

# Sheng-Mei Zhao

## List of Publications by Year in descending order

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63  
papers

1,140  
citations

430874

18  
h-index

434195

31  
g-index

64  
all docs

64  
docs citations

64  
times ranked

589  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prefixed-Threshold Real-Time Selection for Free-Space Sending-or-Not Twin-Field Quantum Key Distribution. <i>Entropy</i> , 2022, 24, 344.	2.2	2
2	Quantum locality preserving projection algorithm. <i>Quantum Information Processing</i> , 2022, 21, 1.	2.2	3
3	Prefixed-threshold real-time selection for free-space phase-matching quantum key distribution. <i>Europhysics Letters</i> , 2022, 138, 28001.	2.0	2
4	Extended single-photon entanglement-based phase-matching quantum key distribution. <i>Quantum Information Processing</i> , 2022, 21, 1.	2.2	4
5	Phase-matching quantum key distribution with light source monitoring. <i>Chinese Physics B</i> , 2022, 31, 050310.	1.4	2
6	Sending-or-Not-Sending Twin-Field Quantum Key Distribution with a Passive Decoy-State Method. <i>Entropy</i> , 2022, 24, 662.	2.2	0
7	Diffraction deep neural network based adaptive optics scheme for vortex beam in oceanic turbulence. <i>Optics Express</i> , 2022, 30, 23305.	3.4	16
8	Real-time measurement of dynamic micro-displacement and direction using light's orbital angular momentum. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	12
9	Super resolution ghost imaging based on Fourier spectrum acquisition. <i>Optics and Lasers in Engineering</i> , 2021, 139, 106473.	3.8	16
10	Decoy-state phase-matching quantum key distribution with source errors. <i>Optics Express</i> , 2021, 29, 2227.	3.4	10
11	Research on Hypergeometric-Gaussian Vortex Beam Propagating under Oceanic Turbulence by Theoretical Derivation and Numerical Simulation. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 442.	2.6	13
12	Wave-particle duality in single-photon entanglement. <i>Journal of Physics Communications</i> , 2021, 5, 055002.	1.2	2
13	Full color single pixel imaging by using multiple input single output technology. <i>Optics Express</i> , 2021, 29, 24486.	3.4	20
14	Orbital angular momentum uncertainty relations of entangled two-photon states. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	1
15	Propagation characteristics of autofocusing Airy beam with power exponential phase vortex in weak anisotropic oceanic turbulence. <i>Journal of Modern Optics</i> , 2021, 68, 1059-1065.	1.3	10
16	Experimental analysis of adaptive optics correction methods on the beam carrying orbital angular momentum mode through oceanic turbulence. <i>Optik</i> , 2021, 240, 166990.	2.9	18
17	Plug-and-play sending-or-not-sending twin-field quantum key distribution. <i>Quantum Information Processing</i> , 2021, 20, 1.	2.2	8
18	Phase-matching quantum key distribution based on pulse-position modulation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 418, 127702.	2.1	4

#	ARTICLE	IF	CITATIONS
19	Spread spectrum ghost imaging. <i>Optics Express</i> , 2021, 29, 41485.	3.4	7
20	Free-Space Phase-Matching Quantum Key Distribution. , 2021, , .		1
21	Compressed ghost imaging based on differential speckle patterns*. <i>Chinese Physics B</i> , 2020, 29, 024204.	1.4	19
22	Decoy-state round-robin differential-phase-shift quantum key distribution with source errors. <i>Quantum Information Processing</i> , 2020, 19, 1.	2.2	6
23	The multiplier based on quantum Fourier transform. <i>CCF Transactions on High Performance Computing</i> , 2020, 2, 221-227.	1.7	1
24	Multiple-pulse phase-matching quantum key distribution. <i>Quantum Information Processing</i> , 2020, 19, 1.	2.2	6
25	Secure optical encryption based on ghost imaging with fractional Fourier transform. <i>Optics Communications</i> , 2020, 474, 126086.	2.1	17
26	Multiple-Input Single-Output Ghost Imaging. <i>IEEE Photonics Journal</i> , 2020, 12, 1-13.	2.0	5
27	Experimental demonstration of influence of underwater turbulence on ghost imaging*. <i>Chinese Physics B</i> , 2019, 28, 094201.	1.4	22
28	Phase Matching Quantum Key Distribution based on Single-Photon Entanglement. <i>Scientific Reports</i> , 2019, 9, 15466.	3.3	12
29	An Effective Way for Simulating Oceanic Turbulence Channel on the Beam Carrying Orbital Angular Momentum. <i>Scientific Reports</i> , 2019, 9, 14009.	3.3	29
30	A quantum secret sharing scheme without monitoring signal disturbance. <i>Optik</i> , 2019, 181, 810-815.	2.9	2
31	Generation of two-photon orbital-angular-momentum entanglement with a high degree of entanglement. <i>Applied Physics Letters</i> , 2019, 114, 041105.	3.3	5
32	Efficient quantum key distribution based on hybrid degrees of freedom. <i>Laser Physics</i> , 2019, 29, 085201.	1.2	3
33	Propagation and self-healing properties of Bessel-Gaussian beam carrying orbital angular momentum in an underwater environment. <i>Scientific Reports</i> , 2019, 9, 2025.	3.3	35
34	Two-dimensional multiplexing scheme both with ring radius and topological charge of perfect optical vortex beam. <i>Journal of Modern Optics</i> , 2019, 66, 87-92.	1.3	17
35	Influence of oceanic turbulence on propagation of Airy vortex beam carrying orbital angular momentum. <i>Optik</i> , 2019, 176, 49-55.	2.9	35
36	Efficient edge detection based on ghost imaging. <i>OSA Continuum</i> , 2019, 2, 64.	1.8	17

