

Sunish J Mathews

List of Publications by Year in descending order

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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	Ultrasonic Needle Tracking with Dynamic Electronic Focusing. <i>Ultrasound in Medicine and Biology</i> , 2022, 48, 520-529.	1.5	7
2	CuInS ₂ Quantum Dot and Polydimethylsiloxane Nanocomposites for All-Optical Ultrasound and Photoacoustic Imaging (<i>Adv. Mater. Interfaces</i> 20/2021). <i>Advanced Materials Interfaces</i> , 2021, 8, 2170114.	3.7	0
3	TCT CONNECT-373 Optical Ultrasound: A New Imaging Paradigm Allowing Real-Time Visualization of In Situ Fenestration of Aortic Endovascular Grafts During Aneurysm Repair. <i>Journal of the American College of Cardiology</i> , 2020, 76, B160-B161.	2.8	0
4	Three-Dimensional Ultrasonic Needle Tip Tracking with a Fiber-Optic Ultrasound Receiver. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	4
5	All-optical dual photoacoustic and optical coherence tomography intravascular probe. <i>Photoacoustics</i> , 2018, 11, 65-70.	7.8	26
6	Polymer fiber Bragg grating force sensors for minimally invasive surgical devices. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
7	Experimental study of temperature response of a microfiber coupler sensor with a liquid crystal overlay. <i>Proceedings of SPIE</i> , 2013, , .	0.8	3
8	Photonic crystal fiber strain sensors for laparoscopic surgical devices. , 2012, , .		0
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. <i>IEEE Sensors Journal</i> , 2012, 12, 1018-1024.	4.7	5
11	Directional Electric Field Sensitivity of a Liquid Crystal Infiltrated Photonic Crystal Fiber. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 408-410.	2.5	35
12	Liquid crystal infiltrated photonic crystal fibers for electric field intensity measurements. <i>Applied Optics</i> , 2011, 50, 2628.	2.1	62
13	Experimental demonstration of an all-fiber variable optical attenuator based on liquid crystal infiltrated photonic crystal fiber. <i>Microwave and Optical Technology Letters</i> , 2011, 53, 539-543.	1.4	20
14	All-fiber polarimetric electric field sensing using liquid crystal infiltrated photonic crystal fibers. <i>Sensors and Actuators A: Physical</i> , 2011, 167, 54-59.	4.1	35
15	A liquid crystal coated tapered photonic crystal fiber interferometer. <i>Journal of Optics (United Kingdom)</i> 11 0784314	2.2	18
16	Characterization of liquid crystal coated photonic crystal fiber interferometers. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
17	Liquid crystal filled photonic crystal fibers for voltage sensing applications. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
18	Electronic tunability of ferroelectric liquid crystal infiltrated photonic crystal fibre. <i>Electronics Letters</i> , 2009, 45, 617.	1.0	21

#	ARTICLE	IF	CITATIONS
19	Experimental demonstration of a ferroelectric liquid crystal tunable filter for fast demodulation of FBG sensors. , 2009, , .		2
20	Tunable properties of liquid crystal filled photonic crystal fibers. Proceedings of SPIE, 2009, , .	0.8	0
21	Discretely tunable ferroelectric liquid crystal filter for demodulation of multiple FBG sensors. , 2008, , .		2