

Zhen Chen

List of Publications by Year in descending order

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23
papers

682
citations

1039880

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887953

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g-index

23
all docs

23
docs citations

23
times ranked

792
citing authors

#	ARTICLE	IF	CITATIONS
1	Incorporating Intelligence in Fog Computing for Big Data Analysis in Smart Cities. IEEE Transactions on Industrial Informatics, 2017, 13, 2140-2150.	7.2	281
2	A Hierarchical Distributed Fog Computing Architecture for Big Data Analysis in Smart Cities. , 2015, , .		122
3	Ultraweak intrinsic Fabry-Pérot cavity array for distributed sensing. Optics Letters, 2015, 40, 320.	1.7	64
4	Terahertz Fiber Bragg Grating for Distributed Sensing. IEEE Photonics Technology Letters, 2015, 27, 1084-1087.	1.3	31
5	Phase-Shifted Terahertz Fiber Bragg Grating for Strain Sensing With Large Dynamic Range. IEEE Photonics Technology Letters, 2015, 27, 1649-1652.	1.3	24
6	Terahertz-Range Weak Reflection Fiber Optic Structures for Sensing Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 246-251.	1.9	23
7	Multiplexed Oil Level Meter Using a Thin Core Fiber Cladding Mode Exciter. IEEE Photonics Technology Letters, 2015, 27, 2215-2218.	1.3	21
8	FiberID: molecular-level secret for identification of things. , 2014, , .		18
9	Ultraweak Waveguide Modification With Intact Buffer Coating Using Femtosecond Laser Pulses. IEEE Photonics Technology Letters, 2015, 27, 1705-1708.	1.3	14
10	Reflex-Tree: A Biologically Inspired Parallel Architecture for Future Smart Cities. , 2015, , .		10
11	A Sweep Velocity-Controlled VCSEL Pulse Laser to Interrogate Sub-THz-Range Fiber Sensors. IEEE Photonics Technology Letters, 2017, 29, 1471-1474.	1.3	10
12	Terahertz-range interrogated grating-based two-axis optical fiber inclinometer. Optical Engineering, 2016, 55, 026106.	0.5	9
13	A Low Bandwidth DFB Laser-Based Interrogator for Terahertz-Range Fiber Bragg Grating Sensors. IEEE Photonics Technology Letters, 2017, 29, 365-368.	1.3	9
14	Digitally controlled chirped pulse laser for sub-terahertz-range fiber structure interrogation. Optics Letters, 2017, 42, 1007.	1.7	9
15	Multiplexed displacement fiber sensor using thin core fiber exciter. Review of Scientific Instruments, 2015, 86, 065004.	0.6	8
16	Two-slot coiled coaxial cable resonator: Reaching critical coupling at a reduced number of coils. Review of Scientific Instruments, 2014, 85, 115106.	0.6	7
17	Extended-bandwidth frequency sweeps of a distributed feedback laser using combined injection current and temperature modulation. Review of Scientific Instruments, 2017, 88, 075104.	0.6	7
18	Microwave-Modulated Photon Doppler Velocimetry. IEEE Photonics Technology Letters, 2016, 28, 327-330.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Field-programmable gate array-controlled sweep velocity-locked laser pulse generator. Optical Engineering, 2017, 56, 054102.	0.5	4
20	A distributed optical fiber sensing system for data center thermal monitoring. , 2018, , .		3
21	A rapid demodulation method for optical carrier based microwave interferometer. Proceedings of SPIE, 2016, , .	0.8	2
22	A high-linear sweep laser source to interrogate sub-terahertz range fiber sensors for dynamic strain sensing applications. , 2018, , .		0
23	Real-time in-chip phase noise characterization of digitally controlled swept laser source. , 2018, , .		0