

Todd Pittman

List of Publications by Year in descending order

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68
papers

4,824
citations

236612

25
h-index

161609

54
g-index

68
all docs

68
docs citations

68
times ranked

2852
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherence of quantum states after noiseless attenuation. Physical Review A, 2022, 105, .	1.0	3
2	Modifying quantum optical states by zero-photon subtraction. Physical Review A, 2022, 105, .	1.0	9
3	Heralding on the detection of zero photons. Physical Review A, 2021, 104, .	1.0	12
4	Nonlocal dispersion cancellation for three or more photons. Physical Review A, 2020, 102, .	1.0	2
5	Maximizing optical production of metastable xenon. Optics Express, 2020, 28, 24079.	1.7	1
6	Optical Pumping in Xenon Atoms. , 2020, , .		0
7	Optical attenuation without absorption. Physical Review A, 2019, 100, .	1.0	4
8	Optical Attenuation without Absorption. , 2019, , .		0
9	Transmission characteristics of optical nanofibers in metastable xenon. Applied Optics, 2019, 58, 6470.	0.9	2
10	Reduced decoherence using squeezing, amplification, and antisqueezing. Physical Review A, 2018, 98, .	1.0	8
11	Noiseless attenuation using an optical parametric amplifier. Physical Review A, 2017, 96, .	1.0	19
12	Nanofiber-segment ring resonator. Optics Letters, 2016, 41, 3683.	1.7	11
13	Optically enhanced production of metastable xenon. Optics Letters, 2016, 41, 4372.	1.7	11
14	Low-power cross-phase modulation in a metastable xenon-filled cavity for quantum-information applications. Physical Review A, 2015, 92, .	1.0	8
15	Ladder-type electromagnetically induced transparency using nanofiber-guided light in a warm atomic vapor. Physical Review A, 2015, 92, .	1.0	20
16	Feasibility of single-photon cross-phase modulation using metastable xenon in a high finesse cavity. Optics Communications, 2015, 337, 57-61.	1.0	7
17	Optical Nonlinearities Using Tapered Optical Fibers in Rubidium Vapor. , 2014, , .		0
18	Saturated absorption at nanowatt power levels using metastable xenon in a high-finesse optical cavity. Optics Express, 2014, 22, 22882.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Saturation of atomic transitions using subwavelength diameter tapered optical fibers in rubidium vapor. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 1997.	0.9	13
20	Ultralow-power nonlinear optics using tapered optical fibers in noble gases. , 2014, , .		0
21	All-optical-switching demonstration using two-photon absorption and the Zeno effect. <i>Physical Review A</i> , 2013, 87, .	1.0	41
22	Ultralow-power nonlinear optics using tapered optical fibers in metastable xenon. <i>Physical Review A</i> , 2013, 88, .	1.0	18
23	Enhanced transmission for ultra-low-power nonlinear optics experiments using tapered optical fibers in Rubidium vapor. , 2013, , .		0
24	Time-bin-entangled photon holes. <i>Physical Review A</i> , 2012, 86, .	1.0	1
25	Observation of Low-Contrast All-Optical Switching in Si3N4 Microdisks Based on the Zeno Effect. , 2012, , .		0
26	Role of pump coherence in two-photon interferometry. <i>Physical Review A</i> , 2011, 83, .	1.0	4
27	Low Light-Level Two-Photon Absorption using Tapered Optical Fibers in Rubidium Vapor. , 2011, , .		0
28	Photonic Quantum Computing using Forced Fermion-Like Behavior. <i>AIP Conference Proceedings</i> , 2011, , .	0.3	1
29	Observation of low-contrast all-optical switching based on the Zeno effect. , 2011, , .		0
30	Observation of Two-Photon Absorption at Low Power Levels Using Tapered Optical Fibers in Rubidium Vapor. <i>Physical Review Letters</i> , 2010, 105, 173602.	2.9	96
31	Observation of two-photon absorption at low power levels using tapered optical fibers and rubidium vapor. , 2010, , .		1
32	Nonlinear transmission through a tapered fiber in rubidium vapor. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 267.	0.9	15
33	A Parametric Down-Conversion Source for Two-Photon Absorption Experiments. , 2008, , .		0
34	Investigation of a single-photon source based on quantum interference. <i>New Journal of Physics</i> , 2007, 9, 195-195.	1.2	12
35	Microcavities Using Holey Fibers. <i>Journal of Lightwave Technology</i> , 2007, 25, 3068-3071.	2.7	2
36	Bell's Inequality Tests and Quantum Communication with Entangled Photon Holes. , 2007, , .		0

