Friedrich Fleischmann

List of Publications by Year
in descending order

22	47	2258059 3	1872680 6
papers	citations	h-index	g-index

22	22	22	22
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design and evaluation of a freeform lens-array for a structured light illumination. OSA Continuum, 2021, 4, 774.	1.8	2
2	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
3	Functional concept for the source independent beam-shaping of LED light. OSA Continuum, 2019, 2, 759.	1.8	1
4	Characterization of gradient index optical components using experimental ray tracing. , 2019, , .		2
5	Precise measurement of known and unknown freeform surfaces using Experimental Ray Tracing. , 2019, , .		1
6	Problems of using the PMA adaptive mesh method in lens-array design for LED signal lighting. , 2018, , .		0
7	Measurement of spherical, aspherical and freeform specular surfaces using experimental raytracing in simulation and measurement. , 2018, , .		3
8	Design and evaluation of a freeform lens by using a method of luminous intensity mapping and a differential equation. , 2017, , .		2
9	Determination of the paraxial focal length using Zernike polynomials over different apertures. Proceedings of SPIE, 2017, , .	0.8	3
10	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
11	Component-level test of molded freeform optics for LED beam shaping using experimental ray tracing. Proceedings of SPIE, 2017, , .	0.8	1
12	Calibration of the incident beam in a reflective topography measurement from an unknown surface. Proceedings of SPIE, 2017, , .	0.8	2
13	Combining the transformation and the integration methods to design a refractive lens-array for signal lighting applications. , 2017, , .		0
14	Measurement of strongly curved surfaces by multi-beam experimental ray tracing. , 2017, , .		2
15	Shape measurement of freeform surfaces using experimental ray tracing. , 2017, , .		2
16	Determination of the paraxial focal length of strong focusing lenses using Zernike polynomials in simulation and measurement. , 2016, , .		2
17	Testing the performance of freeform LED optics by gradient based measurement. Proceedings of SPIE, 2016, , .	0.8	2
18	Topography measurement of freeform specular surfaces using experimental ray tracing and radial basis functions. , 2016, , .		1

#	Article	IF	Citations
19	Fitting discrete aspherical surface sag data using orthonormal polynomials. Optics Express, 2015, 23, 22404.	3.4	8
20	Measurements of aberrations of aspherical lenses using experimental ray tracing. Proceedings of SPIE, 2011, , .	0.8	9
21	Inspection of aspherical lenses by wavefront analysis. , 2009, , .		1
22	A test system for automated characterization of performance relevant storage media defects. IEEE Transactions on Magnetics, 2002, 38, 2435-2437.	2.1	0