

# Ricardo Canute Kamikawachi

## List of Publications by Year in descending order

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49  
papers

505  
citations

758635

12  
h-index

676716

22  
g-index

49  
all docs

49  
docs citations

49  
times ranked

603  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of thermo-optic coefficient in liquids with fiber Bragg grating refractometer. Optics Communications, 2008, 281, 621-625.	1.0	101
2	Fiber optic sensors for hydrocarbon detection. Sensors and Actuators B: Chemical, 2005, 105, 430-436.	4.0	87
3	Salinity measurement in water environment with a long period grating based interferometer. Measurement Science and Technology, 2009, 20, 034003.	1.4	44
4	Metrological Evaluation of Optical Fiber Grating-Based Sensors: An Approach Towards the Standardization. Journal of Lightwave Technology, 2012, 30, 1042-1052.	2.7	38
5	Influence of electrolyte distribution in PEDOT:PSS based flexible electrochromic devices. Chemical Physics Letters, 2017, 689, 212-218.	1.2	21
6	Influence of the surrounding refractive index on the thermal and strain sensitivities of a cascaded long period grating. Measurement Science and Technology, 2007, 18, 3111-3116.	1.4	20
7	Roll-to-roll processed PEDOT:PSS thin films: application in flexible electrochromic devices. Journal of Materials Science: Materials in Electronics, 2016, 27, 11072-11079.	1.1	19
8	Experimental and numerical study on refractive index sensors based on fibre Bragg gratings inscribed in multimode fibre. Measurement Science and Technology, 2018, 29, 025102.	1.4	18
9	Thermal characteristics of long-period gratings 266nm UV-point-by-point induced. Optics Communications, 2009, 282, 816-823.	1.0	17
10	Influence of surrounding media refractive index on the thermal and strain sensitivities of long-period gratings. Applied Optics, 2007, 46, 2831.	2.1	14
11	Control of the long period grating spectrum through low frequency flexural acoustic waves. Measurement Science and Technology, 2011, 22, 045205.	1.4	13
12	Etched FBG written in multimode fibers: sensing characteristics and applications in the liquid fuels sector. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2015, 14, 51-59.	0.4	13
13	Production and characterization of refractive index gratings in high-birefringence fibre optics. Optics and Lasers in Engineering, 2003, 39, 537-548.	2.0	11
14	A Fiber Bragg Grating Water Level Sensor Based on the Force of Buoyancy. IEEE Sensors Journal, 2020, 20, 3608-3613.	2.4	10
15	Tailoring fiber grating sensors for assessment of highly refractive fuels. Applied Optics, 2012, 51, 2015.	0.9	8
16	Diphenylalanine Nanotube Coated Fiber Bragg Grating for Methanol Vapor Detection. IEEE Sensors Journal, 2020, 20, 1290-1296.	2.4	8
17	A simple equation to describe cross-sensitivity between temperature and refractive index in fiber Bragg gratings refractometers. IEEE Sensors Journal, 2017, , 1-1.	2.4	7
18	FBG-Assisted Micro-Channel for Refractive Index Measurements. IEEE Photonics Technology Letters, 2021, 33, 35-38.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Nonlinear Temperature Dependence of Etched Fiber Bragg Gratings. IEEE Sensors Journal, 2007, 7, 1358-1359.	2.4	6
20	<title>CR (III) and CR (VI) detection in water environment using an optical fiber grating sensor</title>. , 2004, , .		5
21	Influence of temperature on the refractive index sensitivities of fiber Bragg gratings refractometers. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2017, 16, 385-392.	0.4	5
22	Estimation Models for the Refractive Index Response Curve of EFBGs. IEEE Sensors Journal, 2020, 20, 13394-13402.	2.4	5
23	<title>Modeling and production of high-birefringence FOBG sensors</title>. , 2001, , .		3
24	Optical fiber sensor temperature coded for concentration measurement of oil&#x2013;biodiesel blends. Optical Fiber Technology, 2013, 19, 543-548.	1.4	3
25	SERS activity of Co, Ni and Bi nanoparticles. , 2018, , .		3
26	Refractive index sensitivity in etched FBG in the visible range. , 2017, , .		3
27	Thermal characterization of etched FBG for applications in oil and gas sector. , 2007, , .		2
28	Cascade long-period grating structure for Cr (III) and Cr (VI) detection in water environment. , 0, , .		1
29	Application of Mach-Zehnder interferometer based on long period grating structure for salinity measurement in water environment. Proceedings of SPIE, 2008, , .	0.8	1
30	Optical sensor based on etched fiber Bragg gratings for assessment of biodiesel quality. , 2011, , .		1
31	Acousto-optic control of the LPG spectrum for sensing applications. Proceedings of SPIE, 2011, , .	0.8	1
32	Sensing biodiesel and biodiesel-petrodiesel blends. , 2012, , .		1
33	Fiber optic sensor for methanol quantification in biodiesel. , 2014, , .		1
34	Refractive index sensitivity of fiber Bragg grating inscribed in a multimode fiber. , 2015, , .		1
35	Thermally assisted sensor for conformity assessment of biodiesel production. Measurement Science and Technology, 2015, 26, 025103.	1.4	1
36	Synthesis and Optical Characterization of Terfenol-D Nanoparticles. , 2018, , .		1

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37	An Empirical Study of In-Fiber Mach-Zehnder Interferometer's Nonlinear Temperature Response. IEEE Sensors Journal, 2018, 18, 8338-8344.	2.4	1
38	Cell Lines Molecular Classification by FT-IR Spectroscopy Using the Recurrence Quantification Analysis (RQA) Technique. , 2019, , .		1
39	Plasmonics and SERS activity: beyond gold and silver. , 2019, , .		1
40	Optical Gas Sensor for Amines Produced with Etched Fiber Bragg Grating Coated with PCDTBT:PDI Thin Films. , 2018, , .		1
41	Development of a salinity sensor using etched fiber Bragg gratings. , 2021, , .		1
42	Nonlinear thermal sensitivity of a long-period grating. , 2007, , .		0
43	Temperature influence of an air conditioner in refractive index measurements using long-period fiber gratings. Proceedings of SPIE, 2007, , .	0.8	0
44	Kinetic of Long Period Gratings UV-Induced and Sensing Characteristics. AIP Conference Proceedings, 2008, , .	0.3	0
45	Etched fiber Bragg grating sensing system thermally assisted for analysis of water- ethanol mixtures. Proceedings of SPIE, 2011, , .	0.8	0
46	Uncertainties evaluation in optical fiber grating sensor measurements. Proceedings of SPIE, 2011, , .	0.8	0
47	Temperature and refractive index measurements by using a microcavity engraved with femtosecond laser in multimode fiber. , 2017, , .		0
48	Cascaded long period grating coated with polymethyl methacrylate. , 2017, , .		0
49	Induced Birefringence by Drop Cast in EFBG Ammonia Sensors. Photonics, 2021, 8, 346.	0.9	0