

Alice Meda

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

845
citations

566801

15
h-index

476904

29
g-index

54
all docs

54
docs citations

54
times ranked

682
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent phase transfer for real-world twin-field quantum key distribution. Nature Communications, 2022, 13, 157.	5.8	44
2	Detection rate dependence of the inherent detection efficiency in single-photon detectors based on avalanche diodes. Physical Review A, 2022, 105, .	1.0	2
3	Detection of ultra-weak laser pulses by free-running single-photon detectors: Modeling dead time and dark counts effects. Applied Physics Letters, 2021, 118, .	1.5	11
4	Improving resolution-sensitivity trade off in sub-shot noise quantum imaging. Applied Physics Letters, 2020, 116, 214001.	1.5	7
5	A study to develop a robust method for measuring the detection efficiency of free-running InGaAs/InP single-photon detectors. EPJ Quantum Technology, 2020, 7, .	2.9	4
6	Analysis, Design and Implementation of an End-to-End QKD Link. NATO Science for Peace and Security Series B: Physics and Biophysics, 2020, , 55-64.	0.2	0
7	Quantum Enhanced Optical Measurements: From Ultra-High Sensitivity in Absorption Measurements to Ghost Microscopy. Proceedings (mdpi), 2019, 12, .	0.2	0
8	Quantum differential ghost microscopy. Physical Review A, 2019, 100, .	1.0	9
9	Unbiased estimation of an optical loss at the ultimate quantum limit with twin-beams. Scientific Reports, 2018, 8, 7431.	1.6	44
10	Quantum key distribution security threat: the backflash light case. , 2018, , .		0
11	Realistic QKD system hacking and security. , 2018, , .		0
12	Photon-number correlation for quantum enhanced imaging and sensing. Journal of Optics (United Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.0	75
13	Realization of the first sub-shot-noise wide field microscope. Light: Science and Applications, 2017, 6, e17005-e17005.	7.7	114
14	Quantifying backflash radiation to prevent zero-error attacks in quantum key distribution. Light: Science and Applications, 2017, 6, e16261-e16261.	7.7	40
15	Quantum enhanced wide field microscopy and ghost microscopy. , 2017, , .		0
16	The first sub shot noise wide field microscope. , 2017, , .		0
17	Ghost imaging protocol for magneto-optical applications. , 2015, , .		0
18	Magneto-optical imaging technique for hostile environments: The ghost imaging approach. Applied Physics Letters, 2015, 106, .	1.5	30

#	ARTICLE	IF	CITATIONS
19	Recent progresses in quantum imaging real applications. , 2015, , .		0
20	Quantum and Classical Characterization of Single/Few Photon Detectors. Quantum Matter, 2015, 4, 200-212.	0.2	2
21	Absolute calibration of a charge-coupled device camera with twin beams. Applied Physics Letters, 2014, 105, .	1.5	22
22	Metrology for industrial quantum communications: the MIQC project. Metrologia, 2014, 51, S267-S275.	0.6	12
23	Measurement facility for the evaluation of the backscattering in fiber: Realization of an OTDR operating at single photon level. International Journal of Quantum Information, 2014, 12, 1461014.	0.6	2
24	Quantum enhanced measurements by exploiting photon number correlations. , 2014, , .		0
25	Overcoming classical measurement limits through photon number correlations: an overview of a few recent results. , 2014, , .		3
26	Revealing interference by continuous variable discordant states. Optics Letters, 2013, 38, 3099.	1.7	7
27	The illusionist game and hidden correlations. Physica Scripta, 2013, T153, 014006.	1.2	4
28	Beyond classical limits by exploiting quantum light : a short review of INRIM results. Journal of Physics: Conference Series, 2013, 442, 012022.	0.3	1
29	Realisation of innovative quantum imaging protocols at INRIM. Proceedings of SPIE, 2012, , .	0.8	0
30	Unveiling optical hidden correlations: the illusionist game. , 2012, , .		0
31	Traceability and Online Publication of Weather Station Measurements of Temperature, Pressure, and Humidity. International Journal of Thermophysics, 2012, 33, 1633-1641.	1.0	10
32	Exploiting PDC spatial correlations for innovative quantum imaging protocols. Proceedings of SPIE, 2011, , .	0.8	1
33	Biphoton compression in standard optical fiber. , 2011, , .		0
34	Optimal estimation of entanglement in optical qubit systems. Physical Review A, 2011, 83, .	1.0	23
35	Experimental quantum imaging exploiting multimode spatial correlation of twin beams. Physical Review A, 2011, 83, .	1.0	36
36	TOWARD THIRD ORDER GHOST IMAGING WITH THERMAL LIGHT. International Journal of Quantum Information, 2011, 09, 341-348.	0.6	3

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37	Quantum State Reconstruction Using Binary Data from On/Off Photodetection. <i>Advanced Science Letters</i> , 2011, 4, 1-11.	0.2	35
38	Experimental Estimation of Entanglement at the Quantum Limit. <i>Physical Review Letters</i> , 2010, 104, 100501.	2.9	57
39	Biphoton compression in a standard optical fiber: Exact numerical calculation. <i>Physical Review A</i> , 2010, 81, .	1.0	4
40	Chirped Biphotons and their Compression in Optical Fibers. <i>Physical Review Letters</i> , 2009, 103, 193602.	2.9	37
41	Measurement of Sub-Shot-Noise Spatial Correlations without Background Subtraction. <i>Physical Review Letters</i> , 2009, 102, 213602.	2.9	117
42	SYSTEMATIC STUDY OF THE PDC SPECKLE STRUCTURE FOR QUANTUM IMAGING APPLICATIONS. <i>International Journal of Quantum Information</i> , 2009, 07, 139-147.	0.6	14
43	Constrained MaxLik reconstruction of multimode photon distributions. <i>Journal of Modern Optics</i> , 2009, 56, 196-200.	0.6	6
44	Systematic study of the PDC speckle structure for quantum imaging applications. <i>Journal of Modern Optics</i> , 2009, 56, 201-208.	0.6	27
45	Weather measurements traceability: An example at INRiM. <i>Measurement: Journal of the International Measurement Confederation</i> , 2009, 42, 1482-1486.	2.5	4
46	Sub Shot Noise Spatial Correlation Measurement for Quantum Imaging of Weak Objects. , 2009, , .		0
47	Strengthening of shear wall with high performance RC jacket. , 2008, , 453-454.		0
48	Bell states within the linewidth of SPDC and applications. <i>Proceedings of SPIE</i> , 2007, , .	0.8	0
49	Tools for quantum information: work at INRiM on characterization of quantum optical states, communication channels, and photo-detectors. , 2007, , .		0
50	ERROR CORRECTION OF A TRIANGULATION VISION MACHINE BY OPTIMIZATION. , 2006, , .		0
51	A Portable Stereovision System for Cultural Heritage Monitoring. <i>CIRP Annals - Manufacturing Technology</i> , 2005, 54, 499-502.	1.7	4
52	Physiochemical Analyses of Burkina Fasan Honey. <i>Acta Veterinaria Brno</i> , 2005, 74, 147-152.	0.2	20
53	Design and Construction of a Bridge in Very High Performance Fiber-Reinforced Concrete. <i>Journal of Bridge Engineering</i> , 2003, 8, 281-287.	1.4	14