

# Toshihiko Sasaki

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

659  
citations

1040018

9  
h-index

713444

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

476  
citing authors

#	ARTICLE	IF	CITATIONS
1	Practical quantum key distribution protocol without monitoring signal disturbance. Nature, 2014, 509, 475-478.	27.8	262
2	Experimental quantum key distribution without monitoring signal disturbance. Nature Photonics, 2015, 9, 827-831.	31.4	85
3	Repeaterless quantum key distribution with efficient finite-key analysis overcoming the rate-distance limit. Nature Communications, 2019, 10, 3140.	12.8	65
4	Quantum key distribution with an efficient countermeasure against correlated intensity fluctuations in optical pulses. Npj Quantum Information, 2018, 4, .	6.7	62
5	Entanglement of indistinguishable particles. Physical Review A, 2011, 83, .	2.5	39
6	Finite-size security of continuous-variable quantum key distribution with digital signal processing. Nature Communications, 2021, 12, 252.	12.8	35
7	Exchange symmetry and multipartite entanglement. Physical Review A, 2008, 78, .	2.5	28
8	Security of the differential-quadrature-phase-shift quantum key distribution. Physical Review A, 2016, 94, .	2.5	10
9	A security proof of the round-robin differential phase shift quantum key distribution protocol based on the signal disturbance. Quantum Science and Technology, 2017, 2, 024006.	5.8	10
10	Refined security proof of the round-robin differential-phase-shift quantum key distribution and its improved performance in the finite-sized case. Physical Review A, 2019, 99, .	2.5	10
11	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
12	Complex probability measure and Aharonov's weak value. Progress of Theoretical and Experimental Physics, 2013, 2013, .	6.6	8
13	Blind quantum computation with a heralded single-photon source. Physical Review A, 2019, 99, .	2.5	7
14	Entanglement measures for intermediate separability of quantum states. Physical Review A, 2009, 79, .	2.5	6
15	Quantum key distribution with simply characterized light sources. Npj Quantum Information, 2019, 5, .	6.7	6
16	Line-of-sight quantum key distribution with differential phase shift keying. New Journal of Physics, 2022, 24, 025008.	2.9	6
17	Separability of N-particle fermionic states for arbitrary partitions. Journal of Mathematical Physics, 2010, 51, 062202.	1.1	4
18	Rigorous characterization method for photon-number statistics. Optics Express, 2019, 27, 5297.	3.4	3

#	ARTICLE	IF	CITATIONS
19	Universal separability and entanglement in identical-particle systems. <i>Physical Review A</i> , 2013, 87, .	2.5	2
20	Outcome Independence of Entanglement in One-Way Computation. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 064005.	1.6	1
21	Finite-key analysis for quantum key distribution with weak coherent pulses based on Bernoulli sampling. <i>Physical Review A</i> , 2017, 96, .	2.5	1
22	Secure random number generation from parity symmetric radiations. <i>Communications Physics</i> , 2022, 5, .	5.3	0