photonic intercity quantum key distribution. Nature Communications, 2015, 6, 10171.	5.8	55
504	Passive decoy-state quantum key distribution using weak coherent pulses with modulator attenuation. Chinese Physics B, 2015, 24, 110307.	0.7	1
505	Spatial Mode Side Channels in Free-Space QKD Implementations. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 187-191.	1.9	22
506	Quantum optics with one or two photons. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150208.	1.0	12
507	Feasibility of Wireless Quantum Key Distribution in Indoor Environments., 2015,,.		4
508	Stability assessment of QKD procedures in commercial quantum cryptography systems versus quality of dark channel. International Journal of Quantum Information, 2015, 13, 1550064.	0.6	0
509	Quantum hacking of continuous-variable quantum key distribution systems: realtime Trojan-horse attacks. , 2015, , .		2
510	Quantum key distribution using qudits that each encode one bit of raw key. Physical Review A, 2015, 92,	1.0	28
511	Modeling daytime sky access for a satellite quantum key distribution downlink. Optics Express, 2015, 23, 23924.	1.7	25
512	Implementation of continuous-variable quantum key distribution with composable and one-sided-device-independent security against coherent attacks. Nature Communications, 2015, 6, 8795.	5.8	175
513	Modeling decoy state Quantum Key Distribution systems. Journal of Defense Modeling and Simulation, 2015, 12, 489-506.	1.2	11
514	Quantum Secured Gigabit Passive Optical Networks. , 2015, , .		4
515	Manipulating Frequency-Bin Entangled States in Cold Atoms. Scientific Reports, 2015, 4, 3941.	1.6	9
516	Application of practical noiseless linear amplifier in no-switching continuous-variable quantum cryptography. Quantum Information Processing, 2015, 14, 4339-4349.	1.0	4
517	Practical Security Bounds Against the Trojan-Horse Attack in Quantum Key Distribution. Physical Review X, 2015, 5, .	2.8	75

#	ARTICLE	IF	CITATIONS
518	Exact optimal control of photon blockade with weakly nonlinear coupled cavities. Optics Express, 2015, 23, 32835.	1.7	43
519	Quantum hacking on a practical continuous-variable quantum cryptosystem by inserting an external light. , 2015, , .		2
520	Experimental quantum key distribution with simulated ground-to-satellite photon losses and processing limitations. Physical Review A, 2015, 92, .	1.0	42
521	Cavity-based quantum networks with single atoms and optical photons. Reviews of Modern Physics, 2015, 87, 1379-1418.	16.4	632
522	Long-distance fiber-optic quantum key distribution using superconducting detectors. Optoelectronics, Instrumentation and Data Processing, 2015, 51, 548-552.	0.2	3
523	Quantum key distribution over combined atmospheric fading channels. , 2015, , .		10
524	Multipartite Einstein–Podolsky–Rosen steering and genuine tripartite entanglement with opticalÂnetworks. Nature Physics, 2015, 11, 167-172.	6.5	249
525	Risk Analysis of Trojan-Horse Attacks on Practical Quantum Key Distribution Systems. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 168-177.	1.9	86
526	Composable Security Proof for Continuous-Variable Quantum Key Distribution with Coherent States. Physical Review Letters, 2015, 114, 070501.	2.9	263
527	Efficient error estimation in quantum key distribution. Chinese Physics B, 2015, 24, 010302.	0.7	7
528	Biased decoy-state measurement-device-independent quantum key distribution with finite resources. Physical Review A, 2015, 91, .	1.0	25
529	Finite-key analysis of high-dimensional time–energy entanglement-based quantum key distribution. Quantum Information Processing, 2015, 14, 1005-1015.	1.0	13
530	Random Variation of Detector Efficiency: A Countermeasure Against Detector Blinding Attacks for Quantum Key Distribution. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 192-196.	1.9	36
531	Ultra-fast heralded single photon source based on telecom technology. Laser and Photonics Reviews, 2015, 9, L1-L5.	4.4	63
532	Rare Earth-Doped Crystals for Quantum Information Processing. Fundamental Theories of Physics, 2015, 46, 1-78.	0.1	35
533	Channel analysis for single photon underwater free space quantum key distribution. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 349.	0.8	32
534	Provably secure and practical quantum key distribution over 307 km of optical fibre. Nature Photonics, 2015, 9, 163-168.	15.6	378
535	Security of Continuous-Variable Quantum Key Distribution with Imperfect Phase Compensation. International Journal of Theoretical Physics, 2015, 54, 2613-2622.	0.5	26

#	ARTICLE	IF	CITATIONS
536	A Modeling Framework for Studying Quantum Key Distribution System Implementation Nonidealities. IEEE Access, 2015, 3, 110-130.	2.6	30
537	Implementing a quantum cloning machine in separate cavities via the optical coherent pulse as a quantum communication bus. Physical Review A, $2015, 91, \ldots$	1.0	3
538	Statistical fluctuation analysis for measurement-device-independent quantum key distribution with three-intensity decoy-state method. Physical Review A, 2015, 91, .	1.0	91
539	High-dimensional quantum cryptography with twisted light. New Journal of Physics, 2015, 17, 033033.	1.2	475
540	A Compact Readout Electronics for the Ground Station of a Quantum Communication Satellite. IEEE Transactions on Nuclear Science, 2015, 62, 883-888.	1.2	6
541	Quantum Key Distribution with Several Cloning Attacks via a Depolarizing Channel. Journal of Russian Laser Research, 2015, 36, 228-236.	0.3	0
542	Experimental Satellite Quantum Communications. Physical Review Letters, 2015, 115, 040502.	2.9	216
543	Robust amplification of Santha-Vazirani sources with three devices. Physical Review A, 2015, 91, .	1.0	10
544	Interconversion of pure Gaussian states requiring non-Gaussian operations. Physical Review A, 2015, 91, .	1.0	6
545	Security of quantum key distribution using a simplified trusted relay. Physical Review A, 2015, 91, .	1.0	19
546	Trustworthiness of detectors in quantum key distribution with untrusted detectors. Physical Review A, 2015, 91, .	1.0	15
547	Robust shot-noise measurement for continuous-variable quantum key distribution. Physical Review A, 2015, 91, .	1.0	40
548	Experimental multiplexing of quantum key distribution with classical optical communication. Applied Physics Letters, 2015, 106, .	1.5	52
549	Discrete-phase-randomized coherent state source and its application in quantum key distribution. New Journal of Physics, 2015, 17, 053014.	1.2	67
550	Low noise InGaAs/InP single-photon negative feedback avalanche diodes: characterization and applications. Proceedings of SPIE, 2015, , .	0.8	4
551	Faked state attack on realistic round robin DPS quantum key distribution systems and countermeasure., 2015,,.		1
552	An On-Demand Optical Quantum Random Number Generator with In-Future Action and Ultra-Fast Response. Scientific Reports, 2015, 5, 10214.	1.6	22
553	Field Test of Measurement-Device-Independent Quantum Key Distribution. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 116-122.	1.9	30

#	ARTICLE	IF	CITATIONS
554	Universal Superreplication of Unitary Gates. Physical Review Letters, 2015, 114, 120504.	2.9	19
555	Practical high-dimensional quantum key distribution with decoy states. Physical Review A, 2015, 91, .	1.0	31
556	Loss-tolerant position-based quantum cryptography. Physical Review A, 2015, 91, .	1.0	13
557	A robust quantum receiver for phase shift keyed signals. New Journal of Physics, 2015, 17, 032003.	1.2	34
558	Quantum data locking for high-rate private communication. New Journal of Physics, 2015, 17, 033022.	1.2	13
559	Security of quantum key distribution with a laser reference coherent state, resistant to loss in the communication channel. Laser Physics Letters, 2015, 12, 065201.	0.6	4
560	Performance Evaluations of Quantum Key Distribution System Architectures. IEEE Security and Privacy, 2015, 13, 30-40.	1.5	24
561	Bit-string oblivious transfer based on quantum state computational distinguishability. Physical Review A, 2015, 91, .	1.0	10
562	Quantum key distribution over fiber optic lines using superconducting single-photon detectors. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 173-175.	0.1	0
563	Security Bounds for Efficient Decoy-State Quantum Key Distribution. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 197-204.	1.9	20
564	Practical secure quantum communications. Proceedings of SPIE, 2015, , .	0.8	0
565	Limitations on quantum key repeaters. Nature Communications, 2015, 6, 6908.	5.8	38
566	Quantum Interference Induced Photon Blockade in a Coupled Single Quantum Dot-Cavity System. Scientific Reports, 2015, 5, 9252.	1.6	94
567	Secrecy Capacities in Space-Division Multiplexed Fiber Optic Communication Systems. IEEE Transactions on Information Forensics and Security, 2015, 10, 1325-1335.	4.5	23
568	Mediated semiquantum key distribution. Physical Review A, 2015, 91, .	1.0	113
569	Low noise InGaAs/InP single-photon detector for singlet oxygen detection. Proceedings of SPIE, 2015, , .	0.8	1
570	Measurement-device-independent quantum key distribution: from idea towards application. Journal of Modern Optics, 2015, 62, 1141-1150.	0.6	45
571	Performance analysis of quantum key distribution based on air-water channel. Optoelectronics Letters, 2015, 11, 149-152.	0.4	6

#	Article	IF	CITATIONS
572	On the performance of quantum cryptographic protocols SARG04 and KMB09., 2015,,.		6
573	Analysis of Faraday Mirror in Auto-Compensating Quantum Key Distribution. Chinese Physics Letters, 2015, 32, 080303.	1.3	1
574	Information and Communication Technology. Lecture Notes in Computer Science, 2015, , .	1.0	1
575	Countermeasure against probabilistic blinding attack in practical quantum key distribution systems. Chinese Physics B, 2015, 24, 090305.	0.7	6
576	Asymmetric quantum network based on multipartite Einstein–Podolsky–Rosen steering. Journal of the Optical Society of America B: Optical Physics, 2015, 32, A20.	0.9	4
577	Orthogonal Frequency-Division Multiplexed Quantum Key Distribution. Journal of Lightwave Technology, 2015, 33, 4687-4698.	2.7	23
578	Broadband enhancement of single photon emission and polarization dependent coupling in silicon nitride waveguides. Optics Express, 2015, 23, 13713.	1.7	9
579	Quantum cryptography with an ideal local relay. , 2015, , .		4
580	Experimental demonstration of a quantum key distribution without signal disturbance monitoring. Nature Photonics, 2015, 9, 832-836.	15.6	137
581	Entanglement assisted time-energy QKD employing Franson interferometers and cavity quantum electrodynamics (CQED) principles. Proceedings of SPIE, 2015, , .	0.8	2
582	Self-Assembled Resonance Energy Transfer Keys for Secure Communication over Classical Channels. ACS Nano, 2015, 9, 11840-11848.	7.3	27
583	Gigahertz-gated InGaAs/InP single-photon detector with detection efficiency exceeding 55% at 1550 nm. Journal of Applied Physics, 2015, 117, .	1.1	83
584	Bridging the gap between theory and practice in quantum cryptography. , 2015, , .		0
585	Quantum key distribution: examination of the decoy state protocol., 2015, 53, 24-31.		8
586	Advances in InGaAs/InP single-photon detector systems for quantum communication. Light: Science and Applications, 2015, 4, e286-e286.	7.7	284
587	Experimental quantum key distribution without monitoring signal disturbance. Nature Photonics, 2015, 9, 827-831.	15.6	85
588	Quantum key distribution without sending a quantum signal. New Journal of Physics, 2015, 17, 063008.	1.2	12
589	Quantum Uniqueness. Foundations of Physics, 2015, 45, 1613-1619.	0.6	6

#	Article	IF	CITATIONS
590	Round-robin with photons. Nature Photonics, 2015, 9, 781-782.	15.6	3
591	Measurement-Device-Independent Quantum Cryptography. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 148-158.	1.9	45
592	Chaotic Cryptography Using Augmented Lorenz Equations Aided by Quantum Key Distribution. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 478-487.	3.5	48
593	Differential Phase-Shift Quantum Key Distribution Systems. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 109-115.	1.9	20
594	Simulating of the measurement-device independent quantum key distribution with phase randomized general sources. Scientific Reports, 2014, 4, 4612.	1.6	62
595	Safeguarding Quantum Key Distribution Through Detection Randomization. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 159-167.	1.9	11
596	A fiber-based quasi-continuous-wave quantum key distribution system. Scientific Reports, 2015, 4, 4563.	1.6	5
597	Serialized quantum error correction protocol for high-bandwidth quantum repeaters. New Journal of Physics, 2016, 18, 093008.	1.2	20
598	Implementation of decoy states in a subcarrier wave quantum key distribution system. Journal of Physics: Conference Series, 2016, 741, 012090.	0.3	1
599	Unconstrained distillation capacities of a pure-loss bosonic broadcast channel., 2016,,.		9
600	Using of optical splitters in quantum random number generators, based on fluctuations of vacuum. Journal of Physics: Conference Series, 2016, 735, 012077.	0.3	3
601	Detector-decoy high-dimensional quantum key distribution. Optics Express, 2016, 24, 22159.	1.7	7
602	Mueller-matrix modeling and characterization of a dual-crystal electro-optic modulator. Optics Express, 2016, 24, 24213.	1.7	7
603	Realization of multiplexing of heralded single photon sources using photon number resolving detectors. Optics Express, 2016, 24, 27288.	1.7	19
604	Multiple spatial modes based QKD over marine free-space optical channels in the presence of atmospheric turbulence. Optics Express, 2016, 24, 27663.	1.7	17
605	Multidimensional mode-separable frequency conversion for high-speed quantum communication. Optica, 2016, 3, 1300.	4.8	60
606	Temporal jitter in free-running InGaAs/InP single-photon avalanche detectors. Optics Letters, 2016, 41, 5728.	1.7	15
607	Trusted Noise in Continuous-Variable Quantum Key Distribution: A Threat and a Defense. Entropy, 2016, 18, 20.	1.1	85

#	ARTICLE	IF	CITATIONS
608	Quantum and classical control of single photon states via a mechanical resonator. New Journal of Physics, 2016, 18, 063023.	1.2	2
609	Measurement-device-independent quantification of entanglement for given Hilbert space dimension. New Journal of Physics, 2016, 18, 045022.	1.2	24
610	Semi device independence of the BB84 protocol. New Journal of Physics, 2016, 18, 055010.	1.2	5
611	Entanglement distribution over 150 km in wavelength division multiplexed channels for quantum cryptography. Laser and Photonics Reviews, 2016, 10, 451-457.	4.4	63
612	Sifting attacks in finite-size quantum key distribution. New Journal of Physics, 2016, 18, 053001.	1.2	15
613	Continuous Control of Random Polarization Rotations for Quantum Communications. Journal of Lightwave Technology, 2016, , 1-1.	2.7	10
614	Non-Markovian Property of Afterpulsing Effect in Single-Photon Avalanche Detector. Journal of Lightwave Technology, 2016, 34, 3610-3615.	2.7	26
615	A Generic Simulation Framework for Non-Entangled based Experimental Quantum Cryptography and Communication: Quantum Cryptography and Communication Simulator (QuCCs). IOP Conference Series: Materials Science and Engineering, 2016, 160, 012095.	0.3	0
616	Experimental realization of an entanglement access network and secure multi-party computation. Scientific Reports, 2016, 6, 29453.	1.6	19
617	Multiple-output microwave single-photon source using superconducting circuits with longitudinal and transverse couplings. Physical Review A, 2016, 94, .	1.0	29
618	Optimal pumping strength for BBM92 key distribution protocol. International Journal of Quantum Information, 2016, 14, 1650049.	0.6	0
619	Post-processing procedure for industrial quantum key distribution systems. Journal of Physics: Conference Series, 2016, 741, 012081.	0.3	29
620	Single photon detector design features. Proceedings of SPIE, 2016, , .	0.8	0
621	Two-dimensional distributed-phase-reference protocol for quantum key distribution. Scientific Reports, 2016, 6, 36756.	1.6	30
622	Intercept-resend attack on six-state quantum key distribution over collective-rotation noise channels. Chinese Physics B, 2016, 25, 070303.	0.7	5
623	Improving Continuous-Variable Quantum Key Distribution with Shannon-Kotel'nikov Maps. , 2016, , .		0
624	Measurement-device-independent quantum key distribution with source state errors in photon number space. Physical Review A, 2016, 94, .	1.0	25
625	Valid conditions of the reference-frame-independent quantum key distribution. Physical Review A, 2016, 94, .	1.0	12

#	Article	IF	CITATIONS
626	A genetic algorithm to analyze the security of quantum cryptographic protocols., 2016,,.		8
627	Recent advances on integrated quantum communications. Journal of Optics (United Kingdom), 2016, 18, 083002.	1.0	103
628	Photonic Sources and Detectors for Information Processing. , 2016, , 147-208.		0
629	A Secure Communication Network Infrastructure Based on Quantum Key Distribution Technology. IEICE Transactions on Communications, 2016, E99.B, 1054-1069.	0.4	5
630	Covert Quantum Communication. Physical Review Letters, 2016, 117, 250503.	2.9	27
631	Optimal analysis of ultra broadband energy-time entanglement for high bit-rate dense wavelength division multiplexed quantum networks. Applied Physics Letters, 2016, 108, 231108.	1.5	8
632	Finite-key security analysis for multilevel quantum key distribution. New Journal of Physics, 2016, 18, 073030.	1.2	29
633	On the correction of errors in quantum cryptography systems. JETP Letters, 2016, 104, 341-346.	0.4	2
634	An entangled-LED-driven quantum relay over 1 km. Npj Quantum Information, 2016, 2, .	2.8	33
635	Secure information transport by transverse localization of light. Scientific Reports, 2016, 6, 29918.	1.6	23
636	Experimental verification of multipartite entanglement in quantum networks. Nature Communications, 2016, 7, 13251.	5.8	78
637	On the reduction of free photons speed in modeling of their propagation in space by the wave function in coordinate representation. , $2016,  ,  .$		3
638	Security of quantum key distribution with multiphoton components. Scientific Reports, 2016, 6, 29482.	1.6	21
639	Effect of crosstalk on QBER in QKD in urban telecommunication fiber lines. Proceedings of SPIE, 2016, ,	0.8	2
640	Detector-device-independent quantum key distribution: Security analysis and fast implementation. Journal of Applied Physics, 2016, 120, .	1.1	10
641	Authenticated multi-user quantum key distribution with single particles. International Journal of Quantum Information, 2016, 14, 1650002.	0.6	5
642	Quantum key distribution without detector vulnerabilities using optically seeded lasers. Nature Photonics, 2016, 10, 312-315.	15.6	195
643	The effect of turbulence on entanglement-based free-space quantum key distribution with photonic orbital angular momentum. Journal of Optics (United Kingdom), 2016, 18, 064002.	1.0	29

#	Article	IF	CITATIONS
644	Measurement-device-independent quantum key distribution with heralded pair coherent state. Laser Physics, 2016, 26, 065203.	0.6	2
645	LEO-to-ground polarization measurements aiming for space QKD using Small Optical TrAnsponder (SOTA). Optics Express, 2016, 24, 12254.	1.7	34
646	Quantum key distribution over multicore fiber. Optics Express, 2016, 24, 8081.	1.7	76
647	Upconversion-based receivers for quantum hacking-resistant quantum key distribution. Quantum Information Processing, 2016, 15, 2863-2879.	1.0	3
648	Secure polarization-independent subcarrier quantum key distribution in optical fiber channel using BB84 protocol with a strong reference. Optics Express, 2016, 24, 2619.	1.7	77
649	Bounds on Entanglement Distillation and Secret Key Agreement for Quantum Broadcast Channels. IEEE Transactions on Information Theory, 2016, 62, 2849-2866.	1.5	22
650	Frequency-coded quantum key distribution using amplitude-phase modulation. Proceedings of SPIE, 2016, , .	0.8	3
651	Team decision problems with classical and quantum signals. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150096.	1.6	11
652	A Novel NTT-based Authentication Scheme for 10 GHz Quantum Key Distribution Systems. IEEE Transactions on Industrial Electronics, 2016, , 1-1.	5.2	12
653	Creation and detection of optical modes with spatial light modulators. Advances in Optics and Photonics, 2016, 8, 200.	12.1	479
654	Improving Continuous-Variable Quantum Key Distribution Using the Heralded Noiseless Linear Amplifier with Source in the Middle. International Journal of Theoretical Physics, 2016, 55, 1156-1166.	0.5	0
655	Satellite quantum communication towards GEO distances. Proceedings of SPIE, 2016, , .	0.8	4
656	Measurement-based quantum communication. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	45
657	Overcoming lossy channel bounds using a single quantum repeater node. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	37
658	Scheme of the arrangement for attack on the protocol BB84. Optik, 2016, 127, 7083-7087.	1.4	5
659	Quantum hacking: Saturation attack on practical continuous-variable quantum key distribution. Physical Review A, 2016, 94, .	1.0	94
660	Systematic afterpulsing-estimation algorithms for gated avalanche photodiodes. Applied Optics, 2016, 55, 7252.	2.1	2
661	Quantum photonics at telecom wavelengths based on lithium niobate waveguides. Journal of Optics (United Kingdom), 2016, 18, 104001.	1.0	132

#	ARTICLE	IF	CITATIONS
662	Evading Vacuum Noise: Wigner Projections or Husimi Samples?. Physical Review Letters, 2016, 117, 070801.	2.9	15
663	Solid-state single-photon emitters. Nature Photonics, 2016, 10, 631-641.	15.6	1,174
664	Tight finite-key analysis of a practical decoy-state quantum key distribution with unstable sources. Physical Review A, 2016, 94, .	1.0	33
665	Testing Random-Detector-Efficiency Countermeasure in a Commercial System Reveals a Breakable Unrealistic Assumption. IEEE Journal of Quantum Electronics, 2016, 52, 1-11.	1.0	60
666	Gb/s One-Time-Pad Data Encryption With Synchronized Chaos-Based True Random Bit Generators. Journal of Lightwave Technology, 2016, 34, 5325-5331.	2.7	63
667	Authenticated B92 QKD protocol employing synchronized optical chaotic systems. Optical and Quantum Electronics, 2016, 48, 1.	1.5	7
668	Operational meaning of quantum measures of recovery. Physical Review A, 2016, 94, .	1.0	12
669	A study on information reconciliation problem in quantum key distribution. , 2016, , .		2
670	Quantum key distribution security constraints caused by controlled quality of dark channel for non-entangled and entangled photon quantum cryptography setups. Optical and Quantum Electronics, 2016, 48, 1.	1.5	1
671	Stochastic Resonances and Gated Detection in Photon Number Resolving Detectors. Springer Proceedings in Physics, 2016, , 157-172.	0.1	0
672	Periodically driven three-level systems. Physical Review B, 2016, 94, .	1.1	16
673	Completely device-independent quantum key distribution. Physical Review A, 2016, 94, .	1.0	11
674	Implementing phase-covariant cloning in circuit quantum electrodynamics. Annals of Physics, 2016, 373, 512-520.	1.0	3
675	Quantum-polarization state tomography. Physical Review A, 2016, 94, .	1.0	19
676	Decoy-state quantum key distribution with a leaky source. New Journal of Physics, 2016, 18, 065008.	1.2	69
677	Achieving high visibility in subcarrier wave quantum key distribution system. Journal of Physics: Conference Series, 2016, 735, 012085.	0.3	0
678	Experimental single-photon exchange along a space link of 7000 km. Physical Review A, 2016, 93, .	1.0	55
679	Non-Gaussian postselection and virtual photon subtraction in continuous-variable quantum key distribution. Physical Review A, 2016, 93, .	1.0	54

#	Article	IF	Citations
680	Quantum anonymous ranking based on the Chinese remainder theorem. Physical Review A, 2016, 93, .	1.0	25
681	Experimental comparison between one-decoy and two-decoy implementations of the Bennett-Brassard 1984 quantum cryptography protocol. Physical Review A, 2016, 93, .	1.0	2
682	Heralded single-photon sources for quantum-key-distribution applications. Physical Review A, 2016, 93,	1.0	19
683	No-go theorem for iterations of unknown quantum gates. Physical Review A, 2016, 93, .	1.0	4
684	Detector-decoy quantum key distribution without monitoring signal disturbance. Physical Review A, 2016, 93, .	1.0	18
685	Reexamination of decoy-state quantum key distribution with biased bases. Physical Review A, 2016, 93, .	1.0	23
686	Practical quantum digital signature. Physical Review A, 2016, 93, .	1.0	74
687	Making the decoy-state measurement-device-independent quantum key distribution practically useful. Physical Review A, 2016, 93, .	1.0	218
688	Progress towards practical device-independent quantum key distribution with spontaneous parametric down-conversion sources, on-off photodetectors, and entanglement swapping. Physical Review A, 2016, 93, .	1.0	14
689	Estimation of output-channel noise for continuous-variable quantum key distribution. Physical Review A, 2016, 93, .	1.0	14
690	Experimental replication of single-qubit quantum phase gates. Physical Review A, 2016, 93, .	1.0	2
691	Bidirectional imperfect quantum teleportation with a single Bell state. Physical Review A, 2016, 93, .	1.0	47
692	Versatility of continuous-variable asymmetric tripartite entanglement allows Alice and Clare to keep secrets from Bob. Physical Review A, 2016, 94, .	1.0	1
693	Observation of Quantum Fingerprinting Beating the Classical Limit. Physical Review Letters, 2016, 116, 240502.	2.9	48
694	Revealing beam-splitting attack in a quantum cryptography system with a photon-number-resolving detector. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1451.	0.9	6
695	Channel purification via continuous-variable quantum teleportation with Gaussian postselection. Physical Review A, 2016, 93, .	1.0	12
696	Practical security of continuous-variable quantum key distribution with finite sampling bandwidth effects. Physical Review A, 2016, 93, .	1.0	36
697	High teleportation rates using cold-atom-ensemble-based quantum repeaters with Rydberg blockade. Physical Review A, 2016, 93, .	1.0	9

#	Article	IF	CITATIONS
698	Measurement-device-independent entanglement-based quantum key distribution. Physical Review A, $2016, 93, .$	1.0	22
699	Interference at the Single Photon Level Along Satellite-Ground Channels. Physical Review Letters, 2016, 116, 253601.	2.9	67
700	Role of syndrome information on a one-way quantum repeater using teleportation-based error correction. Physical Review A, 2016, 94, .	1.0	19
701	Practical challenges in quantum key distribution. Npj Quantum Information, 2016, 2, .	2.8	489
702	Asymptotic analysis of a three state quantum cryptographic protocol., 2016,,.		7
703	Optimization of periodic single-photon sources based on combined multiplexing. Physical Review A, 2016, 94, .	1.0	9
704	Simultaneous classical communication and quantum key distribution using continuous variables. Physical Review A, 2016, 94, .	1.0	33
705	Bell nonlocality in the turbulent atmosphere. Physical Review A, 2016, 94, .	1.0	11
706	N-dimensional measurement-device-independent quantum key distribution with N + 1 un-characterized sources: zero quantum-bit-error-rate case. Scientific Reports, 2016, 6, 30036.	1.6	4
707	Continuous-variable quantum key distribution with random intensity fluctuation of the local oscillator. , $2016,  ,  .$		O
708	Numerical approach for unstructured quantum key distribution. Nature Communications, 2016, 7, 11712.	5.8	85
709	Efficient entanglement distillation without quantum memory. Nature Communications, 2016, 7, 11720.	5.8	9
710	Enhancing the secure key rate in a quantum-key-distribution system using discrete-variable, high-dimensional, time-frequency states. , 2016, , .		1
711	Measurement-Device-Independent Quantum Key Distribution Over a 404Âkm Optical Fiber. Physical Review Letters, 2016, 117, 190501.	2.9	615
712	General immunity and superadditivity of two-way Gaussian quantum cryptography. Scientific Reports, 2016, 6, 22225.	1.6	34
713	Experimental realization of equiangular three-state quantum key distribution. Scientific Reports, 2016, 6, 30089.	1.6	12
714	Model Checking Quantum Key Distribution Protocols. , 2016, , .		2
715	Quantum secured gigabit optical access networks. Scientific Reports, 2016, 5, 18121.	1.6	52

#	Article	IF	Citations
716	Optimal wavelength allocation in hybrid quantum-classical networks. , 2016, , .		8
717	CV-QKD with Gaussian and Non-Gaussian Entangled States over Satellite-Based Channels. , 2016, , .		12
718	Multi-user quantum key distribution with entangled photons from an AlGaAs chip. Quantum Science and Technology, 2016, 1, 01LT02.	2.6	29
719	Silicon Quantum Photonics. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 390-402.	1.9	219
720	Quantum cryptography: Theoretical protocols for quantum key distribution and tests of selected commercial QKD systems in commercial fiber networks. International Journal of Quantum Information, 2016, 14, 1630002.	0.6	2
721	Using Modeling and Simulation to Study Photon Number Splitting Attacks. IEEE Access, 2016, 4, 2188-2197.	2.6	22
722	3D avalanche multiplication in Si-Ge lateral avalanche photodiodes. Proceedings of SPIE, 2016, , .	0.8	2
723	Large-scale quantum networks based on graphs. New Journal of Physics, 2016, 18, 053036.	1.2	38
724	Biased decoy-state measurement-device-independent quantum cryptographic conferencing with finite resources. Optics Express, 2016, 24, 6594.	1.7	11
725	An integrated quantum repeater at telecom wavelength with single atoms in optical fiber cavities. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	38
726	Quantum memory receiver for superadditive communication using binary coherent states. Journal of Modern Optics, 2016, 63, 2074-2080.	0.6	16
727	Experimental demonstration of Gaussian protocols for one-sided device-independent quantum key distribution. Optica, 2016, 3, 634.	4.8	136
728	Repeat-accumulate codes for reconciliation in continuous variable quantum key distribution., 2016,,.		8
729	An enhanced proposal on decoy-state measurement device-independent quantum key distribution. Quantum Information Processing, 2016, 15, 3785-3797.	1.0	5
730	Authentication in virtual private networks based on quantum key distribution methods. Multimedia Tools and Applications, 2016, 75, 10691-10707.	2.6	6
731	Passive decoy-state quantum key distribution for the weak coherent photon source with finite-length key. Chinese Physics B, 2016, 25, 010305.	0.7	2
732	On conclusive eavesdropping and measures of mutual information in quantum key distribution. Quantum Information Processing, 2016, 15, 1225-1239.	1.0	5
733	Quantum cloning disturbed by thermal Davies environment. Quantum Information Processing, 2016, 15, 2661-2673.	1.0	2

