

Christina Alpmann

List of Publications by Year in descending order

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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 | Conical Refraction Bottle Beams for Entrapment of Absorbing Droplets. Scientific Reports, 2018, 8, 5029. | 3.3 | 7 |
| 2 | Synchronization in pairs of rotating active biomotors. Soft Matter, 2018, 14, 3073-3077. | 2.7 | 4 |
| 3 | Polarization Singularity Explosions in Tailored Light Fields. Laser and Photonics Reviews, 2018, 12, 1700200. | 8.7 | 41 |
| 4 | Tailored vectorial light fields: flower, spider web and hybrid structures. Proceedings of SPIE, 2017, , . | 0.8 | 0 |
| 5 | Roadmap on structured light. Journal of Optics (United Kingdom), 2017, 19, 013001. | 2.2 | 888 |
| 6 | Integrated optofluidics: Optical control of particles and droplets in fluidic environments. , 2016, , . | | 0 |
| 7 | Nanoassembled dynamic optical waveguides and sensors based on zeolite L nanocontainers. , 2015, , . | | 1 |
| 8 | Elegant Gaussian beams for enhanced optical manipulation. Applied Physics Letters, 2015, 106, . | 3.3 | 35 |
| 9 | Optical assembly of bio-hybrid micro-robots. Biomedical Microdevices, 2015, 17, 26. | 2.8 | 41 |
| 10 | Mikrowelt im Lichtgriff. Physik in Unserer Zeit, 2014, 45, 36-42. | 0.0 | 2 |
| 11 | Gefangen im Fokus des Lasers. Physik in Unserer Zeit, 2014, 45, 94-96. | 0.0 | 2 |
| 12 | Advanced optical trapping by complex beam shaping. Laser and Photonics Reviews, 2013, 7, 839-854. | 8.7 | 315 |
| 13 | Video-based analysis of the rotational behaviour of rod-shaped, self-propelled bacteria in holographic optical tweezers. , 2012, , . | | 7 |
| 14 | Holographic optical bottle beams. Applied Physics Letters, 2012, 100, . | 3.3 | 60 |
| 15 | Photophoretic trampolineâ€™ Interaction of single airborne absorbing droplets with light. Applied Physics Letters, 2012, 101, . | 3.3 | 20 |
| 16 | Light Fields Can Tailor the Microscopic World. Optik & Photonik, 2012, 7, 47-52. | 0.2 | 1 |
| 17 | Optical assembly of microparticles into highly ordered structures using Inceâ€™ Gaussian beams. Applied Physics Letters, 2011, 98, . | 3.3 | 75 |
| 18 | Holographic optical tweezers induced hierarchical supramolecular organization. , 2011, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Optical control and dynamic patterning of zeolites. , 2010, , . | | 4 |
| 20 | Mathieu beams as versatile light moulds for 3D micro particle assemblies. Optics Express, 2010, 18, 26084. | 3.4 | 70 |
| 21 | Self-pumped phase conjugation of light beams carrying orbital angular momentum. Optics Express, 2009, 17, 22791. | 3.4 | 33 |