Feng Lu

List of Publications by Year
in descending order

20 papers	573 citations	567281 15 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	569 citing authors

#	Article	IF	Citations
1	Key Technologies for Next-Generation Digital RoF Mobile Fronthaul With Statistical Data Compression and Multiband Modulation. Journal of Lightwave Technology, 2017, 35, 3671-3679.	4.6	66
2	A Multilevel Artificial Neural Network Nonlinear Equalizer for Millimeter-Wave Mobile Fronthaul Systems. Journal of Lightwave Technology, 2017, 35, 4406-4417.	4.6	53
3	An Ultra-Reliable MMW/FSO A-RoF System Based on Coordinated Mapping and Combining Technique for 5G and Beyond Mobile Fronthaul. Journal of Lightwave Technology, 2018, 36, 4952-4959.	4.6	48
4	Fiberâ€“wireless integrated mobile backhaul network based on a hybrid millimeter-wave and free-space-optics architecture with an adaptive diversity combining technique. Optics Letters, 2016, 41, 1909.	3.3	46
5	Full-Duplex Quasi-Gapless Carrier Aggregation Using FBMC in Centralized Radio-Over-Fiber Heterogeneous Networks. Journal of Lightwave Technology, 2017, 35, 989-996.	4.6	43
6	Power-Division Non-Orthogonal Multiple Access (NOMA) in Flexible Optical Access With Synchronized Downlink/Asynchronous Uplink. Journal of Lightwave Technology, 2017, 35, 4145-4152.	4.6	41
7	Nonlinear Inter-Band Subcarrier Intermodulations of Multi-RAT OFDM Wireless Services in 5G Heterogeneous Mobile Fronthaul Networks. Journal of Lightwave Technology, 2016, 34, 4089-4103.	4.6	39
8	Bidirectional Fiber-Wireless Access Technology for 5G Mobile Spectral Aggregation and Cell Densification. Journal of Optical Communications and Networking, 2016, 8, B104.	4.8	38
9	Coordinated Multipoint Transmissions in Millimeter-Wave Radio-Over-Fiber Systems. Journal of Lightwave Technology, 2016, 34, 653-660.	4.6	33
10	Non-Orthogonal Multiple Access With Successive Interference Cancellation in Millimeter-Wave Radio-Over-Fiber Systems. Journal of Lightwave Technology, 2016, 34, 4179-4186.	4.6	30
11	Orthogonal Multiband CAP Modulation Based on Offset-QAM and Advanced Filter Design in Spectral Efficient MMW RoF Systems. Journal of Lightwave Technology, 2017, 35, 997-1005.	4.6	27
12	Sub-Band Pre-Distortion for PAPR Reduction in Spectral Efficient 5G Mobile Fronthaul. IEEE Photonics Technology Letters, 2017, 29, 122-125.	2.5	22
13	Enhanced Multi-Level Signal Recovery in Mobile Fronthaul Network Using DNN Decoder. IEEE Photonics Technology Letters, 2018, 30, 1511-1514.	2.5	20
14	Wavelength Resource Sharing in Bidirectional Optical Mobile Fronthaul. Journal of Lightwave Technology, 2015, 33, 3182-3188.	4.6	17
15	Adaptive Digitization and Variable Channel Coding for Enhancement of Compressed Digital Mobile Fronthaul in PAM-4 Optical Links. Journal of Lightwave Technology, 2017, 35, 4714-4720.	4.6	17
16	Orthogonal and Sparse Chirp Division Multiplexing for MMW Fiber-Wireless Integrated Systems. IEEE Photonics Technology Letters, 2017, 29, 1316-1319.	2.5	11
17	Cost-Effective Bi-Directional Mobile Fronthaul Employing WRC-FPLD for beyond LTE-Advanced Services. , 2016, , .		9
18	Investigation of Pre-Equalization Technique for Pluggable CFP2-ACO Transceivers in Beyond 100 Gb/s Transmissions. Journal of Lightwave Technology, 2017, 35, 230-237.	4.6	6

#	Article	IF	Citations
19	Efficient Mobile Fronthaul Incorporating VLC Links for Coordinated Densified Cells. IEEE Photonics Technology Letters, 2017, 29, 1059-1062.	2.5	6
20	Optical Networking for 5G and Fiber-Wireless Convergence. Springer Handbooks, 2020, , 1031-1056.	0.6	1