#	Article	IF	CITATIONS
734	Controlled quantum secure communication protocol with single photons in both polarization and spatial-mode degrees of freedom. Modern Physics Letters B, 2016, 30, 1650051.	1.0	9
735	Security of a semi-quantum protocol where reflections contribute to the secret key. Quantum Information Processing, 2016, 15, 2067-2090.	1.0	54
736	Attacks on quantum key distribution protocols that employ non-ITS authentication. Quantum Information Processing, 2016, 15, 327-362.	1.0	16
737	Three-party Quantum Secure Direct Communication with Single Photons in both Polarization and Spatial-mode Degrees of Freedom. International Journal of Theoretical Physics, 2016, 55, 2490-2499.	0.5	16
738	Security of Quantum Key Distribution. IEEE Access, 2016, 4, 724-749.	2.6	54
739	Adaptive spatial filtering of daytime sky noise in a satellite quantum key distribution downlink receiver. Optical Engineering, 2016, 55, 026104.	0.5	25
740	Attacks on practical quantum key distribution systems (and how to prevent them). Contemporary Physics, 2016, 57, 366-387.	0.8	63
741	Faint laser pulses versus a single-photon source in free space quantum cryptography. Laser Physics Letters, 2016, 13, 035201.	0.6	3
742	A fiber quantum communication system based on an autocompensation optical circuit. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 5-8.	0.1	2
743	Investigating the bit rate of a quantum key over free space, depending on the conditions of transmission. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 1-4.	0.1	2
744	Performance Improvement of Two-way Quantum Key Distribution by Using a Heralded Noiseless Amplifier. International Journal of Theoretical Physics, 2016, 55, 2199-2211.	0.5	3
745	Deterministic mediated superdense coding with linear optics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 848-855.	0.9	2
746	Quantum key distribution using continuous-variable non-Gaussian states. Quantum Information Processing, 2016, 15, 893-904.	1.0	15
747	High-efficiency Gaussian key reconciliation in continuous variable quantum key distribution. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	2.0	25
748	Classical noise, quantum noise and secure communication. European Journal of Physics, 2016, 37, 013001.	0.3	1
749	Four-state quantum key distribution exploiting maximum mutual information measurement strategy. Quantum Information Processing, 2016, 15, 881-891.	1.0	4
750	Impact of coarse-grained measurement with finite range on continuous-variable quantum key distribution. Journal of Modern Optics, 2016, 63, 553-557.	0.6	0
751	Weak Locking Capacity of Quantum Channels Can be Much Larger Than Private Capacity. Journal of Cryptology, 2017, 30, 1-21.	2.1	8

#	Article	IF	CITATIONS
752	Long-distance copropagation of quantum key distribution and terabit classical optical data channels. Physical Review A, $2017, 95, .$	1.0	79
<b>7</b> 53	A kind of universal quantum secret sharing protocol. Scientific Reports, 2017, 7, 39845.	1.6	11
754	Converse Bounds for Private Communication Over Quantum Channels. IEEE Transactions on Information Theory, 2017, 63, 1792-1817.	1.5	98
755	Numerical simulation of the optimal two-mode attacks for two-way continuous-variable quantum cryptography in reverse reconciliation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 035501.	0.6	14
756	Loss-tolerant measurement-device-independent quantum private queries. Scientific Reports, 2017, 7, 39733.	1.6	17
757	Round-robin differential-phase-shift quantum key distribution in wavelength-multiplexed fiber channel. , 2017, , .		O
758	Analysis of coherent quantum cryptography protocol vulnerability to an active beam-splitting attack. Quantum Electronics, 2017, 47, 163-168.	0.3	9
759	Self-coherent phase reference sharing for continuous-variable quantum key distribution. Physical Review A, 2017, 95, .	1.0	86
760	Experimentally feasible quantum-key-distribution scheme using qubit-like qudits and its comparison with existing qubit- and qudit-based protocols. Physical Review A, 2017, 95, .	1.0	6
761	Entropic uncertainty relations and their applications. Reviews of Modern Physics, 2017, 89, .	16.4	378
762	Quantum random number generators. Reviews of Modern Physics, 2017, 89, .	16.4	412
763	On a simple attack, limiting the range transmission of secret keys in a system of quantum cryptography based on coding in a sub-carrier frequency. Laser Physics Letters, 2017, 14, 035201.	0.6	1
764	Chip-based quantum key distribution. Nature Communications, 2017, 8, 13984.	5.8	232
767	High-dimensional quantum key distribution with the entangled single-photon-added coherent state. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1393-1397.	0.9	21
768	Teleportation-based continuous variable quantum cryptography. Quantum Information Processing, 2017, 16, 1.	1.0	5
769	Quantum cryptography: a view from classical cryptography. Quantum Science and Technology, 2017, 2, 020502.	2.6	10
770	Quantum imaging and spatial entanglement characterization with an EMCCD camera. , 2017, , .		0
771	Continuous variable quantum key distribution. Chinese Physics B, 2017, 26, 040303.	0.7	34

#	Article	IF	CITATIONS
772	Learning in quantum control: High-dimensional global optimization for noisy quantum dynamics. Neurocomputing, 2017, 268, 116-126.	3.5	68
773	Oblivious transfer based on single-qubit rotations. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 205301.	0.7	6
774	Fundamental limits of repeaterless quantum communications. Nature Communications, 2017, 8, 15043.	5.8	827
775	Modulatorâ€Free Coherentâ€Oneâ€Way Quantum Key Distribution. Laser and Photonics Reviews, 2017, 11, 1700067.	4.4	13
776	Airborne demonstration of a quantum key distribution receiver payload. Quantum Science and Technology, 2017, 2, 024009.	2.6	86
777	Quantum Authentication with Key Recycling. Lecture Notes in Computer Science, 2017, , 339-368.	1.0	16
778	Robustness of reference-frame-independent quantum key distribution against the relative motion of the reference frames. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2497-2501.	0.9	16
779	Distinguishing quantum states using time-traveling qubits in the presence of thermal environments. Physical Review A, 2017, 95, .	1.0	0
780	High-efficiency reconciliation for continuous variable quantum key distribution. Japanese Journal of Applied Physics, 2017, 56, 044401.	0.8	18
781	Experimental quantum digital signature over 102 km. Physical Review A, 2017, 95, .	1.0	52
782	Efficient quantum communications with coherent state fingerprints over multiple channels. Physical Review A, 2017, 95, .	1.0	19
783	Measurement-device-independent quantum key distribution with source state errors and statistical fluctuation. Physical Review A, 2017, 95, .	1.0	22
784	Cryptanalysis of Controlled Bidirectional Quantum Secure Direct Communication Network Using Classical XOR Operation and Quantum Entanglement. IEEE Communications Letters, 2017, 21, 1561-1564.	2.5	3
785	Practical measurement-device-independent quantum key distribution without vacuum sources. Physical Review A, 2017, 95, .	1.0	14
786	Semiquantum secure direct communication using EPR pairs. Quantum Information Processing, 2017, 16, 1.	1.0	49
787	Semiconductor devices for entangled photon pair generation: a review. Reports on Progress in Physics, 2017, 80, 076001.	8.1	117
788	General tradeoff relations of quantum nonlocality in the Clauser–Horne–Shimony–Holt scenario. Annals of Physics, 2017, 377, 220-228.	1.0	3
789	An efficient controlled quantum secure direct communication and authentication by using four particle cluster states. International Journal of Quantum Information, 2017, 15, 1750002.	0.6	8

#	Article	IF	CITATIONS
790	A single molecule as a high-fidelity photon gun for producing intensity-squeezed light. Nature Photonics, 2017, 11, 58-62.	15.6	75
791	Theoretically extensible quantum digital signature with starlike cluster states. Quantum Information Processing, 2017, $16,1.$	1.0	20
792	Integration of quantum key distribution and private classical communication through continuous variable. Quantum Information Processing, 2017, 16, 1.	1.0	1
793	Notes on a Continuous-Variable Quantum Key Distribution Scheme. Journal of the Physical Society of Japan, 2017, 86, 094001.	0.7	1
794	Ultralow-Noise Room-Temperature Quantum Memory for Polarization Qubits. Physical Review Applied, 2017, 8, .	1.5	31
795	Space division multiplexing chip-to-chip quantum key distribution. Scientific Reports, 2017, 7, 12459.	1.6	32
796	Short Review on Quantum Key Distribution Protocols. Advances in Experimental Medicine and Biology, 2017, 988, 149-157.	0.8	4
797	Finite-size analysis of measurement-device-independent quantum cryptography with continuous variables. Physical Review A, 2017, 96, .	1.0	58
798	Finite-size analysis of continuous-variable measurement-device-independent quantum key distribution. Physical Review A, 2017, 96, .	1.0	40
799	Symmetric Blind Information Reconciliation for Quantum Key Distribution. Physical Review Applied, 2017, 8, .	1.5	44
800	Fundamental finite key limits for one-way information reconciliation in quantum key distribution. Quantum Information Processing, 2017, 16, 1.	1.0	17
801	Conditional Hybrid Nonclassicality. Physical Review Letters, 2017, 119, 120403.	2.9	22
802	Amplification of the parametric dynamical Casimir effect via optimal control. Physical Review A, 2017, 96, .	1.0	12
803	Imperfect state preparation in continuous-variable quantum key distribution. Physical Review A, 2017, 96, .	1.0	36
804	Quantum key distribution without the wavefunction. International Journal of Quantum Information, 2017, 15, 1750048.	0.6	1
806	Photodetector figures of merit in terms of POVMs. Journal of Physics Communications, 2017, 1, 045001.	0.5	15
807	Experimental demonstration of loop state-preparation-and-measurement tomography. Physical Review A, 2017, 95, .	1.0	9
808	Entanglement-distillation attack on continuous-variable quantum key distribution in a turbulent atmospheric channel. Physical Review A, 2017, 96, .	1.0	42

#	Article	IF	Citations
809	Implementation of quantum key distribution network simulation module in the network simulator NS-3. Quantum Information Processing, 2017, $16$ , $1$ .	1.0	51
810	Numerical assessment and optimization of discrete-variable time-frequency quantum key distribution. Physical Review A, 2017, 95, .	1.0	7
811	Online evolution reconstruction from a single measurement record with random time intervals for quantum communication. Quantum Information Processing, 2017, 16, 1.	1.0	2
812	Improving Continuous-Variable Measurement-Device-Independent Multipartite Quantum Communication with Optical Amplifiers *. Communications in Theoretical Physics, 2017, 68, 191.	1.1	1
813	Automatic generation of optimal quantum key distribution protocols., 2017,,.		9
814	General bounds for sender-receiver capacities in multipoint quantum communications. Physical Review A, 2017, 96, .	1.0	73
815	A cost-effective measurement-device-independent quantum key distribution system for quantum networks. Quantum Science and Technology, 2017, 2, 04LT01.	2.6	25
816	Progress in satellite quantum key distribution. Npj Quantum Information, 2017, 3, .	2.8	232
817	Invisible Trojan-horse attack. Scientific Reports, 2017, 7, 8403.	1.6	37
818	Fluctuations of Internal Transmittance in Security of Measurement-Device-Independent Quantum Key Distribution with an Untrusted Source *. Communications in Theoretical Physics, 2017, 68, 206.	1.1	0
819	Cat Codes with Optimal Decoherence Suppression for a Lossy Bosonic Channel. Physical Review Letters, 2017, 119, 030502.	2.9	69
820	Polarization-Multiplexed Phase Modulation of Single Photons in a Sagnac Interferometer. IEEE Photonics Technology Letters, 2017, 29, 1647-1650.	1.3	0
821	Robustness of quantum key distribution with discrete and continuous variables to channel noise. Physical Review A, 2017, 95, .	1.0	24
822	Fault-tolerant Semiquantum key Distribution Over a Collective-dephasing Noise Channel. International Journal of Theoretical Physics, 2017, 56, 2659-2670.	0.5	13
823	Performance improvement of continuous-variable quantum key distribution with an entangled source in the middle via photon subtraction. Physical Review A, 2017, 95, .	1.0	70
824	An approach to integrate quantum key distribution technology into standard secure communication applications., 2017,,.		3
825	LEO-to-ground optical communications using SOTA (Small Optical TrAnsponder) – Payload verification results and experiments on space quantum communications. Acta Astronautica, 2017, 139, 377-384.	1.7	34
826	Bright nanoscale source of deterministic entangled photonÂpairs violating Bell's inequality. Scientific Reports, 2017, 7, 1700.	1.6	56

#	Article	IF	Citations
827	Quantum key distribution protocol based on contextuality monogamy. Physical Review A, 2017, 95, .	1.0	20
828	Quantum repeaters based on trapped ions with decoherence-free subspace encoding. Quantum Science and Technology, 2017, 2, 044001.	2.6	15
829	Frequency coded quantum key distribution channel based on photon amplitude-phase modulation. , 2017, , .		1
830	Implementation of continuous-variable quantum key distribution with discrete modulation. Quantum Science and Technology, 2017, 2, 024010.	2.6	38
831	Practical quantum cryptography. JETP Letters, 2017, 105, 606-612.	0.4	16
832	Unified quantum no-go theorems and transforming of quantum pure states in a restricted set. Quantum Information Processing, 2017, 16, 1.	1.0	9
833	Passive Decoy-State Reference-Frame-Independent Quantum Key Distribution with Heralded Single-Photon Source. Chinese Physics Letters, 2017, 34, 120301.	1.3	5
834	Lengthening Unidimensional Continuous-Variable Quantum Key Distribution with Noiseless Linear Amplifier. Lecture Notes in Computer Science, 2017, , 31-41.	1.0	O
835	Continuous-variable quantum key distribution with a leakage from state preparation. Physical Review A, 2017, 96, .	1.0	27
836	Interpreting quantum coherence through a quantum measurement process. Physical Review A, 2017, 96,	1.0	11
837	Balancing four-state continuous-variable quantum key distribution with linear optics cloning machine. Chinese Physics B, 2017, 26, 110304.	0.7	5
838	Control of distributed interference in the one-way quantum cryptography system. JETP Letters, 2017, 106, 120-126.	0.4	3
839	Conversion from Single Photon to Single Electron Spin Using Electrically Controllable Quantum Dots. Journal of the Physical Society of Japan, 2017, 86, 011008.	0.7	14
840	Fundamental limitation on quantum broadcast networks. Quantum Science and Technology, 2017, 2, 024004.	2.6	30
841	Free-space quantum links under diverse weather conditions. Physical Review A, 2017, 96, .	1.0	60
842	Practical repeaters for ultra-long distance quantum communication., 2017,,.		0
843	Sufficiency of quantum non-Gaussianity for discrete-variable quantum key distribution over noisy channels. Physical Review A, 2017, 96, .	1.0	11
844	Gaussian two-mode attacks in one-way quantum cryptography. Physical Review A, 2017, 95, .	1.0	12

#	Article	IF	CITATIONS
845	Practical repeaters for ultralong-distance quantum communication. Physical Review A, 2017, 95, .	1.0	29
846	Quantum approach to the information privacy in Smart Grid., 2017,,.		5
847	Quantifying backflash radiation to prevent zero-error attacks in quantum key distribution. Light: Science and Applications, 2017, 6, e16261-e16261.	7.7	40
848	Additive Classical Capacity of Quantum Channels Assisted by Noisy Entanglement. Physical Review Letters, 2017, 118, 200503.	2.9	22
849	Quality of spatial entanglement propagation. Physical Review A, 2017, 95, .	1.0	17
850	Integrated optical modulator manipulating the polarization and rotation handedness of Orbital Angular Momentum states. Scientific Reports, 2017, 7, 3835.	1.6	7
851	Robust continuous-variable quantum key distribution against practical attacks. Physical Review A, 2017, 95, .	1.0	25
852	Physical-layer security analysis of PSK quantum-noise randomized cipher in optically amplified links. Quantum Information Processing, 2017, 16, 1.	1.0	10
853	Robust and Stable Delay Interferometers with Application to <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>d</mml:mi></mml:mrow></mml:math> -Dimensional Time-Frequency Quantum Key Distribution. Physical Review Applied, 2017, 7, .	1.5	33
854	Mesoscopic quantum cryptography. Journal of Experimental and Theoretical Physics, 2017, 124, 406-421.	0.2	1
855	Laser annealing heals radiation damage in avalanche photodiodes. EPJ Quantum Technology, 2017, 4, 11.	2.9	14
856	Quantum communication with coherent states of light. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160235.	1.6	4
857	Quantum photonic network and physical layer security. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160243.	1.6	6
858	Superiority of heterodyning over homodyning: An assessment with quadrature moments. Physical Review A, 2017, 95, .	1.0	7
859	Improved measurement-device-independent quantum key distribution with uncharacterized qubits. Physical Review A, 2017, 95, .	1.0	16
860	Experimental study on all-fiber-based unidimensional continuous-variable quantum key distribution. Physical Review A, 2017, 95, .	1.0	39
861	LINCOS., 2017,,.		18
862	Memory-assisted measurement device-independent quantum key distribution with parametric down-conversion sources. Journal of Modern Optics, 2017, 64, 659-664.	0.6	0

#	Article	IF	CITATIONS
863	Quantum Communication and Cryptography. Quantum Science and Technology, 2017, , 201-220.	1.5	1
864	Analysis of the Public Channel of Quantum Key Distribution Link. IEEE Journal of Quantum Electronics, 2017, 53, 1-8.	1.0	26
865	Improving continuous-variable quantum key distribution under local oscillator intensity attack using entanglement in the middle. Chinese Physics B, 2017, 26, 100303.	0.7	2
866	Evaluations of quantum bit error rate using the three stage multiphoton protocol., 2017,,.		3
867	Two high-dimensional cartesian bases for quantum key distribution. , 2017, , .		0
868	Progress toward optimal quantum tomography with unbalanced homodyning. Physical Review A, 2017, 96, .	1.0	2
869	Free-Space Quantum Communication with a Portable Quantum Memory. Physical Review Applied, 2017, $8, . \\$	1.5	8
870	Gleason-Busch theorem for sequential measurements. Physical Review A, 2017, 96, .	1.0	3
871	Upper bounds on secret-key agreement over lossy thermal bosonic channels. Physical Review A, 2017, 96, .	1.0	23
872	Manipulating photon coherence to enhance the security of distributed phase reference quantum key distribution. Applied Physics Letters, 2017, 111, .	1.5	6
873	Uncertainties of clock and shift operators for an electron in one-dimensional nonuniform lattice systems. Chinese Physics B, 2017, 26, 117201.	0.7	0
874	On the problem of non-zero word error rates for fixed-rate error correction codes in continuous variable quantum key distribution. New Journal of Physics, 2017, 19, 023003.	1.2	6
875	Quantum random number generator based on quantum nature of vacuum fluctuations. Journal of Physics: Conference Series, 2017, 917, 062008.	0.3	3
876	A practical identity authentication scheme for measurement-device-independent quantum key distribution., 2017,,.		3
877	Performance analysis of polarization coding BB84 quantum key distribution system under non-Markovian channel., 2017,,.		0
878	Regulable photon bunching and anti-bunching in quantum dot-bimodal cavity coupling system. , 2017, , .		0
879	A meta-converse for private communication over quantum channels. , 2017, , .		2
880	Two-Dimensional Quantum Key Distribution (QKD) Protocol for Increased Key Rate Fiber-Based Quantum Communications., 2017,,.		2

#	Article	IF	CITATIONS
881	FPGA-Based Implementation of Size-Adaptive Privacy Amplification in Quantum Key Distribution. IEEE Photonics Journal, 2017, 9, 1-8.	1.0	16
882	Performance Guarantees in Quantum Key Distribution Networks. , 2017, , .		1
883	Polarization variations in installed fibers and their influence on quantum key distribution systems. Optics Express, 2017, 25, 27923.	1.7	35
884	Polarization-basis tracking scheme for quantum key distribution using revealed sifted key bits. Optics Letters, 2017, 42, 1023.	1.7	37
885	Intensity fluctuation of a gain-switched semiconductor laser for quantum key distribution systems. Optics Express, 2017, 25, 622.	1.7	17
886	Transmitting more than 10 bit with a single photon. Optics Express, 2017, 25, 2826.	1.7	14
887	Photon blockade via quantum interference in a strong coupling qubit-cavity system. Optics Express, 2017, 25, 6767.	1.7	15
888	Physical-layer security analysis of a quantum-noise randomized cipher based on the wire-tap channel model. Optics Express, 2017, 25, 10947.	1.7	21
889	Finite-key bound for semi-device-independent quantum key distribution. Optics Express, 2017, 25, 16971.	1.7	15
890	Mixed basis quantum key distribution with linear optics. Optics Express, 2017, 25, 23545.	1.7	2
891	Serial-parallel conversion for single photons with heralding signals. Optics Express, 2017, 25, 32443.	1.7	2
892	Long-distance quantum key distribution secure against coherent attacks. Optica, 2017, 4, 163.	4.8	132
893	Integrated silicon photonics for high-speed quantum key distribution. Optica, 2017, 4, 172.	4.8	177
894	Quantum-limited measurements of optical signals from a geostationary satellite. Optica, 2017, 4, 611.	4.8	105
895	High-dimensional intracity quantum cryptography with structured photons. Optica, 2017, 4, 1006.	4.8	330
896	Finite-size analysis of unidimensional continuous-variable quantum key distribution under realistic conditions. Optics Express, 2017, 25, 27995.	1.7	20
897	Reducing detection noise of a photon pair in a dispersive medium by controlling its spectral entanglement. Optica, 2017, 4, 84.	4.8	16
898	Modeling, Simulation, and Performance Analysis of Decoy State Enabled Quantum Key Distribution Systems. Applied Sciences (Switzerland), 2017, 7, 212.	1.3	6

#	Article	IF	CITATIONS
899	Synchronization in Quantum Key Distribution Systems. Cryptography, 2017, 1, 18.	1.4	13
900	Multi-partite entanglement can speed up quantum key distribution in networks. New Journal of Physics, 2017, 19, 093012.	1.2	110
902	Soft-Reservation based Resource Allocation in Optical Networks Secured by Quantum Key Distribution (QKD). , 2017, , .		2
903	Performance Improvement of Plug-and-Play Dual-Phase-Modulated Quantum Key Distribution by Using a Noiseless Amplifier. Entropy, 2017, 19, 546.	1.1	11
904	Secret-key expansion from covert communication. Physical Review A, 2018, 97, .	1.0	7
905	Parameter regimes for a single sequential quantum repeater. Quantum Science and Technology, 2018, 3, 034002.	2.6	44
906	Multidimensional quantum entanglement with large-scale integrated optics. Science, 2018, 360, 285-291.	6.0	554
907	First-Principles Calculations of Point Defects for Quantum Technologies. Annual Review of Materials Research, 2018, 48, 1-26.	4.3	93
908	A quantum light-emitting diode for the standard telecom window around 1,550 nm. Nature Communications, 2018, 9, 862.	5.8	119
909	Practical cryptographic strategies in the post-quantum era. AIP Conference Proceedings, 2018, , .	0.3	6
910	Extended analysis of the Trojan-horse attack in quantum key distribution. Physical Review A, 2018, 97, .	1.0	14
911	Security of a single-state semi-quantum key distribution protocol. Quantum Information Processing, 2018, 17, 1.	1.0	41
912	Finite-key analysis for the 1-decoy state QKD protocol. Applied Physics Letters, 2018, 112, .	1.5	79
913	Measurement-device-independent quantum key distribution with correlated source-light-intensity errors. Physical Review A, 2018, 97, .	1.0	4
914	Best-Practice Criteria for Practical Security of Self-Differencing Avalanche Photodiode Detectors in Quantum Key Distribution. Physical Review Applied, 2018, 9, .	1.5	14
915	Entanglement Purification of Nonlocal Quantumâ€Dotâ€Confined Electrons Assisted by Doubleâ€Sided Optical Microcavities. Annalen Der Physik, 2018, 530, 1800029.	0.9	11
916	Composable security of unidimensional continuous-variable quantum key distribution. Quantum Information Processing, 2018, 17, 1.	1.0	16
917	Metropolitan Quantum Key Distribution with Silicon Photonics. Physical Review X, 2018, 8, .	2.8	91

#	Article	IF	Citations
918	Reference-Frame-Independent and Measurement-Device-Independent Quantum Key Distribution Using One Single Source. International Journal of Theoretical Physics, 2018, 57, 2192-2202.	0.5	9
919	Experimental investigation of practical unforgeable quantum money. Npj Quantum Information, 2018, 4, .	2.8	30
920	Security proof of continuous-variable quantum key distribution using three coherent states. Physical Review A, 2018, 97, .	1.0	45
921	Design and Security Analysis of Quantum Key Distribution Protocol Over Free-Space Optics Using Dual-Threshold Direct-Detection Receiver. IEEE Access, 2018, 6, 4159-4175.	2.6	44
922	Quantum key distribution with an efficient countermeasure against correlated intensity fluctuations in optical pulses. Npj Quantum Information, 2018, 4, .	2.8	62
923	Robust quantum network architectures and topologies for entanglement distribution. Physical Review A, 2018, 97, .	1.0	40
924	Squeezed-state quantum key distribution with a Rindler observer. Quantum Information Processing, 2018, 17, 1.	1.0	6
925	Security of BB84 with weak randomness and imperfect qubit encoding. Quantum Information Processing, 2018, 17, 1.	1.0	1
926	Device-independent secret-key-rate analysis for quantum repeaters. Physical Review A, 2018, 97, .	1.0	2
927	Practical security analysis of continuous-variable quantum key distribution with jitter in clock synchronization. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 811-817.	0.9	11
928	Quantum-key-distribution protocol with pseudorandom bases. Physical Review A, 2018, 97, .	1.0	14
929	One-sided measurement-device-independent quantum key distribution. Physical Review A, 2018, 97, .	1.0	12
930	Passive state preparation in the Gaussian-modulated coherent-states quantum key distribution. Physical Review A, 2018, 97, .	1.0	31
931	Heralded entangling quantum gate via cavity-assisted photon scattering. Physical Review A, 2018, 97, .	1.0	9
932	Active learning machine learns to create new quantum experiments. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1221-1226.	3.3	208
933	Coherence, asymmetry, and quantum macroscopicity. Physical Review A, 2018, 97, .	1.0	11
934	Long-distance continuous-variable quantum key distribution using non-Gaussian state-discrimination detection. New Journal of Physics, 2018, 20, 023015.	1.2	47
935	Tunable Photon Blockade in Coupled Second-order Nonlinear Cavities. International Journal of Theoretical Physics, 2018, 57, 1039-1048.	0.5	0

#	Article	IF	CITATIONS
936	Unconventional photon blockade from bimodal driving and dissipations in coupled semiconductor microcavities. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 035503.	0.6	22
937	Securing quantum key distribution systems using fewer states. Physical Review A, 2018, 97, .	1.0	21
938	Coherent attacking continuous-variable quantum key distribution with entanglement in the middle. Quantum Information Processing, 2018, 17, 1.	1.0	5
939	<i>SU</i> (i>p, <i>q</i> ) coherent states and a Gaussian de Finetti theorem. Journal of Mathematical Physics, 2018, 59, .	0.5	12
940	Decoy-state quantum key distribution with more than three types of photon intensity pulses. Physical Review A, 2018, 97, .	1.0	13
941	Experimental preparation and verification of quantum money. Physical Review A, 2018, 97, .	1.0	16
942	Mutual information of optical communication in phase-conjugating Gaussian channels. Physical Review A, 2018, 97, .	1.0	0
943	Quantum error correction of continuous-variable states with realistic resources. Physical Review A, 2018, 97, .	1.0	16
944	Strong light illumination on gain-switched semiconductor lasers helps the eavesdropper in practical quantum key distribution systems. Optics Communications, 2018, 419, 83-89.	1.0	3
945	Quantum man-in-the-middle attack on the calibration process of quantum key distribution. Scientific Reports, 2018, 8, 4283.	1.6	24
946	Twisted photons: new quantum perspectives in high dimensions. Light: Science and Applications, 2018, 7, 17146-17146.	7.7	412
947	Reconfigurable generation and measurement of mutually unbiased bases for time-bin qudits. Applied Physics Letters, 2018, $112$ , .	1.5	14
948	Measurement-device-independent quantum key distribution via quantum blockade. Scientific Reports, 2018, 8, 4115.	1.6	4
949	Optimized decoy state QKD for underwater free space communication. International Journal of Quantum Information, 2018, 16, 1850019.	0.6	11
950	Self-referenced continuous-variable measurement-device-independent quantum key distribution. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1149-1156.	0.9	6
951	Continuous-variable quantum key distribution in uniform fast-fading channels. Physical Review A, 2018, 97, .	1.0	37
952	Physical layer security in fiber-optic MIMO-SDM systems: An overview. Optics Communications, 2018, 408, 31-41.	1.0	19
953	State discrimination of two pure states with a fixed rate of inconclusive answer. Journal of Modern Optics, 2018, 65, 192-199.	0.6	5

#	Article	IF	Citations
954	Single-shot secure quantum network coding on butterfly network with free public communication. Quantum Science and Technology, 2018, 3, 014001.	2.6	11
955	Performance improvement of eight-state continuous-variable quantum key distribution with an optical amplifier. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 372-381.	0.9	25
956	Semi-Quantum Key Distribution with Limited Measurement Capabilities. , $2018, \ldots$		3
957	Feasibility of Quantum Communications in Aquatic Scenario. , 2018, , .		3
958	FBG-Based Multidimensional QKD., 2018,,.		0
959	Multi-Core Optical Fibers: Theory, Applications and Opportunities. , 0, , .		8
960	Secure Key Throughput of Intermittent Trusted-Relay QKD Protocols. , 2018, , .		17
961	Inter-Symbol-Interference Reduction in Continuous Variable QKD Using Equalization. , 2018, , .		2
962	Chaos-Based Stream Cipher Using a Star Network of Chaotic Maps. , 2018, , .		0
963	Performance Research for Quantum Key Distribution Based on Real Air-Water Channel. , 2018, , .		1
964	Finite-key effects in multipartite quantum key distribution protocols. New Journal of Physics, 2018, 20, 113014.	1.2	40
965	Multiplexing C-band quantum key distribution with O-band classical optical communication over common optical fiber at metro access distance. , $2018, \ldots$		1
966	Small imperfect randomness restricts security of quantum key distribution. Physical Review A, 2018, 98, .	1.0	12
967	Quantum Communications via Satellite with Photon Subtraction. , 2018, , .		8
968	Converse bounds for quantum and private communication over Holevo–Werner channels. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 494001.	0.7	8
969	Optimal LSBs-based quantum watermarking with lower distortion. International Journal of Quantum Information, 2018, 16, 1850058.	0.6	4
970	Response in the violation of the Bell inequality to imperfect photon addition and subtraction in noisy squeezed states of light. Physical Review A, 2018, 98, .	1.0	2
971	Energy-Constrained Private and Quantum Capacities of Quantum Channels. IEEE Transactions on Information Theory, 2018, 64, 7802-7827.	1.5	27

