

# Tianhang Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6194891/publications.pdf>

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