Sheng-Mei Zhao

List of Publications by Year
in descending order

| 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	Fast reconstructed and high-quality ghost imaging with fast Walsh–Hadamard transform. Photonics Research, 2016, 4, 240.	7.0	178
2	High performance optical encryption based on computational ghost imaging with QR code and compressive sensing technique. Optics Communications, 2015, 353, 90-95.	2.1	110
3	Edge detection based on single-pixel imaging. Optics Express, 2018, 26, 5501.	3.4	57
4	Optical image hiding based on computational ghost imaging. Optics Communications, 2016, 366, 314-320.	2.1	47
5	Both channel coding and wavefront correction on the turbulence mitigation of optical communications using orbital angular momentum multiplexing. Optics Communications, 2016, 376, 92-98.	2.1	40
6	Edge detection based on subpixel-speckle-shifting ghost imaging. Optics Communications, 2018, 407, 181-185.	2.1	39
7	Correspondence normalized ghost imaging on compressive sensing. Chinese Physics B, 2014, 23, 054203.	1.4	35
8	Propagation and self-healing properties of Bessel-Gaussian beam carrying orbital angular momentum in an underwater environment. Scientific Reports, 2019, 9, 2025.	3.3	35
9	Influence of oceanic turbulence on propagation of Airy vortex beam carrying orbital angular momentum. Optik, 2019, 176, 49-55.	2.9	35
10	The influence of atmospheric turbulence on holographic ghost imaging using orbital angular momentum entanglement: Simulation and experimental studies. Optics Communications, 2013, 294, 223-228.	2.1	32
11	Free-space measurement-device-independent quantum-key-distribution protocol using decoy states with orbital angular momentum. Chinese Physics B, 2015, 24, 120307.	1.4	29
12	An Effective Way for Simulating Oceanic Turbulence Channel on the Beam Carrying Orbital Angular Momentum. Scientific Reports, 2019, 9, 14009.	3.3	29
13	Round-robin differential-phase-shift quantum key distribution with heralded pair-coherent sources. Quantum Information Processing, 2017, 16, 1.	2.2	26
14	Improving the Atmosphere Turbulence Tolerance in Holographic Ghost Imaging System by Channel Coding. Journal of Lightwave Technology, 2013, 31, 2823-2828.	4.6	24
15	A novel one-time password mutual authentication scheme on sharing renewed finite random sub-passwords. Journal of Computer and System Sciences, 2013, 79, 122-130.	1.2	22
16	Experimental demonstration of influence of underwater turbulence on ghost imaging*. Chinese Physics B, 2019, 28, 094201.	1.4	22
17	Turbulence mitigation scheme based on spatial diversity in orbital-angular-momentum multiplexed system. Optics Communications, 2017, 400, 123-127.	2.1	20
18	Full color single pixel imaging by using multiple input single output technology. Optics Express, 2021, 29, 24486.	3.4	20

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19	Compressed ghost imaging based on differential speckle patterns*. Chinese Physics B, 2020, 29, 024204.	1.4	19
20	Experimental analysis of adaptive optics correction methods on the beam carrying orbital angular momentum mode through oceanic turbulence. Optik, 2021, 240, 166990.	2.9	18
21	Two-dimensional multiplexing scheme both with ring radius and topological charge of perfect optical vortex beam. Journal of Modern Optics, 2019, 66, 87-92.	1.3	17
22	Secure optical encryption based on ghost imaging with fractional Fourier transform. Optics Communications, 2020, 474, 126086.	2.1	17
23	Efficient edge detection based on ghost imaging. OSA Continuum, 2019, 2, 64.	1.8	17
24	Super resolution ghost imaging based on Fourier spectrum acquisition. Optics and Lasers in Engineering, 2021, 139, 106473.	3.8	16
25	Diffractive deep neural network based adaptive optics scheme for vortex beam in oceanic turbulence. Optics Express, 2022, 30, 23305.	3.4	16
26	Plug-and-play round-robin differential phase-shift quantum key distribution. Scientific Reports, 2017, 7, 15435.	3.3	15
27	Comparison of Shannon information entropies in position and momentum space for an electron in one-dimensional nonuniform systems. Physical Review E, 2012, 86, 061122.	2.1	14
28	Research on Hypergeometric-Gaussian Vortex Beam Propagating under Oceanic Turbulence by Theoretical Derivation and Numerical Simulation. Journal of Marine Science and Engineering, 2021, 9, 442.	2.6	13
29	Phase Matching Quantum Key Distribution based on Single-Photon Entanglement. Scientific Reports, 2019, 9, 15466.	3.3	12
30	Propagation property of Laguerre-Gaussian beams carrying fractional orbital angular momentum in an underwater channel. OSA Continuum, 2019, 2, 3281.	1.8	12
31	Real-time measurement of dynamic micro-displacement and direction using light's orbital angular momentum. Applied Physics Letters, 2022, 120, .	3.3	12
32	Decoy-state phase-matching quantum key distribution with source errors. Optics Express, 2021, 29, 2227.	3.4	10
33	Propagation characteristics of autofocusing Airy beam with power exponential phase vortex in weak anisotropic oceanic turbulence. Journal of Modern Optics, 2021, 68, 1059-1065.	1.3	10
34	Multidimensional reconciliation protocol for continuous-variable quantum key agreement with polar coding. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	9
35	Quantum discord and classical correlation signatures of mobility edges in one-dimensional aperiodic single-electron systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3026-3032.	2.1	8
36	Plug-and-play sending-or-not-sending twin-field quantum key distribution. Quantum Information Processing, 2021, 20, 1.	2.2	8

