

Ryo Okamoto

List of Publications by Year in descending order

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72
papers

1,973
citations

394421

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243625

44
g-index

72
all docs

72
docs citations

72
times ranked

1581
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Fourier-transform infrared spectroscopy in the fingerprint region. Optics Express, 2022, 30, 22624.	3.4	19
2	Frequency correlated photon generation at telecom band using silicon nitride ring cavities. Optics Express, 2021, 29, 4821.	3.4	12
3	Quantum Fourier-Transform Infrared Spectroscopy for Complex Transmittance Measurements. Physical Review Applied, 2021, 15, .	3.8	28
4	Wavelength variable generation and detection of photon pairs in visible and mid-infrared regions via spontaneous parametric downconversion. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1934.	2.1	10
5	Efficient generation of ultra-broadband parametric fluorescence using chirped quasi-phase-matched waveguide devices. Optics Express, 2021, 29, 21615.	3.4	14
6	Precision limit for simultaneous phase and transmittance estimation with phase-shifting interferometry. Physical Review A, 2021, 104, .	2.5	10
7	Phase-shifting interferometry for multidimensional incoherent digital holography and toward ultimately low light sensing. , 2021, , .		1
8	Adaptive quantum state estimation for dynamic quantum states. Physical Review A, 2020, 102, .	2.5	2
9	Broadband generation of photon-pairs from a CMOS compatible device. Applied Physics Letters, 2020, 116, .	3.3	10
10	Loss tolerant quantum absorption measurement. New Journal of Physics, 2020, 22, 103016.	2.9	10
11	Unified integration scheme using an $N \times N$ active switch for efficient generation of a multi-photon parallel state. Optics Express, 2020, 28, 17490.	3.4	3
12	Highly Efficient Broadband Frequency Entangled Photon Pair Sources for Optical Quantum Applications. , 2020, , .		0
13	Direct and efficient verification of entanglement between two multimode "multiphoton systems. Optica, 2020, 7, 1517.	9.3	3
14	Multidimensional digital holographic microscopy based on computational coherent superposition for coherent and incoherent light sensing. , 2020, , .		0
15	Realization of high-speed adaptive quantum state estimation. Japanese Journal of Applied Physics, 2019, 58, 072001.	1.5	1
16	An on-chip photon-pair source with negligible two photon absorption. Applied Physics Express, 2019, 12, 022006.	2.4	5
17	Highly Efficient Ultra-Broadband Entangled Photon-Pair Generation using a Chirped PPSLT Ridge Waveguide. , 2019, , .		0
18	Color single-pixel digital holography with a phase-encoded reference wave. Applied Optics, 2019, 58, G149.	1.8	16

#	ARTICLE	IF	CITATIONS
19	Nonlocal Position Changes of a Photon Revealed by Quantum Routers. Scientific Reports, 2018, 8, 7730.	3.3	12
20	Experimental demonstration of adaptive quantum state estimation for single photonic qubits. Physical Review A, 2017, 96, .	2.5	14
21	Implementation of a quantum controlled-SWAP gate with photonic circuits. Scientific Reports, 2017, 7, 45353.	3.3	47
22	Realization of multiplexing of heralded single photon sources using cascaded on-off detectors. , 2017, , .		0
23	Adaptive quantum state estimation for dynamic quantum states. , 2017, , .		0
24	Serial-parallel conversion for single photons with heralding signals. Optics Express, 2017, 25, 32443.	3.4	2
25	One quantum shutter can close two slits simultaneously. , 2017, , .		0
26	Realization of multiplexing of heralded single photon sources using photon number resolving detectors. Optics Express, 2016, 24, 27288.	3.4	19
27	0.54 μ m resolution two-photon interference with dispersion cancellation for quantum optical coherence tomography. Scientific Reports, 2016, 5, 18042.	3.3	49
28	Experimental demonstration of a quantum shutter closing two slits simultaneously. Scientific Reports, 2016, 6, 35161.	3.3	19
29	Quantum-state anomaly detection for arbitrary errors using a machine-learning technique. Physical Review A, 2016, 94, .	2.5	4
30	Ultrahigh-Resolution Optical Coherence Tomography Using Quantum Entangled Photon Pairs. The Review of Laser Engineering, 2016, 44, 663.	0.0	0
31	Scalable Spatial Superresolution Using Entangled Photons. Physical Review Letters, 2014, 112, 223602.	7.8	80
32	Anomaly detection in reconstructed quantum states using a machine-learning technique. Physical Review A, 2014, 89, .	2.5	9
33	Scalable Spatial Super-Resolution using Entangled Photons. , 2014, , .		0
34	Ultrabroadband spontaneous parametric fluorescence in 800 nm region toward ultrahigh-resolution quantum optical coherence tomography. , 2014, , .		1
35	Investigation of the Performance of an Ultralow-Dark-Count Superconducting Nanowire Single-Photon Detector. Japanese Journal of Applied Physics, 2013, 52, 102801.	1.5	9
36	An entanglement-enhanced microscope. Nature Communications, 2013, 4, 2426.	12.8	219

