Denis Donlagic

List of Publications by Year
in descending order

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Version: 2024-02-01

29	1,166	471509	552781
papers	citations	17 h-index	26 g-index

29	29	29	990
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	All-fiber high-sensitivity pressure sensor with SiO_2 diaphragm. Optics Letters, 2005, 30, 2071.	3.3	149
2	Miniature all-fiber Fabryâ€“Perot sensor for simultaneous measurement of pressure and temperature. Applied Optics, 2012, 51, 4536.	1.8	124
3	High resolution, all-fiber, micro-machined sensor for simultaneous measurement of refractive index and temperature. Optics Express, 2014, 22, 16241.	3.4	109
4	Miniature fiber-optic pressure sensor with a polymer diaphragm. Applied Optics, 2005, 44, 2736.	2.1	103
5	In-line short cavity Fabry-Perot strain sensor for quasi distributed measurement utilizing standard OTDR. Optics Express, 2007, 15, 8719.	3.4	78
6	Miniature all-glass robust pressure sensor. Optics Express, 2009, 17, 5098.	3.4	77
7	All-fiber, long-active-length Fabry-Perot strain sensor. Optics Express, 2011, 19, 15641.	3.4	74
8	Miniature fiber-optic sensor for simultaneous measurement of pressure and refractive index. Optics Letters, 2014, 39, 6221.	3.3	52
9	Miniature fiber-optic Fabry-Perot refractive index sensor for gas sensing with a resolution of 5x10^{â^'9} RIU. Optics Express, 2018, 26, 23868.	3.4	52
10	Miniature all-silica fiber-optic sensor for simultaneous measurement of relative humidity and temperature. Optics Letters, 2015, 40, 5646.	3.3	50
11	MultiParameter Fiber-Optic Sensor for Simultaneous Measurement of Thermal Conductivity, Pressure, Refractive Index, and Temperature. IEEE Photonics Journal, 2017, 9, 1-14.	2.0	45
12	Focused ion beam post-processing of optical fiber Fabry-Perot cavities for sensing applications. Optics Express, 2014, 22, 13102.	3.4	42
13	Monitoring the Evaporation of Fluids from Fiber-Optic Micro-Cell Cavities. Sensors, 2013, 13, 15261-15273.	3.8	33
14	Micromachining of Optical Fibers Using Selective Etching Based on Phosphorus Pentoxide Doping. IEEE Photonics Journal, 2011, 3, 627-632.	2.0	31
15	Low-loss semi-reflective in-fiber mirrors. Optics Express, 2010, 18, 12017.	3.4	26
16	All-fiber micromachined microcell. Optics Letters, 2011, 36, 3148.	3.3	24
17	Nanowire-based refractive index sensor on the tip of an optical fiber. Applied Physics Letters, 2013, 102, .	3.3	20
18	A Fiber-Optic Gas Sensor and Method for the Measurement of Refractive Index Dispersion in NIR. Sensors, 2020, 20, 3717.	3.8	13

#	Article	IF	Citations
19	Miniature all-fiber force sensor. Optics Letters, 2020, 45, 5093.	3.3	13
20	Miniature micro-wire based optical fiber-field access device. Optics Express, 2012, 20, 27874.	3.4	12
21	A Miniature Fabry Perot Sensor for Twist/Rotation, Strain and Temperature Measurements Based on a Four-Core Fiber. Sensors, 2019, 19, 1574.	3.8	9
22	All-optical, all-fiber, thermal conductivity sensor for identification and characterization of fluids. Sensors and Actuators B: Chemical, 2017, 242, 577-585.	7.8	8
23	High-Speed Interrogation of Low-Finesse Fabryâ€“Perot Sensors Using a Telecom DFB Laser Diode. Journal of Lightwave Technology, 2017, 35, 2280-2290.	4.6	7
24	Miniature Fiber-Optic Pitot Tube Sensor. IEEE Sensors Journal, 2020, 20, 4732-4739.	4.7	7
25	Miniature, micro-machined, fiber-optic Fabry-Perot voltage sensor. Optics Express, 2019, 27, 13280.	3.4	5
26	System for precise balancing and controlled unbalancing of fiber-optic interferometers. Applied Optics, 2002, 41, 4471.	2.1	2
27	Monitoring of fluid evaporation using fiber-optic micro-cells. , 2012, , .		1
28	Miniature Twist/Rotation Fabry Perot Sensor Based on a Four-Core Fiber. Proceedings (mdpi), 2018, 2, .	0.2	0
29	Micromachining of all-fiber photonics micro-structures using specialty optical fibers. , 2013, , .		0