

Ulrike Fuchs

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

416
citations

1307594

7
h-index

1125743

13
g-index

31
all docs

31
docs citations

31
times ranked

419
citing authors

#	ARTICLE	IF	CITATIONS
1	Erbium fiber laser based on intracore femtosecond-written fiber Bragg grating. Optics Letters, 2006, 31, 2390.	3.3	87
2	Measuring the spatiotemporal electric field of tightly focused ultrashort pulses with sub-micron spatial resolution. Optics Express, 2008, 16, 13663.	3.4	86
3	Ultra-short pulse propagation in complex optical systems. Optics Express, 2005, 13, 3852.	3.4	84
4	Flat-field illumination for quantitative fluorescence imaging. Optics Express, 2018, 26, 15276.	3.4	57
5	Hybrid optics for focusing ultrashort laser pulses. Optics Letters, 2006, 31, 1516.	3.3	29
6	Tailored focal beam shaping and its application in laser material processing. Journal of Laser Applications, 2019, 31, .	1.7	26
7	Tuning the resolution and depth of field of a lens using an adjustable ring beam illumination. Applied Optics, 2020, 59, 4744.	1.8	14
8	Exploring the unlimited possibilities of modular aspheric Gauss to top-hat beam shaping. Advanced Optical Technologies, 2016, 5, 201-210.	1.7	10
9	Discussing design for manufacturability for two freeform imaging systems. , 2016, , .		4
10	Squared Focal Intensity Distributions for Applications in Laser Material Processing. Materials, 2021, 14, 4981.	2.9	4
11	Measuring the spatiotemporal electric field of tightly focused ultrashort pulses with submicron spatial resolution. Proceedings of SPIE, 2009, , .	0.8	2
12	New Dimensions in Beam Expansion. Optik & Photonik, 2015, 10, 39-42.	0.2	2
13	Aspheric lens mounting. , 2017, , .		2
14	Ready to use a multi-focal system based on Alvarez lenses. , 2018, , .		2
15	Measured aspheric surface irregularities as input to the Euclid-NISP tolerancing. , 2011, , .		1
16	Flexible and robust beam shaping concepts with aspherical surfaces. Proceedings of SPIE, 2014, , .	0.8	1
17	Conversion of radius of curvature to power (and vice versa). , 2015, , .		1
18	Beam Shaping Concepts with Aspheric Surfaces. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	Breathing life into aspheric dreams. <i>Advanced Optical Technologies</i> , 2016, 5, 229-235.	1.7	1
20	Measuring the spatio-temporal electric field of tightly focused ultrashort pulses. , 2008, , .		1
21	Fabrication and Metrology Challenges for Freeform Commercial Imaging System Development. , 2017, , .		1
22	Optics for focusing of ultra-short laser pulses. , 2005, 5962, 802.		0
23	Design and Implementation of a New Freeform Surface Based on Chebyshev Polynomials. , 2015, , .		0
24	Measuring the Spatiotemporal Electric Field of Tightly Focused Ultrashort Pulses. , 2008, , .		0
25	Intensity and phase measurements of the spatiotemporal electric field of focusing ultrashort pulses. <i>Springer Series in Chemical Physics</i> , 2009, , 917-919.	0.2	0
26	Enhanced measuring range with aspheric transmission spheres. , 2017, , .		0
27	Tolerancing aspheres based on manufacturing knowledge. , 2017, , .		0
28	Tolerancing aspheres based on manufacturing statistics. , 2017, , .		0
29	Flat field illumination for improved fluorescence microscopy. , 2019, , .		0
30	Aspheric Lens Mounting. , 2017, , .		0
31	Tolerancing aspheres based on manufacturing statistics. , 2017, , .		0