

# Yanhui Zhao

## List of Publications by Year in descending order

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45  
papers

2,649  
citations

186265

28  
h-index

265206

42  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3832  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polarization-independent dual-band infrared perfect absorber based on a metal-dielectric-metal elliptical nanodisk array. <i>Optics Express</i> , 2011, 19, 15221.	3.4	268
2	Reflective plasmonic color filters based on lithographically patterned silver nanorod arrays. <i>Nanoscale</i> , 2013, 5, 6243.	5.6	168
3	Microfluidic hydrodynamic focusing for synthesis of nanomaterials. <i>Nano Today</i> , 2016, 11, 778-792.	11.9	148
4	Liquid-Crystal-Enabled Active Plasmonics: A Review. <i>Materials</i> , 2014, 7, 1296-1317.	2.9	147
5	Tunable Nanowire Patterning Using Standing Surface Acoustic Waves. <i>ACS Nano</i> , 2013, 7, 3306-3314.	14.6	142
6	Theory and experiment on particle trapping and manipulation via optothermally generated bubbles. <i>Lab on A Chip</i> , 2014, 14, 384-391.	6.0	136
7	A reconfigurable plasmofluidic lens. <i>Nature Communications</i> , 2013, 4, 2305.	12.8	127
8	Standing surface acoustic wave (SSAW)-based microfluidic cytometer. <i>Lab on A Chip</i> , 2014, 14, 916-923.	6.0	106
9	An integrated, multiparametric flow cytometry chip using microfluidic drifting-based three-dimensional hydrodynamic focusing. <i>Biomicrofluidics</i> , 2012, 6, 24113-241139.	2.4	102
10	Annular aperture array based color filter. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	99
11	Optofluidic imaging: now and beyond. <i>Lab on A Chip</i> , 2013, 13, 17-24.	6.0	70
12	Light-driven tunable dual-band plasmonic absorber using liquid-crystal-coated asymmetric nanodisk array. <i>Applied Physics Letters</i> , 2012, 100, 053119.	3.3	69
13	Large-scale Fabrication of Three-Dimensional Surface Patterns Using Template-Defined Electrochemical Deposition. <i>Advanced Functional Materials</i> , 2013, 23, 720-730.	14.9	67
14	Sub-diffraction-limited interference photolithography with metamaterials. <i>Optics Express</i> , 2008, 16, 13579.	3.4	65
15	Fabrication and Characterization of Beaded SiC Quantum Rings with Anomalous Red Spectral Shift. <i>Advanced Materials</i> , 2012, 24, 5598-5603.	21.0	65
16	Subwavelength imaging with anisotropic structure comprising alternately layered metal and dielectric films. <i>Optics Express</i> , 2008, 16, 4217.	3.4	63
17	Optoacoustic tweezers: a programmable, localized cell concentrator based on opto-thermally generated, acoustically activated, surface bubbles. <i>Lab on A Chip</i> , 2013, 13, 1772.	6.0	63
18	Tight focusing of a higher-order radially polarized beam transmitting through multi-zone binary phase pupil filters. <i>Optics Express</i> , 2013, 21, 5363.	3.4	62

#	ARTICLE	IF	CITATIONS
19	Plasmoﬂuidics: Merging Light and Fluids at the Micro-/Nanoscale. <i>Small</i> , 2015, 11, 4423-4444.	10.0	61
20	Beam bending via plasmonic lenses. <i>Optics Express</i> , 2010, 18, 23458.	3.4	58
21	A Droplet-Based, Optoﬂuidic Device for High-Throughput, Quantitative Bioanalysis. <i>Analytical Chemistry</i> , 2012, 84, 10745-10749.	6.5	55
22	Sub-micrometer-precision, three-dimensional (3D) hydrodynamic focusing via "microﬂuidic drifting" Lab on A Chip, 2014, 14, 415-423.	6.0	52
23	Tuning surface-enhanced Raman scattering from graphene substrates using the electric field effect and chemical doping. <i>Applied Physics Letters</i> , 2013, 102, 11102.	3.3	48
24	Electrochemically created highly surface roughened Ag nanoplate arrays for SERS biosensing applications. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8350-8356.	5.5	43
25	Lab-on-a-chip technologies for single-molecule studies. <i>Lab on A Chip</i> , 2013, 13, 2183.	6.0	42
26	Superhydrophobic surface enhanced Raman scattering sensing using Janus particle arrays realized by site-specific electrochemical growth. <i>Journal of Materials Chemistry C</i> , 2014, 2, 542-547.	5.5	41
27	Direct and accurate patterning of plasmonic nanostructures with ultrasmall gaps. <i>Nanoscale</i> , 2013, 5, 4309.	5.6	35
28	Exploring bubble oscillation and mass transfer enhancement in acoustic-assisted liquid-liquid extraction with a microﬂuidic device. <i>Scientific Reports</i> , 2015, 5, 12572.	3.3	31
29	Dark-Field Illumination on Zero-Mode Waveguide/Microﬂuidic Hybrid Chip Reveals T4 Replisomal Protein Interactions. <i>Nano Letters</i> , 2014, 14, 1952-1960.	9.1	28
30	Frequency-addressed tunable transmission in optically thin metallic nanohole arrays with dual-frequency liquid crystals. <i>Journal of Applied Physics</i> , 2011, 109, 084340.	2.5	26
31	High contrast modulation of plasmonic signals using nanoscale dual-frequency liquid crystals. <i>Optics Express</i> , 2011, 19, 15265.	3.4	25
32	Incident-angle dependent color tuning from a single plasmonic chip. <i>Nanotechnology</i> , 2014, 25, 455203.	2.6	25
33	Label-Free Measurements of Reaction Kinetics Using a Droplet-Based Optoﬂuidic Device. <i>Journal of the Association for Laboratory Automation</i> , 2015, 20, 17-24.	2.8	24
34	Characterization of complementary patterned metallic membranes produced simultaneously by a dual fabrication process. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	23
35	Shifts in plasmon resonance due to charging of a nanodisk array in argon plasma. <i>Applied Physics Letters</i> , 2012, 100, 101903-1019033.	3.3	19
36	Nanoscale super-resolution imaging via a metal-dielectric metamaterial lens system. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 415101.	2.8	15

#	ARTICLE	IF	CITATIONS
37	Super resolution imaging by compensating oblique lens with metallodielectric films. Optics Express, 2008, 16, 5697.	3.4	11
38	Single-step holographic fabrication of large-area periodically corrugated metal films. Journal of Applied Physics, 2012, 112, 113101.	2.5	5
39	Demagnifying super resolution imaging based on surface plasmon structures. Optics Express, 2008, 16, 5427.	3.4	4
40	PLASMONIC COLOR FILTERS. Journal of Molecular and Engineering Materials, 2014, 02, 1440009.	1.8	4
41	Mechanically Tuning the Localized Surface Plasmon Resonances of Gold Nanostructure Arrays. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	3
42	Reconfigurable Plasmofluidic Lenses. , 2014, , .		2
43	Plasmofluidics: Plasmofluidics: Merging Light and Fluids at the Micro-/Nanoscale (Small 35/2015). Small, 2015, 11, 4422-4422.	10.0	1
44	Microfluidic Droplet Detection. , 2015, , 1939-1944.		1
45	Microfluidic Droplet Detection. , 2014, , 1-6.		0