

Ondřej Matoušek

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

86
citations

1937685
4
h-index

1474206
9
g-index

26
all docs

26
docs citations

26
times ranked

57
citing authors

#	ARTICLE	IF	CITATIONS
1	YAG Laser Rod 3D Corrective Process Optimization through Tool Influent Function Shape Inspection. Applied Sciences (Switzerland), 2020, 10, 8194.	2.5	0
2	Influence of mounting on the optical surface figure in optical reference surfaces. Journal of Instrumentation, 2020, 15, P01005-P01005.	1.2	1
3	Round robin comparison study on the form measurement of optical freeform surfaces. Journal of the European Optical Society-Rapid Publications, 2020, 16, .	1.9	14
4	Surface form characterization of plane-parallel elements using frequency-tuned phase-shifting interferometry. , 2020, , .		0
5	Development and application of spatial carrier interferometry for whole field real-time investigation of temperatures in liquid media. International Journal of Thermal Sciences, 2019, 145, 106029.	4.9	9
6	Absolute and pixel-wise measurements of vibration amplitudes using time-averaged digital holography. Optics and Lasers in Engineering, 2019, 121, 236-245.	3.8	12
7	Concept of a polishing tool based on viscoelastic properties for midspatial frequencies suppression on aspheric surfaces. Optical Engineering, 2019, 58, 1.	1.0	2
8	Machining vibration and methods of their measurement. , 2019, , .		0
9	Laser rods characterization by Fourier transform phase-shifting interferometry. , 2019, , .		1
10	Lens holder optimization for production of high precise hemispheres. , 2019, , .		0
11	Pixel-wise Amplitude Distribution Evaluation in Time Average Digital Holography. Journal of Physics: Conference Series, 2018, 1149, 012033.	0.4	0
12	Time average scanning digital holography. ACC Journal, 2018, 24, 33-42.	0.2	2
13	Surface profilometry by digital holography. , 2017, , .		2
14	Surface topography measurement by frequency sweeping digital holography. Applied Optics, 2017, 56, 7808.	1.8	29
15	Large displacement and deformation measurement by frequency sweeping digital holography. , 2017, , .		1
16	Robust retrieval of optical surfaces phase maps in sub-Nyquist multi-wavelength interferometry. , 2016, , .		0
17	FEM analysis of bonding process used for minimization of deformation of optical surface under Metis coronagraph mirrors manufacturing. Proceedings of SPIE, 2016, , .	0.8	0
18	The design of the control algorithm for corrective manufacturing of 5 axis machining centre. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Zeeko precession for free-form polishing. , 2016, , .		2
20	Methods for refractive-index homogeneity calculation using Fourier-transform phase-shifting interferometry. Proceedings of SPIE, 2016, , .	0.8	1
21	CNC subaperture polishing process arrangement for microroughness minimisation. , 2015, , .		2
22	Super-polishing of Zerodur aspheres by means of conventional polishing technology. Proceedings of SPIE, 2015, , .	0.8	2
23	Design and realization of an aspherical doublet. Proceedings of SPIE, 2015, , .	0.8	0
24	Influence of the circumferential speed of a resin bond grinding wheel on the properties of a ground aspheric surface. , 2015, , .		1
25	Development of methodology for evaluation of subsurface damage. , 2015, , .		2
26	Computer numeric control subaperture aspheric surface polishingâ€™microroughness evaluation. Optical Engineering, 2014, 53, 092011.	1.0	3