Angarai Ganesan

List of Publications by Year in Descending Order

23 papers	297 citations	10 h-index	17 g-index
24 ext. papers	356 ext. citations	2.9 avg, IF	3.45 L-index

#	Paper	IF	Citations
23	A novel interferometric method for simultaneous measurement of film thickness and film interface temperature for a horizontal tube falling film evaporator for MED systems. *International Journal of Heat and Mass Transfer*, **2022**, 183, 122231	4.9	1
22	Heat transfer enhanced surfaces for horizontal tube falling film evaporator characterized using laser interferometry. *Applied Thermal Engineering*, **2022**, 210, 118303	5.8	0
21	High Proficient Sensing Response in Clad Modified Ceria Doped Tin Oxide Fiber Optic Toxic Gas Sensor Application. *Sensors and Actuators A: Physical*, **2021**, 113114	3.9	2
20	Gamma radiation impact on the fiber optic acetone gas sensing behaviour of magnesium tetraborate. *Optical Fiber Technology*, **2019**, 52, 101935	2.4	10
19	Nano scale tilt measurement using a polarizing phase shifting cyclic interferometer. *Optics and Laser Technology*, **2019**, 120, 105691	4.2	2
18	Fiber optics assisted ammonia gas detection property of gamma irradiated magnesium tetraborate. *Sensors and Actuators A: Physical*, **2019**, 285, 158-164	3.9	10
17	Clad modified optical fiber gas sensors based on nanocrystalline nickel oxide embedded coatings. *Optical Fiber Technology*, **2017**, 36, 139-143	2.4	18
16	Increasing the sensitivity for tilt measurement using a cyclic interferometer with multiple reflections. *Optical Engineering*, **2016**, 55, 084103	1.1	3
15	Design of an anidolic concentrator and evaluation of daylight enhancement under an overcast sky. *Lighting Research and Technology*, **2016**, 48, 917-929	2	
14	Daylight enhancement using laser cut panels integrated with a profiled Fresnel collector. *Lighting Research and Technology*, **2015**, 47, 1017-1028	2	6
13	Conceptual design and assessment of a profiled Fresnel lens daylight collector. *Lighting Research and Technology*, **2015**, 47, 533-547	2	4
12	Fiber optic gas sensors with vanadium oxide and tungsten oxide nanoparticle coated claddings. *Optics Communications*, **2014**, 315, 74-78	2	39
11	Fiber optic gas sensor with nanocrystalline ZnO. *Optical Fiber Technology*, **2014**, 20, 48-52	2.4	40
10	Classification of indoor daylight enhancement systems. *Lighting Research and Technology*, **2014**, 46, 245-267	2	25
9	Nanocrystalline cerium oxide coated fiber optic gas sensor. *Current Applied Physics*, **2014**, 14, 467-471	2.6	27
8	Nanocrystalline samarium oxide coated fiber optic gas sensor. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2014**, 186, 122-127	3.1	41
7	Measurement of moments for centroid estimation in Shack–Hartmann wavefront sensors: wavelet-based approach and comparison with other methods. *Optik*, **2006**, 117, 82-87	2.5	17

List of Publications

6	Transition between rationally and irrationally related vibration modes in time-average holography. *Optics Communications*, **2000**, 174, 347-353	2	3
5	Vibration mode separation using comparative Electronic Speckle Pattern Interferometry (ESPI). *Optics Communications*, **1994**, 107, 28-34	2	10
4	Tilt measurement using digital speckle shear interferometry. *Optics and Laser Technology*, **1992**, 24, 257-261	4.6	6
3	Investigation of in-plane stresses on bolted flange joints using digital speckle pattern interferometry. *Optics and Lasers in Engineering*, **1989**, 11, 257-264	4.6	3
2	Measurement of poissons ratio using real-time digital speckle pattern interferometry. *Optics and Lasers in Engineering*, **1989**, 11, 265-269	4.6	7
1	Real-time comparative Digital Speckle Pattern Interferometry. *Optics Communications*, **1987**, 64, 501-506	2	23