#	Article	IF	CITATIONS
972	Advantages of the coherent state compared with squeezed state in unidimensional continuous variable quantum key distribution. Quantum Information Processing, 2018, 17, 1.	1.0	5
973	Versatile relative entropy bounds for quantum networks. New Journal of Physics, 2018, 20, 013033.	1.2	32
974	Characterization and mitigation of information loss in a six-state quantum-key-distribution protocol with spatial modes of light through turbulence. Physical Review A, $2018, 98, .$	1.0	14
975	Hacking Alice's box in continuous-variable quantum key distribution. Physical Review A, 2018, 98, .	1.0	12
976	Long-Distance Continuous-Variable Quantum Key Distribution with Entangled States. Physical Review Applied, 2018, 10, .	1.5	38
977	Effects of gravity on continuous-variable quantum key distribution. Physical Review D, 2018, 98, .	1.6	6
978	Tamm plasmons for efficient interaction of telecom wavelength photons and quantum dots. IET Optoelectronics, 2018, 12, 11-14.	1.8	8
979	Hacking the Quantum Key Distribution System by Exploiting the Avalanche-Transition Region of Single-Photon Detectors. Physical Review Applied, 2018, 10, .	1.5	30
980	Twin-field quantum key distribution with large misalignment error. Physical Review A, 2018, 98, .	1.0	260
981	Space-Time Probability Density of Detection of a Photon in Laser Beam of the Femtosecond Range. , 2018, , .		1
982	Observation of non-locality sharing among three observers with one entangled pair via optimal weak measurement. Npj Quantum Information, 2018, 4, .	2.8	58
983	Quantum communication improved by spectral entanglement and supplementary chromatic dispersion. Physical Review A, 2018, 98, .	1.0	3
984	Two-time state formalism for quantum eavesdropping. Physical Review A, 2018, 98, .	1.0	2
985	Nanobob: a CubeSat mission concept for quantum communication experiments in an uplink configuration. EPJ Quantum Technology, 2018, 5, .	2.9	58
986	Building Blocks of Quantum Key Distribution. Springer Theses, 2018, , 11-27.	0.0	0
987	Unstructured High-Dimensional Time-Phase QKD. Springer Theses, 2018, , 57-71.	0.0	0
988	Cloning of High-Dimensional Quantum States. Springer Theses, 2018, , 93-105.	0.0	0
989	Reference-Frame-Independent Measurement-Device-Independent Quantum Key Distribution with Uncharacterized Qubits. Journal of the Korean Physical Society, 2018, 73, 861-865.	0.3	0

#	Article	IF	CITATIONS
990	A High Dimensional Measurement-Device-Independent Quantum Key Distribution Scheme Based on Optical Quantum State Fusion and Fission. International Journal of Theoretical Physics, 2018, 57, 3902-3911.	0.5	0
991	Security-proof framework for two-way Gaussian quantum-key-distribution protocols. Physical Review A, 2018, 98, .	1.0	13
992	Quantum Communication in Space – Challenges and Opportunities. , 2018, , .		1
993	Practical aspects of terahertz wireless quantum key distribution in indoor environments. Quantum Information Processing, 2018, 17, 1.	1.0	10
994	A denial-of-service attack on fiber-based continuous-variable quantum key distribution. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 3253-3261.	0.9	13
995	Improving the Maximum Transmission Distance of Self-Referenced Continuous-Variable Quantum Key Distribution Using a Noiseless Linear Amplifier. Entropy, 2018, 20, 461.	1.1	2
996	Universal Microwave Photonics Approach to Frequency-Coded Quantum Key Distribution. , 0, , .		8
997	A high-gain and high-fidelity coherent state comparison amplifier. Communications Physics, 2018, 1, .	2.0	11
998	Long-distance continuous-variable quantum key distribution using separable Gaussian states. Physical Review A, 2018, 98, .	1.0	14
999	High-efficiency quantum key distribution without key sifting. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2608.	0.9	O
1000	Bayesian error regions in quantum estimation II: region accuracy and adaptive methods. New Journal of Physics, 2018, 20, 093010.	1.2	3
1001	Quantum-Safe Metro Network With Low-Latency Reconfigurable Quantum Key Distribution. Journal of Lightwave Technology, 2018, 36, 5230-5236.	2.7	17
1002	Practical Analysis of Continuous-Variable Quantum Key Distribution Using a Nondeterministic Noiseless Linear Amplifier. International Journal of Theoretical Physics, 2018, 57, 3081-3097.	0.5	2
1003	Ultracold Rydberg atoms for efficient storage of terahertz frequency signals using electromagnetically induced transparency. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 3500-3504.	0.9	11
1004	Complete elimination of information leakage in continuous-variable quantum communication channels. Npj Quantum Information, 2018, 4, .	2.8	17
1005	Multipartite Continuous Variable Quantum Conferencing Network with Entanglement in the Middle. Applied Sciences (Switzerland), 2018, 8, 1312.	1.3	8
1006	40 Gb/s Secure Optical Communication System Based on Optical Code Technology. , 2018, , .		4
1007	Enhancing of Self-Referenced Continuous-Variable Quantum Key Distribution with Virtual Photon Subtraction. Entropy, 2018, 20, 578.	1.1	10

#	Article	IF	CITATIONS
1008	Simple security analysis of phase-matching measurement-device-independent quantum key distribution. Physical Review A, 2018, 98, .	1.0	126
1009	Quantized nonlinear Gaussian-beam dynamics: Tailoring multimode squeezed-light generation. Physical Review A, 2018, 98, .	1.0	5
1010	Quantum Key Distribution and Its Applications. IEEE Security and Privacy, 2018, 16, 42-48.	1.5	31
1011	Secret key rate of a continuous-variable quantum-key-distribution scheme when the detection process is inaccessible to eavesdroppers. Physical Review A, 2018, 98, .	1.0	6
1012	Quantum internet: A vision for the road ahead. Science, 2018, 362, .	6.0	1,098
1013	Game Theoretic Security Framework for Quantum Key Distribution. Lecture Notes in Computer Science, 2018, , 38-58.	1.0	2
1014	Design of polarization-insensitive high-visibility silicon-on-insulator quantum interferometer. Scientific Reports, 2018, 8, 14613.	1.6	6
1015	Quality of photon antibunching in two cavity-waveguide arrangements on a chip. Physical Review A, 2018, 98, .	1.0	15
1016	Combining spatiotemporal and particle-number degrees of freedom. Physical Review A, 2018, 98, .	1.0	7
1017	Heralded amplification of single-photon entanglement with polarization feature. Frontiers of Physics, 2018, 13, 1.	2.4	4
1018	Quantum key distribution with quantum walks. Quantum Information Processing, 2018, 17, 1.	1.0	37
1019	Ping-pong protocol based on the orbital angular momentum of light. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2348.	0.9	2
1020	Finite-size analysis of eight-state continuous-variable quantum key distribution with the linear optics cloning machine. Chinese Physics B, 2018, 27, 090307.	0.7	5
1021	Unidimensional continuous-variable quantum key distribution using squeezed states. Physical Review A, 2018, 98, .	1.0	21
1022	Continuous-Variable Quantum Key Distribution With Self-Reference Detection and Discrete Modulation. IEEE Journal of Quantum Electronics, 2018, 54, 1-8.	1.0	18
1023	Gaussian one-way thermal quantum cryptography with finite-size effects. Physical Review A, 2018, 98, .	1.0	14
1024	1.2-GHz Balanced Homodyne Detector for Continuous-Variable Quantum Information Technology. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	23
1025	Field implementation of long-distance quantum key distribution over aerial fiber with fast polarization feedback. Optics Express, 2018, 26, 22793.	1.7	26

#	Article	IF	Citations
1026	Multiphoton nonclassical light from clusters of single-photon emitters. New Journal of Physics, 2018, 20, 073013.	1.2	21
1027	Large scale quantum key distribution: challenges and solutions [Invited]. Optics Express, 2018, 26, 24260.	1.7	148
1028	Genetic algorithm to study practical quantum adversaries. , 2018, , .		1
1029	Unconventional single-photon blockade in non-Markovian systems. Physical Review A, 2018, 98, .	1.0	37
1030	Lidar-based SLAM and autonomous navigation for forestry quadrotors. , 2018, , .		6
1031	Distant Noise Reduction Based on Multi-delay Noise Model Using Distributed Microphone Array. , 2018, , .		O
1032	Response Performance Based Reliability Analysis of Aircraft Fault-tolerant Control system., 2018,,.		0
1033	Approximating a Multi-Grid Solver. , 2018, , .		O
1034	Professional Body memberships of Engineering and Polytechnic Teaching Faculties and its effect on Teaching Learning Process. , $2018,  \ldots$		0
1035	Generalized quantum no-go theorems of pure states. Quantum Information Processing, 2018, 17, 1.	1.0	1
1036	Exploring the boundaries of quantum mechanics: advances in satellite quantum communications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170461.	1.6	19
1037	Security analysis of orthogonal-frequency-division-multiplexing–based continuous-variable quantum key distribution with imperfect modulation. Physical Review A, 2018, 97, .	1.0	14
1038	One-way quantum repeaters with quantum Reed-Solomon codes. Physical Review A, 2018, 97, .	1.0	22
1039	Parameter Estimation with Almost No Public Communication for Continuous-Variable Quantum Key Distribution. Physical Review Letters, 2018, 120, 220505.	2.9	33
1040	New Quantum Key Distribution Scheme Based on Random Hybrid Quantum Channel with EPR Pairs and GHZ States. International Journal of Theoretical Physics, 2018, 57, 2648-2656.	0.5	5
1041	Theory of atmospheric quantum channels based on the law of total probability. Physical Review A, 2018, 97, .	1.0	32
1042	One-Shot Coherence Distillation. Physical Review Letters, 2018, 121, 010401.	2.9	99
1043	Quantum key distribution with phase-encoded coherent states: Asymptotic security analysis in thermal-loss channels. Physical Review A, 2018, 98, .	1.0	24

#	Article	IF	Citations
1044	Security of Quantum Key Distribution Protocols., 0,,.		8
1045	Quantum Flows for Secret Key Distribution. , 2018, , .		1
1046	Wireless quantum key distribution in indoor environments. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 197.	0.9	24
1047	Quantum-classical access networks with embedded optical wireless links. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 487.	0.9	10
1048	Semi-quantum noise randomized data encryption based on an amplified spontaneous emission light source. Optics Express, 2018, 26, 11587.	1.7	13
1049	Generation of mutually unbiased bases for 4D-QKD with structured photons via LNOI photonic wire. Journal of Optics (United Kingdom), 2018, 20, 095802.	1.0	2
1050	Security of subcarrier wave quantum key distribution against the collective beam-splitting attack. Optics Express, 2018, 26, 11292.	1.7	38
1051	Free space quantum key distribution using modulating retro-reflectors. Optics Express, 2018, 26, 11331.	1.7	11
1052	Rényi relative entropies of quantum Gaussian states. Journal of Mathematical Physics, 2018, 59, .	0.5	19
1053	Quantum key distribution using in-line highly birefringent interferometers. Applied Physics Letters, 2018, 113, 031107.	1.5	3
1054	Round-robin differential-phase-shift quantum key distribution with twisted photons. Physical Review A, 2018, 98, .	1.0	26
1055	Low-Dimensional Reconciliation for Continuous-Variable Quantum Key Distribution. Applied Sciences (Switzerland), 2018, 8, 87.	1.3	21
1056	Security Analysis of Unidimensional Continuous-Variable Quantum Key Distribution Using Uncertainty Relations. Entropy, 2018, 20, 157.	1.1	9
1057	Measurement-Device Independency Analysis of Continuous-Variable Quantum Digital Signature. Entropy, 2018, 20, 291.	1.1	4
1058	Quantification of the Impact of Photon Distinguishability on Measurement-Device- Independent Quantum Key Distribution. Electronics (Switzerland), 2018, 7, 49.	1.8	1
1059	Continuous-Variable Quantum Key Distribution with Orthogonal Frequency Division Multiplexing Modulation. International Journal of Theoretical Physics, 2018, 57, 2956-2967.	0.5	1
1060	Decoherence can help quantum cryptographic security. Quantum Information Processing, 2018, 17, 1.	1.0	13
1061	Cross-correlation between photons and phonons in quadratically coupled optomechanical systems. Physical Review A, 2018, 98, .	1.0	33

#	Article	IF	CITATIONS
1062	Homodyne-detector-blinding attack in continuous-variable quantum key distribution. Physical Review A, $2018,98,$	1.0	74
1063	Composable security analysis of continuous-variable measurement-device-independent quantum key distribution with squeezed states for coherent attacks. Physical Review A, 2018, 98, .	1.0	31
1064	Ideal photonic absorption, emission, and routings in chiral waveguides. Optics Communications, 2018, 425, 13-18.	1.0	9
1065	Time-Scheduled Quantum Key Distribution (QKD) Over WDM Networks. Journal of Lightwave Technology, 2018, 36, 3382-3395.	2.7	65
1066	Three-observer classical dimension witness violation with weak measurement. Communications Physics, $2018,1,\ldots$	2.0	14
1067	Q3Sat: quantum communications uplink to a 3U CubeSatâ€"feasibility & design. EPJ Quantum Technology, 2018, 5, .	2.9	32
1068	Cryptanalysis of the Quantum Private Comparison Protocol Based on the Entanglement Swapping Between Three-Particle W-Class State and Bell State. International Journal of Theoretical Physics, 2018, 57, 1716-1722.	0.5	14
1069	Quantum Private Query Based on Bell State and Single Photons. International Journal of Theoretical Physics, 2018, 57, 1983-1989.	0.5	17
1070	Detector-device-independent quantum secret sharing with source flaws. Scientific Reports, 2018, 8, 5728.	1.6	12
1071	FBG-Based Weak Coherent State and Entanglement-Assisted Multidimensional QKD. IEEE Photonics Journal, 2018, 10, 1-12.	1.0	14
1072	Finite-key security analysis for quantum key distribution with leaky sources. New Journal of Physics, 2018, 20, 083027.	1.2	28
1073	Continuousâ€Variable Quantum Key Distribution with Gaussian Modulation—The Theory of Practical Implementations. Advanced Quantum Technologies, 2018, 1, 1800011.	1.8	193
1074	Key-Rate Bound of a Semi-Quantum Protocol Using an Entropic Uncertainty Relation. , 2018, , .		6
1075	Trade-offs in multiparty Bell-inequality violations in qubit networks. Physical Review A, 2018, 98, .	1.0	7
1076	Compensating the Cross-Talk in Two-Mode Continuous-Variable Quantum Communication. , 2018, , .		1
1077	Photonic graph state generation from quantum dots and color centers for quantum communications. Physical Review B, 2018, 98, .	1.1	24
1078	A direct GHz-clocked phase and intensity modulated transmitter applied to quantum key distribution. Quantum Science and Technology, 2018, 3, 045010.	2.6	10
1079	Monitoring the intercept-resend attack with the weak measurement model. Quantum Information Processing, 2018, 17, 1.	1.0	2

#	Article	IF	Citations
1080	Quantum-secured blockchain. Quantum Science and Technology, 2018, 3, 035004.	2.6	143
1081	Multipartite continuous variable quantum communication with entanglement in the middle. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 295301.	0.7	1
1082	Strong and uniform convergence in the teleportation simulation of bosonic Gaussian channels. Physical Review A, 2018, 97, .	1.0	12
1083	10-Mb/s Quantum Key Distribution. Journal of Lightwave Technology, 2018, 36, 3427-3433.	2.7	155
1084	Energy-constrained two-way assisted private and quantum capacities of quantum channels. Physical Review A, 2018, 97, .	1.0	13
1085	Single photons from a gain medium below threshold. Physical Review B, 2018, 97, .	1.1	9
1086	Noise Analysis of Simultaneous Quantum Key Distribution and Classical Communication Scheme Using a True Local Oscillator. Physical Review Applied, 2018, 9, .	1.5	44
1087	Practical decoy state quantum key distribution with detector efficiency mismatch. European Physical Journal D, 2018, 72, 1.	0.6	4
1088	Four-State Continuous-Variable Quantum Key Distribution with Photon Subtraction. International Journal of Theoretical Physics, 2018, 57, 2755-2766.	0.5	5
1089	Generation of arbitrary all-photonic graph states from quantum emitters. New Journal of Physics, 2019, 21, 055002.	1.2	24
1090	Quantum interference of multi-photon at beam splitter with application in measurement-device-independent quantum key distribution. New Journal of Physics, 2019, 21, 053027.	1.2	5
1091	Improving the performance of twin-field quantum key distribution. Physical Review A, 2019, 100, .	1.0	18
1092	Simultaneous Classical Communication and Quantum Key Distribution Based on Plug-and-Play Configuration with an Optical Amplifier. Entropy, 2019, 21, 333.	1.1	10
1093	Practical decoy-state method for twin-field quantum key distribution. New Journal of Physics, 2019, 21, 073001.	1.2	34
1094	Generation of non-classical light in a photon-number superposition. Nature Photonics, 2019, 13, 803-808.	15.6	39
1095	Photonic Engineering for CV-QKD Over Earth-Satellite Channels. , 2019, , .		7
1096	An integrated silicon photonic chip platform for continuous-variable quantum key distribution. Nature Photonics, 2019, 13, 839-842.	15.6	196
1097	Phase estimation using homodyne detection for continuous variable quantum key distribution. Journal of Applied Physics, 2019, 126, .	1.1	3

#	Article	IF	Citations
1098	Tunable photon statistics in parametrically amplified photonic molecules. Physical Review A, 2019, 100, .	1.0	9
1099	Modeling and simulation of practical quantum secure communication network. Quantum Information Processing, 2019, 18, 1.	1.0	7
1100	Modular Quantum Key Distribution Setup for Research and Development Applications. Journal of Russian Laser Research, 2019, 40, 221-229.	0.3	11
1101	Random coding for sharing bosonic quantum secrets. Physical Review A, 2019, 100, .	1.0	7
1102	Individual attacks with generalized discrimination and inadequacy of some information measures. Quantum Information Processing, 2019, 18, 1.	1.0	1
1103	Repeaterless quantum key distribution with efficient finite-key analysis overcoming the rate-distance limit. Nature Communications, 2019, 10, 3140.	5.8	65
1104	Improving Parameter Estimation of Entropic Uncertainty Relation in Continuous-Variable Quantum Key Distribution. Entropy, 2019, 21, 652.	1.1	21
1105	Coherence and indistinguishability of highly pure single photons from non-resonantly and resonantly excited telecom C-band quantum dots. Applied Physics Letters, 2019, 115, .	1.5	48
1106	Telecom wavelength single photon sources. Journal of Semiconductors, 2019, 40, 071901.	2.0	51
1107	Stable single photon sources in the near C-band range above 400 K. Journal of Semiconductors, 2019, 40, 072902.	2.0	12
1108	The Engineering of Software-Defined Quantum Key Distribution Networks. IEEE Communications Magazine, 2019, 57, 20-26.	4.9	64
1109	Quantum hacking of free-space continuous-variable quantum key distribution by using a machine-learning technique. Physical Review A, 2019, 100, .	1.0	9
1110	Performance optimization of decoy-state BB84- and MDI- QKD protocol and their key integrating application strategy for power dispatching. Optical Fiber Technology, 2019, 52, 101944.	1.4	4
1111	Simple security proof of twin-field type quantum key distribution protocol. Npj Quantum Information, 2019, 5, .	2.8	145
1112	Improving the Secure Key Rate and Error Tolerance of the Interferometer-Based Time-Frequency Encoding QKD System. International Journal of Theoretical Physics, 2019, 58, 1456-1469.	0.5	1
1113	A modulator-free quantum key distribution transmitter chip. Npj Quantum Information, 2019, 5, .	2.8	46
1114	Asymptotic Security of Continuous-Variable Quantum Key Distribution with a Discrete Modulation. Physical Review X, 2019, 9, .	2.8	84
1115	Performance improvement of free-space continuous-variable quantum key distribution with an adaptive optics unit. Quantum Information Processing, 2019, 18, 1.	1.0	9

#	Article	IF	Citations
1116	Dynamical Blockade in a Single-Mode Bosonic System. Physical Review Letters, 2019, 123, 013602.	2.9	38
1117	Cost-Efficient Quantum Key Distribution (QKD) Over WDM Networks. Journal of Optical Communications and Networking, 2019, 11, 285.	3.3	35
1119	Continuous-variable quantum key distribution based on high-rate phase reference. Laser Physics, 2019, 29, 075202.	0.6	2
1120	Improvement of unidimensional continuous-variable quantum key distribution systems by using a phase-sensitive amplifier. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 225502.	0.6	7
1121	Fibre based hyperentanglement generation for dense wavelength division multiplexing. Quantum Science and Technology, 2019, 4, 045007.	2.6	14
1122	Unconditional Security of Sending or Not Sending Twin-Field Quantum Key Distribution with Finite Pulses. Physical Review Applied, 2019, 12, .	1.5	62
1123	Blue-light-emitting color centers in high-quality hexagonal boron nitride. Physical Review B, 2019, 100,	1.1	36
1124	Demonstrating Quantum Advantage in Security and Efficiency with Practical Photonic Systems. , 2019, ,		1
1125	Towards Large-Scale Quantum Networks. , 2019, , .		59
1126	Application of quantum secure communication technology in the power grid services. Journal of Physics: Conference Series, 2019, 1303, 012087.	0.3	4
1127	Highâ€Dimensional Quantum Communication: Benefits, Progress, and Future Challenges. Advanced Quantum Technologies, 2019, 2, 1900038.	1.8	195
1128	High-speed and Large-scale Privacy Amplification Scheme for Quantum Key Distribution. Scientific Reports, 2019, 9, 15733.	1.6	22
1129	Continuous-Variable Quantum Key Distribution with Rateless Reconciliation Protocol. Physical Review Applied, 2019, 12, .	1.5	45
1130	Security analysis of passive measurement-device-independent continuous-variable quantum key distribution with almost no public communication. Quantum Information Processing, 2019, 18, 1.	1.0	14
1131	Co-Existence of 87 Mbit/s Quantum and 10 Gbit/s Classical Communications in 37-Core Fiber., 2019,,.		1
1132	Security analysis of continuous-variable quantum key distribution with imperfect Faraday mirror. Laser Physics Letters, 2019, 16, 115202.	0.6	2
1133	Purification of single-photon emission from hBN using post-processing treatments. Nanophotonics, 2019, 8, 2049-2055.	2.9	35
1134	Feedforward-assisted coherent-state comparison amplifier. Physical Review A, 2019, 100, .	1.0	0

#	Article	IF	CITATIONS
1135	Quantum Anonymous Voting Protocol with the Privacy Protection of the Candidate. International Journal of Theoretical Physics, 2019, 58, 3323-3332.	0.5	7
1136	Active sensing and side channels of information leakage in quantum cryptography. Laser Physics, 2019, 29, 124001.	0.6	3
1137	A Key Verification Protocol for Quantum Key Distribution. IEEE Access, 2019, 7, 141386-141394.	2.6	4
1138	On the Photon Subtraction-Based Measurement-Device-Independent CV-QKD Protocols. IEEE Access, 2019, 7, 147399-147405.	2.6	4
1139	Method for Quantum Key Establishment through a Multimode Fiber. , 2019, , .		2
1140	Strong Photon Blockade Mediated by Optical Stark Shift in a Single-Atom–Cavity System. Physical Review Applied, 2019, 12, .	1.5	17
1141	A high-speed key management method for quantum key distribution network. , 2019, , .		5
1142	Optical-assisted Photon Blockade in a Cavity System via Parametric Interactions. International Journal of Theoretical Physics, 2019, 58, 3640-3650.	0.5	0
1143	Quantum secret sharing using weak coherent states. Physical Review A, 2019, 100, .	1.0	52
1144	QKD-Based Quantum Private Query Protocol in the Single-Photon Interference Communication System. IEEE Access, 2019, 7, 104749-104758.	2.6	7
1145	Carrier recombination mechanism at defects in wide band gap two-dimensional materials from first principles. Physical Review B, 2019, 100, .	1.1	22
1146	A link layer protocol for quantum networks. , 2019, , .		124
1147	Criteria for single photon sources with variable nonclassicality threshold. New Journal of Physics, 2019, 21, 083012.	1.2	6
1148	Quantum process identification: a method for characterizing non-markovian quantum dynamics. New Journal of Physics, 2019, 21, 083013.	1.2	10
1149	The Improvement of Performance for Continuous-Variable Quantum Key Distribution with Imperfect Gaussian Modulation. International Journal of Theoretical Physics, 2019, 58, 3414-3435.	0.5	4
1150	Semiquantum secure direct communication with authentication based on single-photons. International Journal of Quantum Information, 2019, 17, 1950024.	0.6	13
1151	Discovery of robust protocols for secure quantum cryptography. , 2019, , .		0
1152	Semiquantum key distribution with high quantum noise tolerance. Physical Review A, 2019, 100, .	1.0	21

#	Article	IF	CITATIONS
1153	Experimental Twin-Field Quantum Key Distribution through Sending or Not Sending. Physical Review Letters, 2019, 123, 100505.	2.9	167
1154	Noise and Security Analysis of Trusted Phase Noise Continuous Variable Quantum Key Distribution using a Local Local Oscillator., 2019,,.		4
1155	Quantum key distribution with flawed and leaky sources. Npj Quantum Information, 2019, 5, .	2.8	45
1156	Performance analysis of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>d</mml:mi></mml:math> -dimensional quantum cryptography under state-dependent diffraction. Physical Review A, 2019, 100, .	1.0	9
1157	Experimental demonstration of quantum advantage for one-way communication complexity surpassing best-known classical protocol. Nature Communications, 2019, 10, 4152.	5.8	12
1158	Designing quantum router in IBM quantum computer. Quantum Information Processing, 2019, 18, 1.	1.0	36
1159	Measurement-device-independent quantum key distribution with hyper-encoding. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	2.0	92
1160	Practical Quantum Key Distribution with Non-Phase-Randomized Coherent States. Physical Review Applied, 2019, 12, .	1.5	7
1161	Wavelength division multiplexing of continuous variable quantum key distribution and $18.3\ \text{Tbit/s}$ data channels. Communications Physics, $2019,2,.$	2.0	108
1162	Improving the lower bound to the secret-key capacity of the thermal amplifier channel. European Physical Journal D, 2019, 73, 1.	0.6	4
1163	Gaussian random number generator: Implemented in FPGA for quantum key distribution. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2019, 32, e2554.	1.2	9
1164	Finite-size analysis of continuous-variable quantum key distribution with entanglement in the middle. Chinese Physics B, 2019, 28, 010305.	0.7	6
1165	Single-photon characteristics of superposed weak coherent states. Physical Review A, 2019, 99, .	1.0	3
1166	Analysis of atmospheric effects on satellite-based quantum communication: a comparative study. Quantum Information Processing, 2019, 18, 1.	1.0	24
1167	A Classically Impossible Task Done by Using Quantum Resources. Journal of the Korean Physical Society, 2019, 74, 838-841.	0.3	0
1168	Realization of high-speed adaptive quantum state estimation. Japanese Journal of Applied Physics, 2019, 58, 072001.	0.8	1
1169	Experimental test of fine-grained entropic uncertainty relation in the presence of quantum memory. Scientific Reports, 2019, 9, 8748.	1.6	16
1170	Operational interpretation of coherence in quantum key distribution. Physical Review A, 2019, 99, .	1.0	27

#	Article	IF	Citations
1171	Anonymity for Practical Quantum Networks. Physical Review Letters, 2019, 122, 240501.	2.9	32
1172	Quantum repeaters based on two species trapped ions. New Journal of Physics, 2019, 21, 073002.	1.2	14
1173	Efficient quantum key distribution based on hybrid degrees of freedom. Laser Physics, 2019, 29, 085201.	0.6	3
1174	Quantum Identity Authentication in the Counterfactual Quantum Key Distribution Protocol. Entropy, 2019, 21, 518.	1.1	12
1175	Continuous-variable QKD over 50 km commercial fiber. Quantum Science and Technology, 2019, 4, 035006.	2.6	141
1176	Framework for covert and secret key expansion over classical-quantum channels. Physical Review A, 2019, 99, .	1.0	14
1177	Quantum error rejection for faithful quantum communication over noise channels. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	2.0	12
1178	Satellite-mediated quantum atmospheric links. Physical Review A, 2019, 99, .	1.0	48
1179	Near-term quantum-repeater experiments with nitrogen-vacancy centers: Overcoming the limitations of direct transmission. Physical Review A, 2019, 99, .	1.0	88
1180	Quantum Routing on Single Photons with î-Shaped Channels. International Journal of Theoretical Physics, 2019, 58, 1711-1720.	0.5	1
1181	Security Analysis of Practical Continuous-Variable Quantum Key Distribution Using a Heralded Noiseless Amplifier. International Journal of Theoretical Physics, 2019, 58, 2392-2406.	0.5	3
1182	Sharing of tripartite nonlocality by multiple observers measuring sequentially at one side. Quantum Information Processing, 2019, 18, 1.	1.0	28
1183	Enhancing continuous variable quantum key distribution with a heralded hybrid linear amplifier. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 245303.	0.7	12
1184	Monitoring an untrusted light source with single-photon detectors in measurement-device-independent quantum key distribution. Physical Review A, 2019, 99, .	1.0	6
1185	The resurgence of the linear optics quantum interferometer â€" recent advances & amp; applications. Reviews in Physics, 2019, 4, 100030.	4.4	31
1186	Adjustable round-pulse time delayer for round-robin differential phase-shift quantum key distribution. Optics Communications, 2019, 448, 43-47.	1.0	3
1187	Error correction in quantum cryptography based on artificial neural networks. Quantum Information Processing, 2019, 18, 1.	1.0	45
1188	Quantum e-commerce: a comparative study of possible protocols for online shopping and other tasks related to e-commerce. Quantum Information Processing, 2019, 18, 1.	1.0	10

