

Jianming Wen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8795704/publications.pdf>

Version: 2024-02-01

54
papers

2,954
citations

279798

23
h-index

223800

46
g-index

55
all docs

55
docs citations

55
times ranked

2154
citing authors

#	ARTICLE	IF	CITATIONS
1	Parity-time symmetry and variable optical isolation in active-passive-coupled microresonators. <i>Nature Photonics</i> , 2014, 8, 524-529.	31.4	910
2	The Talbot effect: recent advances in classical optics, nonlinear optics, and quantum optics. <i>Advances in Optics and Photonics</i> , 2013, 5, 83.	25.5	310
3	Anti-parity-time symmetry with flying atoms. <i>Nature Physics</i> , 2016, 12, 1139-1145.	16.7	298
4	Nonlinear Talbot Effect. <i>Physical Review Letters</i> , 2010, 104, 183901.	7.8	158
5	Narrowband biphoton generation near atomic resonance. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, C98.	2.1	132
6	Four-Wave Mixing and Biphoton Generation in a Two-Level System. <i>Physical Review Letters</i> , 2007, 98, 053601.	7.8	110
7	Demonstration of a chip-based optical isolator with parametric amplification. <i>Nature Communications</i> , 2016, 7, 13657.	12.8	89
8	Electromagnetically induced Talbot effect. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	79
9	Anti-Parity-Time Symmetric Optical Four-Wave Mixing in Cold Atoms. <i>Physical Review Letters</i> , 2019, 123, 193604.	7.8	65
10	Optimal storage and retrieval of single-photon waveforms. <i>Optics Express</i> , 2012, 20, 24124.	3.4	60
11	Four-wave mixing in three-level systems: Interference and entanglement. <i>Physical Review A</i> , 2007, 76, .	2.5	45
12	Second-order Talbot effect with entangled photon pairs. <i>Physical Review A</i> , 2009, 80, .	2.5	45
13	Parity-time symmetry in optical microcavity systems. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 222001.	1.5	45
14	Biphoton generation in a two-level atomic ensemble. <i>Physical Review A</i> , 2007, 75, .	2.5	42
15	Nonclassical light generation via a four-level inverted-Y system. <i>Physical Review A</i> , 2008, 77, .	2.5	42
16	Overcoming erasure errors with multilevel systems. <i>New Journal of Physics</i> , 2017, 19, 013026.	2.9	40
17	Engineering biphoton wave packets with an electromagnetically induced grating. <i>Physical Review A</i> , 2010, 82, .	2.5	34
18	Antiparity-Time Symmetry in Passive Nanophotonics. <i>ACS Photonics</i> , 2020, 7, 3035-3041.	6.6	34

#	ARTICLE	IF	CITATIONS
19	Chip-Based Optical Isolator and Nonreciprocal Parity-Time Symmetry Induced by Stimulated Brillouin Scattering. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900278.	8.7	31
20	Transverse effects in paired-photon generation via an electromagnetically induced transparency medium. I. Perturbation theory. <i>Physical Review A</i> , 2006, 74, .	2.5	30
21	Photon-number-resolved detection of photon-subtracted thermal light. <i>Optics Letters</i> , 2013, 38, 2171.	3.3	30
22	Transverse effects in paired-photon generation via an electromagnetically induced transparency medium. II. Beyond perturbation theory. <i>Physical Review A</i> , 2006, 74, .	2.5	26
23	Spontaneous parametric down-conversion in a three-level system. <i>Physical Review A</i> , 2007, 76, .	2.5	25
24	Theory of nonlinear Talbot effect. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 275.	2.1	22
25	Tripartite entanglement generation via four-wave mixings: narrowband triphoton W state. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, A11.	2.1	20
26	Temporally shaping biphoton wave packets with periodically modulated driving fields. <i>Physical Review A</i> , 2009, 79, .	2.5	19
27	Fractional second-harmonic Talbot effect. <i>Optics Letters</i> , 2012, 37, 689.	3.3	19
28	Diffraction Interference Induced Superfocusing in Nonlinear Talbot Effect. <i>Scientific Reports</i> , 2015, 4, 6134.	3.3	18
29	Distinction of tripartite Greenberger-Horne-Zeilinger and W states entangled in time (or energy) and space. <i>Physical Review A</i> , 2009, 79, .	2.5	17
30	Forming positive-negative images using conditioned partial measurements from reference arm in ghost imaging. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012, 29, 1906.	1.5	17
31	Transverse correlations in triphoton entanglement: Geometrical and physical optics. <i>Physical Review A</i> , 2007, 76, .	2.5	16
32	Sub-Hertz resonance by weak measurement. <i>Nature Communications</i> , 2020, 11, 1752.	12.8	14
33	Generation of frequency-correlated narrowband biphotons from four-wave mixing in cold atoms. <i>Physical Review A</i> , 2010, 82, .	2.5	12
34	Controllable coupling between an ultra-high-Q microtoroid cavity and a graphene monolayer for optical filtering and switching applications. <i>Optics Express</i> , 2020, 28, 7906.	3.4	12
35	Modeling of On-Chip Optical Nonreciprocity with an Active Microcavity. <i>Photonics</i> , 2015, 2, 498-508.	2.0	11
36	Coherence-Assisted Resonance with Sub-Transit-Limited Linewidth. <i>Physical Review Letters</i> , 2012, 109, 233006.	7.8	10

#	ARTICLE	IF	CITATIONS
37	Improving spatial resolution in quantum imaging beyond the Rayleigh diffraction limit using multiphoton W entangled states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 3908-3911.	2.1	9
38	Theory of two-photon interference in an electromagnetically induced transparency system. <i>Physical Review A</i> , 2004, 70, .	2.5	8
39	Transverse correlations in multiphoton entanglement. <i>Physical Review A</i> , 2007, 76, .	2.5	7
40	Two-photon beating experiment using biphotons generated from a two-level system. <i>Physical Review A</i> , 2008, 78, .	2.5	7
41	Acousto-optic tunable second-harmonic Talbot effect based on periodically poled LiNbO ₃ crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 3325.	2.1	7
42	High-power, low-noise Brillouin laser on a silicon chip. <i>Optics Letters</i> , 2022, 47, 1638.	3.3	7
43	Effects of mismatched transmissions on two-mode squeezing and EPR correlations with a slow light medium. <i>Physical Review A</i> , 2005, 72, .	2.5	6
44	Self-pulsations in a microcavity Brillouin laser. <i>Optics Letters</i> , 2022, 47, 421.	3.3	4
45	Hybrid Entanglement between Optical Discrete Polarizations and Continuous Quadrature Variables. <i>Photonics</i> , 2021, 8, 552.	2.0	4
46	PT-Symmetry and on-Chip Optical Nonreciprocity in Active-Passive-Coupled Microtoroids. , 2014, , .		1
47	Biphoton in a two-level cooled atomic ensemble. , 2007, , .		0
48	Fractional Second-harmonic Talbot Effect. , 2012, , .		0
49	Four-Wave Mixing and Two-Photon Interference in a Three-Level Atomic Ensemble. , 2007, , .		0
50	A New Beating Experiment Using Biphotons Generated from a Two-Level System. , 2007, , .		0
51	Shaping Paired Photons with Four-Wave Mixing and Slow Light. , 2009, , .		0
52	Narrowband Triphoton W State Generation via Four-Wave Mixings. , 2009, , .		0
53	Non-Hermitian Nonlinear Optics without Gain and Loss. , 2019, , .		0
54	Sub-Hertz Resonance by Weak Measurement. , 2019, , .		0