

Pavel Pavlicek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6780041/publications.pdf>

Version: 2024-02-01

30
papers

307
citations

1040056

9
h-index

940533

16
g-index

32
all docs

32
docs citations

32
times ranked

205
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the influence of dispersion on white-light interferometry. Applied Optics, 2004, 43, 766.	2.1	55
2	White-light interferometryâ€™Envelope detection by Hilbert transform and influence of noise. Optics and Lasers in Engineering, 2012, 50, 1063-1068.	3.8	45
3	White-light interferometry on rough surfacesâ€”measurement uncertainty caused by surface roughness. Applied Optics, 2008, 47, 2941.	2.1	41
4	Theoretical measurement uncertainty of white-light interferometry on rough surfaces. Applied Optics, 2003, 42, 1809.	2.1	29
5	White-light interferometer with dispersion: an accurate fiber-optic sensor for the measurement of distance. Applied Optics, 2005, 44, 2978.	2.1	28
6	Spatial coherence profilometry on tilted surfaces. Applied Optics, 2009, 48, H40.	2.1	28
7	White-light interferometer without mechanical scanning. Optics and Lasers in Engineering, 2020, 124, 105800.	3.8	23
8	White-light interferometry on rough surfacesâ€™measurement uncertainty caused by noise. Applied Optics, 2012, 51, 465.	1.8	15
9	Methods for Optical Shape Measurement and their Measurement Uncertainty. International Journal of Optomechatronics, 2014, 8, 292-303.	6.6	13
10	Noise properties of Hilbert transform evaluation. Measurement Science and Technology, 2015, 26, 085207.	2.6	5
11	Height profile measurement by means of white light interferometry. , 2003, 5259, 139.		4
12	Shape from focus for large image fields. Applied Optics, 2015, 54, 9747.	2.1	3
13	Shot noise limit of the optical 3D measurement methods for smooth surfaces. Measurement Science and Technology, 2016, 27, 035205.	2.6	3
14	Nonclassicality criteria for N -dimensional optical fields detected by quadratic detectors. Physical Review A, 2022, 105, .	2.5	3
15	LCD-based low spatial coherence interferometer. , 2005, 5636, 34.		2
16	Coherence scanning interferometry with a focus-tunable lens. Applied Optics, 2019, 58, G91.	1.8	2
17	Experimental realization of quantum random number generator. , 2003, 5259, 7.		1
18	Similarities and Differences between Spatial Coherence Profilometry and White-light Interferometry. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
19	Measurement Uncertainty of White-Light Interferometry on Optically Rough Surfaces. , 0, , .		1
20	White-light interferometry, Hilbert transform, and noise. , 2012, , .		1
21	Fast white-light interferometry with Hilbert transform evaluation. Proceedings of SPIE, 2016, , .	0.8	1
22	White-light interferometry without depth scan. , 2018, , .		1
23	White-light interferometer with tunable lens. , 2019, , .		1
24	Detection of decorative phase defects on a polymeric non-planar object. Polymer Testing, 2022, 109, 107558.	4.8	1
25	<title>Spatial coherence profilometry</title>. , 2007, , .		0
26	Influence of surface roughness on the measurement uncertainty of white-light interferometry. Proceedings of SPIE, 2008, , .	0.8	0
27	Measurement of the shape of objects by two wavelength interferometry. Proceedings of SPIE, 2013, , .	0.8	0
28	White-light interferometry with high measurement speed. Proceedings of SPIE, 2014, , .	0.8	0
29	Optical methods for the measurement of the shape of objects and their measurement uncertainty. , 2014, , .		0
30	Measurement of the shape of objects by shape from focus. Proceedings of SPIE, 2015, , .	0.8	0