

Chao Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2013151/publications.pdf>

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46
papers

690
citations

623734

14
h-index

580821

25
g-index

46
all docs

46
docs citations

46
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Holographic capture and projection system of real object based on tunable zoom lens. PhotonIX, 2020, 1, .	13.5	115
2	Zoom microscope objective using electrowetting lenses. Optics Express, 2016, 24, 2931.	3.4	60
3	Optical switch based on tunable aperture. Optics Letters, 2012, 37, 3306.	3.3	55
4	Annular folded electrowetting liquid lens. Optics Letters, 2015, 40, 1968.	3.3	36
5	Liquid prism for beam tracking and steering. Optical Engineering, 2012, 51, 1.	1.0	32
6	Adjustable liquid aperture to eliminate undesirable light in holographic projection. Optics Express, 2016, 24, 2098.	3.4	30
7	Holographic display method to suppress speckle noise based on effective utilization of two spatial light modulators. Optics Express, 2019, 27, 11617.	3.4	25
8	Continuous optical zoom microscopy imaging system based on liquid lenses. Optics Express, 2021, 29, 20322.	3.4	22
9	Electrowetting-actuated multifunctional optofluidic lens to improve the quality of computer-generated holography. Optics Express, 2019, 27, 12963.	3.4	21
10	Multi-View 2D/3D Switchable Display with Cylindrical Liquid Crystal Lens Array. Crystals, 2021, 11, 715.	2.2	20
11	Optical switch based on electrowetting liquid lens. Journal of Applied Physics, 2012, 111, .	2.5	19
12	Multifunctional optofluidic lens with beam steering. Optics Express, 2020, 28, 7734.	3.4	17
13	Bidirectional optical switch based on electrowetting. Journal of Applied Physics, 2013, 113, .	2.5	16
14	Variable aperture with graded attenuation combined with adjustable focal length lens. Optics Express, 2019, 27, 14075.	3.4	15
15	Electrowetting-Based Liquid Iris. IEEE Photonics Technology Letters, 2013, 25, 989-991.	2.5	14
16	Light intensity and FOV-controlled adaptive fluidic iris. Applied Optics, 2018, 57, D27.	1.8	14
17	Holographic zoom micro-projection system based on three spatial light modulators. Optics Express, 2019, 27, 8048.	3.4	13
18	Non-aqueous organic solution based on a large-aperture spherical electrowetting liquid lens with a wide tunable focal length range. Journal of Materials Chemistry C, 2022, 10, 6778-6793.	5.5	13

#	ARTICLE	IF	CITATIONS
19	Electrowetting-actuated optical switch based on total internal reflection. Applied Optics, 2015, 54, 2672.	1.8	12
20	Fluidic Optical Switch by Pneumatic Actuation. IEEE Photonics Technology Letters, 2013, 25, 338-340.	2.5	11
21	Optical Switchable Electrowetting Lens. IEEE Photonics Technology Letters, 2016, 28, 1505-1508.	2.5	11
22	Liquid Optical Switch Based on Total Internal Reflection. IEEE Photonics Technology Letters, 2015, 27, 2091-2094.	2.5	10
23	Optofluidic variable optical path modulator. Scientific Reports, 2019, 9, 7082.	3.3	10
24	High stability liquid lens with optical path modulation function. Optics Express, 2021, 29, 27104.	3.4	10
25	Method of chromatic aberration elimination in holographic display based on zoomable liquid lens. Optics Express, 2019, 27, 10058.	3.4	10
26	Full color holographic display system based on intensity matching of reconstructed image. Optics Express, 2019, 27, 16599.	3.4	9
27	Adjustable Optical Slit Based on Electrowetting. IEEE Photonics Technology Letters, 2013, 25, 2423-2426.	2.5	8
28	Optofluidic lenticular lens array for a 2D/3D switchable display. Optics Express, 2021, 29, 37418.	3.4	8
29	Mirror Reflector Actuated by Liquid Droplet. IEEE Photonics Technology Letters, 2014, 26, 1077-1080.	2.5	7
30	Holographic display technology based on liquid crystal device. Journal of the Society for Information Display, 2020, 28, 136-147.	2.1	7
31	Holographic display system with adjustable viewing angle based on multi-focus optofluidic lens. Optics Express, 2019, 27, 18210.	3.4	7
32	Liquid Refractive Index Measurement System Based on Electrowetting Lens. Micromachines, 2019, 10, 515.	2.9	6
33	Adjustable Aperture Based on the Phase Modulation of Spatial Light Modulator. Journal of Display Technology, 2016, 12, 447-450.	1.2	5
34	1550 nm infrared/visible light switchable liquid optical switch. Optics Express, 2020, 28, 8974.	3.4	5
35	A multidirectional beam steering reflector actuated by hydraulic control. Scientific Reports, 2019, 9, 5086.	3.3	4
36	Continuous zoom compound eye imaging system based on liquid lenses. Optics Express, 2021, 29, 37565.	3.4	4

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37	Optical switch matrix based on a liquid-actuated mirror reflector. <i>Optical Engineering</i> , 2014, 53, 1.	1.0	2
38	Holographic Display System Based on Effective Area Expansion of SLM. <i>IEEE Photonics Journal</i> , 2019, 11, 1-12.	2.0	2
39	Holographic Zoom System With Large Focal Depth Based on Adjustable Lens. <i>IEEE Access</i> , 2020, 8, 85784-85792.	4.2	2
40	Method of Speckle Noise Suppression for Holographic Zoom Display Based on Layered-Pixel-Scanning Algorithm. <i>IEEE Access</i> , 2020, 8, 102128-102137.	4.2	2
41	Multifunction reflector controlled by liquid piston for optical switch and beam steering. <i>Optics Express</i> , 2019, 27, 33233.	3.4	1
42	P: Liquid Optical Switch Based on Total Reflection. <i>Digest of Technical Papers SID International Symposium</i> , 2015, 46, 1624-1626.	0.3	0
43	P: A Wavelength Converter Based on Electrowetting. <i>Digest of Technical Papers SID International Symposium</i> , 2015, 46, 1588-1591.	0.3	0
44	RGB converter based on liquid prism. <i>Journal of the Society for Information Display</i> , 2015, 23, 36-40.	2.1	0
45	Large-size holographic display method based on effective utilization of two spatial light modulators. <i>Optics Communications</i> , 2019, 453, 124311.	2.1	0
46	Color holographic display system based on utilization of effective viewing area. <i>Journal of the Society for Information Display</i> , 2019, 27, 646-653.	2.1	0