

Friedrich Fleischmann

List of Publications by Year in descending order

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22
papers

47
citations

2258059

3
h-index

1872680

6
g-index

22
all docs

22
docs citations

22
times ranked

22
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurements of aberrations of aspherical lenses using experimental ray tracing. Proceedings of SPIE, 2011, , .	0.8	9
2	Fitting discrete aspherical surface sag data using orthonormal polynomials. Optics Express, 2015, 23, 22404.	3.4	8
3	Determination of the paraxial focal length using Zernike polynomials over different apertures. Proceedings of SPIE, 2017, , .	0.8	3
4	Measurement of spherical, aspherical and freeform specular surfaces using experimental raytracing in simulation and measurement. , 2018, , .		3
5	Determination of the paraxial focal length of strong focusing lenses using Zernike polynomials in simulation and measurement. , 2016, , .		2
6	Testing the performance of freeform LED optics by gradient based measurement. Proceedings of SPIE, 2016, , .	0.8	2
7	Design and evaluation of a freeform lens by using a method of luminous intensity mapping and a differential equation. , 2017, , .		2
8	Design and evaluation of a freeform lens-array for a structured light illumination. OSA Continuum, 2021, 4, 774.	1.8	2
9	Locally resolved characterization of progressive addition lenses by calculation of the modulation transfer function using experimental ray tracing. Proceedings of SPIE, 2017, , .	0.8	2
10	Calibration of the incident beam in a reflective topography measurement from an unknown surface. Proceedings of SPIE, 2017, , .	0.8	2
11	Measurement of strongly curved surfaces by multi-beam experimental ray tracing. , 2017, , .		2
12	Shape measurement of freeform surfaces using experimental ray tracing. , 2017, , .		2
13	Characterization of gradient index optical components using experimental ray tracing. , 2019, , .		2
14	Inspection of aspherical lenses by wavefront analysis. , 2009, , .		1
15	Topography measurement of freeform specular surfaces using experimental ray tracing and radial basis functions. , 2016, , .		1
16	Functional concept for the source independent beam-shaping of LED light. OSA Continuum, 2019, 2, 759.	1.8	1
17	Characterization of specular freeform surfaces from reflected ray directions using experimental ray tracing. Journal of Sensors and Sensor Systems, 2021, 10, 261-270.	0.9	1
18	Component-level test of molded freeform optics for LED beam shaping using experimental ray tracing. Proceedings of SPIE, 2017, , .	0.8	1

#	ARTICLE	IF	CITATIONS
19	Precise measurement of known and unknown freeform surfaces using Experimental Ray Tracing. , 2019, , .		1
20	A test system for automated characterization of performance relevant storage media defects. IEEE Transactions on Magnetism, 2002, 38, 2435-2437.	2.1	0
21	Combining the transformation and the integration methods to design a refractive lens-array for signal lighting applications. , 2017, , .		0
22	Problems of using the PMA adaptive mesh method in lens-array design for LED signal lighting. , 2018, , .		0