

Sunish J Mathews

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3491525/publications.pdf>

Version: 2024-02-01

21
papers

250
citations

1307594

7
h-index

1058476

14
g-index

22
all docs

22
docs citations

22
times ranked

300
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid crystal infiltrated photonic crystal fibers for electric field intensity measurements. Applied Optics, 2011, 50, 2628.	2.1	62
2	Directional Electric Field Sensitivity of a Liquid Crystal Infiltrated Photonic Crystal Fiber. IEEE Photonics Technology Letters, 2011, 23, 408-410.	2.5	35
3	All-fiber polarimetric electric field sensing using liquid crystal infiltrated photonic crystal fibers. Sensors and Actuators A: Physical, 2011, 167, 54-59.	4.1	35
4	All-optical dual photoacoustic and optical coherence tomography intravascular probe. Photoacoustics, 2018, 11, 65-70.	7.8	26
5	Electronic tunability of ferroelectric liquid crystal infiltrated photonic crystal fibre. Electronics Letters, 2009, 45, 617.	1.0	21
6	Experimental demonstration of an all-fiber variable optical attenuator based on liquid crystal infiltrated photonic crystal fiber. Microwave and Optical Technology Letters, 2011, 53, 539-543.	1.4	20
7	A liquid crystal coated tapered photonic crystal fiber interferometer. Journal of Optics (United Kingdom), 2012, 15, 072201. <small>10.1088/1751-8758/15/7/072201</small>	0.784314	18
8	Ultrasonic Needle Tracking with Dynamic Electronic Focusing. Ultrasound in Medicine and Biology, 2022, 48, 520-529.	1.5	7
9	Spectral tuning of a microfiber coupler with a liquid crystal overlay. , 2012, , .		6
10	Experimental Study on the Frequency Dependence of the Liquid Crystal Infiltrated Photonic Crystal Fibers. IEEE Sensors Journal, 2012, 12, 1018-1024.	4.7	5
11	Three-Dimensional Ultrasonic Needle Tip Tracking with a Fiber-Optic Ultrasound Receiver. Journal of Visualized Experiments, 2018, , .	0.3	4
12	Experimental study of temperature response of a microfiber coupler sensor with a liquid crystal overlay. Proceedings of SPIE, 2013, , .	0.8	3
13	Discretely tunable ferroelectric liquid crystal filter for demodulation of multiple FBG sensors. , 2008, , .		2
14	Experimental demonstration of a ferroelectric liquid crystal tunable filter for fast demodulation of FBG sensors. , 2009, , .		2
15	Liquid crystal filled photonic crystal fibers for voltage sensing applications. Proceedings of SPIE, 2010, , .	0.8	2
16	Characterization of liquid crystal coated photonic crystal fiber interferometers. Proceedings of SPIE, 2010, , .	0.8	1
17	Polymer fiber Bragg grating force sensors for minimally invasive surgical devices. Proceedings of SPIE, 2015, , .	0.8	1
18	Tunable properties of liquid crystal filled photonic crystal fibers. Proceedings of SPIE, 2009, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	Photonic crystal fiber strain sensors for laparoscopic surgical devices. , 2012, , .		0
20	TCT CONNECT-373 Optical Ultrasound: A New Imaging Paradigm Allowing Real-Time Visualization of In Situ Fenestration of Aortic Endovascular Grafts During Aneurysm Repair. Journal of the American College of Cardiology, 2020, 76, B160-B161.	2.8	0
21	CuInS ₂ Quantum Dot and Polydimethylsiloxane Nanocomposites for All-Optical Ultrasound and Photoacoustic Imaging (Adv. Mater. Interfaces 20/2021). Advanced Materials Interfaces, 2021, 8, 2170114.	3.7	0