

# Yanhua Shih

## List of Publications by Year in descending order

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89  
papers

7,807  
citations

136950

32  
h-index

98798

67  
g-index

89  
all docs

89  
docs citations

89  
times ranked

3881  
citing authors

#	ARTICLE	IF	CITATIONS
1	New High-Intensity Source of Polarization-Entangled Photon Pairs. Physical Review Letters, 1995, 75, 4337-4341.	7.8	2,612
2	Two-Photon Imaging with Thermal Light. Physical Review Letters, 2005, 94, 063601.	7.8	676
3	Two-Photon Diffraction and Quantum Lithography. Physical Review Letters, 2001, 87, 013602.	7.8	550
4	Quantum Teleportation of a Polarization State with a Complete Bell State Measurement. Physical Review Letters, 2001, 86, 1370-1373.	7.8	523
5	Delayed "Choice" Quantum Eraser. Physical Review Letters, 2000, 84, 1-5.	7.8	396
6	Can Two-Photon Correlation of Chaotic Light Be Considered as Correlation of Intensity Fluctuations?. Physical Review Letters, 2006, 96, 063602.	7.8	262
7	Turbulence-free ghost imaging. Applied Physics Letters, 2011, 98, .	3.3	234
8	Entangled biphoton source - property and preparation. Reports on Progress in Physics, 2003, 66, 1009-1044.	20.1	206
9	Ghost-imaging experiment by measuring reflected photons. Physical Review A, 2008, 77, .	2.5	194
10	Identifying Entanglement Using Quantum Ghost Interference and Imaging. Physical Review Letters, 2004, 92, 233601.	7.8	163
11	Distant clock synchronization using entangled photon pairs. Applied Physics Letters, 2004, 85, 2655-2657.	3.3	141
12	Quantum Imaging. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 1016-1030.	2.9	120
13	Phase-conjugate mirror via two-photon thermal light imaging. Applied Physics Letters, 2006, 88, 061106.	3.3	110
14	Entangled Two-Photon Wave Packet in a Dispersive Medium. Physical Review Letters, 2002, 88, 183601.	7.8	108
15	Experimental entanglement concentration and universal Bell-state synthesizer. Physical Review A, 2003, 67, .	2.5	84
16	Positive-negative turbulence-free ghost imaging. Applied Physics Letters, 2012, 100, .	3.3	84
17	Resolution of quantum and classical ghost imaging. Physical Review A, 2005, 72, .	2.5	74
18	Entangled photons. IEEE Journal of Selected Topics in Quantum Electronics, 2003, 9, 1455-1467.	2.9	68

#	ARTICLE	IF	CITATIONS
19	Experimental Realization of Popper's Experiment: Violation of the Uncertainty Principle?. Foundations of Physics, 1999, 29, 1849-1861.	1.3	67
20	Interferometric Bell-state preparation using femtosecond-pulse-pumped spontaneous parametric down-conversion. Physical Review A, 2001, 63, .	2.5	65
21	High-intensity pulsed source of space-time and polarization double-entangled photon pairs. Physical Review A, 2000, 62, .	2.5	62
22	Experimental study of the momentum correlation of a pseudothermal field in the photon-counting regime. Physical Review A, 2004, 70, .	2.5	62
23	Bell-state preparation using pulsed nondegenerate two-photon entanglement. Physical Review A, 2001, 63, .	2.5	61
24	Third-order correlation function and ghost imaging of chaotic thermal light in the photon counting regime. Physical Review A, 2010, 81, .	2.5	61
25	$\langle \langle N_1 N_2 \rangle \rangle$ coherence of thermal light. Physical Review A, 2009, 79, .	2.5	59
26	Remote spectral measurement using entangled photons. Applied Physics Letters, 2003, 83, 5560-5562.	3.3	53
27	Virtual ghost imaging through turbulence and obscurants using Bessel beam illumination. Applied Physics Letters, 2012, 100, .	3.3	52
28	Theory of the three-photon entangled state. Physical Review A, 1998, 57, 2076-2079.	2.5	46
29	Resolution of ghost imaging for nondegenerate spontaneous parametric down-conversion. Physical Review A, 2008, 78, .	2.5	41
30	100% correlation of chaotic thermal light. Physical Review A, 2013, 88, .	2.5	41
31	Two-color ghost imaging with enhanced angular resolving power. Physical Review A, 2010, 81, .	2.5	39
32	Delayed-Choice Quantum Eraser with Thermal Light. Physical Review Letters, 2014, 112, 180401.	7.8	36
33	Turbulence-Free Double-slit Interferometer. Physical Review Letters, 2018, 120, 063606.	7.8	34
34	A new two-photon ghost imaging experiment with distortion study. Journal of Modern Optics, 2007, 54, 2381-2392.	1.3	32
35	Super-resolution imaging using the spatial-frequency filtered intensity fluctuation correlation. Scientific Reports, 2016, 6, 38077.	3.3	32
36	The physics of ghost imaging: nonlocal interference or local intensity fluctuation correlation?. Quantum Information Processing, 2012, 11, 995-1001.	2.2	31

