Hidehiro Yonezawa

List of Publications by Year
in descending order

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64 papers	3,147 citations	236833 25 h-index	254106 43 g-index
64 all docs	64 docs citations	64 times ranked	2022 citing authors

#	Article	IF	Citations
1	Ultra-large-scale continuous-variable cluster states multiplexed in the time domain. Nature Photonics, 2013, 7, 982-986.	15.6	401
2	Demonstration of a quantum teleportation network for continuous variables. Nature, 2004, 431, 430-433.	13.7	289
3	Generation of time-domain-multiplexed two-dimensional cluster state. Science, 2019, 366, 373-376.	6.0	267
4	Experimental Creation of a Fully Inseparable Tripartite Continuous-Variable State. Physical Review Letters, 2003, 91, 080404.	2.9	229
5	Observation of -9 dB quadrature squeezing with improvement of phase stability in homodyne measurement. Optics Express, 2007, 15, 4321.	1.7	229
6	High-Fidelity Teleportation beyond the No-Cloning Limit and Entanglement Swapping for Continuous Variables. Physical Review Letters, 2005, 94, 220502.	2.9	202
7	Quantum-Enhanced Optical-Phase Tracking. Science, 2012, 337, 1514-1517.	6.0	180
8	Generating superposition of up-to three photons for continuous variable quantum information processing. Optics Express, 2013, 21, 5529.	1.7	122
9	7dB quadrature squeezing at 860nm with periodically poled KTiOPO4. Applied Physics Letters, 2006, 89, 061116.	1.5	99
10	Integrated photonic platform for quantum information with continuous variables. Science Advances, 2018, 4, eaat9331.	4.7	93
11	Experimental Demonstration of Coherent Feedback Control on Optical Field Squeezing. IEEE Transactions on Automatic Control, 2012, 57, 2045-2050.	3.6	84
12	Implementation of a quantum cubic gate by an adaptive non-Gaussian measurement. Physical Review A, 2016, 93, .	1.0	84
13	Experimental demonstration of quantum teleportation of a squeezed state. Physical Review A, 2005, 72, .	1.0	80
14	Demonstration of Quantum Telecloning of Optical Coherent States. Physical Review Letters, 2006, 96, 060504.	2.9	80
15	A Quantum Hamiltonian Identification Algorithm: Computational Complexity and Error Analysis. IEEE Transactions on Automatic Control, 2018, 63, 1388-1403.	3.6	71
16	Experimental Demonstration of Quantum Teleportation of Broadband Squeezing. Physical Review Letters, 2007, 99, 110503.	2.9	68
17	Emulating quantum cubic nonlinearity. Physical Review A, 2013, 88, .	1.0	63
18	Quantum-Limited Mirror-Motion Estimation. Physical Review Letters, 2013, 111, 163602.	2.9	51

#	Article	IF	Citations
19	Experimental realization of a dynamic squeezing gate. Physical Review A, 2014, 90, .	1.0	38
20	Sensing and tracking enhanced by quantum squeezing. Photonics Research, 2019, 7, A14.	3.4	38
21	Real-Time Quadrature Measurement of a Single-Photon Wave Packet with Continuous Temporal-Mode Matching. Physical Review Letters, 2016, 116, 233602.	2.9	36
22	Time-Domain-Multiplexed Measurement-Based Quantum Operations with 25-MHz Clock Frequency. Physical Review Applied, 2021, 16, .	1.5	35
23	Generation and eight-port homodyne characterization of time-bin qubits for continuous-variable quantum information processing. Physical Review A, 2013, 87, .	1.0	31
24	Quantum gate identification: Error analysis, numerical results and optical experiment. Automatica, 2019, 101, 269-279.	3.0	29
25	Quantum Hamiltonian Identifiability via a Similarity Transformation Approach and Beyond. IEEE Transactions on Automatic Control, 2020, 65, 4632-4647.	3.6	26
26	Sequential quantum teleportation of optical coherent states. Physical Review A, 2007, 76, .	1.0	25
27	Gain tuning for continuous-variable quantum teleportation of discrete-variable states. Physical Review A, 2013, 88, .	1.0	24
28	Spectrum analysis with quantum dynamical systems. Physical Review A, 2016, 93, .	1.0	23
29	Generation of squeezed light with a monolithic optical parametric oscillator: Simultaneous achievement of phase matching and cavity resonance by temperature control. Optics Express, 2010, 18, 20143.	1.7	21
30	Continuous-variable quantum information processing with squeezed states of light. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2010, 108, 288-296.	0.2	18
31	Generation of a Cat State in an Optical Sideband. Physical Review Letters, 2018, 121, 143602.	2.9	18
32	Experimental demonstration of macroscopic quantum coherence in Gaussian states. Physical Review A, 2007, 76, .	1.0	12
33	Two-Stage Estimation for Quantum Detector Tomography: Error Analysis, Numerical and Experimental Results. IEEE Transactions on Information Theory, 2021, 67, 2293-2307.	1.5	11
34	Quantum teleportation in space and frequency using entangled pairs of photons from a frequency comb. Physical Review A, 2014, 90, .	1.0	10
35	Two-step feedback preparation of entanglement for qubit systems with time delay. Automatica, 2021, 125, 109174.	3.0	8
36	Quantum-limited fiber-optic phase tracking beyond ? range. Optics Express, 2019, 27, 2327.	1.7	8