#	Article	IF	CITATIONS
1189	Photon blockade induced tunable source of one/two photon in a double quantum dot-semiconductor microcavity system. Optik, 2019, 185, 685-691.	1.4	10
1190	6 Gbps real-time optical quantum random number generator based on vacuum fluctuation. Review of Scientific Instruments, 2019, 90, 043105.	0.6	56
1191	Evolutionary Algorithms for the Design of Quantum Protocols. Lecture Notes in Computer Science, 2019, , 220-236.	1.0	7
1192	Interference-modulated photon statistics in whispering-gallery-mode microresonator optomechanics. Physical Review A, 2019, 99, .	1.0	9
1193	Symmetrical clock synchronization with time-correlated photon pairs. Applied Physics Letters, 2019, 114, .	1.5	34
1194	Twin-Field Quantum Key Distribution without Phase Postselection. Physical Review Applied, 2019, 11, .	1.5	169
1195	Plug-and-play unidimensional continuous-variable quantum key distribution. Quantum Information Processing, 2019, 18, 1.	1.0	7
1196	Passive-state preparation in continuous-variable measurement-device-independent quantum key distribution. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 135502.	0.6	13
1197	Continuous-variable quantum key distribution with non-Gaussian quantum catalysis. Physical Review A, 2019, 99, .	1.0	89
1198	Two-way quantum key distribution in a uniformly distributed quantum space via a special mapping and its analytical security proofs. International Journal of Quantum Information, 2019, 17, 1950010.	0.6	0
1199	Security of quantum key distribution with detection-efficiency mismatch in the single-photon case: Tight bounds. Physical Review A, 2019, 99, .	1.0	15
1200	Semi-device-independent quantum money with coherent states. Physical Review A, 2019, 99, .	1.0	14
1201	Characterizing High-Quality High-Dimensional Quantum Key Distribution by State Mapping Between Different Degrees of Freedom. Physical Review Applied, 2019, 11, .	1.5	23
1202	Plug-and-play dual-phase-modulated continuous-variable quantum key distribution with photon subtraction. Frontiers of Physics, 2019, 14, 1.	2.4	20
1203	High speed continuous variable source-independent quantum random number generation. Quantum Science and Technology, 2019, 4, 025013.	2.6	40
1204	Long-distance measurement-device–independent quantum secure direct communication. Europhysics Letters, 2019, 125, 40004.	0.7	61
1205	Quantum-dot single-photon source on a CMOS silicon photonic chip integrated using transfer printing. APL Photonics, 2019, 4, 036105.	3.0	48
1206	Steady-state entanglement and coherence of two coupled qubits in equilibrium and nonequilibrium environments. Physical Review A, 2019, 99, .	1.0	33

#	Article	IF	CITATIONS
1207	Improving Eight-State Continuous Variable Quantum Key Distribution by Applying Photon Subtraction. Applied Sciences (Switzerland), 2019, 9, 1333.	1.3	3
1208	Chau–Wang–Wong17 scheme is experimentally more feasible than the six-state scheme. Quantum Information Processing, 2019, 18, 1.	1.0	2
1209	Hybrid quantum repeater for qudits. Physical Review A, 2019, 99, .	1.0	15
1210	Entanglement properties of a measurement-based entanglement distillation experiment. Physical Review A, 2019, 99, .	1.0	1
1211	Continuous-variable measurement-device-independent quantum key distribution using modulated squeezed states and optical amplifiers. Physical Review A, 2019, 99, .	1.0	22
1212	Single-Photon Distillation via a Photonic Parity Measurement Using Cavity QED. Physical Review Letters, 2019, 122, 133603.	2.9	17
1213	Phase Estimation and Compensation for Continuous-Variable Quantum Key Distribution. International Journal of Theoretical Physics, 2019, 58, 1613-1625.	0.5	3
1214	Nanophotonic Advances for Room-Temperature Single-Photon Sources. Springer Series in Optical Sciences, 2019, , 103-178.	0.5	10
1215	Robust High Capability QKD-Based Database Private Query. International Journal of Theoretical Physics, 2019, 58, 391-398.	0.5	6
1216	Facets of bipartite nonlocality sharing by multiple observers via sequential measurements. Physical Review A, 2019, 99, .	1.0	38
1217	Sending-or-not-sending twin-field quantum key distribution in practice. Scientific Reports, 2019, 9, 3080.	1.6	68
1218	Measurement-Device-Independent Twin-Field Quantum Key Distribution. Scientific Reports, 2019, 9, 3045.	1.6	64
1219	Quantum Key Distribution Protocol Optimization. Annalen Der Physik, 2019, 531, 1800334.	0.9	1
1220	Quantum metrology of solid-state single-photon sources using photon-number-resolving detectors. New Journal of Physics, 2019, 21, 035007.	1.2	31
1221	Cryptographic quantum metrology. Physical Review A, 2019, 99, .	1.0	17
1222	Characterising the correlations of prepare-and-measure quantum networks. Npj Quantum Information, 2019, 5, .	2.8	44
1223	Police office model for multi-agent robotic systems. IOP Conference Series: Materials Science and Engineering, 2019, 497, 012036.	0.3	2
1224	Evolution of entanglement in quantum neural network. IOP Conference Series: Materials Science and Engineering, 2019, 618, 012006.	0.3	1

#	Article	IF	CITATIONS
1225	Addressing practical challenges in quantum cryptography., 2019,,.		0
1228	Analysis of Applications Conceived by Object Enhanced Time Petri Nets. , 2019, , .		5
1229	An AlGaAs/GaAs Mechanical Mode-Locked Cavity. , 2019, , .		0
1230	Investigation of Compact SAR L and C band Complementarity for Permafrost Characterization In Arctic Regions. , $2019$ , , .		1
1232	Blended Learning Approach using Virtual Laboratory Applications in Engineering Chemistry. , 2019, , .		0
1233	optimization of Network and Scattering Parameters of Microstrip Structure., 2019,,.		0
1234	Space Debries Decay Estimation Software using Open-Source Libraries. , 2019, , .		0
1235	[RCIS 2019 Introduction Page]., 2019,,.		0
1236	Compromising Speech Privacy under Continuous Masking in Personal Spaces., 2019,,.		2
1237	Lasing of the Rhodamine 6G in the Planar Waveguides Formed from Thin Hybrid Films of the Silica and Titania. , 2019, , .		0
1238	Transformation of Vessel Performance System into Fault-tolerant Syste - Example of Fault Detection on Speed Log. , 2019, , .		2
1240	Failure Analysis of Thermally Stressed Pipelines of Power Plants Operating in the North And Arctic. , 2019, , .		0
1242	Radarsat Constellation Mission for Disaster Management. , 2019, , .		2
1243	Technological aspects of modelling and research of smart grid. , 2019, , .		3
1244	Performance Analysis of Supervised Machine Learning Algorithms to Recognize Human Activity in Ambient Assisted Living Environment., 2019,,.		13
1245	Creating AR models for challenging sizes. , 2019, , .		0
1246	Multi-Mediated Semi-Quantum Key Distribution. , 2019, , .		5
1247	Influence of UV light on the increase of SiNx conductivity toward elucidation of potential induced degradation mechanism. , $2019, \ldots$		1

#	Article	IF	CITATIONS
1248	Cognitive remediation using virtual reality and an electrophysiological marker of attention for promotion of cognition and everyday functioning among people with psychotic disorder: A case study. , 2019, , .		1
1249	Massive Open Online Labs (MOOLs): An Innovative Solution to Achieving SDGs in the Global South. , 2019, , .		8
1250	An Adaptive Parameter Control Scheme of Core Devices in DV-QKD. , 2019, , .		0
1251	Abstract Model of Eavesdropper and Overview on Attacks in Quantum Cryptography Systems. , 2019, , .		0
1252	Analysis and Optimization of CNN-based Super Resolution with Filter Pruning. , 2019, , .		0
1253	Permanent Magnets based Actuator for Microrobots Navigation. , 2019, , .		8
1254	From Classical to Semi-Quantum Secure Communication. , 2019, , .		1
1255	Vulnerability Analysis of Smart Grid under Community Attack Style. , 2019, , .		0
1256	Margin Matters: Towards More Discriminative Deep Neural Network Embeddings for Speaker Recognition. , 2019, , .		68
1257	An Effect on Form Particle Contamination in Biodegradable Transformer Oil., 2019,,.		0
1258	TSSA 2019 Copyright Page., 2019,,.		0
1259	Influence of Flashover Initiation Process on Surface Insulation Performance for Insulators under Impulse Voltage in Vacuum., 2019,,.		0
1260	Four-State Modulation in Middle of a Quantum Channel for Continuous-Variable Quantum Key Distribution Protocol with Noiseless Linear Amplifier < sup>* < /sup>. Chinese Physics Letters, 2019, 36, 100302.	1.3	3
1261	Beating the repeaterless bound with adaptive measurement-device-independent quantum key distribution. New Journal of Physics, 2019, 21, 113052.	1.2	3
1262	Fading channel estimation for free-space continuous-variable secure quantum communication. New Journal of Physics, 2019, 21, 123036.	1.2	33
1263	Smart Infant Incubator Based On Mega Microcontroller. , 2019, , .		6
1265	An Impedance Based Modeling Towards the Aging Prediction of Lithium-Ion Battery for EV Applications. , 2019, , .		4
1266	Collision Detection Technology in Virtual Interventional Surgery. , 2019, , .		0

#	Article	IF	CITATIONS
1267	Conference key agreement with single-photon interference. New Journal of Physics, 2019, 21, 123002.	1.2	46
1268	Learning Rol Transformer for Oriented Object Detection in Aerial Images. , 2019, , .		615
1269	The Application of FANP and BOCR in O2O Service Model for Sports-Product Retailers. , 2019, , .		0
1270	Effect of MRC Diversity on Outage Probability in Mobile Networks. , 2019, , .		8
1271	Relational Action Forecasting. , 2019, , .		50
1272	Multifunctional GNSS-R Processing Software FOR GNOS II. , 2019, , .		0
1273	Shape2Motion: Joint Analysis of Motion Parts and Attributes From 3D Shapes. , 2019, , .		54
1274	Detection of Raised Radioactivity in The Atmospheric Emission from The Siberian Chemical Combine. , 2019, , .		1
1275	Using Adaboost and Stochastic gradient descent (SGD) Algorithms with R and Orange Software for Filtering E-mail Spam. , 2019, , .		13
1276	Survey on quantum information security. China Communications, 2019, 16, 1-36.	2.0	39
1277	Nonreciprocal photon blockade in a two-mode cavity with a second-order nonlinearity. Physical Review A, 2019, $100$ , .	1.0	44
1278	Perturbative countersurveillance metaoptics with compound nanosieves. Light: Science and Applications, 2019, 8, 101.	7.7	46
1279	Security of quantum secure direct communication based on Wyner's wiretap channel theory. Quantum Engineering, 2019, 1, e26.	1.2	66
1280	The squashed entanglement of the noiseless quantum Gaussian attenuator and amplifier. Journal of Mathematical Physics, 2019, 60, 112201.	0.5	3
1281	Practical Long-Distance Side-Channel-Free Quantum Key Distribution. Physical Review Applied, 2019, 12, .	1.5	19
1282	Unidimensional Continuous-Variable Quantum Key Distribution with Untrusted Detection under Realistic Conditions. Entropy, $2019, 21, 1100$ .	1.1	5
1283	Laser-seeding Attack in Quantum Key Distribution. Physical Review Applied, 2019, 12, .	1.5	56
1284	Antibunching effect of photons in a two-level emitter-cavity system. Physical Review A, 2019, 100, .	1.0	23

#	Article	IF	CITATIONS
1285	Perfect secrecy cryptography via mixing of chaotic waves in irreversible time-varying silicon chips. Nature Communications, 2019, 10, 5827.	5.8	26
1286	Large-alphabet quantum key distribution using spatially encoded light. New Journal of Physics, 2019, 21, 123044.	1.2	6
1287	Asymptotic Security Analysis of Discrete-Modulated Continuous-Variable Quantum Key Distribution. Physical Review $X,2019,9,.$	2.8	64
1288	Demonstration of a 6 state-4 state reference frame independent channel for quantum key distribution. Applied Physics Letters, 2019, 115, 211103.	1.5	14
1289	Witnessing Quantum Resource Conversion within Deterministic Quantum Computation Using One Pure Superconducting Qubit. Physical Review Letters, 2019, 123, 220501.	2.9	15
1290	Long-distance device-independent quantum key distribution. Scientific Reports, 2019, 9, 17749.	1.6	15
1291	Sending-or-not-sending twin-field protocol for quantum key distribution with asymmetric source parameters. Physical Review A, 2019, 100, .	1.0	37
1292	Modeling Alignment Error in Quantum Key Distribution Based on a Weak Coherent Source. Physical Review Applied, 2019, 12, .	1.5	10
1293	Performance Improvement of Underwater Continuous-Variable Quantum Key Distribution via Photon Subtraction. Entropy, 2019, 21, 1011.	1.1	11
1294	Asymmetric twin-field quantum key distribution. New Journal of Physics, 2019, 21, 113032.	1.2	30
1295	The Multi-stage Protocol. Signals and Communication Technology, 2019, , 105-118.	0.4	0
1296	Real-time compensation of single photons polarization state drift based on genetic algorithm. Indian Journal of Physics, 2019, 93, 251-255.	0.9	0
1297	Towards quantum communication from global navigation satellite system. Quantum Science and Technology, 2019, 4, 015012.	2.6	46
1298	Experimental demonstration of the DPTS QKD protocol over a 170 km fiber link. Applied Physics Letters, 2019, 114, .	1.5	10
1299	Emerging data encryption methods applicable to Energy Internet. , 2019, , 181-199.		3
1300	Optical Mobile Communications: Principles, Implementation, and Performance Analysis. IEEE Transactions on Vehicular Technology, 2019, 68, 471-482.	3.9	23
1301	Quantum identity authentication without entanglement. Quantum Information Processing, 2019, 18, 1.	1.0	44
1302	Quantum Search Algorithms for Wireless Communications. IEEE Communications Surveys and Tutorials, 2019, 21, 1209-1242.	24.8	74

#	Article	IF	CITATIONS
1303	Authentication protocol based on collective quantum steering. Physical Review A, 2019, 99, .	1.0	8
1304	Phase self-aligned continuous-variable measurement-device-independent quantum key distribution. Scientific Reports, 2019, 9, 49.	1.6	16
1305	Satellite-Based Continuous-Variable Quantum Communications: State-of-the-Art and a Predictive Outlook. IEEE Communications Surveys and Tutorials, 2019, 21, 881-919.	24.8	107
1306	Quantum communication protocols as a benchmark for programmable quantum computers. Quantum Information Processing, 2019, 18, 1.	1.0	13
1307	Implementing the decoy state protocol in a practically oriented Quantum Key Distribution system-level model. Journal of Defense Modeling and Simulation, 2019, 16, 27-44.	1.2	5
1308	Modeling quantum optics for quantum key distribution system simulation. Journal of Defense Modeling and Simulation, 2019, 16, 15-26.	1.2	2
1309	A model to estimate performance of space-based quantum communication protocols including quantum key distribution systems. Journal of Defense Modeling and Simulation, 2019, 16, 5-13.	1.2	3
1310	A module-based simulation framework to facilitate the modeling of Quantum Key Distribution system post-processing functionalities. Journal of Defense Modeling and Simulation, 2019, 16, 45-56.	1.2	O
1311	Thinâ€Filmâ€Based Integrated Highâ€Transitionâ€Temperature Superconductor Devices. Advanced Functional Materials, 2020, 30, 1807379.	7.8	6
1312	Assessing Feasibility of Secure Quantum Communications Involving Underwater Assets. IEEE Journal of Oceanic Engineering, 2020, 45, 1138-1147.	2.1	11
1313	Anti-correlated phonons with two-mode Gaussian squeezed state. Physica Scripta, 2020, 95, 025102.	1.2	1
1314	Controlled quantum dialogue scheme based on different unspecific two-particle entangled state. Modern Physics Letters A, 2020, 35, 1950351.	0.5	3
1315	Composable security against collective attacks of a modified BB84 QKD protocol with information only in one basis. Theoretical Computer Science, 2020, 801, 96-109.	0.5	12
1316	Device-independent quantum secure direct communication against collective attacks. Science Bulletin, 2020, 65, 12-20.	4.3	198
1317	Performance improvement of unidimensional continuous-variable quantum key distribution using heralded hybrid linear amplifier. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126074.	0.9	2
1318	Unidimensional continuous-variable quantum key distribution with discrete modulation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126061.	0.9	8
1319	R&D advances for quantum communication systems. , 2020, , 495-563.		1
1320	Reference-frame-independent quantum key distribution with an untrusted source*. Chinese Physics B, 2020, 29, 030303.	0.7	6

#	Article	IF	CITATIONS
1321	Unidimensional continuous-variable measurement-device-independent quantum key distribution. Quantum Information Processing, 2020, 19, 1.	1.0	11
1322	Changing Fock matrix elements of two-mode squeezed vacuum state by employing three conditional operations in one-sided lossy channel. Physica Scripta, 2020, 95, 045101.	1.2	5
1323	A Novel Approach to Quality-of-Service Provisioning in Trusted Relay Quantum Key Distribution Networks. IEEE/ACM Transactions on Networking, 2020, 28, 168-181.	2.6	32
1324	Single-photon emitters in hexagonal boron nitride: a review of progress. Reports on Progress in Physics, 2020, 83, 044501.	8.1	104
1325	Experimentally Verified Approach to Nonentanglement-Breaking Channel Certification. Physical Review Letters, 2020, 124, 010502.	2.9	8
1326	Performance analysis of physical-layer security in ISK quantum-noise randomized cipher based on wiretap channel. Optics Communications, 2020, 461, 125151.	1.0	5
1327	Remotely Gated InGaAs Single-Photon Detector at 1550 nm. IEEE Photonics Technology Letters, 2020, 32, 129-131.	1.3	1
1328	Implementation of quantum repeater scheme based on non-identical quantum memories. Photonic Network Communications, 2020, 39, 39-46.	1.4	2
1329	Unidimensional continuous-variable quantum key distribution with noisy source. Quantum Information Processing, 2020, 19, 1.	1.0	5
1330	Improving Continuous-Variable Quantum Key Distribution in a Turbulent Atmospheric Channel via Photon Subtraction. International Journal of Theoretical Physics, 2020, 59, 338-349.	0.5	1
1331	Recent Progress in Low-Loss Hollow-Core Anti-Resonant Fibers and Their Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-12.	1.9	87
1332	Open-Destination Measurement-Device-Independent Quantum Key Distribution Network. Entropy, 2020, 22, 1083.	1.1	4
1333	Demonstration of Software Defined Network Services Utilizing Quantum Key Distribution Fully Integrated with Standard Telecommunication Network. Quantum Reports, 2020, 2, 453-458.	0.6	9
1334	A game-theoretic security framework for quantum cryptography: Performance analysis and application. Quantum Information Processing, 2020, 19, 1.	1.0	0
1335	Multimatrix rate-compatible reconciliation for quantum key distribution. Physical Review A, 2020, 102,	1.0	3
1336	Finite Key Analysis of the Extended B92 Protocol. , 2020, , .		2
1337	Continuous-variable quantum key distribution under strong channel polarization disturbance. Physical Review A, 2020, 102, .	1.0	19
1338	Entropy Accumulation. Communications in Mathematical Physics, 2020, 379, 867-913.	1.0	45

#	Article	IF	Citations
1339	Continuous-variable measurement-device-independent quantum key distribution via quantum catalysis. Quantum Information Processing, 2020, 19, 1.	1.0	18
1340	Effective Control of Photon Statistics from Electroluminescence by Fano-like Interference Effect. Journal of Physical Chemistry Letters, 2020, 11, 8721-8726.	2.1	6
1341	Continuous variable B92 quantum key distribution protocol using single photon added and subtracted coherent states. Quantum Information Processing, 2020, 19, 1.	1.0	20
1342	A universal simulating framework for quantum key distribution systems. Science China Information Sciences, 2020, 63, 1.	2.7	9
1343	Continuous-variable quantum key distribution with non-Gaussian operations. Physical Review A, 2020, 102, .	1.0	48
1344	Performance improvement of plug-and-play dual-phase-modulated continuous-variable quantum key distribution with quantum catalysis. Quantum Information Processing, 2020, 19, 1.	1.0	5
1345	Practical Security Bounds against Trojan Horse Attacks in Continuous-Variable Quantum Key Distribution. Applied Sciences (Switzerland), 2020, 10, 7788.	1.3	6
1347	Impact of imperfect homodyne detection on measurements of vacuum states shot noise. Optical and Quantum Electronics, 2020, 52, 1.	1.5	13
1348	Hollow core optical fibres with comparable attenuation to silica fibres between 600 and 1100 nm. Nature Communications, 2020, 11, 6030.	5.8	105
1349	The Strategy of Beating the Intermediate Basis Attack in Quantum Communication Networks. , 2020, , .		0
1350	Optimization of multiplexed single-photon sources operated with photon-number-resolving detectors. Physical Review A, 2020, 102, .	1.0	6
1351	An entanglement-based quantum network based on symmetric dispersive optics quantum key distribution. APL Photonics, 2020, 5, .	3.0	25
1352	Rating the performance of noisy teleportation using fluctuations in fidelity. Physical Review A, 2020, 102, .	1.0	5
1353	qkdSim, a Simulation Toolkit for Quantum Key Distribution Including Imperfections: Performance Analysis and Demonstration of the B92 Protocol Using Heralded Photons. Physical Review Applied, 2020, 14, .	1.5	13
1354	Attacking quantum key distribution by light injection via ventilation openings. PLoS ONE, 2020, 15, e0236630.	1.1	7
1355	Security of practical quantum key distribution with weak-randomness basis selection. Physical Review A, 2020, 102, .	1.0	3
1356	Satellite quantum repeaters for a quantum Internet. Quantum Engineering, 2020, 2, e55.	1.2	19
1357	Towards the standardization of quantum state verification using optimal strategies. Npj Quantum Information, 2020, 6, .	2.8	15

#	Article	IF	CITATIONS
1358	A trusted node–free eight-user metropolitan quantum communication network. Science Advances, 2020, 6, .	4.7	148
1359	Towards practical security of continuous-variable quantum key distribution. Physical Review A, 2020, 102, .	1.0	10
1360	Feasibility assessment for practical continuous variable quantum key distribution over the satelliteâ€toâ€Earth channel. Quantum Engineering, 2020, 2, e50.	1.2	26
1361	A Two-way QKD Protocol Outperforming One-way Protocols at Low QBER. , 2020, , .		4
1362	Toward Undetectable Quantum Key Distribution Over Bosonic Channels. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 585-598.	1.9	5
1363	Teleportation with Mixing State from Two Bell States Due to Qubit Confusion. International Journal of Theoretical Physics, 2020, 59, 3249-3255.	0.5	3
1364	Testing Randomness Using Artificial Neural Network. IEEE Access, 2020, 8, 163685-163693.	2.6	11
1365	Role of anti-squeezing noise in continuous-variable quantum cryptography. , 2020, , .		0
1366	Performance Improvement of Discretely Modulated Continuous-Variable Quantum Key Distribution with Untrusted Source via Heralded Hybrid Linear Amplifier. Entropy, 2020, 22, 882.	1.1	0
1368	Comprehensive high-speed reconciliation for continuous-variable quantum key distribution. Quantum Information Processing, 2020, $19,1.$	1.0	13
1369	Single-state semi-quantum key distribution protocol and its security proof. International Journal of Quantum Information, 2020, 18, 2050013.	0.6	7
1370	Adaptive quantum state estimation for dynamic quantum states. Physical Review A, 2020, 102, .	1.0	2
1371	Trojan Horse Attacks, Decoy State Method, and Side Channels of Information Leakage in Quantum Cryptography. Journal of Experimental and Theoretical Physics, 2020, 130, 809-832.	0.2	8
1372	Authenticated QKD Protocol Based on Single-Photon Interference. IEEE Access, 2020, 8, 135357-135370.	2.6	1
1373	Continuous-variable measurement-device-independent quantum key distribution with source-intensity errors. Physical Review A, 2020, 102, .	1.0	3
1374	Dissipative dynamics of quantum states in the fiber channel. Physical Review A, 2020, 102, .	1.0	7
1375	Impact of Four-Wave-Mixing Noise from Dense Wavelength-Division-Multiplexing Systems on Entangled-State Continuous-Variable Quantum key Distribution. Physical Review Applied, 2020, 14, .	1.5	8
1376	Quantum Discrimination of Noisy Photon-Added Coherent States. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 469-479.	1.9	13

#	Article	IF	CITATIONS
1377	Secret-Key Distillation across a Quantum Wiretap Channel under Restricted Eavesdropping. Physical Review Applied, 2020, 14, .	1.5	13
1378	System analysis of Si-photonic receivers for differential phase shift quantum key distribution protocols., 2020,,.		0
1379	Entangled N-photon states for fair and optimal social decision making. Scientific Reports, 2020, 10, 20420.	1.6	10
1380	Genuine Network Multipartite Entanglement. Physical Review Letters, 2020, 125, 240505.	2.9	53
1381	How efficient is transport of quantum cargo through multiple highways?. Annals of Physics, 2020, 422, 168281.	1.0	5
1382	The Influence of Signal Polarization on Quantum Bit Error Rate for Subcarrier Wave Quantum Key Distribution Protocol. Entropy, 2020, 22, 1393.	1.1	1
1383	High Efficiency Continuous-Variable Quantum Key Distribution Based on Quasi-Cyclic LDPC Codes. , 2020, , .		1
1384	Development of quantum communications. Quantum Electronics, 2020, 50, 425-425.	0.3	0
1385	Single- and two-photon interference within the simulated photon wave function in coordinate representation. Journal of Physics: Conference Series, 2020, 1679, 022051.	0.3	1
1386	Loss-tolerant quantum key distribution with mixed signal states. Physical Review A, 2020, 102, .	1.0	7
1387	Trusted Detector Noise Analysis for Discrete Modulation Schemes of Continuous-Variable Quantum Key Distribution. Physical Review Applied, 2020, 14, .	1.5	16
1388	High Efficiency Continuous-Variable Quantum Key Distribution Based on ATSC 3.0 LDPC Codes. Entropy, 2020, 22, 1087.	1.1	7
1389	High-Dimensional Semiquantum Cryptography. IEEE Transactions on Quantum Engineering, 2020, 1, 1-17.	2.9	15
1390	Extending Quantum Links: Modules for Fiber―and Memoryâ€Based Quantum Repeaters. Advanced Quantum Technologies, 2020, 3, 1900141.	1.8	43
1391	Reconfigurable Photon Sources Based on Quantum Plexcitonic Systems. Nano Letters, 2020, 20, 4645-4652.	4.5	16
1392	On-chip enhanced electro-optic Kerr effect for manipulation of optical orbital angular momentum modes. Journal of Optics (United Kingdom), 2020, 22, 075801.	1.0	2
1393	Resource state structure for controlled quantum key distribution. European Physical Journal D, 2020, 74, 1.	0.6	3
1394	Asymmetric twin-field quantum key distribution with both statistical and intensity fluctuations. Communications in Theoretical Physics, 2020, 72, 065103.	1.1	5

#	Article	IF	Citations
1395	Reversible Computation: Extending Horizons of Computing. Lecture Notes in Computer Science, 2020, , .	1.0	9
1396	Sending-or-not-sending twin-field quantum key distribution: Breaking the direct transmission key rate. Physical Review A, 2020, 101, .	1.0	61
1397	Near-Degenerate Quadrature-Squeezed Vacuum Generation on a Silicon-Nitride Chip. Physical Review Letters, 2020, 124, 193601.	2.9	87
1398	Optimizing Single-Photon Avalanche Photodiodes for Dynamic Quantum Key Distribution Networks. Physical Review Applied, 2020, 13, .	1.5	20
1399	Finite-key security analysis of the 1-decoy state QKD protocol with a leaky intensity modulator. Quantum Information Processing, 2020, 19, 1.	1.0	0
1400	Experimental Passive-State Preparation for Continuous-Variable Quantum Communications. Physical Review Applied, 2020, $13,\ldots$	1.5	24
1401	Noisy Preprocessing Facilitates a Photonic Realization of Device-Independent Quantum Key Distribution. Physical Review Letters, 2020, 124, 230502.	2.9	32
1402	Entanglement-based secure quantum cryptography over 1,120 kilometres. Nature, 2020, 582, 501-505.	13.7	350
1403	Subcarrier wave continuous variable quantum key distribution with discrete modulation: mathematical model and finite-key analysis. Scientific Reports, 2020, 10, 10034.	1.6	21
1404	Hybrid linear amplifier-involved detection for continuous variable quantum key distribution with thermal states*. Chinese Physics B, 2020, 29, 050309.	0.7	11
1405	Finite-size effects in continuous-variable quantum key distribution with Gaussian postselection. Physical Review A, 2020, 101, .	1.0	6
1406	Heralded Interaction Control between Quantum Systems. Physical Review Letters, 2020, 124, 223602.	2.9	4
1407	High-Speed Post-Processing in Continuous-Variable Quantum Key Distribution Based on FPGA Implementation. Journal of Lightwave Technology, 2020, 38, 3935-3941.	2.7	27
1408	Unified approach to witness non-entanglement-breaking quantum channels. Physical Review A, 2020, 101, .	1.0	2
1409	Squeezing-enhanced quantum key distribution over atmospheric channels. New Journal of Physics, 2020, 22, 053006.	1.2	22
1410	Quantum certification and benchmarking. Nature Reviews Physics, 2020, 2, 382-390.	11.9	162
1411	Clifford-group-restricted eavesdroppers in quantum key distribution. Physical Review A, 2020, 101, .	1.0	1
1412	Asymptotic security analysis of teleportation-based quantum cryptography. Quantum Information Processing, 2020, 19, 1.	1.0	4

