

# Alice Meda

## List of Publications by Year in descending order

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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	Measurement of Sub-Shot-Noise Spatial Correlations without Background Subtraction. Physical Review Letters, 2009, 102, 213602.	2.9	117
2	Realization of the first sub-shot-noise wide field microscope. Light: Science and Applications, 2017, 6, e17005-e17005.	7.7	114
3	Photon-number correlation for quantum enhanced imaging and sensing. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overlo 1.0 75	1.0	75
4	Experimental Estimation of Entanglement at the Quantum Limit. Physical Review Letters, 2010, 104, 100501.	2.9	57
5	Unbiased estimation of an optical loss at the ultimate quantum limit with twin-beams. Scientific Reports, 2018, 8, 7431.	1.6	44
6	Coherent phase transfer for real-world twin-field quantum key distribution. Nature Communications, 2022, 13, 157.	5.8	44
7	Quantifying backflash radiation to prevent zero-error attacks in quantum key distribution. Light: Science and Applications, 2017, 6, e16261-e16261.	7.7	40
8	Chirped Biphotons and their Compression in Optical Fibers. Physical Review Letters, 2009, 103, 193602.	2.9	37
9	Experimental quantum imaging exploiting multimode spatial correlation of twin beams. Physical Review A, 2011, 83, .	1.0	36
10	Quantum State Reconstruction Using Binary Data from On/Off Photodetection. Advanced Science Letters, 2011, 4, 1-11.	0.2	35
11	Magneto-optical imaging technique for hostile environments: The ghost imaging approach. Applied Physics Letters, 2015, 106, .	1.5	30
12	Systematic study of the PDC speckle structure for quantum imaging applications. Journal of Modern Optics, 2009, 56, 201-208.	0.6	27
13	Optimal estimation of entanglement in optical qubit systems. Physical Review A, 2011, 83, .	1.0	23
14	Absolute calibration of a charge-coupled device camera with twin beams. Applied Physics Letters, 2014, 105, .	1.5	22
15	Physiochemical Analyses of Burkina Fasan Honey. Acta Veterinaria Brno, 2005, 74, 147-152.	0.2	20
16	Design and Construction of a Bridge in Very High Performance Fiber-Reinforced Concrete. Journal of Bridge Engineering, 2003, 8, 281-287.	1.4	14
17	SYSTEMATIC STUDY OF THE PDC SPECKLE STRUCTURE FOR QUANTUM IMAGING APPLICATIONS. International Journal of Quantum Information, 2009, 07, 139-147.	0.6	14
18	Metrology for industrial quantum communications: the MIQC project. Metrologia, 2014, 51, S267-S275.	0.6	12

#	ARTICLE	IF	CITATIONS
19	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
20	Traceability and Online Publication of Weather Station Measurements of Temperature, Pressure, and Humidity. International Journal of Thermophysics, 2012, 33, 1633-1641.	1.0	10
21	Quantum differential ghost microscopy. Physical Review A, 2019, 100, .	1.0	9
22	Revealing interference by continuous variable discordant states. Optics Letters, 2013, 38, 3099.	1.7	7
23	Improving resolution-sensitivity trade off in sub-shot noise quantum imaging. Applied Physics Letters, 2020, 116, 214001.	1.5	7
24	Constrained MaxLik reconstruction of multimode photon distributions. Journal of Modern Optics, 2009, 56, 196-200.	0.6	6
25	A Portable Stereovision System for Cultural Heritage Monitoring. CIRP Annals - Manufacturing Technology, 2005, 54, 499-502.	1.7	4
26	Weather measurements traceability: An example at INRiM. Measurement: Journal of the International Measurement Confederation, 2009, 42, 1482-1486.	2.5	4
27	Biphoton compression in a standard optical fiber: Exact numerical calculation. Physical Review A, 2010, 81, .	1.0	4
28	The illusionist game and hidden correlations. Physica Scripta, 2013, T153, 014006.	1.2	4
29	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
30	TOWARD THIRD ORDER GHOST IMAGING WITH THERMAL LIGHT. International Journal of Quantum Information, 2011, 09, 341-348.	0.6	3
31	Overcoming classical measurement limits through photon number correlations: an overview of a few recent results. , 2014, , .		3
32	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
33	Quantum and Classical Characterization of Single/Few Photon Detectors. Quantum Matter, 2015, 4, 200-212.	0.2	2
34	Detection rate dependence of the inherent detection efficiency in single-photon detectors based on avalanche diodes. Physical Review A, 2022, 105, .	1.0	2
35	Exploiting PDC spatial correlations for innovative quantum imaging protocols. Proceedings of SPIE, 2011, , .	0.8	1
36	Beyond classical limits by exploiting quantum light : a short review of INRiM results. Journal of Physics: Conference Series, 2013, 442, 012022.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Bell states within the linewidth of SPDC and applications. Proceedings of SPIE, 2007, , .	0.8	0
38	Tools for quantum information: work at INRIM on characterization of quantum optical states, communication channels, and photo-detectors. , 2007, , .		0
39	Biphoton compression in standard optical fiber. , 2011, , .		0
40	Realisation of innovative quantum imaging protocols at INRIM. Proceedings of SPIE, 2012, , .	0.8	0
41	Unveiling optical hidden correlations: the illusionist game. , 2012, , .		0
42	Quantum enhanced measurements by exploiting photon number correlations. , 2014, , .		0
43	Ghost imaging protocol for magneto-optical applications. , 2015, , .		0
44	Recent progresses in quantum imaging real applications. , 2015, , .		0
45	Quantum enhanced wide field microscopy and ghost microscopy. , 2017, , .		0
46	Quantum Enhanced Optical Measurements: From Ultra-High Sensitivity in Absorption Measurements to Ghost Microscopy. Proceedings (mdpi), 2019, 12, .	0.2	0
47	ERROR CORRECTION OF A TRIANGULATION VISION MACHINE BY OPTIMIZATION. , 2006, , .		0
48	Strengthening of shear wall with high performance RC jacket. , 2008, , 453-454.		0
49	Sub Shot Noise Spatial Correlation Measurement for Quantum Imaging of Weak Objects. , 2009, , .		0
50	The first sub shot noise wide field microscope. , 2017, , .		0
51	Quantum key distribution security threat: the backflash light case. , 2018, , .		0
52	Realistic QKD system hacking and security. , 2018, , .		0
53	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