Fusheng Zhao

List of Publications by Citations

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	Monolithic NPG nanoparticles with large surface area, tunable plasmonics, and high-density internal hot-spots. *Nanoscale*, **2014**, 6, 8199-207	7.7	69
28	Characterization of nanoporous gold disks for photothermal light harvesting and light-gated molecular release. *Nanoscale*, **2014**, 6, 5718-24	7.7	68
27	Label-free, in situ SERS monitoring of individual DNA hybridization in microfluidics. *Nanoscale*, **2014**, 6, 8521-6	7.7	66
26	Microfluidic surface-enhanced Raman scattering sensor with monolithically integrated nanoporous gold disk arrays for rapid and label-free biomolecular detection. *Journal of Biomedical Optics*, **2014**, 19, 111611	3.5	59
25	Reagent- and separation-free measurements of urine creatinine concentration using stamping surface enhanced Raman scattering (S-SERS). *Biomedical Optics Express*, **2015**, 6, 849-58	3.5	54
24	Simultaneous Chemical and Refractive Index Sensing in the 1-2.5 Îm Near-Infrared Wavelength Range on Nanoporous Gold Disks. *Nano Letters*, **2016**, 16, 4641-7	11.5	51
23	Morphological control and plasmonic tuning of nanoporous gold disks by surface modifications. *Journal of Materials Chemistry C*, **2015**, 3, 247-252	7.1	44
22	Laser rapid thermal annealing enables tunable plasmonics in nanoporous gold nanoparticles. *Nanoscale*, **2014**, 6, 12470-5	7.7	40
21	Photothermal inactivation of heat-resistant bacteria on nanoporous gold disk arrays. *Optical Materials Express*, **2016**, 6, 1217	2.6	37
20	Stamping surface-enhanced Raman spectroscopy for label-free, multiplexed, molecular sensing and imaging. *Journal of Biomedical Optics*, **2014**, 19, 050501	3.5	34
19	Internal and external morphology-dependent plasmonic resonance in monolithic nanoporous gold nanoparticles. *RSC Advances*, **2014**, 4, 36682-36688	3.7	31
18	Label-free, zeptomole cancer biomarker detection by surface-enhanced fluorescence on nanoporous gold disk plasmonic nanoparticles. *Journal of Biophotonics*, **2015**, 8, 855-63	3.1	31
17	Nanoporous Gold Disks Functionalized with Stabilized G-Quadruplex Moieties for Sensing Small Molecules. *ACS Applied Materials & Interfaces*, **2016**, 8, 29968-29976	9.5	25
16	EBL-Based Fabrication and Different Modeling Approaches for Nanoporous Gold Nanodisks. *ACS Photonics*, **2017**, 4, 1870-1878	6.3	24
15	Symmetry Breaking-Induced Plasmonic Mode Splitting in Coupled Gold-Silver Alloy Nanodisk Array for Ultrasensitive RGB Colorimetric Biosensing. *ACS Applied Materials & Interfaces*, **2019**, 11, 2273-2281	9.5	19
14	Plasmonic nanoparticle-based expansion microscopy with surface-enhanced Raman and dark-field spectroscopic imaging. *Biomedical Optics Express*, **2018**, 9, 603-615	3.5	13
13	Nanoporous Gold Nanocomposites as a Versatile Platform for Plasmonic Engineering and Sensing. *Sensors*, **2017**, 17,	3.8	13

List of Publications

12	Far-field plasmonic coupling in 2-dimensional polycrystalline plasmonic arrays enables wide tunability with low-cost nanofabrication. *Nanoscale Horizons*, **2017**, 2, 267-276	10.8	12
11	Direct-write patterning of nanoporous gold microstructures by in situ laser-assisted dealloying. *Optics Express*, **2016**, 24, 23610-23617	3.3	12
10	Catalytic assembly of DNA nanostructures on a nanoporous gold array as 3D architectures for label-free telomerase activity sensing. *Nanoscale Horizons*, **2017**, 2, 217-224	10.8	10
9	In situ patterning of hierarchical nanoporous gold structures by in-plane dealloying. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2015**, 194, 34-40	3.1	10
8	Photothermal generation of programmable microbubble array on nanoporous gold disks. *Optics Express*, **2018**, 26, 16893-16902	3.3	10
7	Directed Concentrating of Micro-/Nanoparticles via Near-Infrared Laser Generated Plasmonic Microbubbles. *ACS Omega*, **2020**, 5, 32481-32489	3.9	3
6	Portable SERS sensor for malachite green and other small dye molecules **2017**,		1
5	Single-molecule DNA hybridization on nanoporous gold nanoparticle array chip **2017**,		1
4	Photothermal inactivation of bacteria on plasmonic nanostructures **2016**,		1
3	**2015**,		1
2	Photothermal Generation of Programmable Microbubble Array on Nanoporous Gold Disks **2018**,		1
1	Nanoplasmonic sensing on DNA topological structure functionalized nanoporous gold disks **2016**,		0