Koji Igarashi

List of Publications by Year
in descending order

15 papers	**189** citations	1684188 **5** h-index	1588992 **8** g-index
15 all docs	**15** docs citations	**15** times ranked	**220** citing authors

#	Article	IF	Citations
1	257-Tbit/s Weakly Coupled 10-Mode C + L-Band WDM Transmission. Journal of Lightwave Technology, 2018, 36, 1375-1381.	4.6	102
2	Weakly coupled 10-mode-division multiplexed transmission over 48-km few-mode fibers with real-time coherent MIMO receivers. Optics Express, 2020, 28, 19655.	3.4	26
3	266.1-Tbit/s Transmission Over 90.4-km 6-Mode Fiber With Inline Dual C+L-Band 6-Mode EDFA. Journal of Lightwave Technology, 2019, 37, 404-410.	4.6	23
4	Characterization of Semiconductor-Laser Phase Noise with Digital Coherent Receivers. , 2011, , .		14
5	Long-Haul Coupled 4-Core Fiber Transmission Over 7,200 Km With Real-Time MIMO DSP. Journal of Lightwave Technology, 2022, 40, 1640-1649.	4.6	12
6	Potts model solver based on hybrid physical and digital architecture. Communications Physics, 2022, 5, .	5.3	7
7	Measurement of Laser Phase Noise for Ultra-Long Period of 0.8 Seconds With 800-ps Temporal Resolution Using Optical Coherent Detection With FPGA-Implemented Data Acquisition. Journal of Lightwave Technology, 2021, 39, 6539-6546.	4.6	3
8	Statistics of mode couplings induced by concatenated multiple connections in weakly-coupled few-mode fibers. Optics Communications, 2020, 467, 125685.	2.1	1
9	Measuring complex field waveforms of quadrature amplitude modulation optical signals using a spectrally slicing-and-synthesizing coherent optical spectrum analyzer. Optics Express, 2020, 28, 21560.	3.4	1
10	Iterative decoding between feed-forward carrier recovery and FEC decoding to compensate for laser phase noise. , 2017, , .		0
11	FPGA Implementation of MIMO DSP in Weakly-coupled Few-mode Fiber Transmission. , 2020, , .		0
12	Compressed Shaping: Concept and FPGA Demonstration. Journal of Lightwave Technology, 2021, 39, 5412-5422.	4.6	0
13	EXIT Chart-Aided Design of LDPC Codes for Self-Coherent Detection with Turbo Equalizer for Optical Fiber Short-Reach Transmissions. IEICE Transactions on Communications, 2019, E102.B, 1301-1312.	0.7	0
14	Sparse-Dense MLC for Peak Power Constrained Channels. , 2020, , .		0
15	Ultra-long-time (0.8 s) characterization of laser phase noise with high temporal resolution (800 ps) based on heterodyne reception with FPGA data acquisition. , 2020, , .		0