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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	Tight finite-key security for twin-field quantum key distribution. Npj Quantum Information, 2021, 7, .	6.7	34
2	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
3	Security of round-robin differential-phase-shift quantum-key-distribution protocol with correlated light sources. Physical Review A, 2021, 104, .	2.5	6
4	Algebra and Hilbert space structures induced by quantum probes. Annals of Physics, 2020, 412, 168046.	2.8	0
5	Bounds for nonadiabatic transitions. Physical Review A, 2020, 102, .	2.5	4
6	Quantum key distribution with correlated sources. Science Advances, 2020, 6, .	10.3	52
7	Reduction Theorem for Secrecy over Linear Network Code for Active Attacks. Entropy, 2020, 22, 1053.	2.2	5
8	Linear programs for entanglement and key distribution in the quantum internet. Communications Physics, 2020, 3, .	5.3	13
9	Hilbert Space Structure Induced by Quantum Probes. Proceedings (mdpi), 2019, 12, .	0.2	0
10	Quantum key distribution with setting-choice-independently correlated light sources. Npj Quantum Information, 2019, 5, .	6.7	29
11	Perfect discrimination of nonorthogonal quantum states with posterior classical partial information. Physical Review A, 2019, 99, .	2.5	7
12	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
13	Bipartite discrimination of independently prepared quantum states as a counterexample to a parallel repetition conjecture. Physical Review A, 2018, 97, .	2.5	3
14	Security of quantum key distribution with iterative sifting. Quantum Science and Technology, 2018, 3, 014002.	5.8	6
15	Single-shot secure quantum network coding on butterfly network with free public communication. Quantum Science and Technology, 2018, 3, 014001.	5.8	11
16	Versatile relative entropy bounds for quantum networks. New Journal of Physics, 2018, 20, 013033.	2.9	32
17	Aggregating quantum repeaters for the quantum internet. Physical Review A, 2017, 96, .	2.5	39
18	Differential-phase-shift quantum-key-distribution protocol with a small number of random delays. Physical Review A, 2017, 95, .	2.5	19

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19	Secrecy and robustness for active attack in secure network coding. , 2017, , .		12
20	Entanglement-assisted classical communication can simulate classical communication without causal order. Physical Review A, 2017, 96, .	2.5	4
21	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
22	Security of six-state quantum key distribution protocol with threshold detectors. Scientific Reports, 2016, 6, 30044.	3.3	6
23	Semi-automated verification of security proofs of quantum cryptographic protocols. Journal of Symbolic Computation, 2016, 73, 192-220.	0.8	7
24	Probing an untouchable environment for its identification and control. Physical Review A, 2015, 91, .	2.5	5
25	Loss-tolerant quantum cryptography with imperfect sources. Physical Review A, 2014, 90, .	2.5	136
26	Optimal entanglement manipulation via coherent-state transmission. Physical Review A, 2012, 85, .	2.5	9
27	Optimal cloning of qubits from replicas of a qubit and its orthogonal states. Physical Review A, 2010, 82, .	2.5	3
28	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
29	Third-neighbour and other four-point correlation functions of spin-1/2XXZchain. Journal of Physics A, 2004, 37, 5097-5123.	1.6	37
30	Bethe Ansatz Cluster Expansion Method for Quantum Integrable Particle Systems. Journal of the Physical Society of Japan, 2004, 73, 1171-1179.	1.6	1
31	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
32	Statistical Mechanics of Quantum Integrable Systems. , 2004, , 193-207.		1
33	Bethe ansatz cluster expansion method for a one-dimensional Î´-function Bose gas. Chaos, Solitons and Fractals, 2003, 15, 849-858.	5.1	1
34	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
35	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
36	Direct calculation of thermodynamic quantities for the Heisenberg model. Journal of Mathematical Physics, 2002, 43, 5060.	1.1	10

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37	One-dimensional hard-core Bose gas. Chaos, Solitons and Fractals, 2002, 14, 23-28.	5.1	10
38	Explicit calculation of the partition function of a one-dimensional Î´-function bose gas. Chaos, Solitons and Fractals, 2001, 12, 993-1003.	5.1	11
39	Statistical Mechanics of a One-Dimensional Î´-function Bose Gas. Journal of the Physical Society of Japan, 2001, 70, 1924-1930.	1.6	10
40	Partition function for a one-dimensional Î´-function Bose gas. Physical Review E, 2001, 63, 036106.	2.1	16
41	Graphical representation of the partition function of a one-dimensional Î´-function Bose gas. Journal of Mathematical Physics, 2001, 42, 4883-4893.	1.1	12