Yannick Lefevre

List of Publications by Year
in descending order

16	183	1306789 7	1125271 13
papers	citations	h-index	g-index

16	16	16	106
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MIMO Per-Tone Equalizer Design for Long Reach xDSL. IEEE Open Journal of the Communications Society, 2022, 3, 51-64.	4.4	0
2	FLCS-PONâ€"an opportunistic 100â€‰â€‰Gbit/s flexible PON prototype with probabilistic shaping and soft-input FEC: operator trial and ODN case studies. Journal of Optical Communications and Networking, 2022, 14, C82.	3.3	19
3	Ultrahigh-Net-Bitrate 363 Gbit/s PAM-8 and 279 Gbit/s Polybinary Optical Transmission Using Plasmonic Mach-Zehnder Modulator. Journal of Lightwave Technology, 2022, 40, 3338-3346.	2.7	21
4	Calculating Millimeter-Wave Modes of Copper Twisted-Pair Cables Using Transformation Optics. IEEE Access, 2021, 9, 52079-52088.	2.6	3
5	Signal Impropriety in Discrete Multi-Tone Systems and Widely Linear Per-Tone Equalization. IEEE Open Journal of the Communications Society, 2021, 2, 367-383.	4.4	2
6	FLCS-PON â€“ A 100 Gbit/s Flexible Passive Optical Network: Concepts and Field Trial. Journal of Lightwave Technology, 2021, 39, 5314-5324.	2.7	35
7	Operator Trial of 100 Gbit/s FLCS-PON Prototype with Probabilistic Shaping and Soft-Input FEC. , 2021, , .		8
8	MIMO Time Domain Equalizer Design for Long Reach xDSL MIMO Channel Shortening. IEEE Access, 2020, 8, 203468-203477.	2.6	1
9	Per-Tone Precoding and Per-Tone Equalization for OFDM and DMT Transmission Systems: Duality, Filter Optimization, and Resource Allocation. IEEE Open Journal of Signal Processing, 2020, 1, 257-273.	2.3	2
10	Lattice Reduction Aided Precoding Design in Downstream G.fast DSL Networks. IEEE Access, 2020, 8, 19208-19220.	2.6	5
11	Error Performance Prediction of Randomly Shortened and Punctured LDPC Codes. IEEE Communications Letters, 2019, 23, 560-563.	2.5	7
12	Simultaneous Quasi-Phase Matching of Two Arbitrary Four-Wave-Mixing Processes. Journal of Lightwave Technology, 2015, 33, 1726-1736.	2.7	4
13	Quasi-Phase-Matching of Four-Wave-Mixing-Based Wavelength Conversion by Phase-Mismatch Switching. Journal of Lightwave Technology, 2013, 31, 2113-2121.	2.7	19
14	Scaling of Raman amplification in realistic slow-light photonic crystal waveguides. Physical Review B, 2011, 84, .	1.1	19
15	Optimized wavelength conversion in silicon waveguides based on â€œoff-Raman-resonanceâ€•operation: extending the phase mismatch formalism. Optics Express, 2011, 19, 18810.	1.7	7
16	Wavelength Conversion Based on Raman- and Non-Resonant Four-Wave Mixing in Silicon Nanowire Rings Without Dispersion Engineering. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1078-1091.	1.9	31