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37	Experimental study of a subsystem in an entangled two-photon state. <i>Physical Review A</i> , 1999, 60, 2685-2688.	2.5	26
38	Factoring numbers with a single interferogram. <i>Physical Review A</i> , 2011, 83, .	2.5	24
39	Resolution enhancement of third-order thermal light ghost imaging in the photon counting regime. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 377.	2.1	20
40	New factorization algorithm based on a continuous representation of truncated Gauss sums. <i>Journal of Modern Optics</i> , 2009, 56, 2125-2132.	1.3	18
41	Quantum interference by two temporally distinguishable pulses. <i>Physical Review A</i> , 1999, 60, R37-R40.	2.5	17
42	Temporal indistinguishability and quantum interference. <i>Physical Review A</i> , 2000, 62, .	2.5	17
43	Quantum teleportation with a complete Bell state measurement. <i>Journal of Modern Optics</i> , 2002, 49, 221-236.	1.3	17
44	Transverse correlations in triphoton entanglement: Geometrical and physical optics. <i>Physical Review A</i> , 2007, 76, .	2.5	16
45	First-order interference of nonclassical light emitted spontaneously at different times. <i>Physical Review A</i> , 2000, 61, .	2.5	14
46	The Physics of Ghost Imaging. , 2012, , 169-222.		14
47	Simulation of Bell states with incoherent thermal light. <i>New Journal of Physics</i> , 2011, 13, 083018.	2.9	12
48	The Physics of Turbulence-Free Ghost Imaging. <i>Technologies</i> , 2016, 4, 39.	5.1	12
49	Two-Photon Entanglement and Quantum Reality. <i>Advances in Atomic, Molecular and Optical Physics</i> , 1999, , 1-42.	2.3	10
50	Experimental Realization of Popper's Experiment - Violation of The Uncertainty Principle?. <i>Fortschritte Der Physik</i> , 2000, 48, 463-471.	4.4	10
51	QUANTUM INFORMATION Quantum imaging, quantum lithography and the uncertainty principle. <i>Journal of Modern Optics</i> , 2002, 49, 2275-2287.	1.3	10
52	Spatial interference between pairs of disjoint optical paths with a single chaotic source. <i>Optics Express</i> , 2017, 25, 6589.	3.4	10
53	Two-photon interference from separate pulses. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998, 244, 507-511.	2.1	9
54	Experimental controlled-NOT gate simulation with thermal light. <i>Scientific Reports</i> , 2016, 6, 30152.	3.3	9

