Go Kato

List of Publications by Year
in descending order

41 papers	641 citations	759233 12 h-index	610901 24 g-index
42 all docs	42 docs citations	42 times ranked	410 citing authors

#	Article	IF	Citations
1	Loss-tolerant quantum cryptography with imperfect sources. Physical Review A, 2014, 90, .	2.5	136
2	Quantum key distribution with correlated sources. Science Advances, 2020, 6, .	10.3	52
3	Next-nearest-neighbour correlation functions of the spin-1/2XXZchain at the critical region. Journal of Physics A, 2003, 36, L337-L344.	1.6	41
4	Aggregating quantum repeaters for the quantum internet. Physical Review A, 2017, 96, .	2.5	39
5	Third-neighbour and other four-point correlation functions of spin-1/2XXZchain. Journal of Physics A, 2004, 37, 5097-5123.	1.6	37
6	Tight finite-key security for twin-field quantum key distribution. Npj Quantum Information, 2021, 7, .	6.7	34
7	Versatile relative entropy bounds for quantum networks. New Journal of Physics, 2018, 20, 013033.	2.9	32
8	Quantum key distribution with setting-choice-independently correlated light sources. Npj Quantum Information, 2019, 5, .	6.7	29
9	Next Nearest-Neighbor Correlation Functions of the Spin-1/2XXZChain at Massive Region. Journal of the Physical Society of Japan, 2004, 73, 245-253.	1.6	28
10	Differential-phase-shift quantum-key-distribution protocol with a small number of random delays. Physical Review A, 2017, 95, .	2.5	19
11	Partition function for a one-dimensional $\hat{I}$-function Bose gas. Physical Review E, 2001, 63, 036106.	2.1	16
12	Linear programs for entanglement and key distribution in the quantum internet. Communications Physics, 2020, 3, .	5.3	13
13	Graphical representation of the partition function of a one-dimensional $\hat{I}$-function Bose gas. Journal of Mathematical Physics, 2001, 42, 4883-4893.	1.1	12
14	Secrecy and robustness for active attack in secure network coding. , 2017, , .		12
15	Explicit calculation of the partition function of a one-dimensional $\hat{I}$-function bose gas. Chaos, Solitons and Fractals, 2001, 12, 993-1003.	5.1	11
16	Single-shot secure quantum network coding on butterfly network with free public communication. Quantum Science and Technology, 2018, 3, 014001.	5.8	11
17	Statistical Mechanics of a One-Dimensional $\hat{I}$-function Bose Gas. Journal of the Physical Society of Japan, 2001, 70, 1924-1930.	1.6	10
18	Direct calculation of thermodynamic quantities for the Heisenberg model. Journal of Mathematical Physics, 2002, 43, 5060.	1.1	10

#	Article	IF	Citations
19	One-dimensional hard-core Bose gas. Chaos, Solitons and Fractals, 2002, 14, 23-28.	5.1	10
20	Optimal entanglement manipulation via coherent-state transmission. Physical Review A, 2012, 85, .	2.5	9
21	Information-theoretic security proof of differential-phase-shift quantum key distribution protocol based on complementarity. Quantum Science and Technology, 2018, 3, 014003.	5.8	9
22	Semi-automated verification of security proofs of quantum cryptographic protocols. Journal of Symbolic Computation, 2016, 73, 192-220.	0.8	7
23	Perfect discrimination of nonorthogonal quantum states with posterior classical partial information. Physical Review A, 2019, 99, .	2.5	7
24	Security of six-state quantum key distribution protocol with threshold detectors. Scientific Reports, 2016, 6, 30044.	3.3	6
25	Security of quantum key distribution with iterative sifting. Quantum Science and Technology, 2018, 3, 014002.	5.8	6
26	Security of round-robin differential-phase-shift quantum-key-distribution protocol with correlated light sources. Physical Review A, 2021, 104, .	2.5	6
27	Probing an untouchable environment for its identification and control. Physical Review A, 2015, 91, .	2.5	5
28	Reduction Theorem for Secrecy over Linear Network Code for Active Attacks. Entropy, 2020, 22, 1053.	2.2	5
29	Quantum circuit for the proof of the security of quantum key distribution without encryption of error syndrome and noisy processing. Physical Review A, 2010, 81, .	2.5	4
30	Entanglement-assisted classical communication can simulate classical communication without causal order. Physical Review A, 2017, 96, .	2.5	4
31	Bounds for nonadiabatic transitions. Physical Review A, 2020, 102, .	2.5	4
32	Single-Shot Secure Quantum Network Coding for General Multiple Unicast Network With Free One-Way Public Communication. IEEE Transactions on Information Theory, 2021, 67, 4564-4587.	2.4	4
33	Single-Shot Secure Quantum Network Coding for General Multiple Unicast Network with Free Public Communication. Lecture Notes in Computer Science, 2017, , 166-187.	1.3	4
34	Optimal cloning of qubits from replicas of a qubit and its orthogonal states. Physical Review A, 2010, 82, .	2.5	3
35	Bipartite discrimination of independently prepared quantum states as a counterexample to a parallel repetition conjecture. Physical Review A, 2018, 97, .	2.5	3
36	Bethe ansatz cluster expansion method for a one-dimensional Î´-function Bose gas. Chaos, Solitons and Fractals, 2003, 15, 849-858.	5.1	1

#	Article	IF	Citations
37	Bethe Ansatz Cluster Expansion Method for Quantum Integrable Particle Systems. Journal of the Physical Society of Japan, 2004, 73, 1171-1179.	1.6	1
38	Statistical Mechanics of Quantum Integrable Systems. , 2004, , 193-207.		1
39	A direct calculation of the free energy from the Bethe ansatz equation for the Heisenberg model. Journal of Mathematical Physics, 2003, 44, 4189.	1.1	0
40	Hilbert Space Structure Induced by Quantum Probes. Proceedings (mdpi), 2019, 12, .	0.2	0
41	Algebra and Hilbert space structures induced by quantum probes. Annals of Physics, 2020, 412, 168046.	2.8	0