

Tianhang Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,313
citations

758635

12
h-index

1058022

14
g-index

14
all docs

14
docs citations

14
times ranked

1768
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical manipulation from the microscale to the nanoscale: fundamentals, advances and prospects. Light: Science and Applications, 2017, 6, e17039-e17039.	7.7	441
2	Visible-Frequency Metasurface for Structuring and Spatially Multiplexing Optical Vortices. Advanced Materials, 2016, 28, 2533-2539.	11.1	387
3	All-Optical Chirality-Sensitive Sorting <i>via</i> Reversible Lateral Forces in Interference Fields. ACS Nano, 2017, 11, 4292-4300.	7.3	99
4	Chirality-assisted lateral momentum transfer for bidirectional enantioselective separation. Light: Science and Applications, 2020, 9, 62.	7.7	92
5	Photon momentum transfer in inhomogeneous dielectric mixtures and induced tractor beams. Light: Science and Applications, 2015, 4, e278-e278.	7.7	78
6	Living Nanospear for Near-Field Optical Probing. ACS Nano, 2018, 12, 10703-10711.	7.3	54
7	Unveiling the correlation between non-diffracting tractor beam and its singularity in Poynting vector. Laser and Photonics Reviews, 2015, 9, 75-82.	4.4	52
8	Controlling Lateral Fano Interference Optical Force with Au-Ge2Sb2Te5Hybrid Nanostructure. ACS Photonics, 2016, 3, 1934-1942.	3.2	31
9	Substrate and Fano Resonance Effects on the Reversal of Optical Binding Force between Plasmonic Cube Dimers. Scientific Reports, 2017, 7, 6938.	1.6	20
10	Monolayer Conveyor for Stably Trapping and Transporting Sub-100 nm Particles. Laser and Photonics Reviews, 2020, 14, 2000030.	4.4	17
11	Reconfigurable optical manipulation by phase change material waveguides. Nanoscale, 2017, 9, 6895-6900.	2.8	15
12	Plasmonic Spherical Heterodimers: Reversal of Optical Binding Force Based on the Forced Breaking of Symmetry. Scientific Reports, 2018, 8, 3164.	1.6	13
13	Lorentz force and the optical pulling of multiple rayleigh particles outside the dielectric cylindrical waveguides. Annalen Der Physik, 2017, 529, 1600213.	0.9	8
14	On chip optical tractor beam by surface plasmon polariton. Optics Communications, 2020, 463, 125395.	1.0	6