

Rui Zhang

List of Publications by Year in descending order

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papers

260
citations

1040056

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259
citing authors

#	ARTICLE	IF	CITATIONS
1	InP CDM and ICR Enabled 128Gbaud/ DP-16QAM-PS and 120Gbaud/DP-QPSK Long-Haul Transmission. IEEE Photonics Technology Letters, 2022, 34, 471-474.	2.5	7
2	Accelerating LMS-Based Equalization With Correlated Training Sequence in Bandlimited IM/DD Systems. Journal of Lightwave Technology, 2022, 40, 4268-4275.	4.6	2
3	Simultaneous Nonlinear Self-Interference Cancellation and Signal of Interest Recovery Using Dual Input Deep Neural Network in New Radio Access Networks. Journal of Lightwave Technology, 2021, 39, 2046-2051.	4.6	9
4	Data Efficient Estimation for Quality of Transmission Through Active Learning in Fiber-Wireless Integrated Network. Journal of Lightwave Technology, 2021, 39, 5691-5698.	4.6	4
5	Semi-Supervised and Supervised Nonlinear Equalizers in Fiber-FSO Converged System. Journal of Lightwave Technology, 2021, 39, 6175-6181.	4.6	8
6	LDPC Coded PAM-4/8 Transmission in Fiber-FSO Link Using Unipolar Probability Distribution and Pre-distortion. , 2021, , .		0
7	The Impact of Local Oscillator Frequency Jitter and Laser Linewidth to Ultra High Baud Rate Coherent Systems. Journal of Lightwave Technology, 2020, 38, 1138-1147.	4.6	5
8	Flexible Coherent Communication System With Adaptable SNR and Laser Phase Noise Tolerance for Probabilistically Shaped QAM. Journal of Lightwave Technology, 2020, 38, 6178-6186.	4.6	2
9	Entropy Allocation Optimization for PS-OFDM With Constellation Partitioning Based Modeling. Journal of Lightwave Technology, 2020, 38, 6024-6030.	4.6	4
10	Key Enabling Technologies for the Post-5G Era: Fully Adaptive, All-Spectra Coordinated Radio Access Network with Function Decoupling. IEEE Communications Magazine, 2020, 58, 60-66.	6.1	33
11	Rate Redundancy and Entropy Allocation for PAS-OFDM Based Mobile Fronthaul. Journal of Lightwave Technology, 2020, 38, 4260-4269.	4.6	4
12	Non-Orthogonal Uplink Services Through Co-Transport of D-RoF/A-RoF in Mobile Fronthaul. Journal of Lightwave Technology, 2020, 38, 3637-3643.	4.6	17
13	Asynchronous Multi-Service Fiber-Wireless Integrated Network Using UFMC and PS for Flexible 5G Applications. , 2020, , .		3
14	Combining Efficient Probabilistic Shaping and Deep Neural Network to Mitigate Capacity Crunch in 5G Fronthaul. , 2020, , .		2
15	Hybrid W-Band/Baseband Transmission for Fixed-Mobile Convergence Supported by Heterodyne Detection with Data-Carrying Local Oscillator. , 2020, , .		1
16	Joint Optimization of Processing Complexity and Rate Allocation through Entropy Tunability for 64-/256-QAM Based Radio Fronthauling with LDPC and PAS-OFDM. , 2020, , .		3
17	A Reliable OFDM-Based MMW Mobile Fronthaul With DSP-Aided Sub-Band Spreading and Time-Confined Windowing. Journal of Lightwave Technology, 2019, 37, 3236-3243.	4.6	16
18	\$4\times 100\$ -Gb/s PAM-4 FSO Transmission Based on Polarization Modulation and Direct Detection. IEEE Photonics Technology Letters, 2019, 31, 755-758.	2.5	28

#	ARTICLE	IF	CITATIONS
19	Resilient Mobile Fronthaul Links with Heterodyne Detection in Integrated Fiber-MMW-Fiber Transmission. , 2019, , .		0
20	Polarization-Tracking-Free PDM Supporting Hybrid Digital-Analog Transport for Fixed-Mobile Systems. IEEE Photonics Technology Letters, 2019, 31, 54-57.	2.5	23
21	Real-Time FPGA Demonstration of Hybrid Bi-directional MMW and FSO Fronthaul Architecture. , 2019, , .		12
22	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
23	Demonstration of a carrier frequency offset estimator for 16-/32-QAM coherent receivers: a hardware perspective. Optics Express, 2018, 26, 4853.	3.4	9
24	Enhanced Multi-Level Signal Recovery in Mobile Fronthaul Network Using DNN Decoder. IEEE Photonics Technology Letters, 2018, 30, 1511-1514.	2.5	20