

Pradeep Kumar Krishnamurthy

List of Publications by Year in descending order

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papers

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1307594

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15
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156
citing authors

#	ARTICLE	IF	CITATIONS
1	Radial Basis Function Neural Network Nonlinear Equalizer for 16-QAM Coherent Optical OFDM. IEEE Photonics Technology Letters, 2016, 28, 2507-2510.	2.5	54
2	Phase Noise Tracking and Compensation in Coherent Optical Systems Using Kalman Filter. IEEE Communications Letters, 2016, 20, 1072-1075.	4.1	18
3	EKF for Joint Mitigation of Phase Noise, Frequency Offset and Nonlinearity in 400 Gb/s PM-16-QAM and 200 Gb/s PM-QPSK Systems. IEEE Photonics Journal, 2017, 9, 1-10.	2.0	18
4	Investigation of Planar and Helical Bend Losses in Single- and Few-Mode Optical Fibers. Journal of Lightwave Technology, 2019, 37, 3544-3556.	4.6	14
5	Tunable multiwavelength mode-locked fiber laser using intra-cavity polarization and wavelength dependent loss. Optics and Laser Technology, 2016, 83, 189-194.	4.6	11
6	Bit error rates in a frequency coded quantum key distribution system. Optics Communications, 2009, 282, 3827-3833.	2.1	9
7	Experimental demonstration of optical phase conjugation using counter-propagating dual pumped four-wave mixing in semiconductor optical amplifier. Optics Communications, 2016, 369, 106-110.	2.1	9
8	Quantum Key Distribution Using Spin Wave-Optical Interactions. IEEE Journal of Quantum Electronics, 2010, 46, 1542-1548.	1.9	5
9	Decoy-state method for subcarrier-multiplexed frequency-coded quantum key distribution. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 782.	2.1	2
10	Nonlinearity Mitigation in Coherent Optical Communication Systems: All-Optical and Digital Signal Processing Approaches. IITK Directions, 2018, , 41-51.	0.2	2
11	Semi-analytical approach for calculation of intercore crosstalk in multicore fibers. Optical Fiber Technology, 2020, 60, 102366.	2.7	2
12	Reduced sampling rate Kalman filters for carrier phase and frequency offset tracking in 200 Gbps 16 QAM coherent communication system. Scientific Reports, 2021, 11, 1991.	3.3	2
13	Multi-Rate Kalman Filter for Carrier Phase Recovery in 200 Gbps PDM Coherent Optical Receivers. , 2021, , .		1
14	Laser and Nonlinear Phase Noise Tracking and Estimation in Long Haul 400 Gbps Single Carrier PDM-16-QAM Systems using Multi-step Kalman Filter. , 2020, , .		0
15	Photon Statistics of Optical Phase Modulators and Attenuators. , 2012, , .		0