

# Yi-Xin Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

987  
citations

643344

15  
h-index

511568

30  
g-index

55  
all docs

55  
docs citations

55  
times ranked

691  
citing authors

#	ARTICLE	IF	CITATIONS
1	A botnets control strategy based on variable forgetting rate of control commands. <i>Concurrency Computation Practice and Experience</i> , 2022, 34, e6118.	1.4	1
2	Enhancing the Effect of Nonlinear Frequency Sweep Correction in OFDR With Improved Reference Frequency. <i>Journal of Lightwave Technology</i> , 2022, 40, 269-276.	2.7	6
3	Self-Optimized Vibration Localization Based on Distributed Acoustic Sensing and Existing Underground Optical Cables. <i>Journal of Lightwave Technology</i> , 2022, 40, 844-854.	2.7	4
4	Identification of novel non-toxic and anti-angiogenic $\hat{\pm}$ -fluorinated chalcones as potent colchicine binding site inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 339-354.	2.5	7
5	Bibliometric analysis of microbial sulfonamide degradation: Development, hotspots and trend directions. <i>Chemosphere</i> , 2022, 293, 133598.	4.2	13
6	Time-of-Flight Imaging in Fog Using Polarization Phasor Imaging. <i>Sensors</i> , 2022, 22, 3159.	2.1	5
7	Hybrid B-OTDR/ $\hat{\pm}$ -OTDR for multi-parameter measurement from a single end of fiber. <i>Optics Express</i> , 2022, 30, 29117.	1.7	9
8	TMAO: how gut microbiota contributes to heart failure. <i>Translational Research</i> , 2021, 228, 109-125.	2.2	113
9	A Fading Tolerant Phase-Sensitive Optical Time Domain Reflectometry Based on Phasing-Locking Structure. <i>Electronics (Switzerland)</i> , 2021, 10, 535.	1.8	4
10	A Space-Division Multiplexing Method for Fading Noise Suppression in the $\hat{\pm}$ -OTDR System. <i>Sensors</i> , 2021, 21, 1694.	2.1	9
11	Submarine cable monitoring system based on enhanced COTDR with simultaneous loss measurement and vibration monitoring ability. <i>Optics Express</i> , 2021, 29, 13115.	1.7	5
12	Aldosterone dysregulation predicts the risk of mortality and rehospitalization in heart failure with a preserved ejection fraction. <i>Science China Life Sciences</i> , 2021, , 1.	2.3	5
13	Phi-OTDR Based On-Line Monitoring of Overhead Power Transmission Line. <i>Journal of Lightwave Technology</i> , 2021, 39, 5163-5169.	2.7	42
14	Enlarging Dynamic Strain Range in UWFBG Array-Based $\hat{\pm}$ -OTDR Assisted With Polarization Signal. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 994-997.	1.3	5
15	Integrated Analysis of the Metabolome and Transcriptome on Anthocyanin Biosynthesis in Four Developmental Stages of <i>Cerasus humilis</i> Peel Coloration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11880.	1.8	17
16	Effects of Different Energy Substrates and Nickel and Cadmium Ions on the Growth of <i>Acidithiobacillus ferrooxidans</i> and Its Application for Disposal of Ni-Cd Batteries. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 387-396.	1.4	1
17	Performance enhancement method for phase-sensitive optical time-domain reflectometer system based on suppression of fading induced false alarms. <i>Optical Engineering</i> , 2020, 59, 1.	0.5	9
18	Performance Enhancement of the Location and Recognition of a $\hat{\pm}$ -OTDR System Using CEEMDAN-KL and AMNBP. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3047.	1.3	3

