

Shuntaro Takeda

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,543
citations

471509

17
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

1420
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of time-domain-multiplexed two-dimensional cluster state. <i>Science</i> , 2019, 366, 373-376.	12.6	267
2	Deterministic quantum teleportation of photonic quantum bits by a hybrid technique. <i>Nature</i> , 2013, 500, 315-318.	27.8	214
3	Quantum-Enhanced Optical-Phase Tracking. <i>Science</i> , 2012, 337, 1514-1517.	12.6	180
4	Teleportation of Nonclassical Wave Packets of Light. <i>Science</i> , 2011, 332, 330-333.	12.6	178
5	Toward large-scale fault-tolerant universal photonic quantum computing. <i>APL Photonics</i> , 2019, 4, .	5.7	121
6	Entanglement Swapping between Discrete and Continuous Variables. <i>Physical Review Letters</i> , 2015, 114, 100501.	7.8	88
7	Experimental proof of nonlocal wavefunction collapse for a single particle using homodyne measurements. <i>Nature Communications</i> , 2015, 6, 6665.	12.8	78
8	Universal Quantum Computing with Measurement-Induced Continuous-Variable Gate Sequence in a Loop-Based Architecture. <i>Physical Review Letters</i> , 2017, 119, 120504.	7.8	62
9	On-demand photonic entanglement synthesizer. <i>Science Advances</i> , 2019, 5, eaaw4530.	10.3	46
10	General implementation of arbitrary nonlinear quadrature phase gates. <i>Physical Review A</i> , 2018, 97, .	2.5	40
11	Generation and eight-port homodyne characterization of time-bin qubits for continuous-variable quantum information processing. <i>Physical Review A</i> , 2013, 87, .	2.5	31
12	Gain tuning for continuous-variable quantum teleportation of discrete-variable states. <i>Physical Review A</i> , 2013, 88, .	2.5	24
13	Design of an Artificial Light-Harvesting Unit by Protein Engineering: Cytochrome b562â€“Green Fluorescent Protein Chimera. <i>Biochemical and Biophysical Research Communications</i> , 2001, 289, 299-304.	2.1	22
14	Noiseless Conditional Teleportation of a Single Photon. <i>Physical Review Letters</i> , 2014, 113, 223602.	7.8	21
15	Heralded creation of photonic qudits from parametric down-conversion using linear optics. <i>Physical Review A</i> , 2018, 97, .	2.5	21
16	Building a large-scale quantum computer with continuous-variable optical technologies. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2022, 55, 012001.	1.5	21
17	Quantum mode filtering of non-Gaussian states for teleportation-based quantum information processing. <i>Physical Review A</i> , 2012, 85, .	2.5	18
18	Generation of a Cat State in an Optical Sideband. <i>Physical Review Letters</i> , 2018, 121, 143602.	7.8	18

#	ARTICLE	IF	CITATIONS
19	All-Optical Storage of Phase-Sensitive Quantum States of Light. <i>Physical Review Letters</i> , 2019, 123, 113603.	7.8	15
20	Quantum nondemolition gate operations and measurements in real time on fluctuating signals. <i>Physical Review A</i> , 2018, 98, .	2.5	14
21	Ultrafast Creation of Overlapping Rydberg Electrons in an Atomic BEC and Mott-Insulator Lattice. <i>Physical Review Letters</i> , 2020, 124, 253201.	7.8	14
22	Efficient Backcasting Search for Optical Quantum State Synthesis. <i>Physical Review Letters</i> , 2022, 128, .	7.8	14
23	Programmable and sequential Gaussian gates in a loop-based single-mode photonic quantum processor. <i>Science Advances</i> , 2021, 7, eabj6624.	10.3	12
24	Parametric study of a twisted aerosol-type singlet oxygen generator. <i>IEEE Journal of Quantum Electronics</i> , 1998, 34, 2130-2137.	1.9	9
25	Complete temporal mode characterization of non-Gaussian states by a dual homodyne measurement. <i>Physical Review A</i> , 2019, 99, .	2.5	9
26	Expression and secretion of goat $\hat{\pm}$ -lactalbumin as an active protein in <i>Saccharomyces cerevisiae</i> . <i>Biochemical and Biophysical Research Communications</i> , 1990, 173, 741-747.	2.1	5
27	Teleportation of non-Gaussian states of light. , 2011, , .		1
28	Hybrid quantum teleportation: A theoretical model. , 2014, , .		0
29	Demonstration of a loop-based single-mode photonic quantum processor for general-purpose applications. , 2021, , .		0