

# Pavel Pavlicek

## List of Publications by Year in descending order

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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	Nonclassicality criteria for $N$ -dimensional optical fields detected by quadratic detectors. Physical Review A, 2022, 105, .	2.5	3
2	Detection of decorative phase defects on a polymeric non-planar object. Polymer Testing, 2022, 109, 107558.	4.8	1
3	White-light interferometer without mechanical scanning. Optics and Lasers in Engineering, 2020, 124, 105800.	3.8	23
4	Coherence scanning interferometry with a focus-tunable lens. Applied Optics, 2019, 58, G91.	1.8	2
5	White-light interferometer with tunable lens. , 2019, , .		1
6	White-light interferometry without depth scan. , 2018, , .		1
7	Fast white-light interferometry with Hilbert transform evaluation. Proceedings of SPIE, 2016, , .	0.8	1
8	Shot noise limit of the optical 3D measurement methods for smooth surfaces. Measurement Science and Technology, 2016, 27, 035205.	2.6	3
9	Shape from focus for large image fields. Applied Optics, 2015, 54, 9747.	2.1	3
10	Measurement of the shape of objects by shape from focus. Proceedings of SPIE, 2015, , .	0.8	0
11	Noise properties of Hilbert transform evaluation. Measurement Science and Technology, 2015, 26, 085207.	2.6	5
12	White-light interferometry with high measurement speed. Proceedings of SPIE, 2014, , .	0.8	0
13	Methods for Optical Shape Measurement and their Measurement Uncertainty. International Journal of Optomechatronics, 2014, 8, 292-303.	6.6	13
14	Optical methods for the measurement of the shape of objects and their measurement uncertainty. , 2014, , .		0
15	Measurement of the shape of objects by two wavelength interferometry. Proceedings of SPIE, 2013, , .	0.8	0
16	White-light interferometry on rough surfacesâ€™ measurement uncertainty caused by noise. Applied Optics, 2012, 51, 465.	1.8	15
17	White-light interferometry, Hilbert transform, and noise. , 2012, , .		1
18	White-light interferometryâ€™ Envelope detection by Hilbert transform and influence of noise. Optics and Lasers in Engineering, 2012, 50, 1063-1068.	3.8	45

#	ARTICLE	IF	CITATIONS
19	Similarities and Differences between Spatial Coherence Profilometry and White-light Interferometry. , 2010, , .		1
20	Spatial coherence profilometry on tilted surfaces. Applied Optics, 2009, 48, H40.	2.1	28
21	White-light interferometry on rough surfaces--measurement uncertainty caused by surface roughness. Applied Optics, 2008, 47, 2941.	2.1	41
22	Influence of surface roughness on the measurement uncertainty of white-light interferometry. Proceedings of SPIE, 2008, , .	0.8	0
23	<title>Spatial coherence profilometry</title>. , 2007, , .		0
24	LCD-based low spatial coherence interferometer. , 2005, 5636, 34.		2
25	White-light interferometer with dispersion: an accurate fiber-optic sensor for the measurement of distance. Applied Optics, 2005, 44, 2978.	2.1	28
26	Measurement of the influence of dispersion on white-light interferometry. Applied Optics, 2004, 43, 766.	2.1	55
27	Theoretical measurement uncertainty of white-light interferometry on rough surfaces. Applied Optics, 2003, 42, 1809.	2.1	29
28	Height profile measurement by means of white light interferometry. , 2003, 5259, 139.		4
29	Experimental realization of quantum random number generator. , 2003, 5259, 7.		1
30	Measurement Uncertainty of White-Light Interferometry on Optically Rough Surfaces. , 0, , .		1