

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	Microfluidic hydrodynamic focusing for synthesis of nanomaterials. Nano Today, 2016, 11, 778-792.	11.9	148
2	Plasmofluidics: Merging Light and Fluids at the Micro-/Nanoscale (Small 35/2015). Small, 2015, 11, 4422-4422.	10.0	1
3	Exploring bubble oscillation and mass transfer enhancement in acoustic-assisted liquid-liquid extraction with a microfluidic device. Scientific Reports, 2015, 5, 12572.	3.3	31
4	Plasmofluidics: Merging Light and Fluids at the Micro-/Nanoscale. Small, 2015, 11, 4423-4444.	10.0	61
5	Label-Free Measurements of Reaction Kinetics Using a Droplet-Based Optofluidic Device. Journal of the Association for Laboratory Automation, 2015, 20, 17-24.	2.8	24
6	Microfluidic Droplet Detection. , 2015, , 1939-1944.		1
7	Incident-angle dependent color tuning from a single plasmonic chip. Nanotechnology, 2014, 25, 455203.	2.6	25
8	Liquid-Crystal-Enabled Active Plasmonics: A Review. Materials, 2014, 7, 1296-1317.	2.9	147
9	Standing surface acoustic wave (SSAW)-based microfluidic cytometer. Lab on A Chip, 2014, 14, 916-923.	6.0	106
10	Theory and experiment on particle trapping and manipulation via optothermally generated bubbles. Lab on A Chip, 2014, 14, 384-391.	6.0	136
11	Superhydrophobic surface enhanced Raman scattering sensing using Janus particle arrays realized by site-specific electrochemical growth. Journal of Materials Chemistry C, 2014, 2, 542-547.	5.5	41
12	Sub-micrometer-precision, three-dimensional (3D) hydrodynamic focusing via microfluidic drifting. Lab on A Chip, 2014, 14, 415-423.	6.0	52
13	Electrochemically created highly surface roughened Ag nanoplate arrays for SERS biosensing applications. Journal of Materials Chemistry C, 2014, 2, 8350-8356.	5.5	43
14	PLASMONIC COLOR FILTERS. Journal of Molecular and Engineering Materials, 2014, 02, 1440009.	1.8	4
15	Dark-Field Illumination on Zero-Mode Waveguide/Microfluidic Hybrid Chip Reveals T4 Replisomal Protein Interactions. Nano Letters, 2014, 14, 1952-1960.	9.1	28
16	Microfluidic Droplet Detection. , 2014, , 1-6.		0
17	Reconfigurable Plasmofluidic Lenses. , 2014, , .		2
18	Direct and accurate patterning of plasmonic nanostructures with ultrasmall gaps. Nanoscale, 2013, 5, 4309.	5.6	35

#	ARTICLE	IF	CITATIONS
19	A reconfigurable plasmofluidic lens. <i>Nature Communications</i> , 2013, 4, 2305.	12.8	127
20	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
21	Optofluidic imaging: now and beyond. <i>Lab on A Chip</i> , 2013, 13, 17-24.	6.0	70
22	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
23	Lab-on-a-chip technologies for single-molecule studies. <i>Lab on A Chip</i> , 2013, 13, 2183.	6.0	42
24	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
25	Reflective plasmonic color filters based on lithographically patterned silver nanorod arrays. <i>Nanoscale</i> , 2013, 5, 6243.	5.6	168
26	Tunable Nanowire Patterning Using Standing Surface Acoustic Waves. <i>ACS Nano</i> , 2013, 7, 3306-3314.	14.6	142
27	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
28	An integrated, multiparametric flow cytometry chip using microfluidic drifting-based three-dimensional hydrodynamic focusing. <i>Biomicrofluidics</i> , 2012, 6, 24113-241139.	2.4	102
29	Mechanically Tuning the Localized Surface Plasmon Resonances of Gold Nanostructure Arrays. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2012, 3, .	0.8	3
30	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
31	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
32	A Droplet-Based, Optofluidic Device for High-Throughput, Quantitative Bioanalysis. <i>Analytical Chemistry</i> , 2012, 84, 10745-10749.	6.5	55
33	Fabrication and Characterization of Beaded SiC Quantum Rings with Anomalous Red Spectral Shift. <i>Advanced Materials</i> , 2012, 24, 5598-5603.	21.0	65
34	Single-step holographic fabrication of large-area periodically corrugated metal films. <i>Journal of Applied Physics</i> , 2012, 112, 113101.	2.5	5
35	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
36	High contrast modulation of plasmonic signals using nanoscale dual-frequency liquid crystals. <i>Optics Express</i> , 2011, 19, 15265.	3.4	25

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37	Annular aperture array based color filter. Applied Physics Letters, 2011, 99, .	3.3	99
38	Nanoscale super-resolution imaging via a metal-dielectric metamaterial lens system. Journal Physics D: Applied Physics, 2011, 44, 415101.	2.8	15
39	Frequency-addressed tunable transmission in optically thin metallic nanohole arrays with dual-frequency liquid crystals. Journal of Applied Physics, 2011, 109, 084340.	2.5	26
40	Characterization of complementary patterned metallic membranes produced simultaneously by a dual fabrication process. Applied Physics Letters, 2010, 97, .	3.3	23
41	Beam bending via plasmonic lenses. Optics Express, 2010, 18, 23458.	3.4	58
42	Subwavelength imaging with anisotropic structure comprising alternately layered metal and dielectric films. Optics Express, 2008, 16, 4217.	3.4	63
43	Demagnifying super resolution imaging based on surface plasmon structures. Optics Express, 2008, 16, 5427.	3.4	4
44	Super resolution imaging by compensating oblique lens with metallodielectric films. Optics Express, 2008, 16, 5697.	3.4	11
45	Sub-diffraction-limited interference photolithography with metamaterials. Optics Express, 2008, 16, 13579.	3.4	65