Jan Sperling

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5193227/publications.pdf

Version: 2024-02-01

105	2,074	236925	276875
papers	citations	25 h-index	41 g-index

106	106	106	1121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Driven Gaussian quantum walks. Physical Review A, 2022, 105, .	2.5	2
2	Nonclassicality Phase-Space Inequalities: Theory and Experiment. , 2021, , .		0
3	Multi-photon Fock-state generation via climbing the Fock ladder. , 2021, , .		0
4	Statistical Benchmarking of Scalable Photonic Quantum Systems. Physical Review Letters, 2021, 126, 023601.	7.8	5
5	Experimental entanglement characterization of two-rebit states. Physical Review A, 2021, 103, .	2.5	3
6	Transient subdiffusion via disordered quantum walks. Physical Review Research, 2021, 3, .	3.6	11
7	Quantum Correlations beyond Entanglement and Discord. Physical Review Letters, 2021, 126, 170404.	7.8	13
8	Topological Anderson Localization Transition in Time-Multiplexed Quantum Walks. , 2021, , .		0
9	Quantum optical coherence: From linear to nonlinear interferometers. , 2021, , .		1
10	Probing the topological Anderson transition with quantum walks. Physical Review Research, 2021, 3, .	3.6	4
11	Quantifying Quantum Coherence in Polariton Condensates. PRX Quantum, 2021, 2, .	9.2	9
12	Benchmarking Quantum Correlations in Scalable Photonic Systems. , 2021, , .		0
13	Driving two-photon interference via classical control in quantum networks. , 2021, , .		0
14	Quantum optical coherence: From linear to nonlinear interferometers. Physical Review A, 2021, 104, .	2.5	12
15	Nonclassical Phase-Space Correlations in Theory and Experiment. , 2021, , .		0
16	Two-Rebit Entanglement: Theory and Experiment. , 2021, , .		0
17	Quasiprobability distributions for quantum-optical coherence and beyond. Physica Scripta, 2020, 95, 034007.	2.5	26
18	Detector-Agnostic Phase-Space Distributions. Physical Review Letters, 2020, 124, 013605.	7.8	8

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19	Quantum photonics with active feedback loops. Physical Review A, 2020, 102, .	2.5	6
20	Local Versus Global Two-Photon Interference in Quantum Networks. Physical Review Letters, 2020, 125, 213604.	7.8	9
21	Classical evolution in quantum systems. Physica Scripta, 2020, 95, 065101.	2.5	1
22	Identifying ultrafast fs-squeezing with a genuinely local oscillator and photon counting. , 2020, , .		0
23	What can single photons do what lasers cannot do?. Quantum Science and Technology, 2019, 4, 045008.	5.8	5
24	Benchmarking of Gaussian boson sampling using two-point correlators. Physical Review A, 2019, 99, .	2.5	22
25	Experimental Reconstruction of Entanglement Quasiprobabilities. Physical Review Letters, 2019, 122, 053602.	7.8	11
26	Mode-independent quantum entanglement for light. Physical Review A, 2019, 100, .	2.5	13
27	Measuring coherence of quantum measurements. Physical Review Research, 2019, 1, .	3.6	17
28	Quasiprobability Representation for Quantum Correlations and Measurements. , 2019, , .		0
29	Quasiprobability Representation for Quantum Correlations and Measurements. , 2019, , .		0
30	Geometrical picture of photocounting measurements. Physical Review A, 2018, 97, .	2.5	14
31	Incomplete Detection of Nonclassical Phase-Space Distributions. Physical Review Letters, 2018, 120, 063607.	7.8	25
32	Two-particle four-point correlations in dynamically disordered tight-binding networks. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 024002.	1.5	5
33	Quasistates and quasiprobabilities. Physical Review A, 2018, 98, .	2.5	9
34	Numerical Construction of Multipartite Entanglement Witnesses. Physical Review X, 2018, 8, .	8.9	13
35	Quasiprobability representation of quantum coherence. Physical Review A, 2018, 97, .	2.5	33
36	Quantum correlations in composite systems. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 134003.	1.5	13

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37	High intensity click statistics from a 10 Ã— 10 avalanche photodiode array. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 214003.	1.5	8
38	Separable and Inseparable Quantum Trajectories. Physical Review Letters, 2017, 119, 170401.	7.8	4
39	Conditional Hybrid Nonclassicality. Physical Review Letters, 2017, 119, 120403.	7.8	22
40	Quantum coherences of indistinguishable particles. Physical Review A, 2017, 96, .	2.5	12
41	Higher-order nonclassical effects in fluctuating-loss channels. Physical Review A, 2017, 95, .	2.5	10
42	Probing free-space quantum channels with laboratory-based experiments. Physical Review A, 2017, 95, .	2.5	21
43	Direct calibration of click-counting detectors. Physical Review A, 2017, 95, .	2.5	20
44	Displaced photon-number entanglement tests. Physical Review A, 2017, 96, .	2.5	5
45	Entanglement verification of noisy NOON states. Physical Review A, 2017, 96, .	2.5	10
46	Detector-Independent Verification of Quantum Light. Physical Review Letters, 2017, 118, 163602.	7.8	25
47	Quantifying nonclassicality by characteristic functions. Physical Review A, 2017, 95, .	2.5	25
48	Time-dependent quantum correlations in phase space. Physical Review A, 2017, 95, .	2.5	8
49	Identification of nonclassical properties of light with multiplexing layouts. Physical Review A, 2017, 96, .	2.5	10
50	Entanglement in macroscopic systems. Physical Review A, 2017, 95, .	2.5	19
51	Atmospheric Quantum Channels for Nonclassical and Entangled Light. , 2017, , .		0
52	Divide & Conquer: genuine characterization of light states by click detectors. , 2017, , .		0
53	Click-Counting Detection of Quantum Correlated Light. , 2017, , .		0
54	Versatile Forms of Multimode Entanglement. , 2017, , .		0