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37	Generation of entangled photon holes using quantum interference. <i>Physical Review A</i> , 2006, 74, .	1.0	16
38	Single photon source using laser pulses and two-photon absorption. <i>Physical Review A</i> , 2006, 74, .	1.0	29
39	Heralding single photons from pulsed parametric down-conversion. <i>Optics Communications</i> , 2005, 246, 545-550.	1.0	162
40	Experimental demonstration of a quantum circuit using linear optics gates. <i>Physical Review A</i> , 2005, 71, .	1.0	27
41	Demonstration of quantum error correction using linear optics. <i>Physical Review A</i> , 2005, 71, .	1.0	63
42	Photon-number-resolving detection using time-multiplexing. <i>Journal of Modern Optics</i> , 2004, 51, 1499-1515.	0.6	137
43	Probabilistic quantum encoder for single-photon qubits. <i>Physical Review A</i> , 2004, 69, .	1.0	32
44	Quantum Computing Using Linear Optics and the Zeno Effect. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	0
45	Quantum computing using single photons and the Zeno effect. <i>Physical Review A</i> , 2004, 70, .	1.0	171
46	Heralded two-photon entanglement from probabilistic quantum logic operations on multiple parametric down-conversion sources. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2003, 9, 1478-1482.	1.9	17
47	Experimental controlled-NOT logic gate for single photons in the coincidence basis. <i>Physical Review A</i> , 2003, 68, .	1.0	265
48	Violation of Bell's Inequality with Photons from Independent Sources. <i>Physical Review Letters</i> , 2003, 90, 240401.	2.9	64
49	Photon-number resolution using time-multiplexed single-photon detectors. <i>Physical Review A</i> , 2003, 68, .	1.0	285
50	Single photons on pseudodemand from stored parametric down-conversion. <i>Physical Review A</i> , 2002, 66, .	1.0	175
51	Cyclical quantum memory for photonic qubits. <i>Physical Review A</i> , 2002, 66, .	1.0	66
52	High-Fidelity Quantum Logic Operations Using Linear Optical Elements. <i>Physical Review Letters</i> , 2002, 89, 137901.	2.9	85
53	Demonstration of feed-forward control for linear optics quantum computation. <i>Physical Review A</i> , 2002, 66, .	1.0	53
54	Quantum relays and noise suppression using linear optics. <i>Physical Review A</i> , 2002, 66, .	1.0	108

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55	Demonstration of Nondeterministic Quantum Logic Operations Using Linear Optical Elements. Physical Review Letters, 2002, 88, 257902.	2.9	163
56	Quantum logic operations using linear optical elements. , 2002, , .		1
57	Probabilistic quantum logic operations using polarizing beam splitters. Physical Review A, 2001, 64, .	1.0	350
58	Quantum logic operations based on photon-exchange interactions. Physical Review A, 1999, 60, 917-936.	1.0	24
59	What we can learn about single photons in a two-photon interference experiment. Physical Review A, 1998, 57, 567-570.	1.0	54
60	Two-photon geometric optics. Physical Review A, 1996, 53, 2804-2815.	1.0	167
61	Postselection-free energy-time entanglement. Physical Review A, 1996, 54, R1-R4.	1.0	94
62	Can Two-Photon Interference be Considered the Interference of Two Photons?. Physical Review Letters, 1996, 77, 1917-1920.	2.9	198
63	On the use of double entanglement in four-photon experiments. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 204, 193-197.	0.9	5
64	Experimental tests of Bell's inequalities based on space-time and spin variables. Physical Review A, 1995, 51, 3495-3498.	1.0	29
65	Optical imaging by means of two-photon quantum entanglement. Physical Review A, 1995, 52, R3429-R3432.	1.0	1,642
66	EPR and Two-Photon Interference Experiments Using Type-II Parametric Downconversiona. Annals of the New York Academy of Sciences, 1995, 755, 40-60.	1.8	2
67	Two-Photon "Ghost" Image and Interference-Diffractiona. Annals of the New York Academy of Sciences, 1995, 755, 121-132.	1.8	3
68	It's a Good Time for Time-Bin Qubits. Physics Magazine, 0, 6, .	0.1	11