Fabio Cavaliere

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5878802/publications.pdf

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19 papers	218 citations	1040056 9 h-index	996975 15 g-index
20 all docs	20 docs citations	20 times ranked	274 citing authors

#	Article	IF	Citations
1	Secure Quantum Communication Technologies and Systems: From Labs to Markets. Quantum Reports, 2020, 2, 80-106.	1.3	48
2	Future Proof Optical Network Infrastructure for 5G Transport. Journal of Optical Communications and Networking, 2016, 8, B80.	4.8	40
3	Optical transport for Industry 4.0 [Invited]. Journal of Optical Communications and Networking, 2020, 12, 264.	4.8	18
4	DSP-Free 25-Gbit/s PAM-4 Transmission Using 10G Transmitter and Coherent Amplification. IEEE Photonics Technology Letters, 2018, 30, 1547-1550.	2.5	14
5	100 Gb/s/$lambda$ Duo-Binary PAM-4 Transmission Using 25G Components Achieving 50 km Reach. IEEE Photonics Technology Letters, 2020, 32, 138-141.	2.5	13
6	Extending the Reach of Short-Reach Optical Interconnects With DSP-Free Direct Detection. Journal of Lightwave Technology, 2017, 35, 3174-3181.	4.6	12
7	Silicon-based optical links using novel direct detection, coherent detection and dual polarization methods for new generation transport architectures. Optics Communications, 2019, 450, 48-60.	2.1	11
8	5G Xhaul and Service Convergence: Transmission, Switching and Automation Enabling Technologies. Journal of Lightwave Technology, 2020, 38, 2799-2806.	4.6	11
9	25 and 50 Gb/s/${{lambda}}$ PAM-4 Transmission Over 43 and 21 km Using a Simplified Coherent Receiver on SOI. IEEE Photonics Technology Letters, 2019, 31, 799-802.	2.5	9
10	50 Gb/s short-reach interconnects with DSP-free direct-detection enabled by CAPS codes. Optics Express, 2018, 26, 17916.	3.4	8
11	Optical Interconnects for Future Advanced Antenna Systems: Architectures, Requirements and Technologies. Journal of Lightwave Technology, 2022, 40, 393-403.	4.6	8
12	Lossless WDM PON Photonic Integrated Receivers Including SOAs. Applied Sciences (Switzerland), 2019, 9, 2457.	2.5	7
13	Optical Components for Transport Network Enabling The Path to 6G. Journal of Lightwave Technology, 2022, 40, 527-537.	4.6	6
14	Demonstration of 108 Gb/s Duo-Binary PAM-8 Transmission and the Probabilistic Modeling of DB-PAM-M BER. IEEE Photonics Journal, 2021, 13, 1-14.	2.0	5
15	Silicon Photonic Micro-Transceivers for Beyond 5G Environments. Applied Sciences (Switzerland), 2021, 11, 10955.	2.5	2
16	High-Speed Optical Communications Systems for Future WDM Centralized Radio Access Networks. Journal of Lightwave Technology, 2022, 40, 368-378.	4.6	2
17	Optical Technology for NFV Converged Networks. Applied Sciences (Switzerland), 2021, 11, 1522.	2.5	1
18	Systematic Performance Comparison of (Duobinary)-PAM-2,4 Signaling under Light and Strong Opto-Electronic Bandwidth Conditions. Photonics, 2021, 8, 81.	2.0	1

#	Article	IF	Citations
19	224 Gb/s Transmission over 10 km of SMF at 1550 nm Enabled by a SiN Optical Dispersion Compensator and Stokes Vector Direct Detect Receiver. , 2020, , .		1