

Przemysław Krehlik

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

649
citations

840776

11
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

295
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissemination of time and RF frequency via a stabilized fibre optic link over a distance of 420 km. Metrologia, 2013, 50, 133-145.	1.2	163
2	Fiber-Optic Joint Time and Frequency Transfer With Active Stabilization of the Propagation Delay. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2844-2851.	4.7	85
3	Optical fibers in time and frequency transfer. Measurement Science and Technology, 2010, 21, 075302.	2.6	73
4	Active Propagation Delay Stabilization for Fiber-Optic Frequency Distribution Using Controlled Electronic Delay Lines. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1480-1488.	4.7	67
5	ELSTABâ€™Fiber-Optic Time and Frequency Distribution Technology: A General Characterization and Fundamental Limits. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 993-1004.	3.0	59
6	Ultrastable long-distance fibre-optic time transfer: active compensation over a wide range of delays. Metrologia, 2015, 52, 82-88.	1.2	47
7	Frequency Transfer in Electronically Stabilized Fiber Optic Link Exploiting Bidirectional Optical Amplifiers. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2573-2580.	4.7	44
8	A Hybrid Solution for Simultaneous Transfer of Ultrastable Optical Frequency, RF Frequency, and UTC Time-Tags Over Optical Fiber. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1884-1890.	3.0	23
9	Long Haul Time and Frequency Distribution in Different DWDM Systems. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1287-1293.	3.0	14
10	Picoseconds-Accurate Fiber-Optic Time Transfer With Relative Stabilization of Lasers Wavelengths. Journal of Lightwave Technology, 2020, 38, 5056-5063.	4.6	13
11	Fiber-Optic UTC(k) Timescale Distribution With Automated Link Delay Cancelation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 163-169.	3.0	12
12	Modeling and Optimization of Bidirectional Fiber-Optic Links for Time and Frequency Transfer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 632-642.	3.0	11
13	Fiber-Based UTC Dissemination Supporting 5G Telecommunications Networks. IEEE Communications Magazine, 2020, 58, 67-73.	6.1	11
14	Stability Limitations of Optical Frequency Transfer in Telecommunication DWDM Networks. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1066-1073.	3.0	9
15	Optical Multiplexing of Metrological Time and Frequency Signals in a Single 100-GHz-Grid Optical Channel. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 2303-2310.	3.0	6
16	Some approximated methods of calculation Sagnac correction for optical fiber time transfer. , 2017, , .		5
17	Compensation of the Fluctuations of Differential Delay for Frequency Transfer in DWDM Networks. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 797-803.	3.0	4
18	Optimization of time and frequency fiber-optic links exploiting bi-directional amplifiers, based on real-time performance measurement. Optical Fiber Technology, 2021, 62, 102465.	2.7	3

#	ARTICLE	IF	CITATIONS
19	A new approach to BER estimation for ISI corrupted baseband transmission systems. International Journal of Communication Systems, 2001, 14, 513-520.	2.5	0
20	Tapping nodes in actively stabilized fiber optic time transfer. , 2014, , .		0
21	Reference Clock Phase Shifter with Direct Digital Synthesis Circuit. , 2018, , .		0
22	Electrical Regeneration for Long-Haul Fiber-Optic Time and Frequency Distribution Systems. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 899-906.	3.0	0