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37	Propagation property of Laguerre-Gaussian beams carrying fractional orbital angular momentum in an underwater channel. <i>OSA Continuum</i> , 2019, 2, 3281.	1.8	12
38	Bell's inequality tests via correlated diffraction of high-dimensional position-entangled two-photon states. <i>Scientific Reports</i> , 2018, 8, 4812.	3.3	4
39	Edge detection based on subpixel-speckle-shifting ghost imaging. <i>Optics Communications</i> , 2018, 407, 181-185.	2.1	39
40	Multidimensional reconciliation protocol for continuous-variable quantum key agreement with polar coding. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	5.1	9
41	Edge detection based on single-pixel imaging. <i>Optics Express</i> , 2018, 26, 5501.	3.4	57
42	Manipulating orbital angular momentum entanglement by using the Heisenberg uncertainty principle. <i>Optics Express</i> , 2018, 26, 21725.	3.4	3
43	Round-robin differential-phase-shift quantum key distribution with heralded pair-coherent sources. <i>Quantum Information Processing</i> , 2017, 16, 1.	2.2	26
44	Turbulence mitigation scheme based on spatial diversity in orbital-angular-momentum multiplexed system. <i>Optics Communications</i> , 2017, 400, 123-127.	2.1	20
45	Plug-and-play round-robin differential phase-shift quantum key distribution. <i>Scientific Reports</i> , 2017, 7, 15435.	3.3	15
46	Fast reconstructed and high-quality ghost imaging with fast Walsh-Hadamard transform. <i>Photonics Research</i> , 2016, 4, 240.	7.0	178
47	Turbulence mitigation scheme based on multiple-user detection in an orbital-angular-momentum multiplexed system. <i>Chinese Physics B</i> , 2016, 25, 114215.	1.4	4
48	Turbulence mitigation with MIMO equalization for orbital angular momentum multiplexing communication. , 2016, , .		7
49	Both channel coding and wavefront correction on the turbulence mitigation of optical communications using orbital angular momentum multiplexing. <i>Optics Communications</i> , 2016, 376, 92-98.	2.1	40
50	Transition from particlelike to wavelike behavior for an electron in one-dimensional nonuniform lattice systems. <i>Physical Review A</i> , 2016, 94, .	2.5	6
51	Optical image hiding based on computational ghost imaging. <i>Optics Communications</i> , 2016, 366, 314-320.	2.1	47
52	Free-space measurement-device-independent quantum-key-distribution protocol using decoy states with orbital angular momentum. <i>Chinese Physics B</i> , 2015, 24, 120307.	1.4	29
53	High performance optical encryption based on computational ghost imaging with QR code and compressive sensing technique. <i>Optics Communications</i> , 2015, 353, 90-95.	2.1	110
54	Correspondence normalized ghost imaging on compressive sensing. <i>Chinese Physics B</i> , 2014, 23, 054203.	1.4	35

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55	The relations among Shannon information entropy, quantum discord, concurrence and localization properties of one-dimensional single-electron wave functions. <i>European Physical Journal B</i> , 2014, 87, 1.	1.5	3
56	The influence of atmospheric turbulence on holographic ghost imaging using orbital angular momentum entanglement: Simulation and experimental studies. <i>Optics Communications</i> , 2013, 294, 223-228.	2.1	32
57	A novel one-time password mutual authentication scheme on sharing renewed finite random sub-passwords. <i>Journal of Computer and System Sciences</i> , 2013, 79, 122-130.	1.2	22
58	Improving the Atmosphere Turbulence Tolerance in Holographic Ghost Imaging System by Channel Coding. <i>Journal of Lightwave Technology</i> , 2013, 31, 2823-2828.	4.6	24
59	Comparison of Shannon information entropies in position and momentum space for an electron in one-dimensional nonuniform systems. <i>Physical Review E</i> , 2012, 86, 061122.	2.1	14
60	NEW CLASS OF QUANTUM CODES CONSTRUCTED FROM CYCLIC DIFFERENCE SET. <i>International Journal of Quantum Information</i> , 2012, 10, 1250015.	1.1	5
61	Quantum discord and classical correlation signatures of mobility edges in one-dimensional aperiodic single-electron systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 3026-3032.	2.1	8
62	Ghost Imaging Using Orbital Angular Momentum. <i>Chinese Physics Letters</i> , 2011, 28, 124207.	3.3	7
63	Probabilistic clone-resend attack strategy in quantum key distribution. <i>Journal of Electronics</i> , 2005, 22, 85-89.	0.2	1