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55	Comment on "Dispersion-Independent High-Visibility Quantum Interference in Ultrafast Parametric Down-Conversion". Physical Review Letters, 2001, 86, 4710-4710.	7.8	7
56	Transverse correlations in multiphoton entanglement. Physical Review A, 2007, 76, .	2.5	7
57	Popper's experiment with randomly paired photons in thermal state. Europhysics Letters, 2015, 109, 14003.	2.0	7
58	From optical to X-ray ghost imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 935, 173-177.	1.6	6
59	Noninvasive high resolving power entangled photon quantum microscope. Journal of Biomedical Optics, 2015, 20, 016008.	2.6	5
60	Quantum imaging of an obscured object by measurement of reflected photons. Proceedings of SPIE, 2008, , .	0.8	4
61	Quantum ghost imaging. Proceedings of SPIE, 2010, , .	0.8	4
62	Bell correlation of thermal fields in photon-number fluctuations. Europhysics Letters, 2015, 112, 60006.	2.0	4
63	Initial assessment of multilayer silicon detectors for hard X-ray imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 942, 162414.	1.6	4
64	Near-infrared response of photorefractive crystals (K <sub>0.5</sub> Na <sub>0.5</sub> ) <sub>0.2</sub> (Sr <sub>0.75</sub> Ba <sub>0.25</sub> ) <sub>0.9</sub> Nb <sub>2</sub> O <sub>6</sub> :Cu and LiNbO <sub>3</sub> :Fe. Journal of Applied Physics, 1996, 79, 72-76.	2.5	3
65	Turbulence-free two-photon double-slit interference with coherent and incoherent light. Optics Express, 2019, 27, 33282.	3.4	3
66	Two-photon X-ray ghost microscope. Optics Express, 2020, 28, 32249.	3.4	3
67	The physics of $2 \times 1 + 1$ . Frontiers of Physics in China, 2007, 2, 125-152.	1.0	2
68	Quantum Imaging. , 2007, , .		2
69	FACTORIZATION OF INTEGERS WITH MULTI-PATH OPTICAL INTERFERENCE. International Journal of Quantum Information, 2011, 09, 423-430.	1.1	1
70	Non-invasive high resolving power quantum microscope. , 2013, , .		1
71	Quantum Interference by Two Temporally Distinguishable Pulses. Fortschritte Der Physik, 2000, 48, 505-510.	4.4	0
72	Quantum teleportation with a complete Bell state measurement. , 0, , .		0

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73	Bell state preparation using pulsed non-degenerate two-photon entanglement. , 0, , .		0
74	Quantum Teleportation with Complete Set Bell State Measurement. , 2002, , .		0
75	Quantum imaging versus its classical simulation. , 2003, , .		0
76	Beyond the heisenberg uncertainty. Journal of Modern Optics, 2004, 51, 2369-2385.	1.3	0
77	Two-photon coherent and incoherent imaging. , 2005, , JTuC56.		0
78	TWO-PHOTON CORRELATION OF CHAOTIC LIGHT: A QUANTUM INTERFERENCE PHENOMENON. International Journal of Quantum Information, 2007, 05, 131-141.	1.1	0
79	The generation and temporal correlation measurement of triphoton. , 2007, , .		0
80	Quantum Imaging. , 2007, , .		0
81	Virtual ghost imaging with Bessel beam illumination. Proceedings of SPIE, 2012, , .	0.8	0
82	Towards Non-Degenerate Quantum Lithography. Applied Sciences (Switzerland), 2018, 8, 1292.	2.5	0
83	Popper's Experiment. , 2021, , 37-51.		0
84	Entangled-photon interferometry for plasmas. Physics of Plasmas, 2021, 28, 060703.	1.9	0
85	Quantum Imaging and Lithography. , 2007, , .		0
86	The Physics of 2 + 1. The Western Ontario Series in Philosophy of Science, 2009, , 157-208.	0.2	0
87	Quantum sensor using two-color ghost imaging technology. , 2010, , .		0
88	Turbulence-free interference induced by the turbulence itself. APL Photonics, 2020, 5, 121302.	5.7	0
89	Non-Invasive Imaging of Object Behind Scattering Media via Cross-Spectrum. IEEE Photonics Journal, 2022, 14, 1-5.	2.0	0