

Dinesh Babu Duraibabu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

412
citations

1039406

9
h-index

1125271

13
g-index

30
all docs

30
docs citations

30
times ranked

585
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Fibre Pressure Sensors in Medical Applications. <i>Sensors</i> , 2015, 15, 17115-17148.	2.1	149
2	Underwater Depth and Temperature Sensing Based on Fiber Optic Technology for Marine and Fresh Water Applications. <i>Sensors</i> , 2017, 17, 1228.	2.1	53
3	Recent Improvement of Medical Optical Fibre Pressure and Temperature Sensors. <i>Biosensors</i> , 2015, 5, 432-449.	2.3	35
4	Differential <i>in vivo</i> urodynamic measurement in a single thin catheter based on two optical fiber pressure sensors. <i>Journal of Biomedical Optics</i> , 2015, 20, 037005.	1.4	30
5	An Optical Fibre Depth (Pressure) Sensor for Remote Operated Vehicles in Underwater Applications. <i>Sensors</i> , 2017, 17, 406.	2.1	27
6	Femtosecond-Laser-Based Inscription Technique for Post-Fiber-Bragg Grating Inscription in an Extrinsic Fabry-Perot Interferometer Pressure Sensor. <i>IEEE Sensors Journal</i> , 2016, 16, 3396-3402.	2.4	25
7	Intra-Tissue Pressure Measurement in Ex Vivo Liver Undergoing Laser Ablation with Fiber-Optic Fabry-Perot Probe. <i>Sensors</i> , 2016, 16, 544.	2.1	23
8	T-Count Optimized Quantum Circuit Designs for Single-Precision Floating-Point Division. <i>Electronics (Switzerland)</i> , 2021, 10, 703.	1.8	17
9	Review of Fiber Optical Sensors and Its Importance in Sewer Corrosion Factor Analysis. <i>Chemosensors</i> , 2021, 9, 118.	1.8	14
10	Thermal management of solar photovoltaic panels using a fibre Bragg grating sensor-based temperature monitoring. <i>Case Studies in Thermal Engineering</i> , 2022, 31, 101834.	2.8	9
11	Novel miniature pressure and temperature optical fibre sensor based on an extrinsic Fabry-Perot Interferometer (EFPI) and Fibre Bragg Gratings (FBC) for the Ocean environment. , 2014, , .		7
12	Novel FBG femtosecond laser inscription method for improved FPI sensors for medical applications. , 2014, , .		4
13	Novel ultrahigh resolution optical fibre temperature sensor. <i>Proceedings of SPIE</i> , 2016, , .	0.8	4
14	Fabrication and Qualitative Analysis of an Optical Fibre EFPI-Based Temperature Sensor. <i>Sensors</i> , 2021, 21, 4445.	2.1	3
15	Underwater pressure measurement using fibre optic extrinsic Fabry-Perot interferometric (EFPI) sensors. , 2014, , .		2
16	Review of Liquid-Filled Optical Fibre-Based Temperature Sensing. , 2019, , .		2
17	Employing the Reflected Amplitude of a Fibre Bragg Grating Sensor for High Resolution Salinity and Depth Measurement. , 2022, , .		2
18	Low drift and high resolution miniature optical fiber combined pressure- and temperature sensor for cardio-vascular and urodynamic applications. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1

#	ARTICLE	IF	CITATIONS
19	Novel diaphragm microfabrication techniques for high-sensitivity biomedical fiber optic Fabry-Perot interferometric sensors. , 2014, , .		1
20	Multi FBG femtosecond laser inscription in FPI based pressure sensors for temperature distribution. , 2015, , .		1
21	Intra-tissue pressure measurement during laser ablation with fiber-optic extrinsic Fabry-Perot sensor. , 2016, , .		1
22	Fiber Bragg grating sensors for spatially resolved measurements in ex-vivo pancreatic laser ablation. , 2016, , .		1
23	Fabry-PÃ©rot based refractive index optical fiber sensor for measurement of oxygen concentration levels in hypoxic tumors during radiotherapy treatment. , 2017, , .		1
24	An optical fibre sensor for combined point pressure measurement and spatially resolved temperature measurement. , 2015, , .		0
25	Optical fiber biocompatible sensors for monitoring selective treatment of tumors via thermal ablation. Proceedings of SPIE, 2015, , .	0.8	0
26	Fiber-optic technologies for advanced thermo-therapy applied ex vivo to liver tumors. Proceedings of SPIE, 2015, , .	0.8	0
27	Fibre optic sensors for temperature and pressure monitoring in laser ablation: experiments on ex-vivo animal model. Proceedings of SPIE, 2016, , .	0.8	0
28	Optical fibre pressure and temperature sensor system designed for urodynamic applications. Proceedings of SPIE, 2016, , .	0.8	0
29	Use of an Optical Fibre based Temperature Sensor for Radiotherapy Dosimetry. , 2019, , .		0
30	Optical fibre pressure sensors based on Extrinsic Fabry Perot Interferometer (EFPI) for the depth Control in marine environment. , 2015, , .		0