

Haoshuo Chen

List of Publications by Year in descending order

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papers

907
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840776

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552781

26
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all docs

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46
times ranked

675
citing authors

#	ARTICLE	IF	CITATIONS
1	Laguerre-Gaussian mode sorter. Nature Communications, 2019, 10, 1865.	12.8	316
2	High-Spectral-Efficiency Mode-Multiplexed Transmission Over Graded-Index Multimode Fiber. , 2018, , .		59
3	Coupled-Core Transmission over 7-Core Fiber. , 2019, , .		58
4	Dual Polarization Full-Field Signal Waveform Reconstruction Using Intensity Only Measurements for Coherent Communications. Journal of Lightwave Technology, 2020, 38, 2587-2597.	4.6	52
5	Perspective on mode-division multiplexing. Applied Physics Letters, 2021, 118, .	3.3	39
6	Design of High Order Mode-Multiplexers using Multiplane Light Conversion. , 2017, , .		29
7	Phase retrieval with fast convergence employing parallel alternative projections and phase reset for coherent communications. Optics Letters, 2020, 45, 1188.	3.3	27
8	Stokes-Space Analysis of Modal Dispersion of SDM Fibers With Mode-Dependent Loss: Theory and Experiments. Journal of Lightwave Technology, 2020, 38, 1668-1677.	4.6	24
9	172 Tb/s C+L Band Transmission over 2040 km Strongly Coupled 3-Core Fiber. , 2020, , .		22
10	High Capacity Transmission in a Coupled-Core Three-Core Multi-Core Fiber. Journal of Lightwave Technology, 2021, 39, 757-762.	4.6	21
11	103 nm Ultra-Wideband Hybrid Raman/SOA Transmission Over 3 Å— 100 km SSMF. Journal of Lightwave Technology, 2020, 38, 504-508.	4.6	20
12	Broadband and low-loss mode scramblers using CO ₂ -laser inscribed long-period gratings. Optics Letters, 2018, 43, 2868.	3.3	19
13	A Comparative Study of Few-Mode Fiber and Coupled-Core Multi-Core Fiber Transmission. Journal of Lightwave Technology, 2022, 40, 1590-1596.	4.6	18
14	Randomly-Coupled Multi-Core Fiber Technology. Proceedings of the IEEE, 2022, 110, 1786-1803.	21.3	18
15	36-THz Bandwidth Wavelength Selective Switch. , 2021, , .		15
16	Turbulence-Resistant FSO Communication Using a Few-Mode Pre-Amplified Receiver. Scientific Reports, 2019, 9, 16247.	3.3	12
17	An Ultra-Broadband Polarization-Insensitive Optical Hybrid Using Multiplane Light Conversion. Journal of Lightwave Technology, 2020, 38, 6286-6291.	4.6	12
18	Carrier-less phase retrieval receiver leveraging digital upsampling. Optics Letters, 2020, 45, 6070.	3.3	12

#	ARTICLE	IF	CITATIONS
19	Modeling and Characterization of Cladding-Pumped Erbium-Ytterbium Co-Doped Fibers for Amplification in Communication Systems. <i>Journal of Lightwave Technology</i> , 2020, 38, 1936-1944.	4.6	11
20	Mode- and wavelength-multiplexed transmission with crosstalk mitigation using a single amplified spontaneous emission source. <i>Photonics Research</i> , 2019, 7, 1363.	7.0	11
21	Characterization of Long Multi-Mode Fiber Links using Digital Holography. , 2019, , .		11
22	Transmission over Randomly-Coupled 4-Core Fiber in Field-Deployed Multi-Core Fiber Cable. , 2020, , .		10
23	Remote Spatio-Temporal Focusing Over Multimode Fiber Enabled by Single-Ended Channel Estimation. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 26, 1-9.	2.9	9
24	Free-Space Optics Communications Employing Elliptical-Aperture Multimode Diversity Reception Under Anisotropic Turbulence. <i>Journal of Lightwave Technology</i> , 2022, 40, 1502-1508.	4.6	9
25	Temporal and spectral coding over amplified spontaneous emission for secure optical coherent communications. <i>Optics Letters</i> , 2020, 45, 1039.	3.3	7
26	Optical Broadcasting Employing Incoherent And Low-Coherence Spatial Modes for Bi-Directional Optical Wireless Communications. <i>Journal of Lightwave Technology</i> , 2020, , 1-1.	4.6	7
27	High Capacity and Long-Haul Transmission with Space-Division Multiplexing. , 2021, , .		7
28	On-Chip Mode-Division Multiplexing Transmission With Modal Crosstalk Mitigation Employing Low-Coherence Matched Detection. <i>Journal of Lightwave Technology</i> , 2021, 39, 2008-2014.	4.6	6
29	Demonstration of terabit coherent on-chip optical interconnects employing mode-division multiplexing. <i>Optics Letters</i> , 2021, 46, 2292.	3.3	6
30	MIMO Processing With Linear Beat Interference Cancellation for Space Division Multiplexing Self-Homodyne Coherent Transmission. <i>Journal of Lightwave Technology</i> , 2022, 40, 4136-4149.	4.6	6
31	Programmable Vector Mode Multiplexer. , 2017, , .		5
32	Low-loss Low-MDL Core Multiplexer for 3-Core Coupled-core Multi-core Fiber. , 2020, , .		5
33	Experimental characterization of group and phase delays induced by bending and twisting in multi-core fibers. <i>Optics Letters</i> , 2021, 46, 2674.	3.3	4
34	Co-Packaged Optics With Multimode Fiber Interface Employing 2-D VCSEL Matrix. <i>Journal of Lightwave Technology</i> , 2022, 40, 3325-3330.	4.6	4
35	Optical Arbitrary Waveform Generator Based on Time-Domain Multiplane Light Conversion. , 2019, , .		3
36	A Scheme of Yielding Tunable Millimeter-Wave Based on Stimulated Brillouin Scattering. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
37	New progress of mm-wave radio-over-fiber system based on OFM. Frontiers of Optoelectronics in China, 2009, 2, 368-378.	0.2	2
38	Multiport swept-wavelength interferometer with laser phase noise mitigation employing a broadband ultra-weak FBC array. Optics Letters, 2020, 45, 5913.	3.3	2
39	Optical Crosstalk Reduction using Amplified Spontaneous Emission (ASE). , 2018, , .		2
40	Virtually Imaged Phase Array (VIPA)-Based Wavelength Selective Switch with High Spectral Resolution. , 2020, , .		2
41	Optical Broadcasting and Steering by Demultiplexing Incoherent Spatial Modes. , 2020, , .		1
42	Laguerre-Gaussian mode sorters of high spatial mode count. , 2020, , .		1
43	Ultrabroadband Polarization Insensitive Hybrid using Multiplane Light Conversion. , 2020, , .		1
44	Experiment demonstration of a bi-directional millimeter-wave over fiber system based on OFM and SBS amplification. , 2009, , .		0
45	Phase Retrieval Receivers Based on Alternative Projections for Coherent Optical Communications. , 2021, , .		0
46	Experimental Characterization of Colorless Phase Retrieval Under Ultrafast Wavelength Drift for Upstream PON Transmission. , 2022, , .		0