

# 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	Building a large-scale quantum computer with continuous-variable optical technologies. Journal of Physics B: Atomic, Molecular and Optical Physics, 2022, 55, 012001.	1.5	21
2	Efficient Backcasting Search for Optical Quantum State Synthesis. Physical Review Letters, 2022, 128, .	7.8	14
3	Programmable and sequential Gaussian gates in a loop-based single-mode photonic quantum processor. Science Advances, 2021, 7, eabj6624.	10.3	12
4	Demonstration of a loop-based single-mode photonic quantum processor for general-purpose applications. , 2021, , .		0
5	Ultrafast Creation of Overlapping Rydberg Electrons in an Atomic BEC and Mott-Insulator Lattice. Physical Review Letters, 2020, 124, 253201.	7.8	14
6	Generation of time-domain-multiplexed two-dimensional cluster state. Science, 2019, 366, 373-376.	12.6	267
7	All-Optical Storage of Phase-Sensitive Quantum States of Light. Physical Review Letters, 2019, 123, 113603.	7.8	15
8	Toward large-scale fault-tolerant universal photonic quantum computing. APL Photonics, 2019, 4, .	5.7	121
9	On-demand photonic entanglement synthesizer. Science Advances, 2019, 5, eaaw4530.	10.3	46
10	Complete temporal mode characterization of non-Gaussian states by a dual homodyne measurement. Physical Review A, 2019, 99, .	2.5	9
11	General implementation of arbitrary nonlinear quadrature phase gates. Physical Review A, 2018, 97, .	2.5	40
12	Quantum nondemolition gate operations and measurements in real time on fluctuating signals. Physical Review A, 2018, 98, .	2.5	14
13	Generation of a Cat State in an Optical Sideband. Physical Review Letters, 2018, 121, 143602.	7.8	18
14	Heralded creation of photonic qudits from parametric down-conversion using linear optics. Physical Review A, 2018, 97, .	2.5	21
15	Universal Quantum Computing with Measurement-Induced Continuous-Variable Gate Sequence in a Loop-Based Architecture. Physical Review Letters, 2017, 119, 120504.	7.8	62
16	Entanglement Swapping between Discrete and Continuous Variables. Physical Review Letters, 2015, 114, 100501.	7.8	88
17	Experimental proof of nonlocal wavefunction collapse for a single particle using homodyne measurements. Nature Communications, 2015, 6, 6665.	12.8	78
18	Hybrid quantum teleportation: A theoretical model. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	Noiseless Conditional Teleportation of a Single Photon. <i>Physical Review Letters</i> , 2014, 113, 223602.	7.8	21
20	Deterministic quantum teleportation of photonic quantum bits by a hybrid technique. <i>Nature</i> , 2013, 500, 315-318.	27.8	214
21	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
22	Gain tuning for continuous-variable quantum teleportation of discrete-variable states. <i>Physical Review A</i> , 2013, 88, .	2.5	24
23	Quantum mode filtering of non-Gaussian states for teleportation-based quantum information processing. <i>Physical Review A</i> , 2012, 85, .	2.5	18
24	Quantum-Enhanced Optical-Phase Tracking. <i>Science</i> , 2012, 337, 1514-1517.	12.6	180
25	Teleportation of Nonclassical Wave Packets of Light. <i>Science</i> , 2011, 332, 330-333.	12.6	178
26	Teleportation of non-Gaussian states of light. , 2011, , .		1
27	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
28	Parametric study of a twisted aerosol-type singlet oxygen generator. <i>IEEE Journal of Quantum Electronics</i> , 1998, 34, 2130-2137.	1.9	9
29	Expression and secretion of goat $\beta$ -lactalbumin as an active protein in <i>Saccharomyces cerevisiae</i> . <i>Biochemical and Biophysical Research Communications</i> , 1990, 173, 741-747.	2.1	5