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37	Adaptive quantum state estimation of mixed states using photons. , 2013, , .		0
38	Sum-frequency-photon generation from an entangled photon pair. , 2013, , .		0
39	Dispersion cancellation in high-resolution two-photon interference. Physical Review A, 2013, 88, .	2.5	27
40	Broadband frequency correlated photon pairs using a chirped-QPM device. , 2013, , .		0
41	High-resolution quantum optical coherence tomography by broadband parametric fluorescence. , 2013, , .		0
42	Experimental demonstration of adaptive quantum state estimation. , 2013, , .		0
43	Spectral properties of ultra-broadband entangled photons generated from chirped-MgSLT crystal towards monocycle entanglement generation. , 2013, , .		1
44	Spectral dependence of ultra-low dark count superconducting single photon detector for the evaluation of broadband parametric fluorescence. , 2012, , .		4
45	Generation of broadband spontaneous parametric fluorescence using multiple bulk nonlinear crystals. Optics Express, 2012, 20, 13977.	3.4	26
46	Highly indistinguishable heralded single-photon sources using parametric down conversion. Optics Express, 2012, 20, 15275.	3.4	29
47	Noncollinear parametric fluorescence by chirped quasi-phase matching for monocycle temporal entanglement. Optics Express, 2012, 20, 25228.	3.4	55
48	Experimental Demonstration of Adaptive Quantum State Estimation. Physical Review Letters, 2012, 109, 130404.	7.8	63
49	Quantum lithography under imperfect conditions: effects of loss and dephasing on two-photon interference fringes. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 422.	2.1	1
50	Phase shift spectra of a fiberâ€“microsphere system at the single photon level. Optics Express, 2011, 19, 2278.	3.4	11
51	Generation of broadband spontaneous parametric fluorescence and its application to quantum optical coherence tomography. Proceedings of SPIE, 2011, , .	0.8	0
52	Collinear ultra-broadband parametric fluorescence generated from 10%-chirped quasi phase matched device. , 2011, , .		1
53	Optical quantum circuit combining tailored optical nonlinearities. , 2011, , .		0
54	Realization of a Knill-Laflamme-Milburn controlled-NOT photonic quantum circuit combining effective optical nonlinearities. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10067-10071.	7.1	70

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55	How can we minimize errors in a linear-optics quantum gate?. , 2010, , .		0
56	Analysis of experimental error sources in a linear-optics quantum gate. New Journal of Physics, 2010, 12, 043053.	2.9	8
57	Experimental realization of an optical entanglement filter. , 2009, , .		0
58	An Entanglement Filter. Science, 2009, 323, 483-485.	12.6	72
59	Analysis of errors in an optical controlled-NOT gate. , 2009, , .		0
60	Beating the standard quantum limit: phase super-sensitivity of $\langle i \rangle N \langle /i \rangle$ -photon interferometers. New Journal of Physics, 2008, 10, 073033.	2.9	74
61	Analysis of errors in an optical Controlled-NOT gate with a high-precision testing bed. , 2007, , .		0
62	Quantum interference fringes beating the diffraction limit. Optics Express, 2007, 15, 14244.	3.4	43
63	Beating the Standard Quantum Limit with Four-Entangled Photons. Science, 2007, 316, 726-729.	12.6	610
64	Tailoring two-photon interference with phase dispersion. Physical Review A, 2006, 74, .	2.5	19
65	ANALYSIS OF AN EXPERIMENTAL QUANTUM LOGIC GATE BY COMPLEMENTARY CLASSICAL OPERATIONS. Modern Physics Letters A, 2006, 21, 1837-1850.	1.2	2
66	LOCALLY OBSERVABLE CONDITIONS FOR THE SUCCESSFUL IMPLEMENTATION OF ENTANGLING MULTI-QUBIT QUANTUM GATES. , 2006, , .		0
67	Demonstration of an Optical Quantum Controlled-NOT Gate without Path Interference. Physical Review Letters, 2005, 95, 210506.	7.8	200
68	Demonstration of controlled-NOT gate using linear optics. , 2005, , .		0
69	Detailed analysis of a single-photon source using gated spontaneous parametric downconversion. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2393.	2.1	5
70	High-yield single-photon source using gated spontaneous parametric downconversion. Applied Optics, 2004, 43, 5708.	2.1	23
71	Single-photon source using parametric down conversion. , 2004, , .		1
72	A single photon source using parametric down conversion. , 2003, , .		0