Shuhui Li

List of Publications by Year
in descending order

38	1,656	331670 21	552781 26
papers	citations	h-index	g-index

38	38	38	1231
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controllable all-fiber orbital angular momentum mode converter. Optics Letters, 2015, 40, 4376.	3.3	206
2	Metamaterials-based broadband generation of orbital angular momentum carrying vector beams. Optics Letters, 2013, 38, 932.	3.3	175
3	A Compact Trench-Assisted Multi-Orbital-Angular-Momentum Multi-Ring Fiber for Ultrahigh-Density Space-Division Multiplexing (19 Rings Ã— 22 Modes). Scientific Reports, 2014, 4, 3853.	3.3	110
4	Orbital angular momentum and beyond in free-space optical communications. Nanophotonics, 2022, 11, 645-680.	6.0	105
5	Adaptive free-space optical communications through turbulence using self-healing Bessel beams. Scientific Reports, 2017, 7, 43233.	3.3	102
6	Multi-Orbital-Angular-Momentum Multi-Ring Fiber for High-Density Space-Division Multiplexing. IEEE Photonics Journal, 2013, 5, 7101007-7101007.	2.0	89
7	Atmospheric turbulence compensation in orbital angular momentum communications: Advances and perspectives. Optics Communications, 2018, 408, 68-81.	2.1	77
8	Supermode fiber for orbital angular momentum (OAM) transmission. Optics Express, 2015, 23, 18736.	3.4	70
9	Demonstration of 20-Gbit/s high-speed Bessel beam encoding/decoding link with adaptive turbulence compensation. Optics Letters, 2016, 41, 4680.	3.3	66
10	Compensation of a distorted N-fold orbital angular momentum multicasting link using adaptive optics. Optics Letters, 2016, 41, 1482.	3.3	64
11	Memory effect assisted imaging through multimode optical fibres. Nature Communications, 2021, 12, 3751.	12.8	58
12	Demonstration of data-carrying orbital angular momentum-based underwater wireless optical multicasting link. Optics Express, 2017, 25, 28743.	3.4	55
13	N-dimentional 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
14	Compressively sampling the optical transmission matrix of a multimode fibre. Light: Science and Applications, 2021, 10, 88.	16.6	49
15	Simultaneous demultiplexing and steering of multiple orbital angular momentum modes. Scientific Reports, 2015, 5, 15406.	3.3	48
16	Experimental demonstration of optical interconnects exploiting orbital angular momentum array. Optics Express, 2017, 25, 21537.	3.4	45
17	Adaptive power-controllable orbital angular momentum (OAM) multicasting. Scientific Reports, 2015, 5, 9677.	3.3	38
18	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

#	Article	IF	Citations
19	OAM mode multiplexing in weakly guiding ring-core fiber with simplified MIMO-DSP. Optics Express, 2019, 27, 38049.	3.4	33
20	Amplification of 18 OAM modes in a ring-core erbium-doped fiber with low differential modal gain. Optics Express, 2019, 27, 38087.	3.4	28
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	Feedback-enabled adaptive underwater twisted light transmission link utilizing the reflection at the air-water interface. Optics Express, 2018, 26, 16102.	3.4	23
23	Computational optical imaging with a photonic lantern. Nature Communications, 2020, 11, 5217.	12.8	23
24	Performance evaluation of analog signal transmission in an orbital angular momentum multiplexing system. Optics Letters, 2015, 40, 760.	3.3	20
25	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
26	Generation of Orbital Angular Momentum Beam Using Fiber-to-Fiber Butt Coupling. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	11
27	High-Performance Silicon 2ÂÃ—Â2 Thermo-Optic Switch for the 2-mum Wavelength Band. IEEE Photonics Journal, 2019, 11, 1-6.	2.0	11
28	Multiple orbital angular momentum (OAM) modes (De) multiplexer based on single complex phase mask. , 2014, , .		5
29	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
30	A multi-ring multi-OAM-mode fiber for high-density space-division multiplexing (7 rings × 22) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		2
31	Generation of optical vortices using asymmetrically spliced fibers. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	2
32	Design and Fabrication of Metasurface on Conventional Optical Fiber Facet for Linearly Polarized Mode (LP11) Generation at Visible Light Wavelength. , 2016, , .		2
33	Experimental Demonstration of Chip-Scale Orbital Angular Momentum (OAM) Beams Generation and Detection Using Nanophotonic Dielectric Metasurface Array. , 2016, , .		2
34	Experimental demonstration of broadband generation of optical vortices using asymmetrically spliced fibers. , 2018, , .		1
35	Design of Supermode Fiber for Orbital Angular Momentum (OAM) Multiplexing. , 2015, , .		0
36	Multicasting of signal-carrying Gaussian mode to multiple orbital angular momentum (OAM) modes. Proceedings of SPIE, 2016, , .	0.8	0

#	Article	IF	Citations
37	Design and Fabrication of 2 ?? Metasurface-based Orbital Angular Momentum (OAM) Mode Generator Employing Reflective Optical Antenna Array. , 2017, , .		0
38	Design of Logarithmic-Index Fiber for Orbital Angular Momentum (OAM) Transmission. , 2018, , .		0