

Hidehiro Yonezawa

List of Publications by Year in descending order

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64
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docs citations

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times ranked

2022
citing authors

#	ARTICLE	IF	CITATIONS
1	Fault-Tolerant Coherent H^∞ Control for Linear Quantum Systems. IEEE Transactions on Automatic Control, 2022, 67, 5087-5101.	3.6	5
2	Fault-tolerant H^∞ control for optical parametric oscillators with pumping fluctuations. Automatica, 2022, 140, 110236.	3.0	2
3	Amplification of optical Schrödinger cat states with an implementation protocol based on a frequency comb. Physical Review A, 2022, 105, .	1.0	5
4	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
5	Two-step feedback preparation of entanglement for qubit systems with time delay. Automatica, 2021, 125, 109174.	3.0	8
6	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
7	Time-Domain-Multiplexed Measurement-Based Quantum Operations with 25-MHz Clock Frequency. Physical Review Applied, 2021, 16, .	1.5	35
8	Nonlinear Feedforward enabling Nonlinear Quadrature Measurement toward Fault-tolerant Universal Quantum Computation. , 2021, , .		0
9	Feasibility study of a coherent feedback squeezer. Physical Review A, 2020, 101, .	1.0	2
10	Quantum Hamiltonian Identifiability via a Similarity Transformation Approach and Beyond. IEEE Transactions on Automatic Control, 2020, 65, 4632-4647.	3.6	26
11	Coherent H^∞ control for Markovian jump linear quantum systems. IFAC-PapersOnLine, 2020, 53, 269-274.	0.5	1
12	Continuous-variable Quantum Teleportation of States Multiplexed in Time Domain. , 2020, , .		0
13	Generation of time-domain-multiplexed two-dimensional cluster state. Science, 2019, 366, 373-376.	6.0	267
14	Filter-Based Feedback Control for a Class of Markovian Open Quantum Systems. , 2019, 3, 565-570.		6
15	Tomography of binary quantum detectors*. , 2019, , .		2
16	Quantum gate identification: Error analysis, numerical results and optical experiment. Automatica, 2019, 101, 269-279.	3.0	29
17	Quantum-limited fiber-optic phase tracking beyond π range. Optics Express, 2019, 27, 2327.	1.7	8
18	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

#	ARTICLE	IF	CITATIONS
19	Sensing and tracking enhanced by quantum squeezing. <i>Photonics Research</i> , 2019, 7, A14.	3.4	38
20	Feedback preparation of Bell states for two-qubit systems with time delay. , 2019, , .		3
21	Integrated photonic platform for quantum information with continuous variables. <i>Science Advances</i> , 2018, 4, eaat9331.	4.7	93
22	Generation of a Cat State in an Optical Sideband. <i>Physical Review Letters</i> , 2018, 121, 143602.	2.9	18
23	A Quantum Hamiltonian Identification Algorithm: Computational Complexity and Error Analysis. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 1388-1403.	3.6	71
24	Generation of Schrödinger's cat state in an optical double sideband mode. , 2018, , .		0
25	Low-Latency Digital Feedforward for Universal Continuous-Variable Quantum Computation in Time Domain. , 2018, , .		3
26	Efficient identification of unitary quantum processes. , 2017, , .		1
27	Ultra-wide frequency response measurement of an optical system with a DC photo-detector. <i>Optics Express</i> , 2017, 25, 573.	1.7	3
28	The Quantum Entanglement of Measurement. , 2017, , .		1
29	Implementation of a quantum cubic gate by an adaptive non-Gaussian measurement. <i>Physical Review A</i> , 2016, 93, .	1.0	84
30	Spectrum analysis with quantum dynamical systems. <i>Physical Review A</i> , 2016, 93, .	1.0	23
31	Real-Time Quadrature Measurement of a Single-Photon Wave Packet with Continuous Temporal-Mode Matching. <i>Physical Review Letters</i> , 2016, 116, 233602.	2.9	36
32	Real-Time Quadrature Measurement of a Highly Pure Single-Photon State in an Exponentially Rising Wave Packet. , 2015, , .		0
33	Hybrid quantum teleportation: A theoretical model. , 2014, , .		0
34	Quantum teleportation in space and frequency using entangled pairs of photons from a frequency comb. <i>Physical Review A</i> , 2014, 90, .	1.0	10
35	Experimental realization of a dynamic squeezing gate. <i>Physical Review A</i> , 2014, 90, .	1.0	38
36	Generation and eight-port homodyne characterization of time-bin qubits for continuous-variable quantum information processing. <i>Physical Review A</i> , 2013, 87, .	1.0	31

