

Michal Karpinski

List of Publications by Year in descending order

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times ranked

867
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of ellipse and hyperbola methods for guided waves based structural health monitoring using fiber Bragg grating sensors. , 2021, , .		0
2	Control and Measurement of Quantum Light Pulses for Quantum Information Science and Technology. Advanced Quantum Technologies, 2021, 4, 2000150.	3.9	16
3	Actuator placement optimization for guided waves based structural health monitoring using fibre Bragg grating sensors. Smart Materials and Structures, 2021, 30, 125011.	3.5	8
4	Pure Single Photons From Scalable Frequency Multiplexing. Physical Review Applied, 2020, 14, .	3.8	15
5	A Two-Step Guided Waves Based Damage Localization Technique Using Optical Fiber Sensors. Sensors, 2020, 20, 5804.	3.8	12
6	Aperiodic electro-optic time lens for spectral manipulation of single-photon pulses. Applied Physics Letters, 2020, 116, 234003.	3.3	11
7	Quantum Limits in Optical Communications. Journal of Lightwave Technology, 2020, 38, 2741-2754.	4.6	32
8	Large-Scale Spectral Bandwidth Modification of Quantum Light Pulses. , 2020, , .		0
9	Large-scale spectral bandwidth compression of telecom single-photon pulses. , 2020, , .		0
10	Shaking the phase of light. Nature Photonics, 2019, 13, 306-308.	31.4	1
11	Efficient interfacing ultrashort and nanosecond single-photon pulses. , 2019, , .		0
12	Spectral manipulation of telecom single photons by aperiodic electro-optic time-lensing system. , 2019, , .		0
13	Engineering the spectral and temporal properties of a GHz-bandwidth heralded single-photon source interfaced with an on-demand, broadband quantum memory. Journal of Modern Optics, 2018, 65, 1668-1679.	1.3	0
14	Visibility-Based Hypothesis Testing Using Higher-Order Optical Interference. Physical Review Letters, 2018, 120, 110502.	7.8	7
15	Measurement of radio-frequency temporal phase modulation using spectral interferometry. Journal of Modern Optics, 2018, 65, 262-267.	1.3	1
16	Experimental single-photon pulse characterization by electro-optic shearing interferometry. Physical Review A, 2018, 98, .	2.5	14
17	Entanglement swapping for generation of heralded time-frequency-entangled photon pairs. Physical Review A, 2018, 98, .	2.5	10
18	Measuring the Single-Photon Temporal-Spectral Wave Function. Physical Review Letters, 2018, 121, 083602.	7.8	43

#	ARTICLE	IF	CITATIONS
19	Large-scale spectral bandwidth compression by complex electro-optic temporal phase modulation. <i>Optics Express</i> , 2018, 26, 31307.	3.4	22
20	Electro-Optic Temporal Optical Systems for Spectral Shaping of Quantum Light. , 2018, , .		0
21	Spectral Shearing of Quantum Light Pulses by Electro-Optic Phase Modulation. <i>Physical Review Letters</i> , 2017, 118, 023601.	7.8	57
22	Generation and characterization of discrete spatial entanglement in multimode nonlinear waveguides. <i>Physical Review A</i> , 2017, 95, .	2.5	4
23	Bandwidth manipulation of quantum light by an electro-optic time lens. <i>Nature Photonics</i> , 2017, 11, 53-57.	31.4	113
24	Coherent conversion of sub-GHz optical pulse bandwidths for hybrid quantum networks. , 2017, , .		0
25	Frequency-multiplexed single-photon sources using electro-optic frequency translation. , 2017, , .		0
26	Pulsed single-photon spectrometer by frequency-to-time mapping using chirped fiber Bragg gratings. <i>Optics Express</i> , 2017, 25, 12804.	3.4	47
27	Quantum fingerprinting without a shared phase reference. , 2017, , .		0
28	Holographic measurement of single photon spatial wavefunction. , 2017, , .		0
29	Hologram of a single photon. <i>Nature Photonics</i> , 2016, 10, 576-579.	31.4	78
30	Mode engineering for realistic quantum-enhanced interferometry. <i>Nature Communications</i> , 2016, 7, 11411.	12.8	31
31	Single-Photon Temporal Wave Function Measurement via Electro-Optic Spectral Shearing Interferometry. , 2016, , .		0
32	Scheme for on-chip verification of transverse mode entanglement using the electro-optic effect. <i>Optics Express</i> , 2015, 23, 33087.	3.4	5
33	Characterization of conditional state-engineering quantum processes by coherent state quantum process tomography. <i>New Journal of Physics</i> , 2015, 17, 033041.	2.9	12
34	Generation of higher-dimensional modal entanglement using a three-waveguide directional coupler. <i>Physical Review A</i> , 2015, 91, .	2.5	8
35	Shot-by-shot imaging of Hongâ€™Ouâ€™Mandel interference with an intensified sCMOS camera. <i>Optics Letters</i> , 2015, 40, 1540.	3.3	45
36	Waveguide fabrication in KDP crystals with femtosecond laser pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 831-836.	2.3	17

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37	Quantum Process Estimation with Unknown Measurements. , 2015, , .		0
38	Engineering Parametric Down-conversion in Multimode Nonlinear Waveguides. , 2014, , .		0
39	High-visibility nonclassical interference of photon pairs generated in a multimode nonlinear waveguide. Optics Express, 2014, 22, 8624.	3.4	15
40	Local mapping of detector response for reliable quantum state estimation. Nature Communications, 2014, 5, 4332.	12.8	32
41	Demonstration of high-visibility two-photon interference with a multimode waveguide source. , 2014, , .		0
42	Quantum State Manipulation of Single-Photon Wave Packets. , 2014, , .		1
43	Quantum Process Estimation with an Unknown Detector. , 2014, , .		0
44	Higher Dimensional Modal Entanglement Using Three Waveguide Directional Coupler. , 2014, , .		0
45	Quantum mechanical which-way experiment with an internal degree of freedom. Nature Communications, 2013, 4, 2594.	12.8	19
46	Experimental generation of complex noisy photonic entanglement. Laser Physics, 2013, 23, 025204.	1.2	7
47	Characterisation of the spatial purity of photon pairs generated in a multimode non-linear waveguide. , 2013, , .		0
48	Dispersion-based control of modal characteristics for parametric down-conversion in a multimode waveguide. Optics Letters, 2012, 37, 878.	3.3	17
49	Dispersion-based Control of Spatial Modes for Parametric Down-conversion in a Multimode Waveguide. , 2012, , .		0
50	Generation of spatially pure photon pairs in a multimode nonlinear waveguide using intermodal dispersion. Proceedings of SPIE, 2012, , .	0.8	3
51	Photon coincidences in spontaneous parametric down-converted radiation excited by a blue LED in bulk LiIO ₃ crystal. Optics Express, 2011, 19, 10351.	3.4	11
52	Experimental Extraction of Secure Correlations from a Noisy Private State. Physical Review Letters, 2011, 106, 030501.	7.8	17
53	Experimental security analysis a four-photon private state. , 2011, , .		0
54	Nonlinear Waveguide Source of Entangled Photon Pairs in Single Spatial Modes. , 2011, , .		1

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55	Quantum and semiclassical polarization correlations. Optics Communications, 2010, 283, 713-718.	2.1	2
56	Experimental characterization of three-wave mixing in a multimode nonlinear KTiOPO4 waveguide. Applied Physics Letters, 2009, 94, .	3.3	35
57	Fiber-optic realization of anisotropic depolarizing quantum channels. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 668.	2.1	22