# Chenglong Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8536604/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 50 papers | 1,431 citations | 331259 21 h-index | 329751 37 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 1997 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Plasmonic Polycrystals within Microbowl Arrays. Advanced Optical Materials, 2022, 10, . | 3.6 | 4 |
| 2 | Detection and Aggregation of Listeria Monocytogenes Using Polyclonal Antibody Gold-Coated Magnetic Nanoshells Surface-Enhanced Raman Spectroscopy Substrates. Frontiers in Nanotechnology, 2021, 3, . | 2.4 | 5 |
| 3 | Opto-Thermomechanical Nanoprinting under ambient conditions. , 2021, , . | | 0 |
| 4 | Biomimetic apposition compound eye fabricated using microfluidic-assisted 3D printing. Nature Communications, 2021, 12, 6458. | 5.8 | 51 |
| 5 | Acoustofluidic Scanning Nanoscope with High Resolution and Large Field of View. ACS Nano, 2020, 14, 8624-8633. | 7.3 | 16 |
| 6 | Additive Opto-Thermomechanical Nanoprinting and Nanorepairing under Ambient Conditions. Nano Letters, 2020, 20, 5057-5064. | 4.5 | 22 |
| 7 | Laser Additive Manufacturing through Opto-thermo- mechanical Printing under Ambient Conditions. , 2020, , . | | 0 |
| 8 | Laser additive manufacturing at the nanoscales under ambient conditions. , 2020, , . | | 0 |
| 9 | Active and Ultrasensitive Chemical and Biosensing through Optothermally Generated Microbubble. , 2020, , . | | 0 |
| 10 | Opto-Thermomechanical Nanoprinting and Nanorepairing. , 2020, , . | | 0 |
| 11 | Laser additive nano-manufacturing under ambient conditions. Nanoscale, 2019, 11, 16187-16199. | 2.8 | 16 |
| 12 | Colour compound lenses for a portable fluorescence microscope. Light: Science and Applications, 2019, 8, 75. | 7.7 | 61 |
| 13 | Optimization and Structural Stability of Gold Nanoparticleâ€“Antibody Bioconjugates. ACS Omega, 2019, 4, 15269-15279. | 1.6 | 68 |
| 14 | Optothermal microbubble assisted manufacturing of nanogap-rich structures for active chemical sensing. Nanoscale, 2019, 11, 20589-20597. | 2.8 | 24 |
| 15 | Print metallic nanoparticles on a fiber probe for 1064-nm surface-enhanced Raman scattering. Optics Letters, 2019, 44, 4997. | 1.7 | 14 |
| 16 | Optical manipulation with an optothermal surface bubble for ultrasensitive sensing. , 2019, , . | | 0 |
| 17 | Nondestructive Approach for Additive Nanomanufacturing of Metallic Nanostructures in the Air. ACS Omega, 2018, 3, 1213-1219. | 1.6 | 15 |
| 18 | Estimation of thermocapillary force during laser trapping of confined microbubbles in a liquid. Optical Engineering, 2018, 57, 1. | 0.5 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Generation of a ring-shaped focusing spot with precisely controllable position and diameter. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 987. | 0.9 | 1 |
| 20 | Fabricated nanogap-rich plasmonic nanostructures through an optothermal surface bubble in a droplet. Optics Letters, 2018, 43, 334. | 1.7 | 16 |
| 21 | Dynamics of thermally generated microbubbles. , 2018, , . | | 1 |
| 22 | An optothermally generated surface bubble and its applications. Nanoscale, 2017, 9, 6622-6631. | 2.8 | 70 |
| 23 | Optical trapping of metallic nanoparticles using microbubbles. , 2017, , . | | 1 |
| 24 | Review of optical detection of single molecules beyond the diffraction and diffusion limit using plasmonic nanostructures. Journal of Nanophotonics, 2017, 12, 012504. | 0.4 | 10 |
| 25 | Practical guide to the realization of a convertible optical trapping system. Optics Express, 2017, 25, 2496. | 1.7 | 16 |
