

Shecheng Gao

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

329
citations

759233

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all docs

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19
times ranked

432
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Temperature Sensor Based on Fabry-Perot Interferometer in Microfiber Tip. <i>Sensors</i> , 2018, 18, 202.	3.8	53
2	Single-Layer Aberration-Compensated Flat Lens for Robust Wide-Angle Imaging. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000017.	8.7	33
3	Adaptive moment estimation for polynomial nonlinear equalizer in PAM8-based optical interconnects. <i>Optics Express</i> , 2019, 27, 32210.	3.4	32
4	Ultrasensitive Mach-Zehnder Interferometric Temperature Sensor Based on Liquid-Filled D-Shaped Fiber Cavity. <i>Sensors</i> , 2018, 18, 1239.	3.8	26
5	In-Fiber Mach-Zehnder Interferometer Exploiting a Micro-Cavity For Strain and Temperature Simultaneous Measurement. <i>IEEE Sensors Journal</i> , 2019, 19, 5632-5638.	4.7	25
6	The Orbital Angular Momentum Spreading for Cylindrical Vector Beams in Turbulent Atmosphere. <i>IEEE Photonics Journal</i> , 2017, 9, 1-10.	2.0	21
7	Burst-Error-Propagation Suppression for Decision-Feedback Equalizer in Field-Trial Submarine Fiber-Optic Communications. <i>Journal of Lightwave Technology</i> , 2021, 39, 4601-4606.	4.6	21
8	Bend-Insensitive Grapefruit-Type Holey Ring-Core Fiber for Weakly-Coupled OAM Mode Division Multiplexing Transmission. <i>Journal of Lightwave Technology</i> , 2020, 38, 4497-4503.	4.6	18
9	Reconfigurable and ultra-sensitive in-line Mach-Zehnder interferometer based on the fusion of microfiber and microfluid. <i>Applied Physics Letters</i> , 2015, 106, 084103.	3.3	17
10	Bidirectional Bend Sensor Employing a Microfiber-Assisted U-Shaped Fabry-Perot Cavity. <i>IEEE Photonics Journal</i> , 2017, 9, 1-8.	2.0	17
11	Processing for dispersive intensity-modulation and direct-detection fiber-optic communications. <i>Optics Letters</i> , 2021, 46, 138.	3.3	16
12	Superposing Multiple LP Modes With Microphase Difference Distributed Along Fiber to Generate OAM Mode. <i>IEEE Photonics Journal</i> , 2017, 9, 1-9.	2.0	15
13	Transmission and Generation of Orbital ANGULAR Momentum Modes in Optical Fibers. <i>Photonics</i> , 2021, 8, 246.	2.0	8
14	Ultrafast polarization bio-imaging based on coherent detection and time-stretch techniques. <i>Biomedical Optics Express</i> , 2018, 9, 6556.	2.9	8
15	Fast-Switchable OAM-Based High Capacity Density Optical Router. <i>IEEE Photonics Journal</i> , 2017, 9, 1-9.	2.0	7
16	On-Chip Waveguide Amplifiers for Multi-Band Optical Communications: A Review and Challenge. <i>Journal of Lightwave Technology</i> , 2022, 40, 3364-3373.	4.6	7
17	Hybrid Angular Gradient Phase Grating for Measuring the Orbital Angular Momentum of Perfect Optical Vortex Beams. <i>IEEE Photonics Journal</i> , 2020, 12, 1-9.	2.0	5
18	High-Efficiency Orbital Angular Momentum Beams Multiplexing System With Compact Shaper and Transformation Optics. <i>Journal of Lightwave Technology</i> , 2022, 40, 4548-4554.	4.6	0

#	ARTICLE	IF	CITATIONS
19	Amplification of high-order azimuthal mode based on a ring-core Yb-doped fiber. Optoelectronics Letters, 2022, 18, 0222-0226.	0.8	0