

Peter J Winzer

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

3,716
citations

687363

13
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

2533
citing authors

#	ARTICLE	IF	CITATIONS
1	Capacity Limits of Optical Fiber Networks. Journal of Lightwave Technology, 2010, 28, 662-701.	4.6	2,030
2	Fiber-optic transmission and networking: the previous 20 and the next 20 years [Invited]. Optics Express, 2018, 26, 24190.	3.4	517
3	MIMO capacities and outage probabilities in spatially multiplexed optical transport systems. Optics Express, 2011, 19, 16680.	3.4	366
4	From Scaling Disparities to Integrated Parallelism: A Decathlon for a Decade. Journal of Lightwave Technology, 2017, 35, 1099-1115.	4.6	314
5	Stokes-space analysis of modal dispersion in fibers with multiple mode transmission. Optics Express, 2012, 20, 11718.	3.4	133
6	Cost-Optimized Submarine Cables Using Massive Spatial Parallelism. Journal of Lightwave Technology, 2018, 36, 3855-3865.	4.6	73
7	Trans-Atlantic Field Trial Using High Spectral Efficiency Probabilistically Shaped 64-QAM and Single-Carrier Real-Time 250-Gb/s 16-QAM. Journal of Lightwave Technology, 2018, 36, 103-113.	4.6	71
8	Probabilistically shaped PDM 4096-QAM transmission over up to 200 km of fiber using standard intradyne detection. Optics Express, 2018, 26, 4522.	3.4	68
9	A Universal Specification for Multicore Fiber Crosstalk. IEEE Photonics Technology Letters, 2019, 31, 673-676.	2.5	33
10	DCI Field Trial Demonstrating 1.3-Tb/s Single-Channel and 50.8-Tb/s WDM Transmission Capacity. Journal of Lightwave Technology, 2020, 38, 2710-2718.	4.6	19
11	Would Scaling to Extreme Ultraviolet or Soft X-Ray Communications Resolve the Capacity Crunch?. Journal of Lightwave Technology, 2018, 36, 5786-5793.	4.6	14
12	Quantum Limits on the Energy Consumption of Optical Transmission Systems. Journal of Lightwave Technology, 2014, 32, 1853-1860.	4.6	13
13	Supply-Power-Constrained Cable Capacity Maximization Using Multi-Layer Neural Networks. Journal of Lightwave Technology, 2020, 38, 3652-3662.	4.6	13
14	Transmission system capacity scaling through space-division multiplexing: a techno-economic perspective. , 2020, , 337-369.		10
15	Nonlinear propagation equations in fibers with multiple modesâ€”Transitions between representation bases. APL Photonics, 2019, 4, 022806.	5.7	9
16	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
17	Demonstration of 2.7-PPB Receiver Sensitivity Using PDM-QPSK with 4-PPM and Unrepeated Transmission over a Single 370-km Unamplified Ultra-Large-Area Fiber Span. , 2011, , .		9
18	Maximizing Fiber Cable Capacity Under A Supply Power Constraint Using Deep Neural Networks. , 2020, , .		7

#	ARTICLE	IF	CITATIONS
19	Capacity Scaling Through Spatial Parallelism: From Subsea Cables to Short-reach Optical Links. , 2021, ,		5
20	<title>Impulsive coding in optical free-space links: optimum choice of the receive filter and impact of a transmit booster amplifier</title>. , 1999, 3615, 104.		3