| 26 | Light and Particle Manipulation Based on Optothermal Surface Bubbles. , 2017, , . | | 0 |
| 27 | Probing Cell Deformability via Acoustically Actuated Bubbles. Small, 2016, 12, 902-910. | 5.2 | 60 |
| 28 | Single-molecule detection at high concentrations with optical aperture nanoantennas. Nanoscale, 2016, 8, 9480-9487. | 2.8 | 23 |
| 29 | Plasmofluidics: Plasmofluidics: Merging Light and Fluids at the Micro-/Nanoscale (Small 35/2015). Small, 2015, 11, 4422-4422. | 5.2 | 1 |
| 30 | Plasmofluidics: Merging Light and Fluids at the Micro-/Nanoscale. Small, 2015, 11, 4423-4444. | 5.2 | 61 |
| 31 | Optical trapping of nanoparticles with significantly reduced laser powers by using counter-propagating beams (Presentation Recording). , 2015, , . | | 0 |
| 32 | Coupling between surface plasmon polaritons and transverse electric polarized light via L-shaped nano-apertures. Optics Letters, 2015, 40, 978. | 1.7 | 3 |
| 33 | Theory and experiment on particle trapping and manipulation via optothermally generated bubbles. Lab on A Chip, 2014, 14, 384-391. | 3.1 | 136 |
| 34 | In Situ Fabrication of 3D Ag@ZnO Nanostructures for Microfluidic Surface-Enhanced Raman Scattering Systems. ACS Nano, 2014, 8, 12175-12184. | 7.3 | 106 |
| 35 | Dark-Field Illumination on Zero-Mode Waveguide/Microfluidic Hybrid Chip Reveals T4 Replisomal Protein Interactions. Nano Letters, 2014, 14, 1952-1960. | 4.5 | 28 |
| 36 | Single-molecule detection and radiation control in solutions at high concentrations via a heterogeneous optical slot antenna. Nanoscale, 2014, 6, 9103-9109. | 2.8 | 33 |

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|---|---|---|---|
| 37 | Light manipulation with encoded plasmonic nanostructures. EPJ Applied Metamaterials, 2014, 1, 6. | 0.8 | 16 |
| 38 | Reconfigurable Plasmofluidic Lenses. , 2014, , . | | 2 |
| 39 | A reconfigurable plasmofluidic lens. Nature Communications, 2013, 4, 2305. | 5.8 | 127 |
| 40 | Optoacoustic tweezers: a programmable, localized cell concentrator based on opto-thermally generated, acoustically activated, surface bubbles. Lab on A Chip, 2013, 13, 1772. | 3.1 | 63 |
| 41 | Largeâ€Scale Fabrication of Threeâ€Dimensional Surface Patterns Using Templateâ€Defined Electrochemical Deposition. Advanced Functional Materials, 2013, 23, 720-730. | 7.8 | 67 |
| 42 | Does the leakage radiation profile mirror the intensity profile of surface plasmon polaritons?: reply to comment. Optics Letters, 2011, 36, 2517. | 1.7 | 0 |
| 43 | Flexible wavefront manipulation of surface plasmon polaritons without mechanical motion components. Applied Physics Letters, 2011, 98, . | 1.5 | 14 |
| 44 | Plasmonic Demultiplexer and Guiding. ACS Nano, 2010, 4, 6433-6438. | 7.3 | 61 |
| 45 | Does the leakage radiation profile mirror the intensity profile of surface plasmon polaritons?. Optics Letters, 2010, 35, 1944. | 1.7 | 19 |
| 46 | Focusing surface plasmons to multiple focal spots with a launching diffraction grating. Applied Physics Letters, 2009, 94, 111105. | 1.5 | 21 |
| 47 | Refractive index sensor based on surface-plasmon interference. Optics Letters, 2009, 34, 392. | 1.7 | 68 |
| 48 | Binary plasmonics: launching surface plasmon polaritons to a desired pattern. Optics Letters, 2009, 34, 2417. | 1.7 | 30 |
| 49 | An experimental study of the plasmonic Talbot effect. Optics Express, 2009, 17, 19757. | 1.7 | 72 |
| 50 | Intelligent nanoscope for rapid nanomaterial identification and classification. Lab on A Chip, 0, , . | 3.1 | 6 |