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37	Characterization of entangling properties of quantum measurement via two-mode quantum detector tomography using coherent state probes. Optics Express, 2019, 27, 34416.	1.7	7
38	Filter-Based Feedback Control for a Class of Markovian Open Quantum Systems. , 2019, 3, 565-570.		6
39	Fault-Tolerant Coherent H^infty Control for Linear Quantum Systems. IEEE Transactions on Automatic Control, 2022, 67, 5087-5101.	3.6	5
40	Amplification of optical SchrÃ¶dinger cat states with an implementation protocol based on a frequency comb. Physical Review A, 2022, 105, .	1.0	5
41	Experimental generation of four-mode continuous-variable cluster states. , 2008, , .		3
42	Ultra-wide frequency response measurement of an optical system with a DC photo-detector. Optics Express, 2017, 25, 573.	1.7	3
43	Feedback preparation of Bell states for two-qubit systems with time delay. , 2019, , .		3
44	Low-Latency Digital Feedforward for Universal Continuous-Variable Quantum Computation in Time Domain. , 2018, , .		3
45	Tomography of binary quantum detectors*. , 2019, , .		2
46	Feasibility study of a coherent feedback squeezer. Physical Review A, 2020, 101, .	1.0	2
47	Fault-tolerant <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e529" altimg="si5.svg"><mml:msup><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>âˆž</mml:mi></mml:mrow></ control for optical parametric oscillators with pumping fluctuations. Automatica, 2022, 140, 110236.	3.0	2
48	Efficient identification of unitary quantum processes. , 2017, , .		1
49	The Quantum Entanglement of Measurement. , 2017, , .		1
50	Coherent Hâˆž control for Markovian jump linear quantum systems. IFAC-PapersOnLine, 2020, 53, 269-274.	0.5	1
51	7.2 dB quadrature squeezing at 860 nm with periodically-poled KTiOPO<inf>4</inf>. , 2006, , .		0
52	Sequential quantum teleportation for continuous variables and quantum state reconstruction by optical homodyne tomography. , 2006, , .		0
53	Teleporting below the vacuum-noise level: Non-local transfer of squeezing and entanglement. , 2007, , .		0
54	9 dB Quadrature squeezing at 860 nm with periodically-poled KTiOPO4. , 2007, , .		0

#	Article	IF	Citations
55	Generation of Highly Squeezed Light at 860 nm. , 2009, , .		0
56	Hybrid quantum teleportation: A theoretical model. , 2014, , .		0
57	High-Fidelity Quantum Teleportation and a Quantum Teleportation Network. , 2007, , 265-284.		0
58	High Fidelity Quantum Teleportation. The Review of Laser Engineering, 2008, 36, 404-409.	0.0	0
59	Generation of squeezed states of light at 860 nm with periodically poled MgO:LiNbO3 crystal. , 2009, , .		0
60	Real-Time Quadrature Measurement of a Highly Pure Single-Photon State in an Exponentially Rising Wave Packet. , 2015, , .		0
61	Generation of SchrÃ¶dingerâ€™s cat state in an optical double sideband mode. , 2018, , .		0
62	Continuous-variable Quantum Teleportation of States Multiplexed in Time Domain. , 2020, , .		0
63	Nonlinear Feedforward enabling Nonlinear Quadrature Measurement toward Fault-tolerant Universal Quantum Computation. , 2021, , .		0
64	Simultaneous Estimation of Parameters and the State of an Optical Parametric Oscillator System. IEEE Transactions on Quantum Engineering, 2022, 3, 1-9.	2.9	0