

# Varun Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8578428/publications.pdf>

Version: 2024-02-01

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  | 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        |
| 2  | 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        |
| 3  | 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        |
| 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  | 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        |
| 6  | 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        |
| 7  | Study of heat dissipation process from heat sink using lensless Fourier transform digital holographic interferometry. Applied Optics, 2015, 54, 1257.   | 1.8 | 15        |
| 8  | 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        |
| 9  | Contouring of diffused objects using lensless Fourier transform digital moiré holography. Applied Optics, 2012, 51, 5331.   | 1.8 | 12        |
| 10 | Analysis of red blood cell parameters by Talbot-projected fringes. Journal of Biomedical Optics, 2017, 22, 1.   | 2.6 | 7         |
| 11 | 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         |
| 12 | Measurement of temperature and temperature distribution in diffusion flames using digital speckle pattern interferometry. , 2013, , .   |     | 5         |
| 13 | Analysis of alcohol-water diffusion process using digital holographic interferometry. Proceedings of SPIE, 2015, , .  | 0.8 | 3         |
| 14 | Phase contrast imaging of red blood cells using digital holographic interferometric microscope. , 2017, , .   |     | 3         |
| 15 | Digital Holography for Local Heat Flux Measurement along the Surface of Heated Wire. , 2019, , .  |     | 3         |
| 16 | Testing of Micro-optics using Digital Holographic Interferometric Microscopy. , 2016, , .   |     | 3         |
| 17 | Holo-shear lens based interferometer for measurement of temperature distribution and fluctuation of temperature in micro flame. , 2019, , .   |     | 3         |
| 18 | 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         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Visual and quantitative investigation on heat flow performance from heat sinks using digital holographic interferometer. , 2019, , .  |     | 2         |
| 20 | Study the effect of magnetic field on gaseous flames using digital speckle pattern interferometry. AIP Conference Proceedings, 2014, , .  | 0.4 | 1         |
| 21 | Measurement of Temperature Profile around Heated Wire Using Digital Holography. , 2014, , 497-502.  |     | 1         |
| 22 | Cell imaging by Talbot Projected Fringes. , 2017, , .   |     | 1         |
| 23 | Onion cell imaging by using Talbot/self-imaging effect. , 2017, , .   |     | 1         |
| 24 | Temperature Measurement of Macro and Micro Diffusion Flame by Digital Holographic Interferometry using Volume Phase Holographic Grating. , 2019, , .                                |     | 1         |
| 25 | Measurement of temperature and temperature fluctuations in wick stabilized micro flame using digital holographic interferometry. , 2019, , .  |     | 1         |
| 26 | Influence of Magnetic Field on Gaseous Flames using Digital Speckle Pattern Interferometry (DSPI) and Riesz Transform. , 2014, , .  |     | 0         |
| 27 | Volume phase holographic grating based digital holographic interferometer for measurement of temperature distribution and temperature fluctuations in diffusion flames. , 2021, , . |     | 0         |
| 28 | Temperature Measurement of Diffusion and Pre-mixed Flames under the Influence of Magnetic Field Using Digital Holographic Interferometry. , 2014, , 547-550.                        |     | 0         |
| 29 | Onion Epidermis Cell imaging by using Talbot effect. , 2017, , .  |     | 0         |