

Václav Michálek

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

614
citations

623188

14
h-index

580395

25
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35
all docs

35
docs citations

35
times ranked

461
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrashort pulse laser ablation of dielectrics: Thresholds, mechanisms, role of breakdown. Scientific Reports, 2016, 6, 39133.	1.6	110
2	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
3	White-light interferometryâ€™Envelope detection by Hilbert transform and influence of noise. Optics and Lasers in Engineering, 2012, 50, 1063-1068.	2.0	45
4	Transverse coherence of photon pairs generated in spontaneous parametric down-conversion. Physical Review A, 2010, 81, .	1.0	40
5	State reconstruction of a multimode twin beam using photodetection. Physical Review A, 2013, 87, .	1.0	40
6	Absolute detector calibration using twin beams. Optics Letters, 2012, 37, 2475.	1.7	38
7	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
8	Higher-order sub-Poissonian-like nonclassical fields: Theoretical and experimental comparison. Physical Review A, 2017, 96, .	1.0	31
9	Nonclassicality and entanglement criteria for bipartite optical fields characterized by quadratic detectors. Physical Review A, 2017, 96, .	1.0	28
10	Characterizing the nonclassicality of mesoscopic optical twin-beam states. Physical Review A, 2013, 88, .	1.0	27
11	Sub-Poissonian-light generation by postselection from twin beams. Optics Express, 2013, 21, 19387.	1.7	24
12	Fast time-domain balanced homodyne detection of light. Applied Optics, 2009, 48, 2884.	2.1	20
13	Experimental detection of nonclassicality of single-mode fields via intensity moments. Optics Express, 2016, 24, 29496.	1.7	15
14	Simultaneous observation of higher-order non-classicalities based on experimental photocount moments and probabilities. Scientific Reports, 2019, 9, 8961.	1.6	15
15	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
16	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
17	Experimental Quantification of the Entanglement of Noisy Twin Beams. Physical Review Applied, 2020, 14, .	1.5	9
18	Measuring evolution of a photon in an interferometer with spectrally resolved modes. Physical Review A, 2016, 94, .	1.0	8

#	ARTICLE	IF	CITATIONS
19	Ultrashort-pulse laser processing of transparent materials: insight from numerical and semi-analytical models. Proceedings of SPIE, 2016, , .	0.8	7
20	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
21	Non-classicality of optical fields as observed in photocount and photon-number distributions. Optics Express, 2020, 28, 32620.	1.7	5
22	Timing resolution studies of the optical part of the AFP Time-of-flight detector. Optics Express, 2018, 26, 8028.	1.7	4
23	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
24	Two-beam light with simultaneous anticorrelations in photon-number fluctuations and sub-Poissonian statistics. Physical Review A, 2021, 104, .	1.0	4
25	Two-beam light with \hat{a}^{\dagger} checkered-pattern \hat{a} photon-number distributions. Optics Express, 2021, 29, 29704.	1.7	3
26	Nonclassicality criteria for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -dimensional optical fields detected by quadratic detectors. Physical Review A, 2022, 105, .	1.0	3
27	Photon-number resolving detectors. Proceedings of SPIE, 2010, , .	0.8	2
28	Noise Reduction in Photon Counting by Exploiting Spatial Correlations. Physical Review Applied, 2017, 8, .	1.5	2
29	Reconstruction of Joint Photon-Number Distributions of Twin Beams Incorporating Spatial Noise Reduction. Physical Review Applied, 2018, 10, .	1.5	2
30	White-light interferometry, Hilbert transform, and noise. , 2012, , .		1
31	Photocount measurements as a tool for investigation of non-classical properties of twin beams. , 2008, , .		0
32	Angular uncertainty of momentum correlations in parametric fluorescence. Journal of Russian Laser Research, 2009, 30, 540.	0.3	0
33	Correlations in far field of photons emitted by parametric fluorescence. , 2010, , .		0
34	Generation of squeezed states by parametric fluorescence. , 2012, , .		0
35	Photon-number statistics of twin beams: Self-consistent measurement, reconstruction, and properties. , 2014, , .		0