

# Sreeprasad Ajithaprasad

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4065686/publications.pdf>

Version: 2024-02-01

12  
papers

111  
citations

1478505

6  
h-index

1474206

9  
g-index

12  
all docs

12  
docs citations

12  
times ranked

36  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-invasive precision metrology using diffraction phase microscopy and space-frequency method. Optics and Lasers in Engineering, 2018, 109, 17-22.	3.8	29
2	Defect detection using windowed Fourier spectrum analysis in diffraction phase microscopy. Journal of Physics Communications, 2019, 3, 025006.	1.2	20
3	Step phase reconstruction using an anisotropic total variation regularization method in a diffraction phase microscopy. Applied Optics, 2019, 58, 7189.	1.8	13
4	Dynamic noncontact surface profilometry using a fast eigenspace method in diffraction phase microscopy. Applied Optics, 2020, 59, 5796.	1.8	11
5	Fringe pattern normalization algorithm using Kalman filter. Results in Optics, 2021, 5, 100152.	2.0	10
6	Automated defect identification from carrier fringe patterns using Wigner-Ville distribution and a machine learning-based method. Applied Optics, 2021, 60, 4391.	1.8	9
7	Wigner-Ville distribution based diffraction phase microscopy for non-destructive testing. Journal of Modern Optics, 2019, 66, 1644-1651.	1.3	8
8	Graphics processing unit assisted diffraction phase microscopy for fast non-destructive metrology. Measurement Science and Technology, 2019, 30, 125202.	2.6	6
9	Demodulating interferograms with non-uniform amplitude variations for precision non-contact optical profilometry. Optics and Lasers in Engineering, 2020, 134, 106292.	3.8	5
10	Dynamic deformation analysis using diffraction phase microscopy and space-frequency analysis. , 2019, , .		0
11	A GPU assisted space frequency method for dynamic defect detection in optical metrology. , 2019, , .		0
12	Demodulation of fringe patterns corrupted by non uniform intensity variations in dynamics studies. , 2020, , .		0