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37	Ghost Imaging Using Orbital Angular Momentum. Chinese Physics Letters, 2011, 28, 124207.	3.3	7
38	Turbulence mitigation with MIMO equalization for orbital angular momentum multiplexing communication. , 2016, , .		7
39	Spread spectrum ghost imaging. Optics Express, 2021, 29, 41485.	3.4	7
40	Transition from particlelike to wavelike behavior for an electron in one-dimensional nonuniform lattice systems. Physical Review A, 2016, 94, .	2.5	6
41	Decoy-state round-robin differential-phase-shift quantum key distribution with source errors. Quantum Information Processing, 2020, 19, 1.	2.2	6
42	Multiple-pulse phase-matching quantum key distribution. Quantum Information Processing, 2020, 19, 1.	2.2	6
43	NEW CLASS OF QUANTUM CODES CONSTRUCTED FROM CYCLIC DIFFERENCE SET. International Journal of Quantum Information, 2012, 10, 1250015.	1.1	5
44	Generation of two-photon orbital-angular-momentum entanglement with a high degree of entanglement. Applied Physics Letters, 2019, 114, 041105.	3.3	5
45	Multiple-Input Single-Output Ghost Imaging. IEEE Photonics Journal, 2020, 12, 1-13.	2.0	5
46	Turbulence mitigation scheme based on multiple-user detection in an orbital–angular-momentum multiplexed system. Chinese Physics B, 2016, 25, 114215.	1.4	4
47	Bell's inequality tests via correlated diffraction of high-dimensional position-entangled two-photon states. Scientific Reports, 2018, 8, 4812.	3.3	4
48	Phase-matching quantum key distribution based on pulse-position modulation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 418, 127702.	2.1	4
49	Extended single-photon entanglement-based phase-matching quantum key distribution. Quantum Information Processing, 2022, 21, 1.	2.2	4
50	The relations among Shannon information entropy, quantum discord, concurrence and localization properties of one-dimensional single-electron wave functions. European Physical Journal B, 2014, 87, 1.	1.5	3
51	Manipulating orbital angular momentum entanglement by using the Heisenberg uncertainty principle. Optics Express, 2018, 26, 21725.	3.4	3
52	Efficient quantum key distribution based on hybrid degrees of freedom. Laser Physics, 2019, 29, 085201.	1.2	3
53	Quantum locality preserving projection algorithm. Quantum Information Processing, 2022, 21, 1.	2.2	3
54	A quantum secret sharing scheme without monitoring signal disturbance. Optik, 2019, 181, 810-815.	2.9	2

#	ARTICLE	IF	CITATIONS
55	Wave-particle duality in single-photon entanglement. Journal of Physics Communications, 2021, 5, 055002.	1.2	2
56	Prefixed-Threshold Real-Time Selection for Free-Space Sending-or-Not Twin-Field Quantum Key Distribution. Entropy, 2022, 24, 344.	2.2	2
57	Prefixed-threshold real-time selection for free-space phase-matching quantum key distribution. Europhysics Letters, 2022, 138, 28001.	2.0	2
58	Phase-matching quantum key distribution with light source monitoring. Chinese Physics B, 2022, 31, 050310.	1.4	2
59	Probabilistic clone-resend attack strategy in quantum key distribution. Journal of Electronics, 2005, 22, 85-89.	0.2	1
60	The multiplier based on quantum Fourier transform. CCF Transactions on High Performance Computing, 2020, 2, 221-227.	1.7	1
61	Orbital angular momentum uncertainty relations of entangled two-photon states. European Physical Journal D, 2021, 75, 1.	1.3	1
62	Free-Space Phase-Matching Quantum Key Distribution. , 2021, , .		1
63	Sending-or-Not-Sending Twin-Field Quantum Key Distribution with a Passive Decoy-State Method. Entropy, 2022, 24, 662.	2.2	0