

# Wei Jiang

## List of Publications by Year in descending order

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37  
papers

976  
citations

471509

17  
h-index

434195

31  
g-index

37  
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37  
docs citations

37  
times ranked

1422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical aptasensors for quantitative detection of small biomolecules: A review. <i>Biosensors and Bioelectronics</i> , 2014, 59, 64-74.	10.1	253
2	An interparticle relatively motional DNA walker and its sensing application. <i>Chemical Science</i> , 2020, 11, 7415-7423.	7.4	68
3	Label-free fluorescence dual-amplified detection of adenosine based on exonuclease III-assisted DNA cycling and hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , 2015, 70, 15-20.	10.1	59
4	Selective and sensitive mercuric (ii) ion detection based on quantum dots and nicking endonuclease assisted signal amplification. <i>Biosensors and Bioelectronics</i> , 2013, 43, 84-87.	10.1	47
5	Toehold-mediated strand displacement reaction triggered isothermal DNA amplification for highly sensitive and selective fluorescent detection of single-base mutation. <i>Biosensors and Bioelectronics</i> , 2014, 59, 276-281.	10.1	40
6	Liposome-encoded magnetic beads initiated by padlock exponential rolling circle amplification for portable and accurate quantification of microRNAs. <i>Chemical Communications</i> , 2017, 53, 10772-10775.	4.1	38
7	Highly selective and sensitive detection of miRNA based on toehold-mediated strand displacement reaction and DNA tetrahedron substrate. <i>Biosensors and Bioelectronics</i> , 2015, 71, 401-406.	10.1	35
8	An ultrasensitive fluorescence assay for protein detection by hybridization chain reaction-based DNA nanotags. <i>Biosensors and Bioelectronics</i> , 2014, 51, 421-425.	10.1	31
9	A DNA walker powered by endogenous enzymes for imaging uracil-DNA glycosylase activity in living cells. <i>Chemical Communications</i> , 2019, 55, 6026-6029.	4.1	30
10	Rapid determination of gatifloxacin in biological samples and pharmaceutical products using europium-sensitized fluorescence spectrophotometry. <i>Luminescence</i> , 2008, 23, 7-13.	2.9	28
11	Label-free molecular beacon-based quadratic isothermal exponential amplification: a simple and sensitive one-pot method to detect DNA methyltransferase activity. <i>Chemical Communications</i> , 2015, 51, 13538-13541.	4.1	26
12	Binding induced colocalization activated hybridization chain reaction on the surface of magnetic nanobead for sensitive detection of adenosine. <i>Biosensors and Bioelectronics</i> , 2016, 86, 966-970.	10.1	23
13	Fluorescence Determination of DNA Using the Gatifloxacin-Europium(III) Complex. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 1607-1611.	5.2	19
14	Multi-code magnetic beads based on DNAzyme-mediated double-cycling amplification for a point-of-care assay of telomerase activity. <i>Analyst</i> , 2019, 144, 4241-4249.	3.5	19
15	Hairpin assembly circuit-based fluorescence cooperative amplification strategy for enzyme-free and label-free detection of small molecule. <i>Talanta</i> , 2015, 143, 101-106.	5.5	18
16	Luminescence enhancement effect for the determination of balofloxacin with balofloxacin-Europium(III)-sodium dodecylbenzene sulfonate system. <i>Journal of Luminescence</i> , 2009, 129, 90-94.	3.1	17
17	Aptamer-based exonuclease protection and enzymatic recycling cleavage amplification homogeneous assay for the highly sensitive detection of thrombin. <i>Analyst</i> , 2014, 139, 3167.	3.5	17
18	Application of an ultrahigh-performance liquid chromatography coupled to quadrupole-orbitrap high-resolution mass spectrometry for the rapid screening, identification and quantification of illegal adulterated glucocorticoids in herbal medicines. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1038, 34-42.	2.3	16

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19	The co-luminescence effect of a europium (III)-lanthanum (III)-gatifloxacin-sodium dodecylbenzene sulfonate system and its application for the determination of trace amount of europium (III). <i>Journal of Luminescence</i> , 2010, 130, 591-597.	3.1	15
20	A multicolor DNA tetrahedron nanoprobe for analyzing human telomerase in living cells. <i>Chemical Communications</i> , 2021, 57, 2188-2191.	4.1	15
21	Multifunctional aptamer probe mediated cascade amplification for label-free detection of adenosine. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 581-586.	7.8	14
22	Self-locked aptamer probe mediated cascade amplification strategy for highly sensitive and selective detection of protein and small molecule. <i>Analytica Chimica Acta</i> , 2016, 940, 1-7.	5.4	13
23	Sensitive and selective detection of the p53 gene based on a triple-helix magnetic probe coupled to a fluorescent liposome hybridization assembly via rolling circle amplification. <i>Analyst, The</i> , 2017, 142, 3598-3604.	3.5	13
24	Uracil removal-inhibited ligase reaction in combination with catalytic hairpin assembly for the sensitive and specific detection of uracil-DNA glycosylase activity. <i>Analyst, The</i> , 2017, 142, 4655-4660.	3.5	13
25	A bicyclo-hairpin probe mediated strand displacement amplification strategy for label-free and sensitive detection of bleomycin. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 318-324.	7.8	13
26	Sensitive detection of formamidopyrimidine-DNA glycosylase activity based on target-induced self-primed rolling circle amplification and magnetic nanoprobe. <i>Analyst, The</i> , 2018, 143, 1593-1598.	3.5	13
27	Quantitative detection of tumor necrosis factor- $\alpha$ by single molecule counting based on a hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , 2014, 60, 180-184.	10.1	11
28	Target-controlled gating liposome "on-off" cascade amplification for sensitive and accurate detection of phospholipase D in breast cancer cells with a low-background signal. <i>Chemical Communications</i> , 2016, 52, 10660-10663.	4.1	11
29	Visualizing the endocytosis of phenylephrine in living cells by quantum dot-based tracking. <i>Biomaterials</i> , 2014, 35, 7042-7049.	11.4	10
30	Synthesis of a quinazoline derivative: A new $\beta$ -1-adrenoceptor ligand for conjugation to quantum dots to study $\beta$ -1-adrenoceptors in living cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5905-5909.	2.2	8
31	A target triggered proximity combination-based fluorescence sensing strategy for adenosine detection. <i>Analyst, The</i> , 2017, 142, 2247-2252.	3.5	8
32	A bimolecular i-motif mediated FRET strategy for imaging protein homodimerization on a living tumor cell surface. <i>Chemical Communications</i> , 2020, 56, 13405-13408.	4.1	8
33	Spectrofluorimetric Determination of Trace Amounts of Europium(III) Ion with Lutetium(III)-Sparfloxacin-Sodium Dodecyl Sulfate Luminescence Enhancement System. <i>Analytical Sciences</i> , 2004, 20, 1237-1239.	1.6	7
34	Fluorescence single-molecule counting assays for protein quantification using epi-fluorescence microscopy with quantum dots labeling. <i>Analytica Chimica Acta</i> , 2010, 662, 170-176.	5.4	7
35	Rapid europium-sensitized fluorescent determination of ulifloxacin, the active metabolite of prulifloxacin, in human serum and urine. <i>Journal of Pharmaceutical Analysis</i> , 2011, 1, 46-50.	5.3	5
36	DNA quantification based on FRET realized by combination with surfactant CPB. <i>Talanta</i> , 2010, 81, 597-601.	5.5	4

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37	Solid phase single-molecule counting of antibody binding to supported protein layers surface with low nonspecific adsorption. <i>Talanta</i> , 2010, 82, 1003-1009.	5.5	4