

Varun Kumar

List of Publications by Year in descending order

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29
papers

264
citations

1040056

9
h-index

1058476

14
g-index

31
all docs

31
docs citations

31
times ranked

133
citing authors

#	ARTICLE	IF	CITATIONS
1	Noncontact temperature measurement of human hand skin using volume phase holographic optical element based digital holographic interferometer. Optics and Lasers in Engineering, 2022, 151, 106886.	3.8	6
2	Volume phase holographic grating based digital holographic interferometer for measurement of temperature distribution and temperature fluctuations in diffusion flames. , 2021, , .		0
3	Investigation of temperature profile and temperature stability of micro diffusion flame under the influence of magnetic field by use of a holo-shear lens-based interferometer. Optical Engineering, 2020, 59, 1.	1.0	13
4	Holographic optical element based digital holographic interferometer for the study of macro flames, micro flames and their temperature instability. Optics and Lasers in Engineering, 2019, 122, 29-36.	3.8	28
5	Digital Holography for Local Heat Flux Measurement along the Surface of Heated Wire. , 2019, , .		3
6	Temperature Measurement of Macro and Micro Diffusion Flame by Digital Holographic Interferometry using Volume Phase Holographic Grating. , 2019, , .		1
7	Measurement of temperature and temperature fluctuations in wick stabilized micro flame using digital holographic interferometry. , 2019, , .		1
8	Holo-shear lens based interferometer for measurement of temperature distribution and fluctuation of temperature in micro flame. , 2019, , .		3
9	Visual and quantitative investigation on heat flow performance from heat sinks using digital holographic interferometer. , 2019, , .		2
10	Temperature measurement of wick stabilized micro diffusion flame under the influence of magnetic field using digital holographic interferometry. Optics and Lasers in Engineering, 2018, 102, 161-169.	3.8	44
11	Measurement of temperature and temperature profile of wick stabilized micro diffusion flame under the effect of magnetic field using digital speckle pattern interferometry. Optical Engineering, 2017, 56, 014106.	1.0	23
12	Analysis of red blood cell parameters by Talbot-projected fringes. Journal of Biomedical Optics, 2017, 22, 1.	2.6	7
13	Phase contrast imaging of red blood cells using digital holographic interferometric microscope. , 2017, , .		3
14	Cell imaging by Talbot Projected Fringes. , 2017, , .		1
15	Onion Epidermis Cell imaging by using Talbot effect. , 2017, , .		0
16	Onion cell imaging by using Talbot/self-imaging effect. , 2017, , .		1
17	Testing of Micro-optics using Digital Holographic Interferometric Microscopy. , 2016, , .		3
18	Experimental investigation on butane diffusion flames under the influence of magnetic field by using digital speckle pattern interferometry. Applied Optics, 2015, 54, 2450.	1.8	35

#	ARTICLE	IF	CITATIONS
19	Study of heat dissipation process from heat sink using lensless Fourier transform digital holographic interferometry. Applied Optics, 2015, 54, 1257.	1.8	15
20	Measurement of temperature and temperature profile of candle flame using holo-shear lens and Fourier fringe analysis technique. Optical Engineering, 2015, 54, 084105.	1.0	17
21	Temperature measurement of axi-symmetric butane diffusion flame under the influence of upward decreasing gradient magnetic field using digital holographic interferometry. Proceedings of SPIE, 2015, , .	0.8	2
22	Analysis of alcohol-water diffusion process using digital holographic interferometry. Proceedings of SPIE, 2015, , .	0.8	3
23	Study the effect of magnetic field on gaseous flames using digital speckle pattern interferometry. AIP Conference Proceedings, 2014, , .	0.4	1
24	Measurement of natural convective heat transfer coefficient along the surface of a heated wire using digital holographic interferometry. Applied Optics, 2014, 53, G74.	1.8	33
25	Influence of Magnetic Field on Gaseous Flames using Digital Speckle Pattern Interferometry (DSPI) and Riesz Transform. , 2014, , .		0
26	Measurement of Temperature Profile around Heated Wire Using Digital Holography. , 2014, , 497-502.		1
27	Temperature Measurement of Diffusion and Pre-mixed Flames under the Influence of Magnetic Field Using Digital Holographic Interferometry. , 2014, , 547-550.		0
28	Measurement of temperature and temperature distribution in diffusion flames using digital speckle pattern interferometry. , 2013, , .		5
29	Contouring of diffused objects using lensless Fourier transform digital moiré holography. Applied Optics, 2012, 51, 5331.	1.8	12