#	Article	IF	CITATIONS
1413	Optimal approximations of available states and a triple uncertainty relation. Physical Review A, 2020, $101$ , .	1.0	4
1414	A Gaussian-Distributed Quantum Random Number Generator Using Vacuum Shot Noise. Entropy, 2020, 22, 618.	1.1	9
1415	A Natural Interaction Method of Multi-Sensory Channels for Virtual Assembly System of Power Transformer Control Cabinet. IEEE Access, 2020, 8, 54699-54709.	2.6	10
1416	Single-Photon Emission from Point Defects in Aluminum Nitride Films. Journal of Physical Chemistry Letters, 2020, 11, 2689-2694.	2.1	35
1417	Quantum steering. Reviews of Modern Physics, 2020, 92, .	16.4	315
1418	Functionalization of GaN Nanowire Sensors With Metal Oxides: An Experimental and DFT Investigation. IEEE Sensors Journal, 2020, 20, 7138-7147.	2.4	16
1419	On-the-Fly Privacy for Location Histograms. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 566-578.	3.7	4
1420	Quantum soft filtering for the improved security analysis of the coherent one-way quantum-key-distribution protocol. Physical Review A, 2020, 101, .	1.0	21
1421	Tools for the performance optimization of single-photon quantum key distribution. Npj Quantum Information, 2020, 6, .	2.8	40
1422	Quantum Communications in Future Networks and Services. Quantum Reports, 2020, 2, 221-232.	0.6	41
1423	A self-calibration method of microbolometer with vacuum package. IEEE Sensors Journal, 2020, , 1-1.	2.4	3
1424	Fundamental limits on key rates in device-independent quantum key distribution. New Journal of Physics, 2020, 22, 023039.	1.2	36
1425	High-dimensional quantum key distribution based on mutually partially unbiased bases. Physical Review A, 2020, 101, .	1.0	15
1426	A Simple Theory and New Method of Differential Beamforming With Uniform Linear Microphone Arrays. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 1079-1093.	4.0	50
1427	Routing and Wavelength Allocation in Spatial Division Multiplexing Based Quantum Key Distribution Optical Networks. , 2020, , .		3
1428	A Simple Method of Protection against a Detector Mismatch Attack in Quantum Cryptography: The BB84 Protocol. Journal of Experimental and Theoretical Physics, 2020, 130, 161-169.	0.2	3
1429	QUARC: Quantum Research Cubesat—A Constellation for Quantum Communication. Cryptography, 2020, 4, 7.	1.4	46
1430	Simultaneous measurement-device-independent continuous variable quantum key distribution with realistic detector compensation. Frontiers of Physics, 2020, 15, 1.	2.4	16

#	Article	IF	CITATIONS
1431	Tree-topology-based quantum-key-relay strategy for secure multicast services. Journal of Optical Communications and Networking, 2020, 12, 120.	3.3	14
1432	Efficient decoy states for the reference-frame-independent measurement-device-independent quantum key distribution. Physical Review A, 2020, 101, .	1.0	23
1433	Optimization and Implementation of Efficient and Universal Quantum Key Distribution. Journal of Electrical and Computer Engineering, 2020, 2020, 1-9.	0.6	2
1434	Key-Recycling Strategies in Quantum-Key-Distribution Networks. Applied Sciences (Switzerland), 2020, 10, 3734.	1.3	7
1435	One-Way Quantum Repeater Based on Near-Deterministic Photon-Emitter Interfaces. Physical Review X, 2020, 10, .	2.8	61
1436	Photonics based perfect secrecy cryptography: Toward fully classical implementations. Applied Physics Letters, 2020, 116, .	1.5	4
1437	Lightweight authenticated semi-quantum key distribution protocol without trojan horse attack. Laser Physics Letters, 2020, 17, 075202.	0.6	9
1438	Metalens-array–based high-dimensional and multiphoton quantum source. Science, 2020, 368, 1487-1490.	6.0	239
1439	Quantum catalysis-assisted attenuation for improving free-space continuous-variable quantum key distribution. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 185501.	0.6	12
1440	Quantum key distribution with single-particle and Bell state. Optical and Quantum Electronics, 2020, 52, 1.	1.5	4
1441	Performance evaluation and security analysis of groundâ€toâ€satellite FSO system with CVâ€QKD protocol. IET Communications, 2020, 14, 1534-1542.	1.5	5
1442	Advantage Distillation for Device-Independent Quantum Key Distribution. Physical Review Letters, 2020, 124, 020502.	2.9	37
1443	Semi-quantum cryptography. Quantum Information Processing, 2020, 19, 1.	1.0	41
1444	Experimental demonstration of intensity-modulation/direct-detection secret key distribution. Japanese Journal of Applied Physics, 2020, 59, 022003.	0.8	6
1445	Quantum Random Number Generation. Quantum Science and Technology, 2020, , .	1.5	10
1446	Secure Quantum Network Coding Theory. , 2020, , .		4
1447	Hong and Mandel fourth-order squeezing generated by the beam splitter with third-order nonlinearity from the coherent light. Optical and Quantum Electronics, 2020, 52, 1.	1.5	7
1448	Construction of genuine multipartite entangled states. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 125302.	0.7	10

#	Article	IF	CITATIONS
1449	One-Time Shot-Noise Unit Calibration Method for Continuous-Variable Quantum Key Distribution. Physical Review Applied, 2020, $13$ , .	1.5	22
1450	Quantum Fingerprinting Over AWGN Channels With Power-Limited Optical Signals. IEEE Journal on Selected Areas in Communications, 2020, 38, 496-505.	9.7	2
1451	Passive continuous-variable quantum secret sharing using a thermal source. Physical Review A, 2020, 101, .	1.0	39
1452	Sending-or-Not-Sending with Independent Lasers: Secure Twin-Field Quantum Key Distribution over 509Âkm. Physical Review Letters, 2020, 124, 070501.	2.9	244
1453	Sending-or-Not-Sending Twin-Field Quantum Key Distribution with Light Source Monitoring. Entropy, 2020, 22, 36.	1.1	8
1454	Multimode Time-Delay Interferometer for Free-Space Quantum Communication. Physical Review Applied, 2020, 13, .	1.5	11
1455	RaSEC: An Intelligent Framework for Reliable and Secure Multi-Level Edge Computing in Industrial Environments. IEEE Transactions on Industry Applications, 2020, , 1-1.	3.3	12
1456	Blind information reconciliation with variable step sizes for quantum key distribution. Scientific Reports, 2020, 10, 171.	1.6	8
1457	Distributed ISAR Imaging of Rotating Target Based on Homotopy L1LO Method. IEEE Sensors Journal, 2020, 20, 5452-5464.	2.4	6
1458	Quantum catalysis-based discrete modulation continuous variable quantum key distribution with eight states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126340.	0.9	9
1459	Magnetically controllable photon blockade under a weak quantum-dot–cavity coupling condition. Physical Review A, 2020, 101, .	1.0	12
1460	Generation of hybrid maximally entangled states in a one-dimensional quantum walk. Quantum Science and Technology, 2020, 5, 025002.	2.6	18
1461	Reconciliation for CV-QKD using globally-coupled LDPC codes*. Chinese Physics B, 2020, 29, 040301.	0.7	5
1462	Beating direct transmission bounds for quantum key distribution with a multiple quantum memory station. Physical Review A, 2020, 101, .	1.0	6
1463	Multi-Tenant Provisioning for Quantum Key Distribution Networks With Heuristics and Reinforcement Learning: A Comparative Study. IEEE Transactions on Network and Service Management, 2020, 17, 946-957.	3.2	31
1464	Long-Distance Continuous-Variable Quantum Key Distribution With Quantum Scissors. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-12.	1.9	32
1465	Quantum Key Distribution with Onâ€Chip Dissipative Kerr Soliton. Laser and Photonics Reviews, 2020, 14, 1900190.	4.4	44
1466	Tripartite Layered Quantum Key Distribution Scheme with a Symmetrical Key Structure. International Journal of Theoretical Physics, 2020, 59, 562-573.	0.5	3

#	Article	IF	CITATIONS
1467	Thermal states quantum cryptography with linear optics cloning machine. Quantum Information Processing, 2020, $19,1.$	1.0	2
1468	Unidimensional Continuous-variable Quantum Key Distribution Based on Basis-encoding Coherent States Protocol. International Journal of Theoretical Physics, 2020, 59, 1730-1741.	0.5	1
1469	Blind channel estimation for continuousâ€variable quantum key distribution. Quantum Engineering, 2020, 2, e37.	1.2	32
1470	Coherence Dynamics of Two Interacting Bosonic Modes in a Thermal Environment. EPJ Web of Conferences, 2020, 226, 01006.	0.1	0
1471	Theoretical framework for physical unclonable functions, including quantum readout. Physical Review A, 2020, 101, .	1.0	13
1472	Telecommunication Compatibility Evaluation for Co-existing Quantum Key Distribution in Homogenous Multicore Fiber. IEEE Access, 2020, 8, 78836-78846.	2.6	8
1473	A Phase Fluctuation Based Practical Quantum Random Number Generator Scheme with Delay-Free Structure. Applied Sciences (Switzerland), 2020, 10, 2431.	1.3	16
1474	Impossibility of masking a set of quantum states of nonzero measure. Physical Review A, 2020, 101, .	1.0	12
1475	Terahertz Quantum Cryptography. IEEE Journal on Selected Areas in Communications, 2020, 38, 483-495.	9.7	30
1476	Photon Blockade in the Anisotropic Quantum Rabi Model with Biased Term. International Journal of Theoretical Physics, 2020, 59, 1897-1904.	0.5	0
1477	Simple analysis of security of the BB84 quantum key distribution protocol. Quantum Information Processing, 2020, 19, 1.	1.0	9
1478	The performance of three-intensity decoy-state measurement-device-independent quantum key distribution. Quantum Information Processing, 2020, 19, 1.	1.0	3
1479	Improved quantum de Finetti theorem and its application in quantum key distribution. Physical Review A, 2020, 101, .	1.0	0
1480	Secure 100 Gb/s IMDD Transmission Over 100 km SSMF Enabled by Quantum Noise Stream Cipher and Sparse RLS-Volterra Equalizer. IEEE Access, 2020, 8, 63585-63594.	2.6	14
1481	Measuring the time–frequency properties of photon pairs: A short review. AVS Quantum Science, 2020, 2, .	1.8	10
1482	Continuous-variable source-device-independent quantum key distribution against general attacks. Scientific Reports, 2020, 10, 6673.	1.6	5
1483	Two Semi-Quantum Key Distribution Protocols with G-Like States. International Journal of Theoretical Physics, 2020, 59, 1884-1896.	0.5	6
1484	Lowâ€power compact tunable quenching configuration for minimizing afterpulsing in singleâ€photon avalanche diodes. International Journal of Circuit Theory and Applications, 2020, 48, 1534-1543.	1.3	7

#	Article	IF	CITATIONS
1485	Lightweight Authentication for Quantum Key Distribution. IEEE Transactions on Information Theory, 2020, 66, 6354-6368.	1.5	16
1486	Laser-based double photoemission spectroscopy at surfaces. Progress in Surface Science, 2020, 95, 100572.	3.8	11
1487	Quantum secure direct communication based on single-photon Bell-state measurement. New Journal of Physics, 2020, 22, 063017.	1.2	77
1488	Quantum Key Distribution Based on Random Grouping Bell State Measurement. IEEE Communications Letters, 2020, 24, 1496-1499.	2.5	4
1489	The Status of Quantum-Key-Distribution-Based Long-Term Secure Internet Communication. IEEE Transactions on Sustainable Computing, 2021, 6, 19-29.	2.2	20
1490	Recent Advances on Quantum Key Distribution Overcoming the Linear Secret Key Capacity Bound. Advanced Quantum Technologies, 2021, 4, .	1.8	9
1491	ESPQuery: An Enhanced Secure Scheme for Privacy-Preserving Query Based on Untrusted Devices in the Internet of Things. IEEE Internet of Things Journal, 2021, 8, 7229-7240.	5 <b>.</b> 5	1
1492	10 Tbit/s QAM Quantum Noise Stream Cipher Coherent Transmission Over 160 Km. Journal of Lightwave Technology, 2021, 39, 1056-1063.	2.7	18
1493	Blind Information Reconciliation With Polar Codes for Quantum Key Distribution. IEEE Communications Letters, 2021, 25, 79-83.	2.5	8
1494	Continuous variable tripartite entanglement and steering using a third-order nonlinear optical interaction. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 371.	0.9	8
1495	Entropy Bounds for Multiparty Device-Independent Cryptography. PRX Quantum, 2021, 2, .	<b>3.</b> 5	11
1496	Quantum teleportation with imperfect quantum dots. Npj Quantum Information, 2021, 7, .	2.8	30
1497	Composable finite-size effects in free-space continuous-variable quantum-key-distribution systems. Physical Review A, 2021, 103, .	1.0	16
1498	Feasibility of satellite-to-ground continuous-variable quantum key distribution. Npj Quantum Information, 2021, 7, .	2.8	58
1499	Wavelength attack on atmospheric continuous-variable quantum key distribution. Physical Review A, 2021, 103, .	1.0	6
1500	Temporal Filtering Characteristics of gated InGaAs/InP single-photon detectors for Coincidence Measurement. Wuli Xuebao/Acta Physica Sinica, 2021, .	0.2	1
1501	Qutrit-based semi-quantum key distribution protocol. Quantum Information Processing, 2021, 20, 1.	1.0	17
1502	How Secure Are Two-Way Ping-Pong and LM05 QKD Protocols under a Man-in-the-Middle Attack?. Entropy, 2021, 23, 163.	1.1	4

#	Article	IF	CITATIONS
1503	Survey of the Development of Quantum Cryptography and Its Applications., 2021,,.		5
1504	Basics of quantum communication. , 2021, , 1-36.		1
1505	Security of the decoy state method for quantum key distribution. Physics-Uspekhi, 2021, 64, 88-102.	0.8	17
1506	Quantum Internetâ€"Applications, Functionalities, Enabling Technologies, Challenges, and Research Directions. IEEE Communications Surveys and Tutorials, 2021, 23, 2218-2247.	24.8	41
1507	Terra quantum at MIPT-QUANT 2020. AIP Conference Proceedings, 2021, , .	0.3	0
1508	Quantum Hacking on an Integrated Continuous-Variable Quantum Key Distribution System via Power Analysis. Entropy, 2021, 23, 176.	1.1	2
1509	Quantum-randomized polarization of laser pulses derived from zero-point diamond motion. Optics Express, 2021, 29, 894.	1.7	0
1510	Quantum Key Distribution. , 2021, , 703-784.		0
1511	Measurement-device-independent quantum key distribution with leaky sources. Scientific Reports, 2021, 11, 1678.	1.6	16
1512	Engineering entangled photon pairs with metal–organic frameworks. Chemical Science, 2021, 12, 3475-3482.	3.7	9
1513	Quantum Key Distribution Secured Optical Networks: A Survey. IEEE Open Journal of the Communications Society, 2021, 2, 2049-2083.	4.4	42
1514	Experimental research on disturbance resistant polarization modulation mode for quantum key distribution. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 180302-180302.	0.2	0
1515	Non-Gaussian nature and entanglement of spontaneous parametric nondegenerate triple-photon generation. Physical Review A, 2021, 103, .	1.0	16
1516	Long-Distance Entanglement Purification for Quantum Communication. Physical Review Letters, 2021, 126, 010503.	2.9	129
1517	Asymptotic security of discrete-modulation protocols for continuous-variable quantum key distribution. Physical Review A, 2021, 103, .	1.0	25
1518	Spooky action at a global distance: analysis of space-based entanglement distribution for the quantum internet. Npj Quantum Information, 2021, 7, .	2.8	34
1519	The Study of Synchronization in Quantum Key Distribution System. Communications in Computer and Information Science, 2021, , 68-80.	0.4	1
1520	Performance Analysis of Free-space Quantum Key Distribution Using Multiple Spatial Modes., 2021,,.		0

#	Article	IF	CITATIONS
1522	A demonstration of quantum key distribution with entangled photons for the undergraduate laboratory. American Journal of Physics, 2021, 89, 111-120.	0.3	6
1523	Prefixed-threshold real-time selection for correlated turbulent channel model for quantum key distribution with modulating retro-reflectors. Quantum Information Processing, 2021, 20, 1.	1.0	2
1524	Routing, Core and Wavelength Allocation in Multi-Core-Fiber-Based Quantum-Key-Distribution-Enabled Optical Networks. IEEE Access, 2021, 9, 99842-99852.	2.6	5
1525	Security proof of practical quantum key distribution with detection-efficiency mismatch. Physical Review Research, 2021, 3, .	1.3	21
1526	Bennett-Brassard 1984 quantum key distribution using conjugate homodyne detection. Physical Review A, 2021, 103, .	1.0	11
1527	Quantum photonics based on metasurfaces. Opto-Electronic Advances, 2021, 4, 200092-200092.	6.4	50
1528	Higher key rate of measurement-device-independent quantum key distribution through joint data processing. Physical Review A, 2021, 103, .	1.0	35
1529	Simulation detection based on single photon quantum key distribution protocol. Journal of Physics: Conference Series, 2021, 1812, 012005.	0.3	1
1530	Resource requirements for efficient quantum communication using all-photonic graph states generated from a few matter qubits. Quantum - the Open Journal for Quantum Science, 0, 5, 397.	0.0	27
1531	Efficient Verification of N-GHZ State in Quantum Wireless Network Communication., 2021,,.		0
1532	Frequency correlated photon generation at telecom band using silicon nitride ring cavities. Optics Express, 2021, 29, 4821.	1.7	12
1533	A simple low-latency real-time certifiable quantum random number generator. Nature Communications, 2021, 12, 1056.	5.8	13
1534	Secure quantum key distribution with a subset of malicious devices. Npj Quantum Information, 2021, 7,	2.8	9
1535	Development of Quantum Interconnects (QuICs) for Next-Generation Information Technologies. PRX Quantum, 2021, 2, .	3.5	172
1536	Analysis of the effects of temperature increase on quantum random number generator. European Physical Journal D, 2021, 75, 1.	0.6	5
1537	Tight finite-key security for twin-field quantum key distribution. Npj Quantum Information, 2021, 7, .	2.8	34
1538	Enhancing discrete-modulated continuous-variable measurement-device-independent quantum key distribution via quantum catalysis. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 045501.	0.6	5
1539	Quantum Sensor for Nanoscale Defect Characterization. Physical Review Applied, 2021, 15, .	1.5	6

#	Article	IF	CITATIONS
1540	Quantum Receiver for Phase-Shift Keying at the Single-Photon Level. PRX Quantum, 2021, 2, .	3.5	13
1541	Quantum Secure Multiparty Computation of Phylogenetic Trees of SARS-CoV-2 Genome. , 2021, , .		2
1542	Secret key extraction in direct reconciliation CV-QKD systems. , 2021, , .		2
1544	Driven Qubit by Train of Gaussian-Pulses. Mathematics, 2021, 9, 628.	1.1	2
1545	High-fidelity spatial mode transmission through a 1-km-long multimode fiber via vectorial time reversal. Nature Communications, 2021, 12, 1866.	5.8	27
1546	A Quantum Leap in Microgrids Security: The Prospects of Quantum-Secure Microgrids. IEEE Electrification Magazine, 2021, 9, 66-73.	1.8	17
1547	Quantum key distribution with entangled photons generated on demand by a quantum dot. Science Advances, $2021, 7, .$	4.7	80
1548	Quantum Key Distribution Overcoming Extreme Noise: Simultaneous Subspace Coding Using High-Dimensional Entanglement. Physical Review Applied, 2021, 15, .	1.5	30
1549	An approach for security evaluation and certification of a complete quantum communication system. Scientific Reports, 2021, 11, 5110.	1.6	13
1550	Numerical calculations of the finite key rate for general quantum key distribution protocols. Physical Review Research, 2021, 3, .	1.3	18
1551	An Overview of Information-Theoretic Security and Privacy: Metrics, Limits and Applications. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 5-22.	1.9	56
1552	Passive continuous-variable quantum key distribution using a locally generated local oscillator. Physical Review A, 2021, 103, .	1.0	16
1553	Practical security of a chip-based continuous-variable quantum-key-distribution system. Physical Review A, 2021, 103, .	1.0	10
1554	Role of Bell-CHSH violation and local filtering in quantum key distribution. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 392, 127158.	0.9	6
1555	An Introduction to Practical Quantum Key Distribution. IEEE Aerospace and Electronic Systems Magazine, 2021, 36, 30-55.	2.3	16
1556	Shannon-limit approached information reconciliation for quantum key distribution. Quantum Information Processing, 2021, 20, 1.	1.0	8
1557	Cryptanalysis and improvement in semi-quantum private comparison based on Bell states. Quantum Information Processing, 2021, 20, 1.	1.0	9
1558	Perceiving Quantum Hacking for Quantum Key Distribution Using Temporal Ghost Imaging. Physical Review Applied, 2021, 15, .	1.5	3

#	Article	IF	Citations
1559	Security Analysis of Quantum Key Distribution with Small Block Length and Its Application to Quantum Space Communications. Physical Review Letters, 2021, 126, 100501.	2.9	28
1560	Realization of the unconventional photon blockade based on a three-wave mixing system. Optics Express, 2021, 29, 8235.	1.7	5
1561	Multi-mode Gaussian Modulated Continuous-Variable Measurement-Device-Independent Quantum Key Distribution. International Journal of Theoretical Physics, 2021, 60, 1361-1373.	0.5	0
1562	Nondestructive detection of photonic qubits. Nature, 2021, 591, 570-574.	13.7	30
1563	Phase-Matching Quantum Key Distribution with Discrete Phase Randomization. Entropy, 2021, 23, 508.	1.1	3
1564	Nonclassical Attack on a Quantum Key Distribution System. Entropy, 2021, 23, 509.	1.1	9
1565	Rate compatible reconciliation for continuous-variable quantum key distribution using Raptor-like LDPC codes. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	26
1566	Reference frame independent twin field quantum key distribution with source flaws. Journal of Physics Communications, 2021, 5, 045008.	0.5	3
1567	Quantum secure learning with classical samples. Physical Review A, 2021, 103, .	1.0	4
1568	Out-of-Band Electromagnetic Injection Attack on a Quantum Random Number Generator. Physical Review Applied, 2021, 15, .	1.5	9
1569	Trading off security and practicability to explore high-speed and long-haul chaotic optical communication. Optics Express, 2021, 29, 12750.	1.7	27
1570	Intercept/resend and translucent attacks on the quantum key distribution protocol based on the preand post-selection effect. International Journal of Quantum Information, 0, , 2150010.	0.6	2
1571	Multi-mode plug-and-play dual-phase-modulated continuous-variable quantum key distribution. Quantum Information Processing, 2021, 20, 1.	1.0	2
1572	Quantum cryptography with highly entangled photons from semiconductor quantum dots. Science Advances, 2021, 7, .	4.7	82
1573	Dimension Reduction in Quantum Key Distribution for Continuous- and Discrete-Variable Protocols. PRX Quantum, 2021, 2, .	3.5	20
1574	Device-independent quantum key distribution with random key basis. Nature Communications, 2021, 12, 2880.	5.8	49
1575	Single-shot discrimination of coherent states beyond the standard quantum limit. Optics Letters, 2021, 46, 2565.	1.7	3
1576	Intensity modulator for secure, stable, and high-performance decoy-state quantum key distribution. Npj Quantum Information, 2021, 7, .	2.8	14

#	Article	IF	CITATIONS
1577	Experimental vulnerability analysis of QKD based on attack ratings. Scientific Reports, 2021, 11, 9564.	1.6	3
1578	Parametrized protocol achieving the Heisenberg limit in the optical domain via dispersive atom–light interactions. Results in Physics, 2021, 24, 104159.	2.0	1
1579	Security of quantum-key-distribution protocol by using the post-selection technique. Physics Open, 2021, 7, 100075.	0.7	2
1580	Characterizing the boundary of the set of absolutely separable states and their generation via noisy environments. Physical Review A, 2021, 103, .	1.0	6
1581	Experimental authentication of quantum key distribution with post-quantum cryptography. Npj Quantum Information, 2021, 7, .	2.8	49
1582	Repeated radiation damage and thermal annealing of avalanche photodiodes. EPJ Quantum Technology, 2021, 8, .	2.9	3
1583	Optimal single-shot discrimination of optical modes. Physical Review A, 2021, 103, .	1.0	0
1584	Towards security recommendations for public-key infrastructures for production environments in the post-quantum era. EPJ Quantum Technology, 2021, 8, .	2.9	17
1585	Generalized efficiency mismatch attack to bypass the detection-scrambling countermeasure. Optics Express, 2021, 29, 16073.	1.7	0
1586	Demonstration of high-speed and low-complexity continuous variable quantum key distribution system with local local oscillator. Scientific Reports, 2021, 11, 9454.	1.6	34
1588	Composable security for practical quantum key distribution with two way classical communication. New Journal of Physics, 2021, 23, 063038.	1.2	21
1589	Highly accurate Gaussian process tomography with geometrical sets of coherent states. New Journal of Physics, 2021, 23, 063024.	1.2	1
1590	QKD optical ground terminal developments. , 2021, , .		1
1591	How to choose the best QKD network technology: three different satellite based scenarios compared. , 2021, , .		0
1592	Optimizing the deployment of quantum key distribution switch-based networks. Optics Express, 2021, 29, 24884.	1.7	6
1593	High-Dimensional Quantum Cryptography with Hybrid Orbital-Angular-Momentum States through 25 km of Ring-Core Fiber: A Proof-of-Concept Demonstration. Physical Review Applied, 2021, 15, .	1.5	27
1594	Twin-field quantum key distribution over a 511 km optical fibre linking two distant metropolitan areas. Nature Photonics, 2021, 15, 570-575.	15.6	148
1595	Resource-effective quantum key distribution: a field trial in Padua city center. Optics Letters, 2021, 46, 2848.	1.7	18

#	Article	IF	CITATIONS
1596	Superposition of two-mode squeezed states for quantum information processing and quantum sensing. Physical Review A, 2021, $103$ , .	1.0	16
1597	Full daylight quantum-key-distribution at 1550 nm enabled by integrated silicon photonics. Npj Quantum Information, 2021, 7, .	2.8	54
1598	Detector blinding attacks on counterfactual quantum key distribution. Quantum Information Processing, 2021, 20, 1.	1.0	5
1599	Conference key agreement based on continuous-variable quantum key distribution. Laser Physics Letters, 2021, 18, 075205.	0.6	4
1600	Photon-efficient quantum key distribution using multiqubit time-bin encoding. , 2021, , .		0
1601	Real-time operation of a multi-rate, multi-protocol quantum key distribution transmitter. Optica, 2021, 8, 911.	4.8	16
1602	Field Test of Twin-Field Quantum Key Distribution through Sending-or-Not-Sending over 428Âkm. Physical Review Letters, 2021, 126, 250502.	2.9	73
1603	Quantum Technologies for future Quantum Optical Networks. , 2021, , .		2
1604	Controlling photon–phonon entanglement in a three-mode optomechanical system. European Physical Journal D, 2021, 75, 1.	0.6	1
1606	Performance analysis of free-space quantum key distribution using multiple spatial modes. Optics Express, 2021, 29, 19305.	1.7	6
1607	Tunable photon blockade with a single atom in a cavity under electromagnetically induced transparency. Photonics Research, 2021, 9, 1226.	3.4	11
1608	Quantum information splitting of an arbitrary threeâ€qubit state by using three sets of GHZ states. IET Quantum Communication, 2021, 2, 122-135.	2.2	2
1609	Quantum Repeater Node Demonstrating Unconditionally Secure Key Distribution. Physical Review Letters, 2021, 126, 230506.	2.9	30
1610	Feasibility of quantum key distribution from high altitude platforms. Quantum Science and Technology, 2021, 6, 035009.	2.6	5
1611	Continuous-variable quantum key distribution based on photon addition operation*. Chinese Physics B, 2021, 30, 060304.	0.7	5
1612	Practical decoy-state BB84 quantum key distribution with quantum memory*. Chinese Physics B, 2021, 30, 060305.	0.7	2
1613	Loophole-free plug-and-play quantum key distribution. New Journal of Physics, 2021, 23, 063058.	1.2	6
1614	Multiedge-type low-density parity-check codes for continuous-variable quantum key distribution. Physical Review A, 2021, 103, .	1.0	11

#	Article	IF	CITATIONS
1615	Finite-key analysis of loss-tolerant quantum key distribution based on random sampling theory. Physical Review A, $2021$ , $104$ , .	1.0	7
1616	All optical metropolitan quantum key distribution network with post-quantum cryptography authentication. Optics Express, 2021, 29, 25859.	1.7	16
1617	Key-sifting algorithms for continuous-variable quantum key distribution. Physical Review A, 2021, 104, .	1.0	4
1618	Quantum digital signature based on measurement-device-independent continuous-variable scheme. Quantum Information Processing, 2021, 20, $1$ .	1.0	7
1619	Minimization of information leakage in continuous-variable quantum key distribution. Physical Review A, 2021, 104, .	1.0	1
1620	General theory of quantum fingerprinting network. Physical Review Research, 2021, 3, .	1.3	0
1621	Quantum Keyless Private Communication Versus Quantum Key Distribution for Space Links. Physical Review Applied, $2021, 16, \ldots$	1.5	8
1622	Advances in space quantum communications. IET Quantum Communication, 2021, 2, 182-217.	2.2	91
1623	NetSquid, a NETwork Simulator for QUantum Information using Discrete events. Communications Physics, 2021, 4, .	2.0	67
1624	Fundamental Limits of Bosonic Broadcast Channels. , 2021, , .		3
1625	Generation of quantum states with nonlinear squeezing by Kerr nonlinearity. Optics Express, 2021, 29, 22648.	1.7	6
1626	Secure and practical multiparty quantum digital signatures. Optics Express, 2021, 29, 27661.	1.7	14
1627	Quantum control attack: Towards joint estimation of protocol and hardware loopholes. Physical Review A, 2021, 104, .	1.0	3
1628	StarFL: Hybrid Federated Learning Architecture for Smart Urban Computing. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-23.	2.9	22
1629	Security and communication distance improvement in decoy states based quantum key distribution using pseudo-random bases choice for photon polarization measurement. Optical and Quantum Electronics, 2021, 53, 1.	1.5	1
1630	Integration of colloidal quantum dots with nanophotonic circuits. , 2021, , .		0
1631	Multicarrier Multiplexing Continuous-Variable Quantum Key Distribution at Terahertz Bands Under Indoor Environment and in Inter-Satellite Links Communication. IEEE Photonics Journal, 2021, 13, 1-13.	1.0	10
1632	Information security in the post quantum era for 5G and beyond networks: Threats to existing cryptography, and post-quantum cryptography. Computer Communications, 2021, 176, 99-118.	3.1	37

