

# Zexin Feng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10417333/publications.pdf>

Version: 2024-02-01

24  
papers

992  
citations

687363

13  
h-index

794594

19  
g-index

24  
all docs

24  
docs citations

24  
times ranked

349  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of compact and smooth free-form optical system with uniform illuminance for LED source. Optics Express, 2010, 18, 9055.	3.4	250
2	Design of LED freeform optical system for road lighting with high luminance/illuminance ratio. Optics Express, 2010, 18, 22020.	3.4	146
3	Design of Freeform Illumination Optics. Laser and Photonics Reviews, 2018, 12, 1700310.	8.7	103
4	Designing double freeform optical surfaces for controlling both irradiance and wavefront. Optics Express, 2013, 21, 28693.	3.4	87
5	Beam shaping system design using double freeform optical surfaces. Optics Express, 2013, 21, 14728.	3.4	69
6	Freeform illumination lens design using composite ray mapping. Applied Optics, 2015, 54, 498.	1.8	65
7	Freeform illumination optics construction following an optimal transport map. Applied Optics, 2016, 55, 4301.	2.1	60
8	Simplified freeform optics design for complicated laser beam shaping. Applied Optics, 2017, 56, 9308.	1.8	40
9	Tailoring freeform illumination optics in a double-pole coordinate system. Applied Optics, 2015, 54, 2395.	1.8	39
10	Creating unconventional geometric beams with large depth of field using double freeform-surface optics. Applied Optics, 2015, 54, 6277.	2.1	28
11	Iterative wavefront tailoring to simplify freeform optical design for prescribed irradiance. Optics Letters, 2019, 44, 2274.	3.3	28
12	Composite method for precise freeform optical beam shaping. Applied Optics, 2015, 54, 9364.	2.1	19
13	Transferring freeform lens design into phase retrieval through intermediate irradiance transport. Optics Letters, 2019, 44, 5501.	3.3	14
14	Iterative freeform lens design for prescribed irradiance on curved target. Opto-Electronic Advances, 2020, 3, 200010-200010.	13.3	12
15	Deconvolution method in designing freeform lens array for structured light illumination. Applied Optics, 2015, 54, 1114.	1.8	10
16	Iterative freeform lens design for optical field control. Photonics Research, 2021, 9, 1775.	7.0	8
17	Designing double freeform surfaces for large ray bending irradiance tailoring of extended LED sources. Optics Express, 2021, 29, 13469.	3.4	7
18	Over compensation algorithm for laser beam shaping using a deformable freeform mirror. Optik, 2019, 198, 163250.	2.9	3

#	ARTICLE	IF	CITATIONS
19	Focal-plane irradiance tailoring using the concept of Woofer-Tweeter deformable mirrors. Optics Express, 2014, 22, 8871.	3.4	2
20	Freeform road lighting lens design. , 2018, , .		1
21	Freeform lens design for laser diode beam shaping. , 2018, , .		1
22	Optimizing freeform lenses for non-rectangular irradiance tailoring of extended LED sources. , 2021, , .		0
23	Optimizing double freeform surfaces for reducing deviations in ray-mapping method. , 2018, , .		0
24	Optimal transport theory to simplify freeform design. , 2019, , .		0