Mei Liu

List of Publications by Year
in descending order

31 papers	563 citations	623734 14 h-index	642732 23 g-index
31 all docs	31 docs citations	31 times ranked	814 citing authors

#	Article	IF	Citations
1	Homogeneous fluorescence-based immunoassay via inner filter effect of gold nanoparticles on fluorescence of CdTe quantum dots. Analyst, The, 2012, 137, 3293.	3.5	60
2	Mannose-Modificated Polyethylenimine: A Specific and Effective Antibacterial Agent against Escherichia coli. Langmuir, 2018, 34, 1574-1580.	3.5	48
3	Aptamer biorecognition-triggered hairpin switch and nicking enzyme assisted signal amplification for ultrasensitive colorimetric bioassay of kanamycin in milk. Food Chemistry, 2021, 339, 128059.	8.2	40
4	One-Step and One-Precursor Hydrothermal Synthesis of Carbon Dots with Superior Antibacterial Activity. ACS Applied Bio Materials, 2020, 3, 7095-7102.	4.6	39
5	A colorimetric aptamer biosensor based on cationic polythiophene derivative as peroxidase mimetics for the ultrasensitive detection of thrombin. Talanta, 2017, 175, 224-228.	5.5	36
6	Metabolic engineering of Bacillus subtilis for redistributing the carbon flux to 2,3-butanediol by manipulating NADH levels. Biotechnology for Biofuels, 2015, 8, 129.	6.2	32
7	A fluorometric aptamer-based assay for ochratoxin A by using exonuclease III-assisted recycling amplification. Mikrochimica Acta, 2020, 187, 46.	5.0	29
8	Label-free fluorescent assay of T4 polynucleotide kinase phosphatase activity based on G-quadruplexeâ^'thioflavin T complex. Talanta, 2017, 165, 653-658.	5.5	24
9	One-step synthesis of mannose-modified polyethyleneimine copolymer particles as fluorescent probes for the detection of Escherichia coli. Sensors and Actuators B: Chemical, 2019, 280, 171-176.	7.8	24
10	Anionic polythiophene derivative as peroxidase mimetics and their application for detection of hydrogen peroxide and glucose. Talanta, 2013, 115, 837-841.	5.5	22
11	Molecular imprinting-chemiluminescence determination of trimethoprim using trimethoprim-imprinted polymer as recognition material. Analyst, The, 2005, 130, 1032.	3.5	18
12	Conjugated polyelectrolytes-initiated chemiluminescence: A biosensing platform for label-free and homogeneous DNA detection. Biosensors and Bioelectronics, 2013, 47, 26-31.	10.1	18
13	G-triplex molecular beaconâ€'based fluorescence biosensor for sensitive detection of small molecule-protein interaction via exonuclease IIIâ€'assisted recycling amplification. Sensors and Actuators B: Chemical, 2020, 310, 127804.	7.8	16
14	A label-free visual aptasensor for zearalenone detection based on target-responsive aptamer-cross-linked hydrogel and color change of gold nanoparticles. Food Chemistry, 2022, 389, 133078.	8.2	16
15	Molecular imprintingâ€"chemiluminescence sensor for the determination of brucine. Analytica Chimica Acta, 2005, 541, 97-102.	5.4	15
16	DNAzyme-powered DNA walking machine for ultrasensitive fluorescence aptasensing of kanamycin. Mikrochimica Acta, 2020, 187, 678.	5.0	15
17	Rapid and enzyme-free signal amplification for fluorescent detection of microRNA via localized catalytic hairpin assembly on gold nanoparticles. Talanta, 2022, 242, 123142.	5.5	15
18	Determination of Morphine by Molecular Imprinting-Chemiluminescence Method. Journal of Analytical Toxicology, 2005, 29, 528-532.	2.8	13

#	Article	IF	Citations
19	Light-accelerating oxidase-mimicking activity of black phosphorus quantum dots for colorimetric detection of acetylcholinesterase activity and inhibitor screening. Analyst, The, 2020, 145, 8022-8029.	3.5	13
20	Chemiluminescence determination of trimetazidine via inducing the aggregation of gold nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 114, 33-37.	3.9	12
21	Ratiometric fluorometric determination of mercury(II) by exploiting its quenching effect on glutathione-stabilized and tetraphenylporphyrin modified gold nanoclusters. Mikrochimica Acta, 2019, 186, 307.	5.0	12
22	Parallel [TG(GA)₃]_n-homoduplexes/thioflavin T: an intense and stable fluorescent indicator for label-free biosensing. Analyst, The, 2020, 145, 286-294.	3.5	10
23	A simple â€œturn-onâ€•fluorescent biosensor for sensitive detection of exonuclease III activity through photoinduced electron transfer and self-hybridization of a DNA probe. Analytical Methods, 2018, 10, 2257-2262.	2.7	8
24	Construction of a specific and efficient antibacterial agent against Pseudomonas aeruginosa based on polyethyleneimine cross-linked fucose. Journal of Materials Science, 2021, 56, 6083-6094.	3.7	7
25	Detection of DNA hybridization using a cationic polyfluorene polymer as an enhancer of luminol chemiluminescence. Mikrochimica Acta, 2016, 183, 897-903.	5.0	6
26	Antimicrobial resistance analysis and whole-genome sequencing of Salmonella enterica serovar Indiana isolate from ducks. Journal of Global Antimicrobial Resistance, 2022, 28, 78-83.	2.2	4
27	Ratiometric fluorescent probe: a sensitive and reliable reporter for the CRISPR/Cas12a-based biosensing platform. Analyst, The, 2022, 147, 2567-2574.	3.5	4
28	Construction of a fluorescence biosensor for ochratoxin A based on magnetic beads and exonuclease III-assisted DNA cycling signal amplification. Analytical Methods, 2022, 14, 734-740.	2.7	3
29	Transverse Asymmetry of the Index Modulation Profile in Few-Mode Fiber Bragg Grating. Photonics, 2021, 8, 87.	2.0	2
30	Identification and validation of novel C/EBPbeta-regulated genes in preadipocyte proliferation. Chinese Medical Journal, 2010, 123, 1190-4.	2.3	2
31	Determination of Triprolidine Hydrochloride in Capsules and Binding Study of Triprolidine Hydrochloride to Serum Albumins with Chemiluminescence Method. Spectroscopy Letters, 2015, 48, 343-350.	1.0	0