#	Article	IF	CITATIONS
1633	The Performance of Satellite-Based Links for Measurement-Device-Independent Quantum Key Distribution. Entropy, 2021, 23, 1010.	1.1	0
1634	Entanglement assisted training algorithm for supervised quantum classifiers. Quantum Information Processing, 2021, 20, 1.	1.0	6
1635	Advanced Laser Technology for Quantum Communications (Tutorial Review). Advanced Quantum Technologies, 2021, 4, 2100062.	1.8	25
1636	All-optical long-distance quantum communication with Gottesman-Kitaev-Preskill qubits. Physical Review Research, 2021, 3, .	1.3	29
1637	Hybrid Quantum Photonics Based on Artificial Atoms Placed Inside One Hole of a Photonic Crystal Cavity. ACS Photonics, 2021, 8, 2635-2641.	3.2	18
1638	Modulation leakage vulnerability in continuous-variable quantum key distribution. Quantum Science and Technology, 2021, 6, 045001.	2.6	17
1639	Multistage quantum swapping of vacuum-one-photon entanglement. Physical Review A, 2021, 104, .	1.0	3
1640	Measure-resend authenticated semi-quantum key distribution with single photons. Quantum Information Processing, 2021, 20, 1.	1.0	5
1643	Photon blockade in a coupled double quantum dotâ€"nonlinear optomechanical system. Physica Scripta, 2021, 96, 125108.	1.2	0
1644	Quantifying entanglement preservability of experimental processes. Physical Review A, 2021, 104, .	1.0	2
1645	Fast charging of a quantum battery assisted by noise. Physical Review A, 2021, 104, .	1.0	35
1646	Policies for elementary links in a quantum network. Quantum - the Open Journal for Quantum Science, 0, 5, 537.	0.0	13
1647	Brightening single-photon emitters by combining an ultrathin metallic antenna and a silicon quasi-BIC antenna. Chinese Physics B, 2022, 31, 014209.	0.7	1
1648	Measurement-device-independent quantum key distribution for nonstandalone networks. Photonics Research, 2021, 9, 1881.	3.4	44
1649	Quantum information masking of Hadamard sets. Quantum Information Processing, 2021, 20, 1.	1.0	2
1650	Recent Advancement in High Speed and Secure Quantum Key Distribution: A Review. Lecture Notes in Electrical Engineering, 2022, , 259-267.	0.3	0
1651	Parameters optimization based on neural network of practical wavelength division multiplexed decoy-state quantum key distribution. Modern Physics Letters B, O, , 2150479.	1.0	2
1652	Optical normal-mode-induced phonon-sideband splitting in the photon-blockade effect. Physical Review A, 2021, 104, .	1.0	7

#	Article	IF	Citations
1653	Continuous-Variable Quantum Secret Sharing Based on Thermal Terahertz Sources in Inter-Satellite Wireless Links. Entropy, 2021, 23, 1223.	1.1	3
1654	Pathways for Entanglement-Based Quantum Communication in the Face of High Noise. Physical Review Letters, 2021, 127, 110505.	2.9	27
1655	Estimating the Photon-Number Distribution of Photonic Channels for Realistic Devices and Applications in Photonic Quantum Information Processing. Physical Review Applied, 2021, 16, .	1.5	5
1656	Explicit asymptotic secret key rate of continuous-variable quantum key distribution with an arbitrary modulation. Quantum - the Open Journal for Quantum Science, 0, 5, 540.	0.0	45
1657	Mitigating the effect of atmospheric turbulence on orbital angular momentum-based quantum key distribution using real-time adaptive optics with phase unwrapping. Optics Express, 2021, 29, 31078.	1.7	5
1658	Experimental Side Channel Analysis of BB84 QKD Source. IEEE Journal of Quantum Electronics, 2021, 57, 1-7.	1.0	11
1659	Optimal dense coding and quantum phase transition in Ising-XXZ diamond chain. Physica A: Statistical Mechanics and Its Applications, 2022, 585, 126444.	1.2	1
1660	First-principle calculation study of (C <sub>N</sub> B defect in hexagonal boron nitride monolayer. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 033102.	0.2	0
1661	Introducing Quantum Key Distribution. Quantum Science and Technology, 2021, , 35-54.	1.5	0
1662	Long-step path-following algorithm for quantum information theory: Some numerical aspects and applications. Numerical Algebra, Control and Optimization, 2021, .	1.0	2
1663	High-efficiency continuous-variable quantum digital signature protocol for signing multi-bit messages. Laser Physics Letters, 2021, 18, 035201.	0.6	1
1664	Toward a Complete Software Stack to Integrate Quantum Key Distribution in a Cloud Environment. IEEE Access, 2021, 9, 115270-115291.	2.6	4
1665	Multibit quantum digital signature with continuous variables using basis encoding over insecure channels. Physical Review A, 2021, 103, .	1.0	16
1666	Afterpulse analysis for passive decoy quantum key distribution. Quantum Engineering, 2020, 2, e56.	1.2	18
1667	Quantum Cryptography., 2009,, 7265-7289.		11
1668	Quantum Cryptography. , 2012, , 2453-2477.		5
1669	Error Reconciliation in Quantum Key Distribution Protocols. Lecture Notes in Computer Science, 2020, , 222-236.	1.0	26
1670	Quantum Key Distribution Protocol Based on GHZ Like State and Bell State. Lecture Notes in Computer Science, 2020, , 298-306.	1.0	1

#	Article	IF	CITATIONS
1671	Excitons., 2017,, 1-41.		1
1672	Towards Quantum Repeaters with Solid-State Qubits: Spin-Photon Entanglement Generation Using Self-assembled Quantum Dots. Nano-optics and Nanophotonics, 2015, , 365-402.	0.2	5
1673	Discord, Quantum Knowledge and Private Communications. Quantum Science and Technology, 2017, , 231-239.	1.5	1
1674	Single-Photon Sources Based on Deterministic Quantum-Dot Microlenses. Nano-optics and Nanophotonics, 2017, , 199-232.	0.2	5
1675	Excitons. , 2018, , 485-525.		3
1676	Efficient Unconditionally Secure Signatures Using Universal Hashing. Lecture Notes in Computer Science, 2018, , 143-162.	1.0	5
1677	The Case for Quantum Key Distribution. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 283-296.	0.2	21
1678	ï∈-local Operations in Composite Quantum Systems with Applications to Multipartite Entanglement. Communications in Computer and Information Science, 2011, , 1-10.	0.4	3
1680	Feasibility study of Quantum Communications in Aquatic Scenarios. Optik, 2020, 216, 164639.	1.4	23
1681	Performance of continuous variable quantum key distribution system at different detector bandwidth. Optics Communications, 2020, 471, 126034.	1.0	10
1683	Quantum key distribution integration with optical dense wavelength division multiplexing: a review. IET Quantum Communication, 2020, 1, 9-15.	2.2	16
1684	Zigzag approach to higher key rate of sending-or-not-sending twin field quantum key distribution with finite-key effects. New Journal of Physics, 2020, 22, 053048.	1.2	24
1685	Detecting quantum attacks: a machine learning based defense strategy for practical continuous-variable quantum key distribution. New Journal of Physics, 2020, 22, 083073.	1.2	33
1686	Satellite-based measurement-device-independent quantum key distribution. New Journal of Physics, 2020, 22, 083074.	1.2	4
1687	Photon blockade in a double-cavity optomechanical system with nonreciprocal coupling. New Journal of Physics, 2020, 22, 093006.	1.2	44
1688	Efficient fusion of photonic W-states with nonunitary partial-swap gates. New Journal of Physics, 2020, 22, 093051.	1.2	8
1689	Atmospheric effects on satellite-mediated continuous-variable quantum key distribution. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 465302.	0.7	16
1690	Quantum repeater for continuous-variable entanglement distribution. Physical Review A, 2020, 102, .	1.0	26

#	Article	IF	Citations
1691	Photon blockade in a bimode nonlinear nanocavity embedded with a quantum dot. Physical Review A, $2020,102,$ .	1.0	18
1692	Practical issues in decoy-state quantum key distribution based on the central limit theorem. Physical Review A, 2017, 96, .	1.0	17
1693	Practical figures of merit and thresholds for entanglement distribution in quantum networks. Physical Review Research, 2019, 1, .	1.3	56
1694	Teleportation-based collective attacks in Gaussian quantum key distribution. Physical Review Research, 2020, 2, .	1.3	6
1695	Continuous-variable quantum repeater based on quantum scissors and mode multiplexing. Physical Review Research, 2020, 2, .	1.3	37
1696	Quantifying entanglement of parametric down-converted states in all degrees of freedom. Physical Review Research, 2020, 2, .	1.3	6
1697	Improving key rates of the unbalanced phase-encoded BB84 protocol using the flag-state squashing model. Physical Review Research, 2020, 2, .	1.3	6
1698	Active reset of a radiative cascade for entangled-photon generation beyond the continuous-driving limit. Physical Review Research, 2020, 2, .	1.3	5
1699	Sending-or-not-sending twin-field quantum key distribution with discrete-phase-randomized weak coherent states. Physical Review Research, 2020, 2, .	1.3	7
1700	Secure quantum key distribution with realistic devices. Reviews of Modern Physics, 2020, 92, .	16.4	733
1701	Priority Order-Based Key Distribution in QKD-Secured Optical Networks., 2020,,.		4
1702	QAM Quantum Noise Stream Cipher Transmission Over 100 km With Continuous Variable Quantum Key Distribution. IEEE Journal of Quantum Electronics, 2017, 53, 1-16.	1.0	87
1703	Efficient Routing for Quantum Key Distribution Networks. , 2020, , .		24
1704	Discrete-modulated continuous-variable quantum key distribution with a machine-learning-based detector. Optical Engineering, 2018, 57, $1$ .	0.5	7
1705	Remote key establishment by random mode mixing in multimode fibers and optical reciprocity. Optical Engineering, 2019, 58, 1.	0.5	24
1706	Design considerations for an optical link supporting intersatellite quantum key distribution. Optical Engineering, 2019, 58, 1.	0.5	17
1707	Setting best practice criteria for self-differencing avalanche photodiodes in quantum key distribution., 2017,,.		1
1708	On problems in security of quantum key distribution raised by Yuen. , 2017, , .		4

#	Article	IF	CITATIONS
1709	Practical security of semi-quantum key distribution. , 2018, , .		15
1710	Low size, weight and power quantum key distribution system for small form unmanned aerial vehicles. , 2019, , .		5
1711	Stratospheric QKD: feasibility analysis and free-space optics system concept., 2019,,.		4
1712	Quantum illumination with simple detection. , 2020, , .		6
1713	Generalized Discrimination Between Symmetric Coherent States for Eavesdropping in Quantum Cryptography. Lobachevskii Journal of Mathematics, 2020, 41, 2332-2337.	0.1	8
1714	Field trial of a three-state quantum key distribution scheme in the Florence metropolitan area. EPJ Quantum Technology, 2019, 6, .	2.9	43
1715	A study to develop a robust method for measuring the detection efficiency of free-running InGaAs/InP single-photon detectors. EPJ Quantum Technology, 2020, 7, .	2.9	4
1716	Designing a quantum network protocol. , 2020, , .		59
1717	Quantum Key Distribution. ACM Computing Surveys, 2021, 53, 1-41.	16.1	100
1718	A Necessary Condition for the Security of Coherent-One-Way Quantum Key Distribution Protocol. Applied Mathematics and Information Sciences, 2014, 8, 2769-2773.	0.7	6
1719	A novel synchronization scheme for free-space quantum key distribution system., 2011,,.		2
1720	Advances in quantum cryptography. Advances in Optics and Photonics, 2020, 12, 1012.	12.1	848
1721	Fiber-based high-dimensional quantum key distribution with twisted photons. , 2018, , .		2
1722	Detailed Performance Analysis of the Proposed QEYSSAT Quantum Receiver Satellite., 2012,,.		1
1723	High-Speed Quantum Key Distribution with Wavelength-Division Multiplexing on Integrated Photonic Devices. , 2018, , .		5
1724	Field Demonstration of Quantum Key Distribution in the Tokyo QKD Network. , 2011, , .		3
1725	Performance of underwater quantum key distribution with polarization encoding. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 883.	0.8	17
1726	Reference pulse attack on continuous variable quantum key distribution with local local oscillator under trusted phase noise. Journal of the Optical Society of America B: Optical Physics, 2019, 36, B7.	0.9	23

#	Article	IF	CITATIONS
1727	Quantum low probability of intercept. Journal of the Optical Society of America B: Optical Physics, 2019, 36, B41.	0.9	24
1728	Blind modulation format identification using the DBSCAN algorithm for continuous-variable quantum key distribution. Journal of the Optical Society of America B: Optical Physics, 2019, 36, B51.	0.9	12
1729	Sub-ns timing accuracy for satellite quantum communications. Journal of the Optical Society of America B: Optical Physics, 2019, 36, B59.	0.9	18
1730	Entropic uncertainty relations and the measurement range problem, with consequences for high-dimensional quantum key distribution. Journal of the Optical Society of America B: Optical Physics, 2019, 36, B65.	0.9	4
1731	Finite-key analysis of practical decoy-state measurement-device-independent quantum key distribution with unstable sources. Journal of the Optical Society of America B: Optical Physics, 2019, 36, B83.	0.9	11
1732	Continuous variable quantum key distribution with multi-mode signals for noisy detectors. Journal of the Optical Society of America B: Optical Physics, 2019, 36, B109.	0.9	11
1733	Performance analysis of quantum key distribution in underwater turbulence channels. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 564.	0.9	13
1734	Improved quantum key distribution based on Lucas-valued orbital angular momentum states. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 876.	0.9	5
1735	Multi-hop nondestructive teleportation between terminal nodes equipped with limited technology. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1896.	0.9	7
1736	High-dimensional cryptography with spatial modes of light: tutorial. Journal of the Optical Society of America B: Optical Physics, 2020, 37, A309.	0.9	41
1737	Multi-hop quantum key distribution with passive relays over underwater turbulence channels. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 3614.	0.9	3
1738	Free Space Quantum Communication using Continuous Polarization Variables. , 2011, , .		3
1739	Phase noise estimation using Bayesian inference for continuous-variable quantum key distribution. Optics Express, 2019, 27, 1838.	1.7	9
1740	Multi-tenant secret-key assignment over quantum key distribution networks. Optics Express, 2019, 27, 2544.	1.7	21
1741	Rigorous characterization method for photon-number statistics. Optics Express, 2019, 27, 5297.	1.7	3
1742	SDQaaS: software defined networking for quantum key distribution as a service. Optics Express, 2019, 27, 6892.	1.7	30
1743	Modeling optical fiber space division multiplexed quantum key distribution systems. Optics Express, 2019, 27, 7047.	1.7	16
1744	Realistic rate–distance limit of continuous-variable quantum key distribution. Optics Express, 2019, 27, 13372.	1.7	14

#	Article	IF	CITATIONS
1745	Multi-matrix error estimation and reconciliation for quantum key distribution. Optics Express, 2019, 27, 14545.	1.7	15
1746	Improvement of self-referenced continuous-variable quantum key distribution with quantum photon catalysis. Optics Express, 2019, 27, 17186.	1.7	63
1747	Localization-based two-photon wave-function information encoding. Optics Express, 2019, 27, 20787.	1.7	3
1748	Characterization of an underwater channel for quantum communications in the Ottawa River. Optics Express, 2019, 27, 26346.	1.7	36
1749	Stable quantum key distribution using a silicon photonic transceiver. Optics Express, 2019, 27, 29045.	1.7	24
1750	On-chip implementation of the probabilistic quantum optical state comparison amplifier. Optics Express, 2019, 27, 31713.	1.7	10
1751	Accelerated secure key distribution based on localized and asymmetric fiber interferometers. Optics Express, 2019, 27, 32096.	1.7	23
1752	Feasibility of quantum key distribution with macroscopically bright coherent light. Optics Express, 2019, 27, 36154.	1.7	3
1753	Feasibility of twin-field quantum key distribution based on multi-mode coherent phase-coded states. Optics Express, 2019, 27, 36551.	1.7	15
1754	Characterizing photon number statistics using conjugate optical homodyne detection. Optics Express, 2020, 28, 2276.	1.7	16
1755	Long-distance transmission of quantum key distribution coexisting with classical optical communication over a weakly-coupled few-mode fiber. Optics Express, 2020, 28, 12558.	1.7	22
1756	Performance of real-time adaptive optics compensation in a turbulent channel with high-dimensional spatial-mode encoding. Optics Express, 2020, 28, 15376.	1.7	21
1757	Plug-and-play continuous-variable quantum key distribution for metropolitan networks. Optics Express, 2020, 28, 14547.	1.7	22
1758	Unified integration scheme using an N × N active switch for efficient generation of a multi-photon parallel state. Optics Express, 2020, 28, 17490.	1.7	3
1759	Finite-key analysis for twin-field quantum key distribution based on generalized operator dominance condition. Optics Express, 2020, 28, 22594.	1.7	1
1760	Indoor channel modeling for continuous variable quantum key distribution in the terahertz band. Optics Express, 2020, 28, 32386.	1.7	12
1761	Entanglement protection of Ince-Gauss modes in atmospheric turbulence using adaptive optics. Optics Express, 2020, 28, 38366.	1.7	7
1762	Integrated Polarization Beam Splitter Module for Polarization-Encoded Free-Space BB84 QKD. , 2018, , .		2

#	Article	IF	CITATIONS
1763	Patterning-effect mitigating intensity modulator for secure decoy-state quantum key distribution. Optics Letters, 2018, 43, 5110.	1.7	51
1764	Weak randomness impacts the security of reference-frame-independent quantum key distribution. Optics Letters, 2019, 44, 1226.	1.7	13
1765	All-fiber self-compensating polarization encoder for quantum key distribution. Optics Letters, 2019, 44, 2398.	1.7	42
1766	High-speed robust polarization modulation for quantum key distribution. Optics Letters, 2019, 44, 5262.	1.7	32
1767	High-dimensional quantum gates using full-field spatial modes of photons. Optica, 2020, 7, 98.	4.8	90
1768	Simple quantum key distribution with qubit-based synchronization and a self-compensating polarization encoder. Optica, 2020, 7, 284.	4.8	44
1769	Efficient distribution of high-dimensional entanglement through 11  km fiber. Optica, 2020, 7, 738.	4.8	42
1770	Demonstration of simultaneous quantum steering by multiple observers via sequential weak measurements. Optica, 2020, 7, 675.	4.8	25
1771	Cryogenic microwave-to-optical conversion using a triply resonant lithium-niobate-on-sapphire transducer. Optica, 2020, 7, 1737.	4.8	68
1772	Cavity quantum electrodynamics with color centers in diamond. Optica, 2020, 7, 1232.	4.8	72
1773	Robust countermeasure against detector control attack in a practical quantum key distribution system. Optica, 2019, 6, 1178.	4.8	26
1774	Secure and efficient synchronization scheme for quantum key distribution. OSA Continuum, 2019, 2, 2883.	1.8	8
1775	Experimental free-space quantum secure direct communication and its security analysis. Photonics Research, 2020, 8, 1522.	3.4	67
1776	Nonreciprocal unconventional photon blockade in a spinning optomechanical system. Photonics Research, 2019, 7, 630.	3.4	149
1777	LED-based fiber quantum key distribution: toward low-cost applications. Photonics Research, 2019, 7, 1169.	3.4	8
1778	Numeric estimation of resource requirements for a practical polarization-frame alignment scheme for quantum key distribution (QKD). Advanced Optical Technologies, 2020, 9, 253-261.	0.9	3
1779	Adaptive optics benefit for quantum key distribution uplink from ground to a satellite. Advanced Optical Technologies, 2020, 9, 263-273.	0.9	12
1780	Fiber quantum random number generator, based on vacuum fluctuations. Nanosystems: Physics, Chemistry, Mathematics, 2017, , 441-446.	0.2	1

#	Article	IF	CITATIONS
1781	Hamiltonians for one-way quantum repeaters. Quantum - the Open Journal for Quantum Science, 0, 2, 75.	0.0	8
1782	Reliable numerical key rates for quantum key distribution. Quantum - the Open Journal for Quantum Science, 0, 2, 77.	0.0	59
1783	Experimental investigation of high-dimensional quantum key distribution protocols with twisted photons. Quantum - the Open Journal for Quantum Science, $0, 2, 111$ .	0.0	63
1784	Quantum process tomography of a high-dimensional quantum communication channel. Quantum - the Open Journal for Quantum Science, 0, 3, 138.	0.0	12
1785	Pilot-assisted intradyne reception for high-speed continuous-variable quantum key distribution with true local oscillator. Quantum - the Open Journal for Quantum Science, 0, 3, 193.	0.0	43
1786	Contextual advantage for state-dependent cloning. Quantum - the Open Journal for Quantum Science, 0, 4, 258.	0.0	30
1787	Device-independent quantum key distribution with single-photon sources. Quantum - the Open Journal for Quantum Science, 0, 4, 260.	0.0	35
1788	Crosstalk Reduction in Hybrid Quantum-Classical Networks. Scientia Iranica, 2016, 23, 2898-2907.	0.3	6
1789	High performance error correction for quantum key distribution using polar codes. Quantum Information and Computation, 2014, 14, 329-338.	0.1	47
1791	Medical Image Security Using Quantum Cryptography. Issues in Informing Science and Information Technology, 0, 15, 057-067.	0.0	4
1792	The Modeling of the Young's Interference Experiment in terms of Single-photon wave function in the coordinate representation. , 2017, , .		3
1793	Spatial Wavefunction Characterization of Femtosecond Pulses at Single-Photon Level. Research, 2020, 2020, 2421017.	2.8	3
1794	Six-State Symmetric Quantum Key Distribution Protocol. Journal of Quantum Information Science, 2015, 05, 33-40.	0.2	4
1795	A Simple Security Proof for Entanglement-Based Quantum Key Distribution. Journal of Quantum Information Science, 2016, 06, 296-303.	0.2	3
1796	Autonomous open-source hardware apparatus for quantum key distribution. Papers in Physics, 2016, 8,	0.2	2
1797	Cryptography from Quantum Mechanical Viewpoint. International Journal on Cryptography and Information Security, 2014, 4, 13-25.	0.7	8
1798	Experimental simulation of quantum entanglement distribution over a high-loss channel. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 060307.	0.2	5
1799	Long distance measurement device independent quantum key distribution with quantum memories. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 140304.	0.2	3

#	Article	IF	CITATIONS
1800	A resource-effective QKD field-trial in Padua with the iPOGNAC encoder. , 2021, , .		0
1801	Quantum Information Processing Algorithms with Emphasis on Machine Learning., 2021,,.		14
1802	Analysis of a High-Dimensional Extended B92 Protocol. Quantum Information Processing, 2021, 20, 1.	1.0	2
1803	Continuous-Variable Quantum Key Distribution Based on Heralded Hybrid Linear Amplifier with a Local Local Oscillator. Entropy, 2021, 23, 1395.	1.1	1
1804	Medium-range terrestrial free-space QKD performance modelling and analysis., 2021,,.		2
1805	Neither Contextuality nor Nonlocality Admits Catalysts. Physical Review Letters, 2021, 127, 160402.	2.9	8
1806	Fibre polarisation state compensation in entanglement-based quantum key distribution. Optics Express, 2021, 29, 37075.	1.7	10
1807	Reconfigurable Quantum Local Area Network Over Deployed Fiber. PRX Quantum, 2021, 2, .	3.5	46
1808	Contextuality-based quantum conferencing. Quantum Information Processing, 2021, 20, 1.	1.0	1
1809	On the quantum performance evaluation of two distributed quantum architectures. Performance Evaluation, 2022, 153, 102242.	0.9	4
1810	Loss-tolerant prepare and measure quantum key distribution protocol. Scientific African, 2021, 14, e01008.	0.7	1
1811	Ensemble learning for failure prediction of underwater continuous variable quantum key distribution with discrete modulations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 419, 127694.	0.9	7
1812	Quantum Information Theory. , 2009, , .		70
1813	Security bound of continuous-variable quantum key distribution with discrete modulation. Wuli Xuebao/Acta Physica Sinica, 2010, 59, 1473.	0.2	6
1814	Security of practical phase-coding quantum key distribution. Quantum Information and Computation, 2010, 10, 771-779.	0.1	4
1815	Confidential Deterministic Quantum Communication Using Three Quantum States. International Journal of Advanced Computer Science and Applications, 2011, 2, .	0.5	0
1816	Quantum Information Theory in Optics. , 2011, , .		0
1817	Continuous Variable Quantum Key Distribution: Security, Repeaters and Relativity., 2011, , .		0

#	Article	IF	CITATIONS
1818	Search For Patterns In Single-Photon Polarization Sequences. , 2011, , .		0
1819	Passive preparation of BB84 signal states with coherent light. Progress in Informatics, 2011, , 57.	0.2	2
1820	Security analysis of the time-coding quantum key distribution protocols. Quantum Information and Computation, $2011,11,968-987.$	0.1	1
1821	Security of quantum key distribution with state-dependent imperfections. Quantum Information and Computation, 2011, 11, 937-947.	0.1	1
1822	Quantum Key Distribution., 0,,.		4
1823	Continuous-variable three-color tripartite entangled state generated by a non-degenerate optical parameter oscillator. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 014206.	0.2	0
1825	Quantum Key Distribution: A Resource Letter. International Journal of Computer Applications, 2012, 37, 11-17.	0.2	5
1826	Quantum Secure Telecommunication Systems. , 0, , .		3
1827	The security of SARG04 protocol in plug and play QKD system with an untrusted source. Quantum Information and Computation, 2012, 12, 630-647.	0.1	2
1828	Experimental demonstration of continuous-variable quantum key distribution over 80 km of standard telecom fiber. , 2013, , .		0
1829	Beating 3-dB Loss Limit of Direct Reconciliation Continuous-variable Quantum Key Distribution by Using a Noiseless Linear Amplifier. , 2013, , .		0
1830	Improving the maximum transmission distance of coutinuous variable no-switching QKD protocol. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 070301.	0.2	1
1831	Security of plug-and-play QKD arrangements with finite resources. Quantum Information and Computation, 2013, 13, 861-879.	0.1	11
1834	Preventing Quantum Hacking in Continuous Variable Quantum Key Distribution. , 2014, , .		0
1835	Quantum Key Distribution with Qubit Pairs. Journal of Quantum Information Science, 2014, 04, 129-132.	0.2	1
1836	Security of high speed quantum key distribution with finite detector dead time. Quantum Information and Computation, 2014, 14, 217-235.	0.1	3
1837	Quantum key distribution: defeating collective noise without reducing efficiency. Quantum Information and Computation, 2014, 14, 845-856.	0.1	10
1838	Secure key distribution based on variant properties of chaos synchronization induced by random phase modulation. , $2015$ , , .		0

#	Article	IF	CITATIONS
1839	Distributing secret keys using quantum continuous variables. , 2015, , .		0
1840	Secret Key Rates of QKD Systems Over Time-Varying Free-Space Optical Channel. , 2015, , .		0
1841	Efficient Almost Strongly Universal Hash Function for Quantum Key Distribution. Lecture Notes in Computer Science, 2015, , 282-285.	1.0	1
1842	Stochastic Resonances in Photon Number Resolving Detectors. , 2015, , .		0
1843	Ultra-fast heralded single photon source based on telecom technology and non-linear optics. , 2015, , .		2
1844	Excitons. , 2015, , 1-41.		0
1845	Ultra Broadband Entanglement Analysis for High-Speed Quantum Key Distribution in Dense Wavelength Division Multiplexed Networks. , $2015, \ldots$		0
1846	On the possibility of using optical y-splitter in quantum random number generation systems based on fluctuations of vacuum. Nanosystems: Physics, Chemistry, Mathematics, 2015, , 95-99.	0.2	1
1847	Multi-User Quantum Key Distribution with Entangled Photons from a Semiconductor Chip., 2016, , .		0
1848	Highprecision auto-balance of the time-domain pulsed homodyne detector. Wuli Xuebao/Acta Physica Sinica, 2016, 65, 100303.	0.2	0
1849	The use of beam- and fiber splitters in quantum random number generators based on vacuum fluctuations. Nanosystems: Physics, Chemistry, Mathematics, 2016, , 378-383.	0.2	2
1850	The design and realization of continuous-variable quantum key distribution system based on real-time shot noise variance monitoring. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 020301.	0.2	3
1851	Practical secure quantum communications. , 2017, , .		0
1852	Demonstration of 40 Gb/s secure optical communication system based on 40 Gchip/s SPE and symbol overlapping. , 2017, , .		0
1853	Handheld Quantum Key Distribution., 2017,,.		2
1854	Fast Implementation of Privacy Amplification in Continuous-Variable Quantum Key Distribution. , 2017, , .		0
1855	Quantum random number generator based on homodyne detection. Nanosystems: Physics, Chemistry, Mathematics, 2017, , 239-242.	0.2	2
1856	Time–energy high-dimensional one-side device-independent quantum key distribution. Chinese Physics B, 2017, 26, 050302.	0.7	2

