

Jitendra Kumar

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

95
citations

7
h-index

8
g-index

21
ext. papers

129
ext. citations

2.2
avg, IF

2.27
L-index

#	Paper	IF	Citations
19	Enhanced Temperature $\sim 800^{\circ}\text{C}$ Stability of Type-IIa FBG Written by 255 nm Beam. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 93-95	2.2	14
18	Highly sensitive fiber grating chemical sensors: An effective alternative to atomic absorption spectroscopy. <i>Optics and Laser Technology</i> , 2017 , 91, 27-31	4.2	9
17	Graphene-oxide-coated fiber Bragg grating sensor for ethanol detection in petrol. <i>Measurement Science and Technology</i> , 2020 , 31, 025109	2	9
16	Fluoride contamination sensor based on optical fiber grating technology. <i>Optical Fiber Technology</i> , 2017 , 38, 136-141	2.4	8
15	Distributed fiber Bragg grating sensor for multipoint temperature monitoring up to 500°C in high-electromagnetic interference environment. <i>Optical Engineering</i> , 2016 , 55, 090502	1.1	8
14	Analysis of experimental results on the adulteration measurement by an etched fiber Bragg grating sensor. <i>Optik</i> , 2015 , 126, 5698-5702	2.5	7
13	Quantification of chloride and iron in sugar factory effluent using long period fiber grating chemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2018 , 258, 850-856	8.5	7
12	Studies on thermal regeneration and temperature stability of type-I FBGs written in GeB codoped and Ge doped fibers by a kHz repetition rate nanosecond 255 nm beam. <i>Optics Communications</i> , 2014 , 320, 109-113	2	6
11	HF-based clad etching of fibre Bragg grating and its utilization in concentration sensing of laser dye in dye-ethanol solution 2014 , 82, 265-269		5
10	Study on hydrofluoric acid-based clad etching and chemical sensing characteristics of fiber Bragg gratings of different reflectivity fabricated under different UV exposure times. <i>Optical Engineering</i> , 2013 , 52, 054402	1.1	4
9	Development and Studies on FBG Temperature Sensor for Applications in Nuclear Fuel Cycle Facilities. <i>IEEE Sensors Journal</i> , 2021 , 21, 7613-7619	4	4
8	Surface Modified Long Period Fiber Grating Sensor for Rapid Detection of Aspergillus Niger Fungal Spores. <i>Fiber and Integrated Optics</i> , 2018 , 37, 79-91	0.8	3
7	Studies on the optogalvanic effect and isotope-selective excitation of ytterbium in a hollow cathode discharge lamp using a pulsed dye laser. <i>Applied Spectroscopy</i> , 2013 , 67, 1036-41	3.1	3
6	On the role of Ge-doping concentration in the refractive index rollover and thermal annealing characteristics of type IIa fiber Bragg gratings. <i>Optical Engineering</i> , 2014 , 53, 117103	1.1	2
5	Effect of gamma radiation dose on the performance of negative-index fiber Bragg gratings. <i>Optical Engineering</i> , 2019 , 58, 1	1.1	2
4	Role of UV fluence on the thermal regeneration characteristics of fiber Bragg gratings: experiment and analysis. <i>Measurement Science and Technology</i> , 2020 , 31, 045204	2	1
3	Analysis of ultraviolet fringes contrast on first and second order Fiber Bragg gratings written by prism interferometers. <i>Optical Engineering</i> , 2013 , 52, 076114	1.1	1

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| 2 | Relative humidity measurement sensor based on polyvinyl alcohol coated tilted fiber Bragg grating. <i>Measurement Science and Technology</i> , | 2 | 1 |
| 1 | Analysis and experiment on simultaneous measurement of strain and temperature by etched and un-etched FBG pair. <i>Results in Optics</i> , 2021 , 5, 100135 | 1 | 1 |