Jitendra Kumar

List of Publications by Year in Descending Order

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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	Development and Studies on FBG Temperature Sensor for Applications in Nuclear Fuel Cycle Facilities. *IEEE Sensors Journal*, **2021**, 21, 7613-7619	4	4
18	Analysis and experiment on simultaneous measurement of strain and temperature by etched and un-etched FBG pair. *Results in Optics*, **2021**, 5, 100135	1	1
17	Role of UV fluence on the thermal regeneration characteristics of fiber Bragg gratings: experiment and analysis. *Measurement Science and Technology*, **2020**, 31, 045204	2	1
16	Graphene-oxide-coated fiber Bragg grating sensor for ethanol detection in petrol. *Measurement Science and Technology*, **2020**, 31, 025109	2	9
15	Effect of gamma radiation dose on the performance of negative-index fiber Bragg gratings. *Optical Engineering*, **2019**, 58, 1	1.1	2
14	Surface Modified Long Period Fiber Grating Sensor for Rapid Detection of Aspergillus Niger Fungal Spores. *Fiber and Integrated Optics*, **2018**, 37, 79-91	0.8	3
13	Quantification of chloride and iron in sugar factory effluent using long period fiber grating chemical sensor. *Sensors and Actuators B: Chemical*, **2018**, 258, 850-856	8.5	7
12	Highly sensitive fiber grating chemical sensors: An effective alternative to atomic absorption spectroscopy. *Optics and Laser Technology*, **2017**, 91, 27-31	4.2	9
11	Fluoride contamination sensor based on optical fiber grating technology. *Optical Fiber Technology*, **2017**, 38, 136-141	2.4	8
10	Distributed fiber Bragg grating sensor for multipoint temperature monitoring up to 500°C in high-electromagnetic interference environment. *Optical Engineering*, **2016**, 55, 090502	1.1	8
9	Analysis of experimental results on the adulteration measurement by an etched fiber Bragg grating sensor. *Optik*, **2015**, 126, 5698-5702	2.5	7
8	Enhanced Temperature $({sim}{800}^{circ}{rm C})$ Stability of Type-IIa FBG Written by 255 nm Beam. *IEEE Photonics Technology Letters*, **2014**, 26, 93-95	2.2	14
7	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
6	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. *Optics Communications*, **2014**, 320, 109-113	2	6
5	On the role of Ge-doping concentration in the refractive index rollover and thermal annealing characteristics of type IIa fiber Bragg gratings. *Optical Engineering*, **2014**, 53, 117103	1.1	2
4	Analysis of ultraviolet fringes contrast on first and second order Fiber Bragg gratings written by prism interferometers. *Optical Engineering*, **2013**, 52, 076114	1.1	1
3	Study on hydrofluoric acid-based clad etching and chemical sensing characteristics of fiber Bragg gratings of different reflectivity fabricated under different UV exposure times. *Optical Engineering*, **2013**, 52, 054402	1.1	4

2	Studies on the optogalvanic effect and isotope-selective excitation of ytterbium in a hollow cathode discharge lamp using a pulsed dye laser. *Applied Spectroscopy*, **2013**, 67, 1036-41	3.1	3
1	Relative humidity measurement sensor based on polyvinyl alcohol coated tilted fiber Bragg grating. *Measurement Science and Technology*,	2	1