

Shuhui Li

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,656
citations

331670

21
h-index

552781

26
g-index

38
all docs

38
docs citations

38
times ranked

1231
citing authors

#	ARTICLE	IF	CITATIONS
1	Orbital angular momentum and beyond in free-space optical communications. <i>Nanophotonics</i> , 2022, 11, 645-680.	6.0	105
2	Compressively sampling the optical transmission matrix of a multimode fibre. <i>Light: Science and Applications</i> , 2021, 10, 88.	16.6	49
3	Memory effect assisted imaging through multimode optical fibres. <i>Nature Communications</i> , 2021, 12, 3751.	12.8	58
4	Computational optical imaging with a photonic lantern. <i>Nature Communications</i> , 2020, 11, 5217.	12.8	23
5	High-Performance Silicon $2\mu\text{m}$ Thermo-Optic Switch for the $2\text{-}\mu\text{m}$ Wavelength Band. <i>IEEE Photonics Journal</i> , 2019, 11, 1-6.	2.0	11
6	Generation of optical vortices using asymmetrically spliced fibers. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 012102.	2.2	2
7	OAM mode multiplexing in weakly guiding ring-core fiber with simplified MIMO-DSP. <i>Optics Express</i> , 2019, 27, 38049.	3.4	33
8	Amplification of 18 OAM modes in a ring-core erbium-doped fiber with low differential modal gain. <i>Optics Express</i> , 2019, 27, 38087.	3.4	28
9	Atmospheric turbulence compensation in orbital angular momentum communications: Advances and perspectives. <i>Optics Communications</i> , 2018, 408, 68-81.	2.1	77
10	Generation of Orbital Angular Momentum Beam Using Fiber-to-Fiber Butt Coupling. <i>IEEE Photonics Journal</i> , 2018, 10, 1-7.	2.0	11
11	Feedback-enabled adaptive underwater twisted light transmission link utilizing the reflection at the air-water interface. <i>Optics Express</i> , 2018, 26, 16102.	3.4	23
12	Experimental demonstration of broadband generation of optical vortices using asymmetrically spliced fibers. , 2018, , .		1
13	Design of Logarithmic-Index Fiber for Orbital Angular Momentum (OAM) Transmission. , 2018, , .		0
14	Adaptive free-space optical communications through turbulence using self-healing Bessel beams. <i>Scientific Reports</i> , 2017, 7, 43233.	3.3	102
15	Demonstration of data-carrying orbital angular momentum-based underwater wireless optical multicasting link. <i>Optics Express</i> , 2017, 25, 28743.	3.4	55
16	Experimental demonstration of optical interconnects exploiting orbital angular momentum array. <i>Optics Express</i> , 2017, 25, 21537.	3.4	45
17	Design and Fabrication of $2\mu\text{m}$ Metasurface-based Orbital Angular Momentum (OAM) Mode Generator Employing Reflective Optical Antenna Array. , 2017, , .		0
18	Demonstration of 20-Gbit/s high-speed Bessel beam encoding/decoding link with adaptive turbulence compensation. <i>Optics Letters</i> , 2016, 41, 4680.	3.3	66

#	ARTICLE	IF	CITATIONS
19	Full-duplex bidirectional data transmission link using twisted lights multiplexing over 1.1-km orbital angular momentum fiber. Scientific Reports, 2016, 6, 38181.	3.3	35
20	Compensation of a distorted N-fold orbital angular momentum multicasting link using adaptive optics. Optics Letters, 2016, 41, 1482.	3.3	64
21	All-fiber pre- and post-data exchange in km-scale fiber-based twisted lights multiplexing. Optics Letters, 2016, 41, 3896.	3.3	26
22	Multicasting of signal-carrying Gaussian mode to multiple orbital angular momentum (OAM) modes. Proceedings of SPIE, 2016, , .	0.8	0
23	Design and Fabrication of Metasurface on Conventional Optical Fiber Facet for Linearly Polarized Mode (LP11) Generation at Visible Light Wavelength. , 2016, , .		2
24	Experimental Demonstration of Chip-Scale Orbital Angular Momentum (OAM) Beams Generation and Detection Using Nanophotonic Dielectric Metasurface Array. , 2016, , .		2
25	Simultaneous demultiplexing and steering of multiple orbital angular momentum modes. Scientific Reports, 2015, 5, 15406.	3.3	48
26	Adaptive power-controllable orbital angular momentum (OAM) multicasting. Scientific Reports, 2015, 5, 9677.	3.3	38
27	Performance evaluation of analog signal transmission in an orbital angular momentum multiplexing system. Optics Letters, 2015, 40, 760.	3.3	20
28	Supermode fiber for orbital angular momentum (OAM) transmission. Optics Express, 2015, 23, 18736.	3.4	70
29	Controllable all-fiber orbital angular momentum mode converter. Optics Letters, 2015, 40, 4376.	3.3	206
30	Design of Supermode Fiber for Orbital Angular Momentum (OAM) Multiplexing. , 2015, , .		0
31	Multiple orbital angular momentum (OAM) modes (De) multiplexer based on single complex phase mask. , 2014, , .		5
32	Ultra-High 230-bit/s/Hz Spectral Efficiency using OFDM/OQAM 64-QAM Signals over Pol-Muxed 22 Orbital Angular Momentum (OAM) Modes. , 2014, , .		18
33	N-dimensional multiplexing link with 1.036-Pbit/s transmission capacity and 112.6-bit/s/Hz spectral efficiency using OFDM-8QAM signals over 368 WDM pol-muxed 26 OAM modes. , 2014, , .		53
34	A Compact Trench-Assisted Multi-Orbital-Angular-Momentum Multi-Ring Fiber for Ultrahigh-Density Space-Division Multiplexing (19 Rings Å– 22 Modes). Scientific Reports, 2014, 4, 3853.	3.3	110
35	A multi-ring multi-OAM-mode fiber for high-density space-division multiplexing (7 rings × 22) Tj ETQq1 1 0.784314 rgBT /Ove		
36	Multi-Orbital-Angular-Momentum Multi-Ring Fiber for High-Density Space-Division Multiplexing. IEEE Photonics Journal, 2013, 5, 7101007-7101007.	2.0	89

#	ARTICLE	IF	CITATIONS
37	Metamaterials-based broadband generation of orbital angular momentum carrying vector beams. Optics Letters, 2013, 38, 932.	3.3	175
38	Demonstration of Simultaneous 1-to-34 Multicasting of OFDM/OQAM 64-QAM Signal from Single Gaussian Mode to Multiple Orbital Angular Momentum (OAM) Modes. , 2013, , .		4