

Philip M Watts

List of Publications by Year in descending order

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13
papers

121
citations

1684188

5
h-index

1872680

6
g-index

13
all docs

13
docs citations

13
times ranked

137
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of optical OFDM signals using 214 GS/s real time digital signal processing. Optics Express, 2009, 17, 17658.	3.4	63
2	Low Latency Optical Switch for High Performance Computing With Minimized Processor Energy Load [Invited]. Journal of Optical Communications and Networking, 2015, 7, A498.	4.8	19
3	10.7 Gb/s transmission over 1200 km of standard single-mode fiber by electronic predistortion using FPGA-based real-time digital signal processing. Optics Express, 2008, 16, 12171.	3.4	13
4	Power Optimized Transceivers for Future Switched Networks. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2014, 22, 2081-2092.	3.1	11
5	Energy Implications of Photonic Networks With Speculative Transmission. Journal of Optical Communications and Networking, 2012, 4, 503.	4.8	8
6	Towards zero latency photonic switching in shared memory networks. Concurrency Computation Practice and Experience, 2014, 26, 2551-2566.	2.2	3
7	Coherence Based Message Prediction for Optically Interconnected Chip Multiprocessors. , 2015, , .		2
8	Real-time DSP-based optical OFDM transmission. , 2010, , .		1
9	Low power optical transceivers for switched interconnect networks. , 2013, , .		1
10	FPGA-based optical transmitters for electronic predistortion and advanced signal format generation. , 2009, , .		0
11	Predistortion and OFDM realizations. , 2011, , .		0
12	Design of a speculative network adapter for shared memory communications in 45 nm CMOS. , 2012, , .		0
13	Energy Efficient And Low Latency Interconnection Network For Multicast Invalidates In Shared Memory Systems. , 2016, , .		0