

# Haoshuo Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5572376/publications.pdf>

Version: 2024-02-01

46  
papers

907  
citations

840776

11  
h-index

552781

26  
g-index

46  
all docs

46  
docs citations

46  
times ranked

675  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Free-Space Optics Communications Employing Elliptical-Aperture Multimode Diversity Reception Under Anisotropic Turbulence. Journal of Lightwave Technology, 2022, 40, 1502-1508.	4.6	9
3	Co-Packaged Optics With Multimode Fiber Interface Employing 2-D VCSEL Matrix. Journal of Lightwave Technology, 2022, 40, 3325-3330.	4.6	4
4	MIMO Processing With Linear Beat Interference Cancellation for Space Division Multiplexing Self-Homodyne Coherent Transmission. Journal of Lightwave Technology, 2022, 40, 4136-4149.	4.6	6
5	Experimental Characterization of Colorless Phase Retrieval Under Ultrafast Wavelength Drift for Upstream PON Transmission. , 2022, , .		0
6	Randomly-Coupled Multi-Core Fiber Technology. Proceedings of the IEEE, 2022, 110, 1786-1803.	21.3	18
7	High Capacity Transmission in a Coupled-Core Three-Core Multi-Core Fiber. Journal of Lightwave Technology, 2021, 39, 757-762.	4.6	21
8	On-Chip Mode-Division Multiplexing Transmission With Modal Crosstalk Mitigation Employing Low-Coherence Matched Detection. Journal of Lightwave Technology, 2021, 39, 2008-2014.	4.6	6
9	Perspective on mode-division multiplexing. Applied Physics Letters, 2021, 118, .	3.3	39
10	Experimental characterization of group and phase delays induced by bending and twisting in multi-core fibers. Optics Letters, 2021, 46, 2674.	3.3	4
11	Demonstration of terabit coherent on-chip optical interconnects employing mode-division multiplexing. Optics Letters, 2021, 46, 2292.	3.3	6
12	High Capacity and Long-Haul Transmission with Space-Division Multiplexing. , 2021, , .		7
13	36-THz Bandwidth Wavelength Selective Switch. , 2021, , .		15
14	Phase Retrieval Receivers Based on Alternative Projections for Coherent Optical Communications. , 2021, , .		0
15	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
16	Modeling and Characterization of Cladding-Pumped Erbium-Ytterbium Co-Doped Fibers for Amplification in Communication Systems. Journal of Lightwave Technology, 2020, 38, 1936-1944.	4.6	11
17	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
18	An Ultra-Broadband Polarization-Insensitive Optical Hybrid Using Multiplane Light Conversion. Journal of Lightwave Technology, 2020, 38, 6286-6291.	4.6	12

#	ARTICLE	IF	CITATIONS
19	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
20	Remote Spatio-Temporal Focusing Over Multimode Fiber Enabled by Single-Ended Channel Estimation. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-9.	2.9	9
21	Temporal and spectral coding over amplified spontaneous emission for secure optical coherent communications. Optics Letters, 2020, 45, 1039.	3.3	7
22	Phase retrieval with fast convergence employing parallel alternative projections and phase reset for coherent communications. Optics Letters, 2020, 45, 1188.	3.3	27
23	Multipoint swept-wavelength interferometer with laser phase noise mitigation employing a broadband ultra-weak FBG array. Optics Letters, 2020, 45, 5913.	3.3	2
24	172 Tb/s C+L Band Transmission over 2040 km Strongly Coupled 3-Core Fiber. , 2020, , .		22
25	Transmission over Randomly-Coupled 4-Core Fiber in Field-Deployed Multi-Core Fiber Cable. , 2020, , .		10
26	Virtually Imaged Phase Array (VIPA)-Based Wavelength Selective Switch with High Spectral Resolution. , 2020, , .		2
27	Optical Broadcasting and Steering by Demultiplexing Incoherent Spatial Modes. , 2020, , .		1
28	Low-loss Low-MDL Core Multiplexer for 3-Core Coupled-core Multi-core Fiber. , 2020, , .		5
29	Optical Broadcasting Employing Incoherent And Low-Coherence Spatial Modes for Bi-Directional Optical Wireless Communications. Journal of Lightwave Technology, 2020, , 1-1.	4.6	7
30	Laguerre-Gaussian mode sorters of high spatial mode count. , 2020, , .		1
31	Ultrabroadband Polarization Insensitive Hybrid using Multiplane Light Conversion. , 2020, , .		1
32	Carrier-less phase retrieval receiver leveraging digital upsampling. Optics Letters, 2020, 45, 6070.	3.3	12
33	Laguerre-Gaussian mode sorter. Nature Communications, 2019, 10, 1865.	12.8	316
34	Turbulence-Resistant FSO Communication Using a Few-Mode Pre-Amplified Receiver. Scientific Reports, 2019, 9, 16247.	3.3	12
35	Coupled-Core Transmission over 7-Core Fiber. , 2019, , .		58
36	Mode- and wavelength-multiplexed transmission with crosstalk mitigation using a single amplified spontaneous emission source. Photonics Research, 2019, 7, 1363.	7.0	11

#	ARTICLE	IF	CITATIONS
37	Characterization of Long Multi-Mode Fiber Links using Digital Holography. , 2019, , .		11
38	Optical Arbitrary Waveform Generator Based on Time-Domain Multiplane Light Conversion. , 2019, , .		3
39	High-Spectral-Efficiency Mode-Multiplexed Transmission Over Graded-Index Multimode Fiber. , 2018, , .		59
40	Broadband and low-loss mode scramblers using CO <sub>2</sub> -laser inscribed long-period gratings. Optics Letters, 2018, 43, 2868.	3.3	19
41	Optical Crosstalk Reduction using Amplified Spontaneous Emission (ASE). , 2018, , .		2
42	Programmable Vector Mode Multiplexer. , 2017, , .		5
43	Design of High Order Mode-Multiplexers using Multiplane Light Conversion. , 2017, , .		29
44	Experiment demonstration of a bi-directional millimeter-wave over fiber system based on OFM and SBS amplification. , 2009, , .		0
45	New progress of mm-wave radio-over-fiber system based on OFM. Frontiers of Optoelectronics in China, 2009, 2, 368-378.	0.2	2
46	A Scheme of Yielding Tunable Millimeter-Wave Based on Stimulated Brillouin Scattering. , 2008, , .		2