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19	Dynamic Measurement Based on the Linear Characteristic of Phase Change in $\Phi$ -OTDR. IEEE Photonics Technology Letters, 2019, 31, 1191-1194.	1.3	13
20	<i>In situ</i> photoacoustic imaging of cysteine to reveal the mechanism of limited GSH synthesis in pulmonary fibrosis. Chemical Communications, 2019, 55, 9685-9688.	2.2	21
21	An Enhanced Distributed Acoustic Sensor Based on UWFBG and Self-Heterodyne Detection. Journal of Lightwave Technology, 2019, 37, 2700-2705.	2.7	29
22	Performance Optimization for Phase-Sensitive OTDR Sensing System Based on Multi-Spatial Resolution Analysis. Sensors, 2019, 19, 83.	2.1	10
23	Continuous Fading Suppression Method for $\Phi$ -OTDR Systems Using Optimum Tracking Over Multiple Probe Frequencies. Journal of Lightwave Technology, 2019, 37, 3602-3610.	2.7	55
24	Performance Enhancement Methods for the Distributed Acoustic Sensors Based on Frequency Division Multiplexing. Electronics (Switzerland), 2019, 8, 617.	1.8	20
25	A Method Based on Time-Scale Factor for Correcting the Nonlinear Frequency Sweeping in an OFDR System. IEEE Photonics Journal, 2019, 11, 1-8.	1.0	10
26	Using an Auxiliary Mach-Zehnder Interferometer to Compensate for the Influence of Laser-Frequency-Drift in $\Phi$ -OTDR. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	15
27	Compensation of optical path difference in heterodyne $\Phi$ -OTDR systems and SNR enhancement by generating multiple beat signals. Optics Express, 2019, 27, 27488.	1.7	11
28	Performance optimization for a phase-sensitive optical time-domain reflectometry based on multiscale matched filtering. Optical Engineering, 2019, 58, 1.	0.5	3
29	A Broadband Distributed Vibration Sensing System Assisted by a Distributed Feedback Interferometer. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	16
30	Bioconversion of lignite humic acid by white-rot fungi and characterization of products. 3 Biotech, 2018, 8, 258.	1.1	9
31	Feature Based Modulation Classification for Overlapped Signals. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 1123-1126.	0.2	4
32	Highly efficient white organic light-emitting devices with optimized electron transporting layers. Chemical Research in Chinese Universities, 2017, 33, 227-230.	1.3	2
33	A high-sensitivity refractometer based on etched thin-core fiber modal interferometer. Microwave and Optical Technology Letters, 2017, 59, 53-56.	0.9	2
34	The Research on Information Representation of $\Phi$ -OTDR Distributed Vibration Signals. Journal of Sensors, 2017, 2017, 1-12.	0.6	3
35	Polarization-relevance noise compensation for an $\Phi$ -OTDR based optical communication network maintenance system. , 2016, , .		0
36	Enhanced $\Phi$ -OTDR system for quantitative strain measurement based on ultra-weak fiber Bragg grating array. Optical Engineering, 2016, 55, 054103.	0.5	13

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37	Enhanced $\hat{1}/2$ -optical time domain reflectometry using gigahertz sinusoidally gated InGaAs/InP single-photon avalanche detector. Optical Engineering, 2016, 55, 094101.	0.5	4
38	A distributed optical fiber sensing system for synchronous vibration and loss measurement. Optoelectronics Letters, 2016, 12, 375-378.	0.4	7
39	Polarization dependence of phase-sensitive optical time-domain reflectometry and its suppression method based on orthogonal-state of polarization pulse pair. Optical Engineering, 2016, 55, 074109.	0.5	15
40	Improved $\hat{1}$ -OTDR system with narrow pulses for quantitative strain measurement based on ultra-weak fiber bragg grating array. Microwave and Optical Technology Letters, 2016, 58, 2892-2894.	0.9	8
41	Quality inspection guided laser processing of irregular shape objects by stereo vision measurement: application in badminton shuttle manufacturing. Optical Engineering, 2015, 54, 113101.	0.5	4
42	The Development of an $\hat{1}$ -OTDR System for Quantitative Vibration Measurement. IEEE Photonics Technology Letters, 2015, 27, 1349-1352.	1.3	138
43	Improved $\hat{1}$ -OTDR Sensing System for High-Precision Dynamic Strain Measurement Based on Ultra-Weak Fiber Bragg Grating Array. Journal of Lightwave Technology, 2015, 33, 4775-4780.	2.7	99
44	Active Compensation Method for Light Source Frequency Drifting in $\hat{1}$ -OTDR Sensing System. IEEE Photonics Technology Letters, 2015, 27, 2523-2526.	1.3	46
45	A new designed FBG and $\hat{1}$ -OTDR hybrid system for vibration and temperature sensing. , 2015, , .		2
46	Portable true random number generator for personal encryption application based on smartphone camera. Electronics Letters, 2014, 50, 1841-1843.	0.5	13
47	Strain variation measurement with short-time Fourier transform-based Brillouin optical time-domain reflectometry sensing system. Electronics Letters, 2014, 50, 1624-1626.	0.5	52
48	Performance improvement for long-range BOTDR sensing system based on high extinction ratio modulator. Electronics Letters, 2014, 50, 1014-1016.	0.5	28
49	Freight train gauge-exceeding detection based on three-dimensional stereo vision measurement. Machine Vision and Applications, 2013, 24, 461-475.	1.7	11
50	A Hybrid Single-End-Access BOTDA and COTDR Sensing System Using Heterodyne Detection. Journal of Lightwave Technology, 2013, 31, 1954-1959.	2.7	24
51	Gaussian pulse gated InGaAs/InP avalanche photodiode for single photon detection. Optics Letters, 2013, 38, 606.	1.7	12
52	Balanced Single Photon Avalanche Detector with Variode-Based Spike Noise Cancellation. Microwave and Optical Technology Letters, 2013, 55, 2877-2879.	0.9	2
53	Design of fast pulse coding/decoding system for BOTDR. , 2012, , .		2
54	Development of fully-distributed fiber sensors based on Brillouin scattering. Photonic Sensors, 2011, 1, 54-61.	2.5	24