

Ricardo Canute Kamikawachi

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36

papers

374

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h-index

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49

ext. papers

442

ext. citations

2.7

avg, IF

2.99

L-index

#	Paper	IF	Citations
36	Determination of thermo-optic coefficient in liquids with fiber Bragg grating refractometer. <i>Optics Communications</i> , 2008 , 281, 621-625	2	80
35	Fiber optic sensors for hydrocarbon detection. <i>Sensors and Actuators B: Chemical</i> , 2005 , 105, 430-436	8.5	72
34	Metrological Evaluation of Optical Fiber Grating-Based Sensors: An Approach Towards the Standardization. <i>Journal of Lightwave Technology</i> , 2012 , 30, 1042-1052	4	31
33	Salinity measurement in water environment with a long period grating based interferometer. <i>Measurement Science and Technology</i> , 2009 , 20, 034003	2	29
32	Influence of electrolyte distribution in PEDOT:PSS based flexible electrochromic devices. <i>Chemical Physics Letters</i> , 2017 , 689, 212-218	2.5	17
31	Influence of the surrounding refractive index on the thermal and strain sensitivities of a cascaded long period grating. <i>Measurement Science and Technology</i> , 2007 , 18, 3111-3116	2	14
30	Roll-to-roll processed PEDOT:PSS thin films: application in flexible electrochromic devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 11072-11079	2.1	14
29	Thermal characteristics of long-period gratings 266 nm UV-point-by-point induced. <i>Optics Communications</i> , 2009 , 282, 816-823	2	12
28	Control of the long period grating spectrum through low frequency flexural acoustic waves. <i>Measurement Science and Technology</i> , 2011 , 22, 045205	2	11
27	Production and characterization of refractive index gratings in high-birefringence fibre optics. <i>Optics and Lasers in Engineering</i> , 2003 , 39, 537-548	4.6	11
26	Etched FBG written in multimode fibers: sensing characteristics and applications in the liquid fuels sector. <i>Journal of Microwaves, Optoelectronics and Electromagnetic Applications</i> , 2015 , 14, 51-59	0.7	11
25	Experimental and numerical study on refractive index sensors based on fibre Bragg gratings inscribed in multimode fibre. <i>Measurement Science and Technology</i> , 2018 , 29, 025102	2	10
24	Influence of surrounding media refractive index on the thermal and strain sensitivities of long-period gratings. <i>Applied Optics</i> , 2007 , 46, 2831-7	1.7	9
23	Tailoring fiber grating sensors for assessment of highly refractive fuels. <i>Applied Optics</i> , 2012 , 51, 2015-22.7	2.7	6
22	Nonlinear Temperature Dependence of Etched Fiber Bragg Gratings. <i>IEEE Sensors Journal</i> , 2007 , 7, 1358-1359	1.359	5
21	A Simple Equation to Describe Cross-Sensitivity Between Temperature and Refractive Index in Fiber Bragg Gratings Refractometers. <i>IEEE Sensors Journal</i> , 2017 , 1-1	4	4
20	Influence of temperature on the refractive index sensitivities of fiber Bragg gratings refractometers. <i>Journal of Microwaves, Optoelectronics and Electromagnetic Applications</i> , 2017 , 16, 385-392	0.7	4

19	CR (III) and CR (VI) detection in water environment using an optical fiber grating sensor 2004,		4
18	Diphenylalanine Nanotube Coated Fiber Bragg Grating for Methanol Vapor Detection. <i>IEEE Sensors Journal</i> , 2020 , 20, 1290-1296	4	4
17	A Fiber Bragg Grating Water Level Sensor Based on the Force of Buoyancy. <i>IEEE Sensors Journal</i> , 2020 , 20, 3608-3613	4	4
16	Estimation Models for the Refractive Index Response Curve of EFBGs. <i>IEEE Sensors Journal</i> , 2020 , 20, 13394-13402	4	3
15	Modeling and production of high-birefringence FOBG sensors 2001,		2
14	Refractive index sensitivity in etched FBG in the visible range 2017,		2
13	SERS activity of Co, Ni and Bi nanoparticles 2018,		2
12	Thermally assisted sensor for conformity assessment of biodiesel production. <i>Measurement Science and Technology</i> , 2015 , 26, 025103	2	1
11	Optical fiber sensor temperature coded for concentration measurement of oil/biodiesel blends. <i>Optical Fiber Technology</i> , 2013 , 19, 543-548	2.4	1
10	Refractive index sensitivity of fiber Bragg grating inscribed in a multimode fiber 2015,		1
9	Fiber optic sensor for methanol quantification in biodiesel 2014,		1
8	Sensing biodiesel and biodiesel-petrodiesel blends 2012,		1
7	Thermal characterization of etched FBG for applications in oil and gas sector 2007,		1
6	Cascade long-period grating structure for Cr (III) and Cr (VI) detection in water environment		1
5	Optical Gas Sensor for Amines Produced with Etched Fiber Bragg Grating Coated with PCDTBT:PDI Thin Films 2018,		1
4	2019,		1
3	FBG-Assisted Micro-Channel for Refractive Index Measurements. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 35-38	2.2	1
2	An Empirical Study of In-Fiber Mach-Zehnder Interferometer's Nonlinear Temperature Response. <i>IEEE Sensors Journal</i> , 2018 , 18, 8338-8344	4	1

1 Induced Birefringence by Drop Cast in EFBG Ammonia Sensors. *Photonics*, **2021**, 8, 346

2.2