Run-Kai Shiu

List of Publications by Year
in descending order

18 papers	181 citations	1307594 7 h-index	1125743 13 g-index
18 all docs	18 docs citations	18 times ranked	127 citing authors

#	Article	IF	Citations
1	Reinforcement learning for W-band radio-over-fiber system using a polarization modulator. Optics Letters, 2022, 47, 2008.	3.3	3
2	Optical Signal Processing for W-Band Radio-Over-Fiber System With Tunable Frequency Response. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-8.	2.9	14
3	A Bi-Directional Multi-Band, Multi-Beam mm-Wave Beamformer for 5G Fiber Wireless Access Networks. Journal of Lightwave Technology, 2021, 39, 1116-1124.	4.6	15
4	Self-Start Multi-Wavelength Laser Source with Tunable Delay-Line Interferometer and Optical Fiber Reflector for Wireless Communication System. Applied Sciences (Switzerland), 2021, 11, 9553.	2.5	1
5	A Deep Neural Network Equalizer for FSO Transmission System. , 2021, , .		1
6	A Simplified Radio-Over-Fiber System for Over 100-km Long-Reach n-QAM Transmission. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	8
7	135-GHz D-Band 60-Gbps PAM-8 Wireless Transmission Employing a Joint DNN Equalizer With BP and CMMA. Journal of Lightwave Technology, 2020, 38, 3592-3601.	4.6	25
8	Enhancement of the Multiplexing Capacity and Measurement Accuracy of FBG Sensor System Using IWDM Technique and Deep Learning Algorithm. Journal of Lightwave Technology, 2020, 38, 1589-1603.	4.6	30
9	Using a Machine Learning Algorithm Integrated with Data De-Noising Techniques to Optimize the Multipoint Sensor Network. Sensors, 2020, 20, 1070.	3.8	25
10	Performance Enhancement of Optical Comb Based Microwave Photonic Filter by Machine Learning Technique. Journal of Lightwave Technology, 2020, 38, 5302-5310.	4.6	13
11	Wide FoV Autonomous Beamformer Supporting Multiple Beams and Multi-Band Operation for 5G Mobile Fronthaul. , 2020, , .		1
12	RF Fading Circumvention Using a Polarization Modulator for Supporting W-Band RoF Transport from 85 to 95 GHz. , 2020, , .		2
13	Polar Coded OFDM Signal Transmission at the W-Band in Millimeter-Wave System. IEEE Photonics Journal, 2019, 11, 1-6.	2.0	3
14	Tunable Microwave Photonic Filter for Millimeter-wave Mobile Fronthaul Systems. , 2018, , .		8
15	Intensity and Wavelength Division Multiplexing FBG Sensor System Using a Raman Amplifier and Extreme Learning Machine. Journal of Sensors, 2018, 2018, 1-11.	1.1	22
16	Dual-Output Machâ€“Zehnder Modulator for Optical Access Networks. Fiber and Integrated Optics, 2018, 37, 256-263.	2.5	2
17	Simultaneous transmission of wired and wireless signals based on double sideband carrier suppression. Optical Fiber Technology, 2017, 38, 108-112.	2.7	5
18	Erbiumâ€doped fiber laser for remote fiber grating sensor system. Microwave and Optical Technology Letters, 2015, 57, 2809-2813.	1.4	3