#	Article	IF	CITATIONS
1857	Chapter 14: Integrated nanophotonics for multiâ€'user quantum key distribution networks. Series in Optics and Optoelectronics, 2017, , 305-344.	0.0	0
1858	Synchronization signal distortion in subcarrier wave quantum key distribution systems. Scientific and Technical Journal of Information Technologies, Mechanics and Optics, 2017, , 599-604.	0.1	1
1859	High-Dimensional Time-Phase QKD. Springer Theses, 2018, , 29-56.	0.0	0
1860	Generating entangled photons on monolithic chips. , 2018, , .		0
1861	Classification of the attacks on quantum systems for the transfer of confidential data. Ukrainian Scientific Journal of Information Security, 2018, 23, .	0.0	0
1862	All-optical synchronization for quantum networking. , 2018, , .		0
1863	Quantum key distribution security threat: the backflash light case. , 2018, , .		0
1864	Frequency coding quantum key distribution channel based on serial photons amplitude modulation and phase commutation. , 2018, , .		1
1866	Security Analysis of the Multi-stage Protocol. Signals and Communication Technology, 2019, , 131-141.	0.4	0
1867	Full statistics of ideal homodyne detection using real (noisy) local oscillator. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 140.	0.9	0
1868	Continuous Variable (CV)-QKD., 2019,, 323-389.		0
1869	Quantum-Key Distribution (QKD) Fundamentals. , 2019, , 211-265.		1
1870	High visibility Hong-Ou-Mandel interference from weak-coherent pulses generated by Ill–V on silicon waveguide integrated lasers. , 2019, , .		0
1872	Discrete Variable (DV) QKD., 2019,, 267-322.		4
1873	Composable and Finite Computational Security of Quantum Message Transmission. Lecture Notes in Computer Science, 2019, , 282-311.	1.0	1
1874	Optimized attacks on twin-field quantum key distribution. Journal of the Optical Society of America B: Optical Physics, 2019, 36, B122.	0.9	1
1875	Fate of Entanglement for Initial Separable States in Quantum Neural Network. Balkan Journal of Electrical and Computer Engineering, 2019, 7, .	0.4	1
1877	Asymmetry semiquantum dialogue protocol. , 2019, , .		0

#	Article	IF	CITATIONS
1878	Experimental Progress on Quantum Communication with Quantum Dot Based Devices. Lecture Notes in Nanoscale Science and Technology, 2020, , 135-173.	0.4	1
1879	Wavelength attack recognition based on machine learning optical spectrum analysis for the practical continuous-variable quantum key distribution system. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1689.	0.9	12
1880	Multi-Hop Quantum Key Distribution with Passive Relays over Underwater Turbulence Channels. , 2020, , .		1
1881	Quantum pattern recognition in photonic circuits. Quantum Science and Technology, 2022, 7, 015010.	2.6	2
1882	Polarization rotation and near-Earth quantum communications. Physical Review A, 2021, 104, .	1.0	3
1883	Practical Longâ€Distance Measurementâ€Deviceâ€Independent Quantum Key Distribution By Fourâ€Intensity Protocol. Advanced Quantum Technologies, 2021, 4, 2100069.	1.8	8
1884	Quantum-based wireless sensor networks: A review and open questions. International Journal of Distributed Sensor Networks, 2021, 17, 155014772110522.	1.3	4
1885	Security Analysis of Measurement-Device Independency. , 2020, , 267-277.		0
1886	A Novel Realization of PSK and QPSK Quantum-Noise Randomized Cipher Systems with Optical Domain Decryption. , 2020, , .		0
1888	Spreading nonlocality in a quantum network. Physical Review Research, 2020, 2, .	1.3	8
1889	Unconventional photon blockade in a three-mode system with double second-order nonlinear coupling. Chinese Physics B, 2020, 29, 120304.	0.7	1
1890	From Practice to Theory: The "Bright Illumination―Attack on Quantum Key Distribution Systems. Lecture Notes in Computer Science, 2020, , 82-94.	1.0	0
1891	Excitons. , 2020, , 1-42.		0
1892	Simple and robust QKD system with Qubit4Sync temporal synchronization and the POGNAC polarization encoder., 2020,,.		0
1893	Shared Measurement Node Placement in Continuous Variable Measurement Device Independent Quantum Networks. , 2020, , .		0
1894	A No-History, Low Latency Photonic Quantum Random Bit Generator for Use in a Loophole Free Bell Tests and General Applications. Quantum Science and Technology, 2020, , 65-83.	1.5	0
1895	Quantum Key Distribution. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 29-43.	0.4	1
1896	Quantum key establishment via a multimode fiber. Optics Express, 2020, 28, 5965.	1.7	15

#	Article	IF	CITATIONS
1897	Continuous-variable quantum key distribution based on a faster-than-Nyquist scheme. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 665.	0.9	2
1898	Proof-of-principle demonstration of measurement-device-independent quantum key distribution based on intrinsically stable polarization-modulated units. Optics Express, 2020, 28, 10772.	1.7	5
1899	Investigate the performance of real-time adaptive optics correction in a turbulent high-dimensional quantum communication channel. , 2020, , .		0
1900	One-sided device-independent quantum key distribution for two independent parties. Optics Express, 2020, 28, 11439.	1.7	8
1901	Parameter optimization in satellite-based measurement-device-independent quantum key distribution. Quantum Science and Technology, 2022, 7, 015014.	2.6	4
1902	Semi-device-independent quantum key agreement protocol. Quantum Information Processing, 2021, 20, 1.	1.0	7
1903	A Novel Blockchain and Bi-Linear Polynomial-Based QCP-ABE Framework for Privacy and Security over the Complex Cloud Data. Sensors, 2021, 21, 7300.	2.1	13
1904	Secure Communication using Quantum Computing Method. International Journal of Engineering Research & Technology, 2020, V9, .	0.2	0
1905	Hybrid protocol for sending-or-not-sending twin-field quantum key distribution. Optics Letters, 2020, 45, 4120.	1.7	4
1906	Efficient generation of heralded narrowband color-entangled states. Optics Express, 2020, 28, 31076.	1.7	2
1907	Quantum key distribution system against the probabilistic faint after-gate attack. Communications in Theoretical Physics, 2020, 72, 115102.	1.1	1
1908	Suppressing excess noise for atmospheric continuous-variable quantum key distribution via adaptive optics approach. New Journal of Physics, 2020, 22, 103009.	1.2	10
1909	Free space continuous-variable quantum key distribution with practical links. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 3690.	0.9	2
1911	Efficient ordering policy for secret key assignment in quantum key distribution-secured optical networks. Optical Fiber Technology, 2022, 68, 102755.	1.4	5
1912	A Modular Quantum Key Distribution Software Stack for Rapid Experimental Prototyping., 2021,,.		1
1913	Depolarization's Dynamic: Exponential and q-Exponential Decay. , 2021, , .		0
1914	A Proposal for Single-Photon Detection in Millimeter-Wave and THz Regions. , 2021, , .		0
1915	Achieving stable fiber coupling of quantum dot telecom C-band single-photons to an SOI photonic device. Applied Physics Letters, 2021, 119, .	1.5	8

#	Article	IF	CITATIONS
1916	Eternally non-Markovian dynamics of a qubit interacting with a single-photon wavepacket. New Journal of Physics, 2021, 23, 123019.	1.2	8
1917	Security of quantum communications in oceanic turbulence. Physical Review A, 2021, 104, .	1.0	12
1918	Finite-key analysis based on neural network of practical wavelength division multiplexed decoy-state quantum key distribution. , $2021,  ,  .$		1
1919	Advances in Chipâ€Scale Quantum Photonic Technologies. Advanced Quantum Technologies, 2021, 4, .	1.8	13
1920	Deterministic secure quantum communication with practical devices. Quantum Engineering, 2021, 3, e86.	1.2	5
1922	Lightweight mediated semi-quantum key distribution protocol with a dishonest third party based on Bell states. Scientific Reports, 2021, 11, 23222.	1.6	9
1923	Optimization of intensity-modulation/direct-detection optical key distribution under passive eavesdropping. Optics Express, 2021, 29, 43091.	1.7	4
1924	Deployment-Ready Quantum Key Distribution Over a Classical Network Infrastructure in Padua. Journal of Lightwave Technology, 2022, 40, 1658-1663.	2.7	7
1925	Polarization-Based Quantum Key Distribution Encoder and Decoder on Silicon Photonics. Journal of Lightwave Technology, 2022, 40, 2052-2059.	2.7	7
1926	Discrete-variable quantum key distribution with homodyne detection. Quantum - the Open Journal for Quantum Science, 0, 6, 613.	0.0	6
1927	Analysis of the likelihood of quantum computing proliferation. Technology in Society, 2022, 68, 101880.	4.8	10
1928	Quantum Sampling for Finite Key Rates in High Dimensional Quantum Cryptography. IEEE Transactions on Information Theory, 2022, 68, 3144-3163.	1.5	5
1929	A Novel Realization of PSK Quantum-noise Randomized Cipher System Based on Series Structure of Multiple Phase Modulators. , 2020, , .		2
1930	Resource Allocation in Quantum-Key-Distribution-Secured Datacenter Networks with Cloud-Edge Collaboration. , 2021, , .		0
1931	Quantum Key Distribution: An Ascendable Mechanism for Cryptographic Key Distribution. Communications in Computer and Information Science, 2021, , 167-181.	0.4	0
1932	QKD BB84. A Taxonomy., 2021,,.		1
1933	Multi-Qubit Size-Hopping Deutsch-Jozsa Algorithm with Qubit Reordering for Secure Quantum Key Distribution., 2021,,.		3
1934	Review on entropic uncertainty relations. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 070302.	0.2	7

#	Article	IF	CITATIONS
1935	Enhancing eavesdropping detection in quantum key distribution using disentropy measure of randomness. Quantum Information Processing, 2022, 21, 1.	1.0	10
1936	Network-Compatible Unconditionally Secured Classical Key Distribution via Quantum Superposition-Induced Deterministic Randomness. Cryptography, 2022, 6, 4.	1.4	1
1937	40-user fully connected entanglement-based quantum key distribution network without trusted node. PhotoniX, 2022, 3, .	5.5	21
1938	Reduction of Twin Boundary in NbN Films Grown on Annealed AlN. Crystal Growth and Design, 2022, 22, 1720-1723.	1.4	2
1939	Secret-Key Exchange Through Synchronization of Randomized Chaotic Oscillators Aided by Logistic Hash Function. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 1655-1667.	3.5	8
1940	Short-wave infrared continuous-variable quantum key distribution over satellite-to-submarine channels. Chinese Physics B, 2022, 31, 060306.	0.7	1
1941	The Evolution of Quantum Key Distribution Networks: On the Road to the Qinternet. IEEE Communications Surveys and Tutorials, 2022, 24, 839-894.	24.8	106
1942	Single-Photon Emission from Individual Nanophotonic-Integrated Colloidal Quantum Dots. ACS Photonics, 2022, 9, 551-558.	3.2	18
1943	High dimensional quantum key distribution with temporal and polarization hybrid encoding. Optical Fiber Technology, 2022, 68, 102828.	1.4	5
1944	Total qubit efficiency of quantum key distribution protocol: definition and application. European Physical Journal Plus, 2022, 137, 1.	1.2	1
1945	Optical injection locking based local oscillator regeneration for continuous variable quantum key distribution. Optics Letters, 2022, 47, 1287.	1.7	6
1946	Coherent phase transfer for real-world twin-field quantum key distribution. Nature Communications, 2022, 13, 157.	5.8	44
1947	The security analysis of the BB84 protocol in the case of Calderbank–Shor–Steane code leakage. International Journal of Quantum Information, 0, , .	0.6	0
1948	Multiparty mediated quantum secret sharing protocol. Quantum Information Processing, 2022, 21, .	1.0	16
1949	Rate-compatible multi-edge type low-density parity-check code ensembles for continuous-variable quantum key distribution systems. Npj Quantum Information, 2022, 8, .	2.8	10
1950	Practical quantum multiparty signatures using quantum-key-distribution networks. Physical Review A, 2022, 105, .	1.0	5
1951	Measurement-device-independent quantum key distribution with insecure sources. Optics Letters, 2022, 47, 665.	1.7	8
1952	Quantum key distribution with multiphoton pulses: an advantage. , 2022, $1,68$ .		2

#	Article	IF	CITATIONS
1953	A quantum key distribution testbed using a plug& play telecom-wavelength single-photon source. Applied Physics Reviews, 2022, 9, .	5.5	24
1954	A Code Rate-Compatible High-Throughput Hardware Implementation Scheme for QKD Information Reconciliation. Journal of Lightwave Technology, 2022, 40, 3786-3793.	2.7	4
1955	Variational secure cloud quantum computing. Physical Review A, 2022, 105, .	1.0	0
1956	Strain Engineering of Lowâ€Dimensional Materials for Emerging Quantum Phenomena and Functionalities. Advanced Materials, 2023, 35, e2107362.	11.1	21
1957	Photon subtraction-based continuous-variable measurement-device-independent quantum key distribution with discrete modulation over a fiber-to-water channel. Communications in Theoretical Physics, 2022, 74, 035104.	1.1	1
1958	In-Lab Demonstration of Coherent One-Way Protocol over Free Space with Turbulence Simulation. Optics Express, 2022, 30, 11671-11683.	1.7	8
1959	Time Evolution of Quantum Coherence of Two Bosonic Modes in Noisy Environments. Journal of Russian Laser Research, 2022, 43, 39-47.	0.3	0
1961	Lessons Learned on the Interface Between Quantum and Conventional Networking. Communications in Computer and Information Science, 2022, , 262-279.	0.4	2
1962	Secret-Key Provisioning With Collaborative Routing in Partially-Trusted-Relay-based Quantum-Key-Distribution-Secured Optical Networks. Journal of Lightwave Technology, 2022, 40, 3530-3545.	2.7	25
1963	A Guide to the Deployment of Global Quantum Key Distribution Networks. Lecture Notes in Networks and Systems, 2022, , 571-586.	0.5	0
1964	Real-time polarization compensation system for wavelength division multiplexing in low noise fiber channel based on single photon counting feedback. Wuli Xuebao/Acta Physica Sinica, 2022, .	0.2	0
1965	Time Evolution of Quantum Coherence of Two Bosonic Modes in Noisy Environments. Journal of Russian Laser Research, 2022, 43, 39.	0.3	0
1966	Artificial Intelligence Computing at the Quantum Level. Data, 2022, 7, 28.	1.2	12
1967	Quantum information transfer using weak measurements and any non-product resource state. Quantum Information Processing, 2022, 21, .	1.0	0
1968	Quantum information masking in non-Hermitian systems and robustness. Laser Physics Letters, 2022, 19, 045203.	0.6	2
1969	Measurement-device-independent quantum key distribution protocol with phase post-selection. Photonics Research, 2022, 10, 1703.	3.4	7
1970	Finite key effects in satellite quantum key distribution. Npj Quantum Information, 2022, 8, .	2.8	19
1971	Quantum Communication with Ultrafast Time-Bin Qubits. PRX Quantum, 2022, 3, .	3.5	14

#	Article	IF	Citations
1972	On the Quantum Performance Evaluation of Two Distributed Quantum Architectures. Performance Evaluation Review, 2022, 49, 30-31.	0.4	1
1973	High-dimensional discrete Fourier transform gates with a quantum frequency processor. Optics Express, 2022, 30, 10126.	1.7	15
1974	Device-Independent Quantum Key Distribution with Random Postselection. Physical Review Letters, 2022, 128, 110506.	2.9	27
1975	Device-independent secret key rates via a postselected Bell inequality. Physical Review A, 2022, 105, .	1.0	O
1976	Quantum violation of local causality in urban network with hybrid photonic technologies. , 2022, , .		0
1977	Simple and loss-tolerant free-space quantum key distribution using a squeezed laser. Physical Review A, 2022, 105, .	1.0	6
1978	Discrete-modulation measurement-device-independent continuous-variable quantum key distribution with a quantum scissor: exact non-Gaussian calculation. Optics Express, 2022, 30, 11400.	1.7	5
1979	Experimental demonstration of continuous-variable measurement-device-independent quantum key distribution over optical fiber. Optica, 2022, 9, 492.	4.8	38
1980	Methods of Atmospheric Coherence Length Measurement. Applied Sciences (Switzerland), 2022, 12, 2980.	1.3	3
1981	Counteracting a Saturation Attack in Continuous-Variable Quantum Key Distribution Using an Adjustable Optical Filter Embedded in Homodyne Detector. Entropy, 2022, 24, 383.	1.1	2
1982	Experimental implementation of secure anonymous protocols on an eight-user quantum key distribution network. Npj Quantum Information, 2022, 8, .	2.8	11
1983	Multi-Attack Detection: General Defense Strategy Based on Neural Networks for CV-QKD. Photonics, 2022, 9, 177.	0.9	5
1984	The brickwork state with fewer qubits in blind quantum computation. Quantum Information Processing, 2022, 21, 1.	1.0	1
1985	QKD field-trial in Padua: a resource-effective implementation with the iPOGNAC encoder. , 2022, , .		0
1986	Variations of QKD Protocols Based on Conventional System Measurements: A Literature Review. Cryptography, 2022, 6, 12.	1.4	15
1987	Four-intensity measurement-device-independent quantum key distribution protocol with modified coherent state sources. Optics Express, 2022, 30, 10684.	1.7	1
1988	Optimizing quantum codes with an application to the loss channel with partial erasure information. Quantum - the Open Journal for Quantum Science, 0, 6, 667.	0.0	0
1989	Fusing atomic W states with Rydberg superatom. Laser Physics Letters, 2022, 19, 055206.	0.6	O

#	Article	IF	CITATIONS
1990	Estimating security of the quantum key distribution from the guesswork. Quantum Information Processing, 2022, 21, 1.	1.0	2
1991	Composable security for inter-satellite continuous-variable quantum key distribution in the terahertz band. Optics Express, 2022, 30, 14798.	1.7	5
1992	Topology-Abstraction-Based Protection Scheme in Quantum Key Distribution Networks with Partially Trusted Relays. Photonics, 2022, 9, 239.	0.9	3
1993	Quantum violation of local causality in an urban network using hybrid photonic technologies. Optica, 2022, 9, 572.	4.8	8
1994	The Role of Quantum and Post-Quantum Techniques in Wireless Network Security - Status, Challenges and Future Trends., 2021,,.		1
1995	Review of OFC 2021: The future of optical networks and communications. Virtual conference 6–10 June 2021. Fiber and Integrated Optics, 2021, 40, 185-228.	1.7	2
1996	Single photon detector on avalanche photodiode. , 2021, , .		2
1997	Realizing a Downstream-Access Network Using Continuous-Variable Quantum Key Distribution. Physical Review Applied, 2021, 16, .	1.5	11
1998	Experimental Optical Setup to Measure Power Loss versus Fiber Bent Radius for Tapping into Optical Fiber Communication Links. , 2021, , .		3
1999	Security of quantum key distribution with intensity correlations. Quantum - the Open Journal for Quantum Science, 0, 5, 602.	0.0	19
2000	Security Analysis of a Passive Continuous-Variable Quantum Key Distribution by Considering Finite-Size Effect. Entropy, 2021, 23, 1698.	1.1	2
2001	Error Reconciliation based on Integer Linear Programming in Quantum Key Distribution. Journal of Information Systems and Telecommunication, 2021, 9, 51-59.	0.2	0
2002	A robust and flexible high-order photon blocking effect based on drive ratio analysis. European Physical Journal: Special Topics, 2022, 231, 735-742.	1.2	2
2003	Improving the Performance of Continuous-Variable Measurement-Device-Independent Quantum Key Distribution via a Noiseless Linear Amplifier. Entropy, 2021, 23, 1691.	1.1	1
2004	Loss-tolerant concatenated Bell-state measurement with encoded coherent-state qubits for long-range quantum communication. Physical Review Research, 2021, 3, .	1.3	1
2005	Enhancing the performance of an open quantum battery via environment engineering. Physical Review E, 2021, 104, 064143.	0.8	11
2006	Neural Network-Powered Nonlinear Compensation Framework for High-Speed Continuous Variable Quantum Key Distribution. IEEE Photonics Journal, 2022, 14, 1-8.	1.0	1
2007	Efficient Quantum Network Communication Using Optimized Entanglement Swapping Trees. IEEE Transactions on Quantum Engineering, 2022, 3, 1-20.	2.9	9

#	Article	IF	CITATIONS
2010	Discrete Modulation Continuous Variable Quantum Secret Sharing. International Journal of Theoretical Physics, 2022, 61, 1.	0.5	0
2011	Quantum Communication Using Semiconductor Quantum Dots. Advanced Quantum Technologies, 2022, 5, .	1.8	64
2014	qTReX : A semi-autonomous continuous-variable quantum key distribution system. , 2022, , .		1
2016	Single photon emission and recombination dynamics in self-assembled GaN/AlN quantum dots. Light: Science and Applications, 2022, 11, 114.	7.7	19
2017	An Overview on Deployment Strategies for Global Quantum Key Distribution Networks. Wireless Communications and Mobile Computing, 2022, 2022, 1-15.	0.8	4
2018	Quantum versus classical correlations in a double cavity optomechanical system. Journal of Physics B: Atomic, Molecular and Optical Physics, 2022, 55, 115501.	0.6	5
2019	Topological phases and entanglement in real space for 1D SSH topological insulator: effects of first and second neighbor-hoppings. Revista Mexicana De FÃsica, 2022, 68, .	0.2	1
2020	Control power of high-dimensional controlled dense coding. Physical Review A, 2022, 105, .	1.0	6
2021	Quantum Key Distribution over 658Âkm Fiber with Distributed Vibration Sensing. Physical Review Letters, 2022, 128, 180502.	2.9	38
2022	Experimental Side-Channel-Secure Quantum Key Distribution. Physical Review Letters, 2022, 128, .	2.9	11
2023	Challenges and Trends on Post-Quantum Cryptography. Transactions on Computer Systems and Networks, 2022, , 271-293.	0.5	1
2026	Receiver-device-independent quantum key distribution protocols. New Journal of Physics, 2022, 24, 063006.	1.2	4
2027	Monte Carlo-based security analysis for multi-mode continuous-variable quantum key distribution over underwater channel. Quantum Information Processing, 2022, 21, .	1.0	9
2028	DV-QKD Coexistence With 1.6 Tbps Classical Channels Over Hollow Core Fibre. Journal of Lightwave Technology, 2022, 40, 5522-5529.	2.7	8
2029	Practical Multipartite Entanglement Distribution in Noisy Channels. SSRN Electronic Journal, 0, , .	0.4	0
2030	Ultra-fast single-photon counting with waveguide-integrated detectors for quantum technologies. , 2022, , .		0
2031	Improved finite-key security analysis of quantum key distribution against Trojan-horse attacks. Quantum Science and Technology, 2022, 7, 035021.	2.6	12
2032	Mediated semi-quantum key distribution with improved efficiency. Quantum Science and Technology, 2022, 7, 035019.	2.6	11

#	Article	IF	CITATIONS
2033	Scalable Network for Simultaneous Pairwise Quantum Key Distribution via Entanglement-Based Time-Bin Coding. PRX Quantum, 2022, 3, .	3 <b>.</b> 5	19
2034	Rigorous calibration of homodyne detectionefficiency for continuous-variable quantum keydistribution. Optics Express, 0, , .	1.7	1
2035	Low-Rate Denial-of-Service Attack Detection: Defense Strategy Based on Spectral Estimation for CV-QKD. Photonics, 2022, 9, 365.	0.9	3
2036	A cluster-based networking approach for large-scale and wide-area quantum key agreement. Quantum Information Processing, 2022, 21, .	1.0	3
2037	Orbital angular momentum-encoded quantum digital signature over atmospheric channel. Quantum Information Processing, 2022, 21, .	1.0	5
2038	Experimental study of quantum uncertainty from lack of information. Npj Quantum Information, 2022, 8, .	2.8	1
2039	Quantum Microwave Photonics. Journal of Lightwave Technology, 2022, 40, 6616-6625.	2.7	5
2040	Quantum Networking and Communications at Oak Ridge National Laboratory. , 2022, , .		1
2041	Quantum Data Networking for Distributed Quantum Computing: Opportunities and Challenges. , 2022, , .		3
2042	Multi-Entanglement Routing Design over Quantum Networks. , 2022, , .		8
2042	Multi-Entanglement Routing Design over Quantum Networks., 2022,,  Modeling the effect of steering mirrors on polarization for free-space quantum key distribution. Optik, 2022, 265, 169434.	1.4	8
	Modeling the effect of steering mirrors on polarization for free-space quantum key distribution.	1.4	
2043	Modeling the effect of steering mirrors on polarization for free-space quantum key distribution. Optik, 2022, 265, 169434.  Optical Noise in a Free-Space Quantum Communications Link from Natural and Nuclear Disturbed		0
2043	Modeling the effect of steering mirrors on polarization for free-space quantum key distribution. Optik, 2022, 265, 169434.  Optical Noise in a Free-Space Quantum Communications Link from Natural and Nuclear Disturbed Environments. New Journal of Physics, 0, , .  Experimental Quantum Key Distribution with Integrated Silicon Photonics and Electronics. Physical	1.2	0
2043 2044 2045	Modeling the effect of steering mirrors on polarization for free-space quantum key distribution. Optik, 2022, 265, 169434.  Optical Noise in a Free-Space Quantum Communications Link from Natural and Nuclear Disturbed Environments. New Journal of Physics, 0, , .  Experimental Quantum Key Distribution with Integrated Silicon Photonics and Electronics. Physical Review Applied, 2022, 17, .  Sending-or-not-sending twin field quantum key distribution with imperfect vacuum sources. New	1.2	0 2 10
2043 2044 2045 2046	Modeling the effect of steering mirrors on polarization for free-space quantum key distribution. Optik, 2022, 265, 169434.  Optical Noise in a Free-Space Quantum Communications Link from Natural and Nuclear Disturbed Environments. New Journal of Physics, 0, , .  Experimental Quantum Key Distribution with Integrated Silicon Photonics and Electronics. Physical Review Applied, 2022, 17, .  Sending-or-not-sending twin field quantum key distribution with imperfect vacuum sources. New Journal of Physics, 2022, 24, 063014.  Optimal parameter estimation without consuming raw keys for continuous-variable quantum key	1.2 1.5	0 2 10 2
2043 2044 2045 2046 2047	Modeling the effect of steering mirrors on polarization for free-space quantum key distribution. Optik, 2022, 265, 169434.  Optical Noise in a Free-Space Quantum Communications Link from Natural and Nuclear Disturbed Environments. New Journal of Physics, 0, , .  Experimental Quantum Key Distribution with Integrated Silicon Photonics and Electronics. Physical Review Applied, 2022, 17, .  Sending-or-not-sending twin field quantum key distribution with imperfect vacuum sources. New Journal of Physics, 2022, 24, 063014.  Optimal parameter estimation without consuming raw keys for continuous-variable quantum key distribution. Journal of Physics B: Atomic, Molecular and Optical Physics, 2022, 55, 155502.	1.2 1.5 1.2	0 2 10 2 2

#	Article	IF	CITATIONS
2051	Single-photon sources based on asymmetric spatial multiplexing with optimized inputs. Physical Review A, 2022, 105, .	1.0	2
2052	Security in quantum cryptography. Reviews of Modern Physics, 2022, 94, .	16.4	74
2053	Phase Compensation for Continuous Variable Quantum Key Distribution Based on Convolutional Neural Network. Photonics, 2022, 9, 463.	0.9	3
2054	Simulating quantum repeater strategies for multiple satellites. Communications Physics, 2022, 5, .	2.0	16
2055	Post-matching quantum conference key agreement. Optics Express, 2022, 30, 28865.	1.7	5
2056	Robust and adaptable quantum key distribution network without trusted nodes. Optica, 2022, 9, 812.	4.8	55
2057	Impact of homodyne receiver bandwidth and signal modulation patterns on the continuous-variable quantum key distribution. Optics Express, 2022, 30, 27912.	1.7	1
2058	6G Scenarios and Network Design Principles. Journal of Machine and Computing, 2022, , 95-97.	0.6	2
2059	Advances in Mid-Infrared Single-Photon Detection. Photonics, 2022, 9, 470.	0.9	14
2060	Modelling efficient BB84 with applications for medium-range, terrestrial free-space QKD. New Journal of Physics, 2022, 24, 075002.	1.2	4
2061	Authenticated Multiparty Quantum Key Agreement for Optical-Ring Quantum Communication Networks. Frontiers in Physics, 0, $10$ , .	1.0	1
2062	Unbalanced-basis-misalignment-tolerant measurement-device-independent quantum key distribution. Optica, 2022, 9, 886.	4.8	12
2063	Twin physically unclonable functions based on aligned carbon nanotube arrays. Nature Electronics, 2022, 5, 424-432.	13.1	19
2065	Mode-pairing quantum key distribution. Nature Communications, 2022, 13, .	5.8	56
2066	Continuous-variable quantum key distribution with low-complexity information reconciliation. Optics Express, 2022, 30, 30455.	1.7	9
2067	Improved reference-frame-independent quantum key distribution. Optics Letters, 2022, 47, 4219.	1.7	5
2068	Continuous-Variable Quantum Key Distribution Without Synchronized Clocks. Physical Review Applied, 2022, 18, .	1.5	5
2069	Security of quantum key distribution with detection-efficiency mismatch in the multiphoton case. Quantum - the Open Journal for Quantum Science, 0, 6, 771.	0.0	2

#	Article	IF	Citations
2070	Continuous-variable quantum key distribution in a multi-way setting. , 2022, , .		0
2071	A device-independent quantum key distribution system for distant users. Nature, 2022, 607, 687-691.	13.7	78
2072	Practical multipartite entanglement distribution in noisy channels. Results in Physics, 2022, 40, 105830.	2.0	2
2073	Experimental quantum key distribution certified by Bell's theorem. Nature, 2022, 607, 682-686.	13.7	72
2074	Entanglement-based Satellite FSO/QKD System using Dual-Threshold/Direct Detection. , 2022, , .		3
2075	Towards a Characterization of the Covert Capacity of Bosonic Channels under Trace Distance. , 2022, , .		3
2076	High-Dimensional Quantum Conference Key Agreement. , 2022, , .		1
2077	Photon blockade and single-photon generation with multiple quantum emitters. Physical Review Research, 2022, 4, .	1.3	7
2078	Authentication of smart grid communications using quantum key distribution. Scientific Reports, 2022, 12, .	1.6	7
2079	Security of Optical Beam Splitter in Quantum Key Distribution. Photonics, 2022, 9, 527.	0.9	4
2080	Quantum Key Distribution: Modeling and Simulation through BB84 Protocol Using Python3. Sensors, 2022, 22, 6284.	2.1	4
2081	Optimal design and performance evaluation of free-space quantum key distribution systems. Quantum Science and Technology, 2022, 7, 045029.	2.6	5
2082	Security of a High Dimensional Twoâ€Way Quantum Key Distribution Protocol. Advanced Quantum Technologies, 2022, 5, .	1.8	3
2084	Quantum key Distribution with a Hand-Held Sender Unit. Physical Review Applied, 2022, 18, .	1.5	10
2085	Quantum distributed deep learning architectures: Models, discussions, and applications. ICT Express, 2023, 9, 486-491.	3.3	10
2086	Extracting More Quantum Randomness With Non-Uniform Quantization. IEEE Photonics Journal, 2022, 14, 1-6.	1.0	1
2087	Numerical method for finite-size security analysis of quantum key distribution. Physical Review Research, 2022, 4, .	1.3	6
2088	Practical continuous-variable quantum key distribution with composable security. Nature Communications, 2022, 13, .	5.8	36

