

# Ondřej Matoušek

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10191793/publications.pdf>

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  | Surface topography measurement by frequency sweeping digital holography. Applied Optics, 2017, 56, 7808.   | 1.8 | 29        |
| 2  | 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        |
| 3  | 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        |
| 4  | 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         |
| 5  | Computer numeric control subaperture aspheric surface polishingâ€™ microroughness evaluation. Optical Engineering, 2014, 53, 092011.   | 1.0 | 3         |
| 6  | CNC subaperture polishing process arrangement for microroughness minimisation. , 2015, , .   |     | 2         |
| 7  | Super-polishing of Zerodur aspheres by means of conventional polishing technology. Proceedings of SPIE, 2015, , .  | 0.8 | 2         |
| 8  | Development of methodology for evaluation of subsurface damage. , 2015, , .  |     | 2         |
| 9  | Zeeko precession for free-form polishing. , 2016, , .  |     | 2         |
| 10 | Surface profilometry by digital holography. , 2017, , .  |     | 2         |
| 11 | Concept of a polishing tool based on viscoelastic properties for midspatial frequencies suppression on aspheric surfaces. Optical Engineering, 2019, 58, 1.  | 1.0 | 2         |
| 12 | Time average scanning digital holography. ACC Journal, 2018, 24, 33-42.  | 0.2 | 2         |
| 13 | Influence of the circumferential speed of a resin bond grinding wheel on the properties of a ground aspheric surface. , 2015, , .  |     | 1         |
| 14 | Methods for refractive-index homogeneity calculation using Fourier-transform phase-shifting interferometry. Proceedings of SPIE, 2016, , .   | 0.8 | 1         |
| 15 | Influence of mounting on the optical surface figure in optical reference surfaces. Journal of Instrumentation, 2020, 15, P01005-P01005.  | 1.2 | 1         |
| 16 | Large displacement and deformation measurement by frequency sweeping digital holography. , 2017, , .   |     | 1         |
| 17 | Laser rods characterization by Fourier transform phase-shifting interferometry. , 2019, , .  |     | 1         |
| 18 | Design and realization of an aspherical doublet. Proceedings of SPIE, 2015, , .  | 0.8 | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Robust retrieval of optical surfaces phase maps in sub-Nyquist multi-wavelength interferometry. , 2016, , .   |     | 0         |
| 20 | 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         |
| 21 | The design of the control algorithm for corrective manufacturing of 5 axis machining centre. , 2016, , .  |     | 0         |
| 22 | Pixel-wise Amplitude Distribution Evaluation in Time Average Digital Holography. Journal of Physics: Conference Series, 2018, 1149, 012033.                           | 0.4 | 0         |
| 23 | YAG Laser Rod 3D Corrective Process Optimization through Tool Influent Function Shape Inspection. Applied Sciences (Switzerland), 2020, 10, 8194.                     | 2.5 | 0         |
| 24 | Machining vibration and methods of their measurement. , 2019, , .   |     | 0         |
| 25 | Lens holder optimization for production of high precise hemispheres. , 2019, , .  |     | 0         |
| 26 | Surface form characterization of plane-parallel elements using frequency-tuned phase-shifting interferometry. , 2020, , .   |     | 0         |