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55	Multipartite Entanglement of a Two-Separable State. Physical Review Letters, 2016, 117, 110502.	7.8	40
56	Quantum Correlations from the Conditional Statistics of Incomplete Data. Physical Review Letters, 2016, 117, 083601.	7.8	18
57	Characterizing maximally singular phase-space distributions. Physical Review A, 2016, 94, .	2.5	29
58	Witnessing random unitary and projective quantum channels: Complementarity between separable and maximally entangled states. Physical Review A, 2016, 93, .	2.5	3
59	Operational definition of quantum correlations of light. Physical Review A, 2016, 94, .	2.5	7
60	Gaussian entanglement in the turbulent atmosphere. Physical Review A, 2016, 94, .	2.5	32
61	Multitime correlation functions in nonclassical stochastic processes. Physical Review A, 2016, 93, .	2.5	12
62	Harnessing click detectors for the genuine characterization of light states. Scientific Reports, 2016, 6, 19489.	3.3	30
63	Homodyne detection with on-off detector systems. Physical Review A, 2015, 92, .	2.5	15
64	Uncovering Quantum Correlations with Time-Multiplexed Click Detection. Physical Review Letters, 2015, 115, 023601.	7.8	47
65	Unified nonclassicality criteria. Physical Review A, 2015, 92, .	2.5	42
66	Continuous sampling of the squeezed-state nonclassicality. Physical Review A, 2015, 92, .	2.5	27
67	Balanced homodyne detection with on-off detector systems: Observable nonclassicality criteria. Europhysics Letters, 2015, 109, 34001.	2.0	12
68	Full Multipartite Entanglement of Frequency-Comb Gaussian States. Physical Review Letters, 2015, 114, 050501.	7.8	102
69	Entanglement witnesses for indistinguishable particles. Physical Review A, 2015, 91, .	2.5	26
70	Entanglement and phase properties of noisy NOON states. Physical Review A, 2015, 91, .	2.5	18
71	Nonclassicality Phase-Space Functions: More Insight with Fewer Detectors. Physical Review Letters, 2015, 114, 103602.	7.8	17
72	Convex ordering and quantification of quantumness. Physica Scripta, 2015, 90, 074024.	2.5	59

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73	Divide-and-Conquer Integrated Photon-Counting Device. , 2015, , .		0
74	Divide & Conquer: Counting photons on an integrated platform. , 2015, , .		0
75	Correlation measurements with systems of on-off detectors. , 2014, , .		0
76	Bipartite bound entanglement in continuous variables through degaussification. Physical Review A, 2014, 89, .	2.5	6
77	Detection of nonlocal superpositions. Physical Review A, 2014, 90, .	2.5	19
78	Structural Quantification of Entanglement. Physical Review Letters, 2014, 113, 260502.	7.8	24
79	Unified quantification of nonclassicality and entanglement. Physical Review A, 2014, 89, .	2.5	139
80	Witnessing the degree of nonclassicality of light. Physical Review A, 2014, 90, .	2.5	26
81	Quantum state engineering by click counting. Physical Review A, 2014, 89, .	2.5	50
82	Entanglement witnesses and detection of nonlocal superpositions. , 2014, , .		0
83	Multipartite Entanglement Witnesses. Physical Review Letters, 2013, 111, 110503.	7.8	114
84	Quasiprobabilities for multipartite quantum correlations of light. Physical Review A, 2013, 87, .	2.5	41
85	Multipartite entangled light from driven microcavities. Physical Review A, 2013, 88, .	2.5	12
86	Correlation measurements with on-off detectors. Physical Review A, 2013, 88, .	2.5	35
87	Operational Gaussian Schmidt-number witnesses. Physical Review A, 2013, 88, .	2.5	12
88	Measurements with on-off detector systems. , 2013, , .		0
89	Nonclassicality, entanglement, and nonclassical correlations. , 2013, , .		0
90	Witnessing of Multipartite Entanglement. , 2013, , .		0

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91	Nonclassicality, entanglement, and nonclassical correlations. , 2013, , .		0
92	Sub-Binomial Light. Physical Review Letters, 2012, 109, 093601.	7.8	62
93	Entanglement quasiprobabilities of squeezed light. New Journal of Physics, 2012, 14, 055026.	2.9	19
94	Quantification of nonclassicality. Physical Review A, 2012, 86, .	2.5	64
95	Analytical progress on symmetric geometric discord: Measurement-based upper bounds. Physical Review A, 2012, 86, .	2.5	28
96	Strongly entangled light from planar microcavities. Physical Review A, 2012, 86, .	2.5	22
97	True photocounting statistics of multiple on-off detectors. Physical Review A, 2012, 85, .	2.5	104
98	The Schmidt number as a universal entanglement measure. Physica Scripta, 2011, 83, 045002.	2.5	71
99	Quasiprobability representations of quantumness. , 2011, , .		0
100	Determination of the Schmidt number. Physical Review A, 2011, 83, .	2.5	38
101	Characterizing nonclassicality and entanglement. Optics and Spectroscopy (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	0
102	Verifying continuous-variable entanglement in finite spaces. Physical Review A, 2009, 79, .	2.5	23
103	Necessary and sufficient conditions for bipartite entanglement. Physical Review A, 2009, 79, .	2.5	76
104	Representation of entanglement by negative quasiprobabilities. Physical Review A, 2009, 79, .	2.5	40
105	Probing nonclassicality with matrices of phase-space distributions. Quantum - the Open Journal for Quantum Science, 0, 4, 343.	0.0	23