

# 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 Scaling Through Spatial Parallelism: From Subsea Cables to Short-reach Optical Links. , 2021, ,		5
2	Transmission system capacity scaling through space-division multiplexing: a techno-economic perspective. , 2020, , 337-369.		10
3	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
4	Supply-Power-Constrained Cable Capacity Maximization Using Multi-Layer Neural Networks. Journal of Lightwave Technology, 2020, 38, 3652-3662.	4.6	13
5	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
6	Maximizing Fiber Cable Capacity Under A Supply Power Constraint Using Deep Neural Networks. , 2020, ,		7
7	Nonlinear propagation equations in fibers with multiple modesâ€”Transitions between representation bases. APL Photonics, 2019, 4, 022806.	5.7	9
8	A Universal Specification for Multicore Fiber Crosstalk. IEEE Photonics Technology Letters, 2019, 31, 673-676.	2.5	33
9	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
10	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
11	Fiber-optic transmission and networking: the previous 20 and the next 20 years [Invited]. Optics Express, 2018, 26, 24190.	3.4	517
12	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
13	Cost-Optimized Submarine Cables Using Massive Spatial Parallelism. Journal of Lightwave Technology, 2018, 36, 3855-3865.	4.6	73
14	From Scaling Disparities to Integrated Parallelism: A Decathlon for a Decade. Journal of Lightwave Technology, 2017, 35, 1099-1115.	4.6	314
15	Quantum Limits on the Energy Consumption of Optical Transmission Systems. Journal of Lightwave Technology, 2014, 32, 1853-1860.	4.6	13
16	Stokes-space analysis of modal dispersion in fibers with multiple mode transmission. Optics Express, 2012, 20, 11718.	3.4	133
17	MIMO capacities and outage probabilities in spatially multiplexed optical transport systems. Optics Express, 2011, 19, 16680.	3.4	366
18	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

#	ARTICLE	IF	CITATIONS
19	Capacity Limits of Optical Fiber Networks. Journal of Lightwave Technology, 2010, 28, 662-701.	4.6	2,030
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