#	ARTICLE	IF	Citations
2089	Enhanced unconventional photon-blockade effect in one- and two-qubit cavities interacting with nonclassical light. Physical Review A, 2022, 106, .	1.0	8
2090	Generalized uncertainty relations for multiple measurements. AAPPS Bulletin, 2022, 32, .	2.7	2
2091	Cubic nonlinear squeezing and its decoherence. Optics Express, 2022, 30, 31456.	1.7	4
2092	Quantum Repeaters with Encoding on Nitrogen-Vacancy-Center Platforms. Physical Review Applied, 2022, 18, .	1.5	3
2093	A simple relation of guessing probability in quantum key distribution. New Journal of Physics, 0, , .	1.2	1
2094	Quantum Information Theory in Infinite Dimensions with Application to Optical Channels. Journal of the Indian Institute of Science, 2023, 103, 527-546.	0.9	0
2095	Practical Side-Channel Attack on Free-Space QKD Systems With Misaligned Sources and Countermeasures. IEEE Access, 2022, 10, 82697-82705.	2.6	5
2096	Security analysis of discretized polar modulation continuous-variable quantum key distribution. Optics Express, 2022, 30, 36122.	1.7	1
2097	Temperature characterizations of silica asymmetric Mach-Zehnder interferometer chip for quantum key distribution. Chinese Physics B, 2023, 32, 010305.	0.7	1
2098	Quantum key distribution., 2022,, 215-272.		0
2099	Fundamentals of Quantum Key Distribution. , 2022, , 1-28.		3
2100	Security of Satellite-Terrestrial Communications: Challenges and Potential Solutions. IEEE Access, 2022, 10, 96038-96052.	2.6	12
2101	Efficient Twin-Field Quantum Key Distribution with Heralded Single-Photon Source. SSRN Electronic Journal, 0, , .	0.4	0
2102	Patterning-Effect Calibration Algorithm for Secure Decoy-State Quantum Key Distribution. Journal of Lightwave Technology, 2023, 41, 75-82.	2.7	3
2103	A Conceptual Framework for Scaling and Security in Serverless Environments Using Blockchain and Quantum Key Distribution. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 157-182.	0.5	0
2104	Quality of Service Media Access Control of Quantum Key Distribution Networks., 2022,, 109-133.		O
2105	Prisoners' Dilemma in a Spatially Separated System Based on Spin–Photon Interactions. Photonics, 2022, 9, 617.	0.9	1
2106	Multi-party deterministic secure quantum communication using d-dimension GHZ state. Modern Physics Letters B, 2022, 36, .	1.0	1

#	Article	IF	CITATIONS
2107	Simultaneous two-way classical communication and measurement-device-independent quantum key distribution on oceanic quantum channels. Communications in Theoretical Physics, 2022, 74, 125102.	1.1	1
2108	NISQ computing: where are we and where do we go?. AAPPS Bulletin, 2022, 32, .	2.7	38
2109	Robust Interior Point Method for Quantum Key Distribution Rate Computation. Quantum - the Open Journal for Quantum Science, 0, 6, 792.	0.0	7
2110	Advances in Chip-Based Quantum Key Distribution. Entropy, 2022, 24, 1334.	1.1	16
2111	Experimental symmetric private information retrieval with measurement-device-independent quantum network. Light: Science and Applications, 2022, 11, .	7.7	6
2112	The Rationale for the Optimal Continuous-Variable Quantum Key Distribution Protocol. Optics, 2022, 3, 338-351.	0.6	2
2113	Experimental Semi-quantum Key Distribution With Classical Users. Quantum - the Open Journal for Quantum Science, 0, 6, 819.	0.0	4
2114	Experimental Genuine Tripartite Nonlocality in a Quantum Triangle Network. PRX Quantum, 2022, 3, .	3.5	9
2115	Security analysis for a mutually partially unbiased bases–based protocol. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 2823.	0.9	1
2116	On the design and analysis of near-term quantum network protocols using Markov decision processes. AVS Quantum Science, 2022, 4, .	1.8	3
2117	Improved semi-quantum key distribution with two almost-classical users. Quantum Information Processing, 2022, 21, .	1.0	5
2118	Universal approach to sending-or-not-sending twin field quantum key distribution. Quantum Science and Technology, 2022, 7, 045031.	2.6	4
2119	Two-mode photon added SchrĶdinger cat states: nonclassicality and entanglement. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 2984.	0.9	2
2120	Utilizing broadband wavelength-division multiplexing capabilities of hollow-core fiber forÂquantum communications. Applied Optics, 2022, 61, 8959.	0.9	2
2121	Quantum orbital angular momentum in fibers: A review. AVS Quantum Science, 2022, 4, 031701.	1.8	6
2122	Fully integrated four-channel wavelength-division multiplexed QKD receiver. Optica, 2022, 9, 1121.	4.8	7
2123	A Novel QKD Approach to Enhance IIOT Privacy and Computational Knacks. Sensors, 2022, 22, 6741.	2.1	26
2124	Optimizing Continuous-Variable Quantum Key Distribution with Phase-Shift Keying Modulation and Postselection. Physical Review Applied, 2022, 18, .	1.5	9

#	Article	IF	CITATIONS
2125	Efficient twin-field quantum key distribution with heralded single-photon source. Physica A: Statistical Mechanics and Its Applications, 2022, 608, 128228.	1.2	1
2126	Quantum-to-classical transition in a spin star network. Pramana - Journal of Physics, 2022, 96, .	0.6	0
2127	On single-photon and classical interference. Physica Scripta, 2022, 97, 114004.	1.2	6
2128	Time bin quantum key distribution protocols for free space communications. , 2022, , .		O
2129	Saturation attack on discretely modulated continuous-variable quantum key distribution over an atmospheric turbulence channel. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 2889.	0.9	0
2130	Security research on practical measurement-device-independent quantum key distribution. Physical Review A, 2022, 106, .	1.0	1
2131	Protecting Fiber-Optic Quantum Key Distribution Sources against Light-Injection Attacks. PRX Quantum, 2022, 3, .	3.5	12
2132	Detecting the possibility of a type of photon number splitting attack in decoy-state quantum key distribution. Chinese Physics B, 0, , .	0.7	0
2133	Distributing Polarization-Entangled Photon Pairs with High Rate Over Long Distances through Standard Telecommunication Fiber. Physical Review Applied, 2022, 18, .	1.5	1
2134	Rate-Compatible LDPC Codes for Continuous-Variable Quantum Key Distribution in Wide Range of SNRs Regime. Entropy, 2022, 24, 1463.	1.1	3
2135	Crossâ€Encoded Quantum Key Distribution Exploiting Timeâ€Bin and Polarization States with Qubitâ€Based Synchronization. Advanced Quantum Technologies, 0, , 2200051.	1.8	4
2136	Blind reconciliation based on inverse encoding of polar codes with adaptive step sizes for quantum key distribution. Quantum Information Processing, 2022, 21, .	1.0	0
2137	APR-QKDN: A Quantum Key Distribution Network Routing Scheme Based on Application Priority Ranking. Entropy, 2022, 24, 1519.	1.1	3
2138	Anti-Stokes excitation of optically active point defects in semiconductor materials. Materials for Quantum Technology, 2022, 2, 042001.	1.2	2
2139	Field-Deployable Quantum Memory for Quantum Networking. Physical Review Applied, 2022, 18, .	1.5	9
2140	The QQUIC Transport Protocol: Quantum-Assisted UDP Internet Connections. Entropy, 2022, 24, 1488.	1.1	1
2141	Encryption chain based on measurement result and its applications on semi-quantum key distribution protocol. Scientific Reports, 2022, $12$ , .	1.6	2
2142	Integrated QKD and QRNG Photonic Technologies. Journal of Lightwave Technology, 2022, , 1-20.	2.7	0

#	Article	IF	CITATIONS
2143	Toward Practical Entanglement-Based Satellite FSO/QKD Systems Using Dual-Threshold/ Direct Detection. IEEE Access, 2022, 10, 113260-113274.	2.6	4
2144	Ring resonator networks as physical unclonable keys. , 2022, , .		0
2145	High-speed Long-hual Probabilistic Shaped QAM Quantum Noise Stream Cipher Transmission. , 2022, , .		1
2146	A Comparison of Several Implementations of B92 Quantum Key Distribution Protocol., 2022,,.		2
2147	Quantum Key Distribution: A Security Solution for 5G-based IoT Networks. , 2022, , .		1
2148	Theoretical analysis of quantum key distribution systems when integrated with a DWDM optical transport network. Journal of the Optical Society of America B: Optical Physics, 2023, 40, 63.	0.9	1
2149	Modulator vulnerability in continuous-variable quantum key distribution., 2022,,.		1
2150	Conventional photon blockade in a four-wave mixing system with Kerr nonlinearity. Physica Scripta, 0,	1.2	0
2151	Pre-established entanglement distribution algorithm in quantum networks. Journal of Optical Communications and Networking, 2022, 14, 1020.	3.3	4
2152	Distributing entanglement in first-generation discrete- and continuous-variable quantum repeaters. Physical Review A, 2022, 106, .	1.0	1
2153	Privacy-Preserving Regulation Capacity Evaluation for HVAC Systems in Heterogeneous Buildings Based on Federated Learning and Transfer Learning. IEEE Transactions on Smart Grid, 2023, 14, 3535-3549.	6.2	6
2154	Gaussian-modulated continuous-variable quantum key distribution based on untrusted entanglement source. Wuli Xuebao/Acta Physica Sinica, 2023, 72, 040301.	0.2	1
2155	Security against Collective Attacks for a Continuous-Variable Quantum Key Distribution Protocol Using Homodyne Detection and Postselection. Journal of the Physical Society of Japan, 2023, 92, .	0.7	0
2156	An efficient and high-speed two-stage decoding scheme for continuous-variable quantum key distribution system. , 2023, , .		0
2157	Mode-pairing quantum key distribution based on pulse-position modulation. Optik, 2023, 272, 170367.	1.4	2
2158	Deciphering the photophysical properties of near-infrared quantum emitters in AlGaN films by transition dynamics. Nanoscale, 2022, 14, 18115-18122.	2.8	3
2159	Privacy-Preserving Intelligent Resource Allocation for Federated Edge Learning in Quantum Internet. IEEE Journal on Selected Topics in Signal Processing, 2023, 17, 142-157.	7.3	6
2160	Orbital Angular Momentum in Fibers. Journal of Lightwave Technology, 2023, 41, 1934-1962.	2.7	4

#	Article	IF	CITATIONS
2161	Pre-Distribution of Entanglements in Quantum Networks. , 2022, , .		4
2162	A Comparative study on state of art Cryptographic key distribution with quantum networks. , 2022, , .		1
2163	Modulation leakage-free continuous-variable quantum key distribution. Npj Quantum Information, 2022, 8, .	2.8	7
2164	Quick Quantum Steering: Overcoming Loss and Noise with Qudits. Physical Review X, 2022, 12, .	2.8	8
2165	Satellite-based continuous-variable quantum key distribution under the Earth's gravitational field. Quantum Information Processing, 2022, 21, .	1.0	3
2166	Quantum security and theory of decoherence. New Journal of Physics, 2022, 24, 113054.	1.2	0
2167	Historical Roots and Seminal Papers of Quantum Technology 2.0. NanoEthics, 2022, 16, 271-296.	0.5	3
2168	Site-To-Site Tunnels Authenticated by Quantum Keys. , 2022, , .		0
2169	An Algorithm to Decrease the Key Distribution Error Rate Using Pulsars. , 2022, , .		0
2170	Metrology Challenges in Quantum Key Distribution. Journal of Physics: Conference Series, 2022, 2416, 012005.	0.3	0
2171	Deploying an Interâ€European Quantum Network. Advanced Quantum Technologies, 2023, 6, .	1.8	22
2172	Improved Coherent One-Way Quantum key Distribution for High-Loss Channels. Physical Review Applied, 2022, 18, .	1.5	3
2173	Antibunched two-mode two-photon bundles via atomic coherence. Physical Review A, 2022, 106, .	1.0	1
2174	Supporting multiple entanglement flows through a continuous-variable quantum repeater. Physical Review A, 2022, $106$ , .	1.0	3
2175	High-capacity quantum key distribution based on hyperentangled Bell states and hyper-encoding. International Journal of Quantum Information, 2022, 20, .	0.6	1
2176	Stochastic Model of Sub-Poissonian Quantum Light in an Interband Cascade Laser. Physical Review Applied, 2022, 18, .	1.5	2
2177	Polarizer-free measurement of the full Stokes vector using a fiber-coupled superconducting nanowire single photon detector with a polarization extinction ratio of â <sup>1</sup> /42. Optics Express, 2023, 31, 2967.	1.7	1
2178	Improved DIQKD protocols with finite-size analysis. Quantum - the Open Journal for Quantum Science, 0, 6, 880.	0.0	9

#	Article	IF	CITATIONS
2179	Continuous Variable Controlled Quantum Conference. Foundations of Physics, 2023, 53, .	0.6	1
2180	Quantum receiver enhanced by adaptive learning. Light: Science and Applications, 2022, 11, .	7.7	2
2181	The Principles, Algorithms and State-of-Art Applications of Quantum Computing. Journal of Physics: Conference Series, 2022, 2386, 012025.	0.3	1
2182	Fidelity bounds for device-independent advantage distillation. Npj Quantum Information, 2022, 8, .	2.8	1
2183	Daylight entanglement-based quantum key distribution with a quantum dot source. Quantum Science and Technology, 2023, 8, 025002.	2.6	11
2184	Finite sampling bandwidth effect on practical security of discretely modulated continuous-variable quantum key distribution. Quantum Information Processing, 2023, 22, .	1.0	0
2185	Analysis of an injection-locking-loophole attack from an external source for quantum key distribution. Physical Review A, 2022, 106, .	1.0	2
2186	Efficient room-temperature molecular single-photon sources for quantum key distribution. Optics Express, 2023, 31, 9437.	1.7	16
2187	Generation of time-bin-encoded photons in an ion-cavity system. New Journal of Physics, 2022, 24, 123028.	1.2	0
2188	Genuine tripartite entanglement of W state subject to Hawking effect of a Schwarzschild black hole. Europhysics Letters, 2023, 141, 18001.	0.7	3
2189	Classification of quantum correlation using deep learning. Optics Express, 2023, 31, 3479.	1.7	2
2190	Device-Independent Quantum Secure Direct Communication with Single-Photon Sources. Physical Review Applied, 2023, 19, .	1.5	30
2191	Multi-rate and multi-protocol continuous-variable quantum key distribution. Optics Letters, 2023, 48, 719.	1.7	3
2192	Continuous-variable quantum key distribution with on-chip light sources. Photonics Research, 2023, 11, 504.	3.4	9
2194	LWR-based Quantum-Safe Pseudo-Random Number Generator. Journal of Information Security and Applications, 2023, 73, 103431.	1.8	0
2195	Cryptanalysis and improvement of the measurement-device-independent quantum key distribution with hyper-encoding. Modern Physics Letters A, 2022, 37, .	0.5	0
2196	A laser source driver in 0.18 <i><math>\hat{l}^{1}/4</math></i> m SiGe BiCMOS technology for high speed quantum key distribution. AIP Advances, 2022, 12, 125025.	0.6	2
2197	Nonlocal Detection of Interlayer Three-Magnon Coupling. Physical Review Letters, 2023, 130, .	2.9	10

#	ARTICLE	IF	CITATIONS
2198	On the Security of Offloading Post-Processing for Quantum Key Distribution. Entropy, 2023, 25, 226.	1.1	1
2199	High-dimensional quantum key distribution implemented with biphotons. Scientific Reports, 2023, 13, .	1.6	3
2200	Simulating the Photon Statistics of Multimode Gaussian States by Automatic Differentiation of Generating Functions. APL Photonics, $0$ , , .	3.0	2
2201	Securing Optical Networks Using Quantum-Secured Blockchain: An Overview. Sensors, 2023, 23, 1228.	2.1	6
2202	Eavesdropping a quantum key distribution network using sequential quantum unsharp measurement attacks. European Physical Journal Plus, 2023, 138, .	1.2	3
2203	High-fidelity continuous-variable quantum key distribution via the proper combination of zero-photon catalysis and quantum scissors. Journal of the Optical Society of America B: Optical Physics, 2023, 40, 661.	0.9	1
2204	Variational Quantum Optimization of Nonlocality in Noisy Quantum Networks. IEEE Transactions on Quantum Engineering, 2023, 4, 1-27.	2.9	4
2205	One-Pixel Attack for Continuous-Variable Quantum Key Distribution Systems. Photonics, 2023, 10, 129.	0.9	5
2206	Continuous variable quantum key distribution with a shared partially characterized entangled source. Photonics Research, 2023, 11, 463.	3.4	9
2207	Fundamental Limits of Thermal-noise Lossy Bosonic Multiple Access Channel. , 2022, , .		1
2208	IC-LDPC Polar codes-based reconciliation for continuous-variable quantum key distribution at low signal-to-noise ratio. Laser Physics Letters, 2023, 20, 045201.	0.6	4
2209	Improved Finite-Key Security Analysis of Measurement-Device-Independent Quantum Key Distribution Against a Trojan-Horse Attack. Physical Review Applied, 2023, 19, .	1.5	3
2210	Fate of multiparticle entanglement when one particle becomes classical. Physical Review A, 2023, 107, .	1.0	1
2211	A secure deterministic remote state preparation via a seven-qubit entangled channel of a two-qubit entangled state under the impact of quantum noise. Optics Communications, 2023, 535, 129352.	1.0	2
2212	Unconventional photon blockade in four mode coupled optomechanical system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2023, 462, 128653.	0.9	1
2213	Discrete-modulation continuous-variable quantum key distribution with a high key rate. New Journal of Physics, 2023, 25, 023019.	1.2	7
2214	Long term experimental verification of a single chip quantum random number generator fabricated on the InP platform. EPJ Quantum Technology, 2023, 10, .	2.9	1
2215	Quantum direct communication protocol using recurrence in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>k</mml:mi></mml:math> -cycle quantum walks. Physical Review A, 2023, 107, .	1.0	6

#	Article	IF	CITATIONS
2217	Performance analysis of quantum repeaters enabled by deterministically generated photonic graph states. Quantum - the Open Journal for Quantum Science, 0, 7, 924.	0.0	1
2218	Measuring ultrafast time-bin qudits. Physical Review A, 2023, 107, .	1.0	2
2219	Multipartite quantum cryptography based on the violation of Svetlichnyâ $\in$ <sup>TM</sup> s inequality. European Physical Journal D, 2023, 77, .	0.6	2
2220	Free-Space Quantum Secure Direct Communication: Basics, Progress, and Outlook. Advanced Devices & Instrumentation, 2023, 4, .	4.0	12
2221	Intensity Tomography Method for Secure and High-Performance Quantum Key Distribution. Journal of Lightwave Technology, 2023, 41, 4895-4900.	2.7	0
2222	Covert information sharing via ghost displacement. Physical Review A, 2023, 107, .	1.0	1
2223	Experimental demonstration of 201.6-Gbit/s coherent probabilistic shaping QAM transmission with quantum noise stream cipher over a 1200-km standard single mode fiber. Optics Express, 2023, 31, 11344.	1.7	8
2224	A Novel Security Survival Model for Quantum Key Distribution Networks Enabled by Software-Defined Networking. IEEE Access, 2023, 11, 21641-21654.	2.6	7
2225	Security of device-independent quantum key distribution protocols: a review. Quantum - the Open Journal for Quantum Science, 0, 7, 932.	0.0	11
2226	Symmetric bidirectional quantum teleportation using a six-qubit cluster state as a quantum channel. Pramana - Journal of Physics, 2023, 97, .	0.6	4
2227	Integrated photonics in quantum technologies. Rivista Del Nuovo Cimento, 2023, 46, 71-103.	2.0	6
2228	Field-trial quantum key distribution between Sicily and Malta. , 2023, , .		0
2229	Long-distance entanglement distribution through satellite intermediary entanglement swapping. , 2023, , .		0
2230	Quantum key distribution over FSO channel using error reconciliation protocol. Wireless Networks, 0, , .	2.0	0
2231	Nonreciprocal photon blockade in a spinning resonator coupled to two two-level atoms. Science China: Physics, Mechanics and Astronomy, 2023, 66, .	2.0	8
2232	Dictionary Learning Based Scheme for Adversarial Defense in Continuous-Variable Quantum Key Distribution. Entropy, 2023, 25, 499.	1.1	2
2233	Nonreciprocal Unconventional Photon Blockade With Spinning Two-mode Cavity Coupled via $\ddot{ }\pm \sup(2)$ Nonlinearities. International Journal of Quantum Information, 0, , .	0.6	0
2234	Quantum switching between nonclassical correlated single photons and two-photon bundles in a two-photon Jaynes-Cummings model. Optics Express, 2023, 31, 12471.	1.7	1

#	Article	IF	CITATIONS
2235	Quantum Coding via Quasi-Cyclic Block Matrix. Entropy, 2023, 25, 537.	1.1	0
2236	Effect of the bonding layer and multigrading layers on the performance of a wafer-bonded InGaAs/Si single-photon detector. Applied Optics, 2023, 62, 3125.	0.9	О
2237	Towards a Multi-Pixel Photon-to-Digital Converter for Time-Bin Quantum Key Distribution. Sensors, 2023, 23, 3376.	2.1	0
2238	Hacking measurement-device-independent quantum key distribution. Optica, 2023, 10, 520.	4.8	5
2239	Plugâ€andâ€Play Continuous Variable Measurementâ€Deviceâ€Independent Quantum Key Distribution. Annalen Der Physik, 2023, 535, .	0.9	3
2240	Regression-decision-tree based parameter optimization of measurement-device-independent quantum key distribution. Wuli Xuebao/Acta Physica Sinica, 2023, 72, 110304.	0.2	1
2241	Quantum Network Architecture and Its Topology. Studies in Computational Intelligence, 2023, , 183-200.	0.7	0
2242	Quantum privacyâ€preserving service for secure lane change in vehicular networks. IET Quantum Communication, 2023, 4, 103-111.	2.2	O
2243	Twin-field quantum key distribution with three mutually unbiased bases. Physical Review A, 2023, 107, .	1.0	1
2244	Accurate Shot-Noise-Limited Calibration of a Time-Domain Balanced Homodyne Detector for Continuous-Variable Quantum Key Distribution. Journal of Lightwave Technology, 2023, 41, 5518-5528.	2.7	1
2245	海冰å⁻¹æ°´ä¸·é‡åé€šä¿¡ä¿¡é°æ€§èƒ½ç的影哕 Guangxue Xuebao/Acta Optica Sinica, 2023, 43, 0601009.	0.2	0
2246	Scalable high-rate twin-field quantum key distribution networks without constraint of probability and intensity. Physical Review A, 2023, 107, .	1.0	10
2247	Simulating quantum key distribution in fiber-based quantum networks. Journal of Defense Modeling and Simulation, 0, , 154851292311549.	1.2	1
2248	Rate-Adaptive Polar-Coding-Based Reconciliation for Continuous-Variable Quantum Key Distribution at Low Signal-to-Noise Ratio. Physical Review Applied, 2023, 19, .	1.5	2
2249	Circular mediated semi-quantum key distribution. Quantum Information Processing, 2023, 22, .	1.0	6
2250	Key-count differential-based proactive key relay algorithm for scalable quantum-secured networking. Journal of Optical Communications and Networking, 2023, 15, 282.	3.3	2
2251	Machine-learning-based device-independent certification of quantum networks. Physical Review Research, 2023, 5, .	1.3	0
2252	Sequential reattempt of telecloning. Physical Review A, 2023, 107, .	1.0	2

#	Article	IF	Citations
2253	BB84 quantum key distribution transmitter utilising broadband sources and a narrow spectral filter. Optics Express, 2023, 31, 15145.	1.7	1
2254	Deploying hybrid quantum-secured infrastructure for applications: When quantum and post-quantum can work together. , 0, 2, .		0
2255	Semi-Empirical Satellite-to-Ground Quantum Key Distribution Model for Realistic Receivers. Entropy, 2023, 25, 670.	1.1	2
2256	Realizing strong photon blockade at exceptional points in the weak coupling regime. Frontiers in Physics, 0, $11$ , .	1.0	0
2259	InP-based CV-QKD PIC Transmitter. , 2023, , .		0
2262	Demonstration of Quantum Channel Monitoring via Quantum Wrappers. , 2023, , .		0
2263	Towards Optimized Demand Routing in QKD Networks., 2023,,.		0
2264	Controllable Passive Multi-polarization-states Generator based on Silicon Photonics for Quantum Communication. , 2023, , .		0
2297	Demonstration of Quantum Channel Monitoring via Quantum Wrappers., 2023,,.		1
2298	InP-based CV-QKD PIC Transmitter., 2023,,.		0
2299	Towards Optimized Demand Routing in QKD Networks. , 2023, , .		0
2300	Controllable Passive Multi-polarization-states Generator based on Silicon Photonics for Quantum Communication., 2023,,.		0
2319	Hybrid BBM92 approach for GEOQKD – lab implementation and future perspectives. , 2023, , .		0
2322	Advances in entanglement-based QKD for space applications. , 2023, , .		1
2324	Recent progress in quantum photonic chips for quantum communication and internet. Light: Science and Applications, 2023, 12, .	7.7	21
2325	Atomic vapor quantum memory for on-demand semiconductor single photon sources. , 2023, , .		0
2327	Enhancing theÂSecurity ofÂSoftware Defined Networks viaÂQuantum Key Distribution andÂPost-Quantum Cryptography. Lecture Notes in Networks and Systems, 2023, , 428-437.	0.5	0
2331	Secure and Agile 6G Networking – Quantum and AI Enabling Technologies. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
2332	VPN Protection with QKD-Derived Keys Using Standard Interfaces. , 2023, , .		1
2334	Free-space optical link for quantum key distribution using unmanned vehicle., 2023,,.		0
2337	Quantum Photonics Enhances Continuous Variable Quantum Key Distribution., 2023,,.		0
2340	Optical Networks Perspectives to Support Future Connectivity. , 2023, , .		0
2343	Protocols Using Single Quantum Systems. , 2022, , .		0
2349	The Roadmap to a Quantum-Enabled Wireless Metaverse: Beyond the Classical Limits., 2023,,.		1
2351	Entanglement-Assisted Covert Communication via Qubit Depolarizing Channels. , 2023, , .		1
2353	Comparison between Homodyne and PNR Detection Schemes for Quantum Key Distribution., 2023,,.		0
2366	Hardware and software demonstrator of universal microwave photonic quantum key distribution system for youth WorldSkills championships and educational purposes., 2023,,.		0
2373	Quantum Cryptography: Mathematical Modelling and Security Analysis. , 2023, , .		0
2380	Benchmarking entanglement-based QKD protocols in noisy channels. , 2023, , .		0
2384	Source Engineering for Quantum Key Distribution with Noisy Photon-Added Squeezed States. , 2023, , .		0
2398	Quantum Key Distribution in Access Networks. , 2023, , 1-22.		0
2399	Al-Enabled Routing in Next-Gen Networks: A Brief Overview. , 2023, , .		1
2400	Entanglement in High-Energy Physics: An Overview. , 0, , .		0
2401	Symmetric Key Cryptography: Review, Algorithmic Insights, and Challenges in the Era of Quantum Computers., 2023,,.		0
2402	Digital Space Economic Transformation Design: An Innovation Ecosystem Approach., 2023,,.		0
2403	Semi-Quantum Random Number Generation. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
2404	A Taxonomy of QKA Protocols Based on the BB84. , 2023, , .		0
2408	Network Security and Trustworthiness. Signals and Communication Technology, 2024, , 747-762.	0.4	O
2409	An efficient modification to the ping-pong protocol to enhance the security. AIP Conference Proceedings, 2023, , .	0.3	0
2416	Secure Communication Through Quantum Channels: A Study of Quantum Cryptography. Lecture Notes in Networks and Systems, 2023, , 299-305.	0.5	0
2425	Spread Photon Transceiver for Quantum Secure Communications. , 2023, , .		0
2426	Ultra low density and high performance InAs quantum dot single photon emitters. , 2023, , .		0
2432	Maximizing Key Distribution Capability: An Application in Quantum Cryptography., 2023,,.		0
2433	Generation and Distribution of GHZ States in Quantum Networks., 2023,,.		1
2435	Timeslot-Aware Shared Protection Scheme with Dynamic Request Adjustment in QKD Optical Networks. , 2023, , .		0
2436	ARMOS 2.0: an ultra-secure commercial QKD product against PNS attacks. , 2023, , .		0
2440	A method of quantum communication using sideband-modulated infrared emission. , 2024, , .		0
2441	Amplification pulse signals a single-photon detector based on an avalanche photodiode. , 2024, , .		0
2443	Using Quantum Natural Language Processing forÂSentiment Classification andÂNext-Word Prediction inÂSentences Without Fixed Syntactic Structure. Communications in Computer and Information Science, 2024, , 235-243.	0.4	0
2449	Quantum Cryptography for Enhanced Network Security: A Comprehensive Survey of Research, Developments, and Future Directions., 2023,,.		1
2455	Quantum Man-in-the-Middle Attacks on QKD Protocols: Proposal of a Novel Attack Strategy. , 2023, , .		0
2458	The Convergence of Quantum Computing and Blockchain. Advances in Computer and Electrical Engineering Book Series, 2024, , 418-436.	0.2	0
2460	High Performance Error Correction Under Low SNR Based on Deep Neural Network. , 2023, , .		0
2464	Future of Cryptography in the Era of Quantum Computing. Lecture Notes in Electrical Engineering, 2024, , 13-31.	0.3	0

#	Article	IF	CITATIONS
2467	Free Space Quantum Key Distribution using the Differential Phase Shift Protocol in Urban Daylight. , 2024, , .		0
2468	Quantum Internet of Things for Smart Healthcare. , 2024, , 261-285.		0
2469	Quantum Key Distribution in Internet of Things. , 2024, , 233-259.		0
2487	Quantum Financial Technology. Contributions To Economics, 2024, , 105-134.	0.2	O