

Fusheng Zhao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

741
citations

15
h-index

27
g-index

48
ext. papers

1,043
ext. citations

5.8
avg, IF

4.06
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 29 | Directed Concentrating of Micro-/Nanoparticles via Near-Infrared Laser Generated Plasmonic Microbubbles. <i>ACS Omega</i> , 2020 , 5, 32481-32489 | 3.9 | 3 |
| 28 | Symmetry Breaking-Induced Plasmonic Mode Splitting in Coupled Gold-Silver Alloy Nanodisk Array for Ultrasensitive RGB Colorimetric Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2273-2281 | 9.5 | 19 |
| 27 | Plasmonic nanoparticle-based expansion microscopy with surface-enhanced Raman and dark-field spectroscopic imaging. <i>Biomedical Optics Express</i> , 2018 , 9, 603-615 | 3.5 | 13 |
| 26 | Photothermal generation of programmable microbubble array on nanoporous gold disks. <i>Optics Express</i> , 2018 , 26, 16893-16902 | 3.3 | 10 |
| 25 | Photothermal Generation of Programmable Microbubble Array on Nanoporous Gold Disks 2018 , | | 1 |
| 24 | Catalytic assembly of DNA nanostructures on a nanoporous gold array as 3D architectures for label-free telomerase activity sensing. <i>Nanoscale Horizons</i> , 2017 , 2, 217-224 | 10.8 | 10 |
| 23 | Far-field plasmonic coupling in 2-dimensional polycrystalline plasmonic arrays enables wide tunability with low-cost nanofabrication. <i>Nanoscale Horizons</i> , 2017 , 2, 267-276 | 10.8 | 12 |
| 22 | EBL-Based Fabrication and Different Modeling Approaches for Nanoporous Gold Nanodisks. <i>ACS Photonics</i> , 2017 , 4, 1870-1878 | 6.3 | 24 |
| 21 | Portable SERS sensor for malachite green and other small dye molecules 2017 , | | 1 |
| 20 | Single-molecule DNA hybridization on nanoporous gold nanoparticle array chip 2017 , | | 1 |
| 19 | Nanoporous Gold Nanocomposites as a Versatile Platform for Plasmonic Engineering and Sensing. <i>Sensors</i> , 2017 , 17, | 3.8 | 13 |
| 18 | Nanoporous Gold Disks Functionalized with Stabilized G-Quadruplex Moieties for Sensing Small Molecules. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29968-29976 | 9.5 | 25 |
| 17 | Nanoplasmonic sensing on DNA topological structure functionalized nanoporous gold disks 2016 , | | 0 |
| 16 | Simultaneous Chemical and Refractive Index Sensing in the 1-2.5 μ m Near-Infrared Wavelength Range on Nanoporous Gold Disks. <i>Nano Letters</i> , 2016 , 16, 4641-7 | 11.5 | 51 |
| 15 | Photothermal inactivation of bacteria on plasmonic nanostructures 2016 , | | 1 |
| 14 | Direct-write patterning of nanoporous gold microstructures by in situ laser-assisted dealloying. <i>Optics Express</i> , 2016 , 24, 23610-23617 | 3.3 | 12 |
| 13 | Photothermal inactivation of heat-resistant bacteria on nanoporous gold disk arrays. <i>Optical Materials Express</i> , 2016 , 6, 1217 | 2.6 | 37 |

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| 12 | Reagent- and separation-free measurements of urine creatinine concentration using stamping surface enhanced Raman scattering (S-SERS). <i>Biomedical Optics Express</i> , 2015 , 6, 849-58 | 3.5 | 54 |
| 11 | In situ patterning of hierarchical nanoporous gold structures by in-plane dealloying. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015 , 194, 34-40 | 3.1 | 10 |
| 10 | Morphological control and plasmonic tuning of nanoporous gold disks by surface modifications. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 247-252 | 7.1 | 44 |
| 9 | Label-free, zeptomole cancer biomarker detection by surface-enhanced fluorescence on nanoporous gold disk plasmonic nanoparticles. <i>Journal of Biophotonics</i> , 2015 , 8, 855-63 | 3.1 | 31 |
| 8 | 2015 , | | 1 |
| 7 | Label-free, in situ SERS monitoring of individual DNA hybridization in microfluidics. <i>Nanoscale</i> , 2014 , 6, 8521-6 | 7.7 | 66 |
| 6 | Laser rapid thermal annealing enables tunable plasmonics in nanoporous gold nanoparticles. <i>Nanoscale</i> , 2014 , 6, 12470-5 | 7.7 | 40 |
| 5 | Internal and external morphology-dependent plasmonic resonance in monolithic nanoporous gold nanoparticles. <i>RSC Advances</i> , 2014 , 4, 36682-36688 | 3.7 | 31 |
| 4 | Characterization of nanoporous gold disks for photothermal light harvesting and light-gated molecular release. <i>Nanoscale</i> , 2014 , 6, 5718-24 | 7.7 | 68 |
| 3 | Monolithic NPG nanoparticles with large surface area, tunable plasmonics, and high-density internal hot-spots. <i>Nanoscale</i> , 2014 , 6, 8199-207 | 7.7 | 69 |
| 2 | Microfluidic surface-enhanced Raman scattering sensor with monolithically integrated nanoporous gold disk arrays for rapid and label-free biomolecular detection. <i>Journal of Biomedical Optics</i> , 2014 , 19, 111611 | 3.5 | 59 |
| 1 | Stamping surface-enhanced Raman spectroscopy for label-free, multiplexed, molecular sensing and imaging. <i>Journal of Biomedical Optics</i> , 2014 , 19, 050501 | 3.5 | 34 |