

Christina Alpmann

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4481271/publications.pdf>

Version: 2024-02-01

21
papers

1,617
citations

933447

10
h-index

996975

15
g-index

22
all docs

22
docs citations

22
times ranked

1783
citing authors

#	ARTICLE	IF	CITATIONS
1	Roadmap on structured light. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 013001.	2.2	888
2	Advanced optical trapping by complex beam shaping. <i>Laser and Photonics Reviews</i> , 2013, 7, 839-854.	8.7	315
3	Optical assembly of microparticles into highly ordered structures using Inceâ€“Gaussian beams. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	75
4	Mathieu beams as versatile light moulds for 3D micro particle assemblies. <i>Optics Express</i> , 2010, 18, 26084.	3.4	70
5	Holographic optical bottle beams. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	60
6	Optical assembly of bio-hybrid micro-robots. <i>Biomedical Microdevices</i> , 2015, 17, 26.	2.8	41
7	Polarization Singularity Explosions in Tailored Light Fields. <i>Laser and Photonics Reviews</i> , 2018, 12, 1700200.	8.7	41
8	Elegant Gaussian beams for enhanced optical manipulation. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	35
9	Self-pumped phase conjugation of light beams carrying orbital angular momentum. <i>Optics Express</i> , 2009, 17, 22791.	3.4	33
10	Photophoretic trampolineâ€“Interaction of single airborne absorbing droplets with light. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	20
11	Video-based analysis of the rotational behaviour of rod-shaped, self-propelled bacteria in holographic optical tweezers. , 2012, , .		7
12	Conical Refraction Bottle Beams for Entrapment of Absorbing Droplets. <i>Scientific Reports</i> , 2018, 8, 5029.	3.3	7
13	Optical control and dynamic patterning of zeolites. , 2010, , .		4
14	Synchronization in pairs of rotating active biomotors. <i>Soft Matter</i> , 2018, 14, 3073-3077.	2.7	4
15	Mikrowelt im Lichtgriff. <i>Physik in Unserer Zeit</i> , 2014, 45, 36-42.	0.0	2
16	Gefangen im Fokus des Lasers. <i>Physik in Unserer Zeit</i> , 2014, 45, 94-96.	0.0	2
17	Light Fields Can Tailor the Microscopic World. <i>Optik & Photonik</i> , 2012, 7, 47-52.	0.2	1
18	Nanoassembled dynamic optical waveguides and sensors based on zeolite L nanocontainers. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	Holographic optical tweezers induced hierarchical supramolecular organization. , 2011, , .		0
20	Integrated optofluidics: Optical control of particles and droplets in fluidic environments. , 2016, , .		0
21	Tailored vectorial light fields: flower, spider web and hybrid structures. Proceedings of SPIE, 2017, , .	0.8	0