

# Liying Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

980  
citations

567281

15  
h-index

454955

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1419  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustofluidics-manipulated triple-emission fluorescent nanoprobe aggregates with multicolor-variation for colorimetric quantitative assay. <i>Chemical Engineering Journal</i> , 2022, 441, 135976.	12.7	9
2	Integrated ratiometric fluorescence probe-based acoustofluidic platform for visual detection of anthrax biomarker. <i>Biosensors and Bioelectronics</i> , 2022, 214, 114538.	10.1	15
3	Acoustoelectronic nanotweezers enable dynamic and large-scale control of nanomaterials. <i>Nature Communications</i> , 2021, 12, 3844.	12.8	22
4	Intrinsic Raman signal amplification for rapid identification and detection of methylglyoxal in manuka honey. <i>Analytica Chimica Acta</i> , 2021, 1181, 338902.	5.4	0
5	Monitoring allergic reaction to penicillin based on ultrasensitive detection of penicilloyl protein using alkyne response SERS immunosensor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 206, 114377.	2.8	6
6	A multimer-based SERS aptasensor for highly sensitive and homogeneous assay of carcinoembryonic antigens. <i>Analyst</i> , The, 2021, 146, 3016-3024.	3.5	12
7	A chemometric modeling-free near infrared barcode strategy for smart authentication and geographical origin discrimination of Chinese ginseng. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 226, 117555.	3.9	16
8	Specific and visual assay of iodide ion in human urine via redox pretreatment using ratiometric fluorescent test paper printed with dimer DNA silver nanoclusters and carbon dots. <i>Analytica Chimica Acta</i> , 2020, 1138, 99-107.	5.4	12
9	Base amount-dependent fluorescence enhancement for the assay of vascular endothelial growth factor 165 in human serum using hairpin DNA-silver nanoclusters and oxidized carbon nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 629.	5.0	3
10	Salt-induced gold nanoparticles aggregation lights up fluorescence of DNA-silver nanoclusters to monitor dual cancer markers carcinoembryonic antigen and carbohydrate antigen 125. <i>Analytica Chimica Acta</i> , 2020, 1125, 41-49.	5.4	41
11	Ratiometric fluorescent test pen filled with a mixing ink of carbon dots and CdTe quantum dots for portable assay of silver ion on paper. <i>Mikrochimica Acta</i> , 2020, 187, 391.	5.0	11
12	A Cell-Phone-Based Acoustofluidic Platform for Quantitative Point-of-Care Testing. <i>ACS Nano</i> , 2020, 14, 3159-3169.	14.6	36
13	A split aptamer-labeled ratiometric fluorescent biosensor for specific detection of adenosine in human urine. <i>Mikrochimica Acta</i> , 2019, 186, 43.	5.0	17
14	Toward rapid analysis, forecast and discovery of bioactive compounds from herbs by jointly using thin layer chromatography and ratiometric surface-enhanced Raman spectroscopy technique. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 153, 9-15.	2.8	10
15	Profuse color-evolution-based fluorescent test paper sensor for rapid and visual monitoring of endogenous Cu <sup>2+</sup> in human urine. <i>Biosensors and Bioelectronics</i> , 2018, 99, 332-337.	10.1	73
16	Colorimetric and visual detection of mercury(II) based on the suppression of the interaction of dithiothreitol with agar-stabilized silver-coated gold nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 357.	5.0	19
17	Silver nanoparticles/activated carbon composite as a facile SERS substrate for highly sensitive detection of endogenous formaldehyde in human urine by catalytic reaction. <i>Talanta</i> , 2018, 188, 630-636.	5.5	13
18	A general method to regenerate arrayed gold microelectrodes for label-free cell assay. <i>Analytical Biochemistry</i> , 2017, 516, 57-60.	2.4	10

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19	Ehrlich Reaction Evoked Multiple Spectral Resonances and Gold Nanoparticle Hotspots for Raman Detection of Plant Hormone. <i>Analytical Chemistry</i> , 2017, 89, 8836-8843.	6.5	26
20	Color-Multiplexing-Based Fluorescent Test Paper: Dosage-Sensitive Visualization of Arsenic(III) with Discernable Scale as Low as 5 ppb. <i>Analytical Chemistry</i> , 2016, 88, 6105-6109.	6.5	145
21	A single dual-emissive nanofluorophore test paper for highly sensitive colorimetry-based quantification of blood glucose. <i>Biosensors and Bioelectronics</i> , 2016, 86, 530-535.	10.1	67
22	Label-free surface-enhanced Raman scattering strategy for rapid detection of penicilloic acid in milk products. <i>Food Chemistry</i> , 2016, 197, 723-729.	8.2	32
23	Derivation and High Engraftment of Patient-Specific Cardiomyocyte Sheet Using Induced Pluripotent Stem Cells Generated From Adult Cardiac Fibroblast. <i>Circulation: Heart Failure</i> , 2015, 8, 156-166.	3.9	81
24	Discrimination of sibutramine and its analogues based on surface-enhanced Raman spectroscopy and chemometrics: toward the rapid detection of synthetic anorexic drugs in natural slimming products. <i>RSC Advances</i> , 2015, 5, 5886-5894.	3.6	7
25	Ligand Replacement Approach to Raman-Responded Molecularly Imprinted Monolayer for Rapid Determination of Penicilloic Acid in Penicillin. <i>Analytical Chemistry</i> , 2015, 87, 11763-11770.	6.5	11
26	Aminopyrine Raman spectral features characterised by experimental and theoretical methods: toward rapid SERS detection of synthetic antipyretic analgesic drug in traditional Chinese medicine. <i>Analytical Methods</i> , 2014, 6, 5925.	2.7	14
27	Molecularly imprinted layer-coated hollow polysaccharide microcapsules toward gate-controlled release of water-soluble drugs. <i>RSC Advances</i> , 2014, 4, 26063.	3.6	26
28	Structure-selective hot-spot Raman enhancement for direct identification and detection of trace penicilloic acid allergen in penicillin. <i>Biosensors and Bioelectronics</i> , 2014, 58, 165-171.	10.1	42
29	Molecularly imprinted layer-coated silica nanoparticle sensors with guest-induced fluorescence enhancement: theoretical prediction and experimental observation. <i>Analytical Methods</i> , 2013, 5, 3009.	2.7	8
30	Synthesis and Biological Evaluation of Asiatic Acid Derivatives as Inhibitors of Glycogen Phosphorylases. <i>Chemistry and Biodiversity</i> , 2009, 6, 864-874.	2.1	33
31	QSAR Modeling of the Blood-Brain Barrier Permeability for Diverse Organic Compounds. <i>Pharmaceutical Research</i> , 2008, 25, 1902-1914.	3.5	163