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37	Ultra-large-scale continuous-variable cluster states multiplexed in the time domain. Nature Photonics, 2013, 7, 982-986.	15.6	401
38	Generating superposition of up-to three photons for continuous variable quantum information processing. Optics Express, 2013, 21, 5529.	1.7	122
39	Quantum-Limited Mirror-Motion Estimation. Physical Review Letters, 2013, 111, 163602.	2.9	51
40	Gain tuning for continuous-variable quantum teleportation of discrete-variable states. Physical Review A, 2013, 88, .	1.0	24
41	Emulating quantum cubic nonlinearity. Physical Review A, 2013, 88, .	1.0	63
42	Experimental Demonstration of Coherent Feedback Control on Optical Field Squeezing. IEEE Transactions on Automatic Control, 2012, 57, 2045-2050.	3.6	84
43	Quantum-Enhanced Optical-Phase Tracking. Science, 2012, 337, 1514-1517.	6.0	180
44	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
45	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
46	Generation of Highly Squeezed Light at 860 nm. , 2009, , .		0
47	Generation of squeezed states of light at 860 nm with periodically poled MgO:LiNbO3 crystal. , 2009, , .		0
48	Experimental generation of four-mode continuous-variable cluster states. , 2008, , .		3
49	High Fidelity Quantum Teleportation. The Review of Laser Engineering, 2008, 36, 404-409.	0.0	0
50	Teleporting below the vacuum-noise level: Non-local transfer of squeezing and entanglement. , 2007, , .		0
51	Experimental demonstration of macroscopic quantum coherence in Gaussian states. Physical Review A, 2007, 76, .	1.0	12
52	Sequential quantum teleportation of optical coherent states. Physical Review A, 2007, 76, .	1.0	25
53	9 dB Quadrature squeezing at 860 nm with periodically-poled KTiOPO4. , 2007, , .		0
54	Observation of -9 dB quadrature squeezing with improvement of phase stability in homodyne measurement. Optics Express, 2007, 15, 4321.	1.7	229

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55	Experimental Demonstration of Quantum Teleportation of Broadband Squeezing. Physical Review Letters, 2007, 99, 110503.	2.9	68
56	High-Fidelity Quantum Teleportation and a Quantum Teleportation Network. , 2007, , 265-284.		0
57	7dB quadrature squeezing at 860nm with periodically poled KTiOPO4. Applied Physics Letters, 2006, 89, 061116.	1.5	99
58	Demonstration of Quantum Telecloning of Optical Coherent States. Physical Review Letters, 2006, 96, 060504.	2.9	80
59	7.2 dB quadrature squeezing at 860 nm with periodically-poled KTiOPO ₄ . , 2006, , .		0
60	Sequential quantum teleportation for continuous variables and quantum state reconstruction by optical homodyne tomography. , 2006, , .		0
61	Experimental demonstration of quantum teleportation of a squeezed state. Physical Review A, 2005, 72, .	1.0	80
62	High-Fidelity Teleportation beyond the No-Cloning Limit and Entanglement Swapping for Continuous Variables. Physical Review Letters, 2005, 94, 220502.	2.9	202
63	Demonstration of a quantum teleportation network for continuous variables. Nature, 2004, 431, 430-433.	13.7	289
64	Experimental Creation of a Fully Inseparable Tripartite Continuous-Variable State. Physical Review Letters, 2003, 91, 080404.	2.9	229