Hao Wu

List of Publications by Year
in descending order

28	454	759233	713466
papers	citations	12	21
		h-index	g-index

28	28	28	364
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	24 km High-Performance Raman Distributed Temperature Sensing Using Low Water Peak Fiber and Optimized Denoising Neural Network. Sensors, 2022, 22, 2139.	3.8	13
2	High-Accuracy Event Classification of Distributed Optical Fiber Vibration Sensing Based on Time–Space Analysis. Sensors, 2022, 22, 2053.	3.8	9
3	Long-Range and High Spatial Resolution Brillouin Time Domain Sensor Using Oversampling Coding and Deconvolution Algorithm. IEEE Sensors Journal, 2022, 22, 14883-14891.	4.7	2
4	High-Performance Raman Distributed Temperature Sensing Powered by Deep Learning. Journal of Lightwave Technology, 2021, 39, 654-659.	4.6	29
5	45° aligned dual-polarizer for the suppression of signal fading in polarization OTDR. Applied Optics, 2021, 60, 1603.	1.8	1
6	Improving the Spatial Resolution of a BOTDA Sensor Using Deconvolution Algorithm. Journal of Lightwave Technology, 2021, 39, 2215-2222.	4.6	14
7	Single-ended self-calibration high-accuracy Raman distributed temperature sensing based on multi-core fiber. Optics Express, 2021, 29, 34762.	3.4	6
8	Enhanced Raman Distributed Temperature Sensor Using a High Raman Gain Fiber. IEEE Sensors Journal, 2021, 21, 27518-27525.	4.7	5
9	Spatial resolution improved OFDM-BOTDA utilizing frequency-division-multiplexed Brillouin phase/gain spectrum. Science China Information Sciences, 2021, 64, 1.	4.3	0
10	Fading-free polarization-sensitive optical fiber sensing. Optics Express, 2020, 28, 37334.	3.4	5
11	Distributed curvature sensing based on a bending loss-resistant ring-core fiber. Photonics Research, 2020, 8, 165.	7.0	23
12	Distributed Brillouin frequency shift extraction via a convolutional neural network. Photonics Research, 2020, 8, 690.	7.0	46
13	Sparse representation of Brillouin spectrum using dictionary learning. Optics Express, 2020, 28, 18160.	3.4	4
14	Real-Time Denoising of Brillouin Optical Time Domain Analyzer With High Data Fidelity Using Convolutional Neural Networks. Journal of Lightwave Technology, 2019, 37, 2648-2653.	4.6	43
15	Harnessing oversampling in correlation-coded OTDR. Optics Express, 2019, 27, 1693.	3.4	12
16	Joint OSNR and CD monitoring in digital coherent receiver using long short-term memory neural network. Optics Express, 2019, 27, 6936.	3.4	29
17	SNR-Enhanced Fast BOTDA Combining Channel Estimation Technique With Complementary Pulse Coding. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	5
18	Performance enhancement of ROTDR using deep convolutional neural networks. , 2018, , .		10

#	Article	IF	Citations
19	BOTDA combining channel estimation technique and complementary coding. , 2018, , .		0
20	Link optimized few-mode fiber Raman distributed temperature sensors. Applied Optics, 2018, 57, 6923.	1.8	8
21	Few-mode fiber based Raman distributed temperature sensing over 25 km with link optimization and wavelet-denoising. , 2017, , .		2
22	Few-mode fiber based Raman distributed temperature sensing. Optics Express, 2017, 25, 4907.	3.4	63
23	BOTDA using channel estimation with direct-detection optical OFDM technique. Optics Express, 2017, 25, 12698.	3.4	26
24	Few-mode optical fiber based simultaneously distributed curvature and temperature sensing. Optics Express, 2017, 25, 12722.	3.4	26
25	Spatial-division multiplexed hybrid Raman and Brillouin optical time-domain reflectometry based on multi-core fiber. Optics Express, 2016, 24, 25111.	3.4	36
26	Few-mode fiber based distributed curvature sensor through quasi-single-mode Brillouin frequency shift. Optics Letters, 2016, 41, 1514.	3.3	28
27	Temporal depolarization suppressed POTDR system for quasi-distributed instantaneous intrusion sensing and vibration frequency measurement. IEEE Photonics Journal, 2016, , 1-1.	2.0	5
28	Spatial-division multiplexed optical sensing using MCF and FMF. , 2016, , .		4