VÃ¡clav MichÃ¡lek

List of Publications by Year
in descending order

Version: 2024-02-01

35	614	623188	580395
papers	citations	14	25
		h-index	g-index

35	35	35	461
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonclassicality criteria for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>N</mml:mi></mml:math> -dimensional optical fields detected by quadratic detectors. Physical Review A, 2022, 105, .	1.0	3
2	Two-beam light with simultaneous anticorrelations in photon-number fluctuations and sub-Poissonian statistics. Physical Review A, 2021, 104, .	1.0	4
3	Two-beam light with â€™checkered-patternâ€™ photon-number distributions. Optics Express, 2021, 29, 29704.	1.7	3
4	Experimental Quantification of the Entanglement of Noisy Twin Beams. Physical Review Applied, 2020, 14, .	1.5	9
5	Nonclassicality and entanglement criteria for bipartite optical fields characterized by quadratic detectors. II. Criteria based on probabilities. Physical Review A, 2020, 102, .	1.0	14
6	Non-classicality of optical fields as observed in photocount and photon-number distributions. Optics Express, 2020, 28, 32620.	1.7	5
7	Simultaneous observation of higher-order non-classicalities based on experimental photocount moments and probabilities. Scientific Reports, 2019, 9, 8961.	1.6	15
8	Time resolution of the SiPM-NUV3S. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 935, 51-55.	0.7	4
9	Reconstruction of Joint Photon-Number Distributions of Twin Beams Incorporating Spatial Noise Reduction. Physical Review Applied, 2018, 10, .	1.5	2
10	Timing resolution studies of the optical part of the AFP Time-of-flight detector. Optics Express, 2018, 26, 8028.	1.7	4
11	Higher-order sub-Poissonian-like nonclassical fields: Theoretical and experimental comparison. Physical Review A, 2017, 96, .	1.0	31
12	Nonclassicality and entanglement criteria for bipartite optical fields characterized by quadratic detectors. Physical Review A, 2017, 96, .	1.0	28
13	Noise Reduction in Photon Counting by Exploiting Spatial Correlations. Physical Review Applied, 2017, 8, .	1.5	2
14	Experimental detection of nonclassicality of single-mode fields via intensity moments. Optics Express, 2016, 24, 29496.	1.7	15
15	Ultrashort pulse laser ablation of dielectrics: Thresholds, mechanisms, role of breakdown. Scientific Reports, 2016, 6, 39133.	1.6	110
16	Measuring evolution of a photon in an interferometer with spectrally resolved modes. Physical Review A, 2016, 94, .	1.0	8
17	Ultrashort-pulse laser processing of transparent materials: insight from numerical and semi-analytical models. Proceedings of SPIE, 2016, , .	0.8	7
18	Generation of sub-Poissonian non-Gaussian states from multimode twin beams by photon-number-resolving detectors. International Journal of Quantum Information, 2014, 12, 1461017.	0.6	5

#	Article	IF	Citations
19	Photon-number statistics of twin beams: Self-consistent measurement, reconstruction, and properties. , 2014, , .		0
20	Optimal sub-Poissonian light generation from twin beams by photon-number resolving detectors. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 20.	0.9	38
21	Absolute spectral calibration of an intensified CCD camera using twin beams. Journal of the Optical Society of America B: Optical Physics, 2014, 31, B1.	0.9	9
22	State reconstruction of a multimode twin beam using photodetection. Physical Review A, 2013, 87, .	1.0	40
23	Sub-Poissonian-light generation by postselection from twin beams. Optics Express, 2013, 21, 19387.	1.7	24
24	Characterizing the nonclassicality of mesoscopic optical twin-beam states. Physical Review A, 2013, 88, .	1.0	27
25	Absolute detector calibration using twin beams. Optics Letters, 2012, 37, 2475.	1.7	38
26	Photon-number distributions of twin beams generated in spontaneous parametric down-conversion and measured by an intensified CCD camera. Physical Review A, 2012, 85, .	1.0	61
27	Generation of squeezed states by parametric fluorescence. , 2012, , .		0
28	White-light interferometry, Hilbert transform, and noise. , 2012, , .		1
29	White-light interferometryâ€"Envelope detection by Hilbert transform and influence of noise. Optics and Lasers in Engineering, 2012, 50, 1063-1068.	2.0	45
30	Correlations in far field of photons emitted by parametric fluorescence. , 2010, , .		0
31	Photon-number resolving detectors. Proceedings of SPIE, 2010, , .	0.8	2
32	Transverse coherence of photon pairs generated in spontaneous parametric down-conversion. Physical Review A, 2010, 81, .	1.0	40
33	Angular uncertainty of momentum correlations in parametric fluorescence. Journal of Russian Laser Research, 2009, 30, 540.	0.3	0
34	Fast time-domain balanced homodyne detection of light. Applied Optics, 2009, 48, 2884.	2.1	20
35	Photocount measurements as a tool for investigation of non-classical properties of twin beams. , 2008, , .		0