

Wei Jiang

List of Publications by Year in descending order

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39
papers

694
citations

623734

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580821

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40
docs citations

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times ranked

1000
citing authors

#	ARTICLE	IF	CITATIONS
1	A Smart DNA Tweezer for Detection of Human Telomerase Activity. <i>Analytical Chemistry</i> , 2018, 90, 3521-3530.	6.5	72
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	MnO ₂ nanosheet-mediated ratiometric fluorescence biosensor for MicroRNA detection and imaging in living cells. <i>Analytica Chimica Acta</i> , 2019, 1063, 152-158.	5.4	46
5	Multiplexed Detection of Cytokines Based on Dual Bar-Code Strategy and Single-Molecule Counting. <i>Analytical Chemistry</i> , 2016, 88, 1578-1584.	6.5	43
6	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
7	Endogenous Stimuli-Responsive Nucleus-Targeted Nanocarrier for Intracellular mRNA Imaging and Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39524-39531.	8.0	29
8	Electrospun porous CuO@Ag nanofibers for quantitative sensitive SERS detection. <i>CrystEngComm</i> , 2013, 15, 1339.	2.6	24
9	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
10	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
11	Determination of trace europium by use of the new fluorescence system europium?sparfloxacin?1,10-phenanthroline?sodium dodecyl sulfate. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 681-684.	3.7	16
12	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
13	A Label-Free and Sensitive Fluorescent Qualitative Assay for Bisphenol A Based on Rolling Circle Amplification/Exonuclease III-Combined Cascade Amplification. <i>Nanomaterials</i> , 2016, 6, 190.	4.1	15
14	Multifunctional Molecular Beacons-Modified Gold Nanoparticle as a Nanocarrier for Synergistic Inhibition and in Situ Imaging of Drug-Resistant-Related mRNAs in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35548-35555.	8.0	15
15	A multicolor DNA tetrahedron nanoprobe for analyzing human telomerase in living cells. <i>Chemical Communications</i> , 2021, 57, 2188-2191.	4.1	15
16	A track-regenerated DNA walker: Construction and its derived sensing application. <i>Sensors and Actuators B: Chemical</i> , 2020, 314, 128053.	7.8	14
17	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
18	The europium/samarium-2-benzoyl-indane-1,3-dione-cetyltrimethylammonium bromide fluorescence system and its analytical application. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 360, 731-734.	1.5	12

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19	Model-Guided Interface Probe Arrangement for Sensitive Protein Detection. <i>Analytical Chemistry</i> , 2016, 88, 9885-9889.	6.5	12
20	Derivative spectrophotometric determination of holmium in rare earth mixtures with 2-(diphenylacetyl)indan-1,3-dione and octylphenyl poly(ethyleneglycol) ether. <i>Mikrochimica Acta</i> , 1997, 126, 251-255.	5.0	11
21	Quantitative detection of tumor necrosis factor- α by single molecule counting based on a hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , 2014, 60, 180-184.	10.1	11
22	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
23	Fluorescence Enhancement of Rare Earths by Yttrium and its Application. <i>Analytical Letters</i> , 1994, 27, 1183-1191.	1.8	10
24	Visualizing the endocytosis of phenylephrine in living cells by quantum dot-based tracking. <i>Biomaterials</i> , 2014, 35, 7042-7049.	11.4	10
25	Light-Regulated Nanofluidic Ionic Diodes with Heterogeneous Channels Stemming from Asymmetric Growth of Metal-Organic Frameworks. <i>Analytical Chemistry</i> , 2022, 94, 4328-4334.	6.5	10
26	Selective determination of neodymium and erbium in mixtures with other lanthanides by second-derivative spectrophotometry of complexes with benzoyl-indan-1,3-dione and cetylpyridinium chloride. <i>Mikrochimica Acta</i> , 1997, 127, 71-75.	5.0	9
27	Ultrasensitive and Accurate Assay of Human Methyltransferase Activity at the Single-Cell Level Based on a Single Integrated Magnetic Microprobe. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29554-29561.	8.0	9
28	Light-Controlled Ionic/Molecular Transport through Solid-State Nanopores and Nanochannels. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	9
29	MnO ₂ nanosheet-mediated target-binding-induced FRET strategy for multiplexed microRNAs detection and imaging in living cells. <i>Talanta</i> , 2021, 226, 122202.	5.5	8
30	Rapid Determination of Minocycline in Pharmaceutical Formulations and Human Urine/Serum Samples Based on the Minocycline-Europium-Sodium Dodecylbenzene Sulfonate Luminescence System. <i>Analytical Letters</i> , 2009, 42, 228-242.	1.8	7
31	Sensitive determination of bisphenol A based on Ag nanoparticles/polyguanine modified electrode. <i>Russian Journal of Electrochemistry</i> , 2017, 53, 132-139.	0.9	7
32	MNAzyme probes mediated DNA logic platform for microRNAs logic detection and cancer cell identification. <i>Analytica Chimica Acta</i> , 2021, 1149, 338213.	5.4	7
33	Determination of neodymium, holmium and erbium in mixed rare earths by norfloxacin. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 361, 821-824.	1.5	6
34	The dumbbell probe mediated triple cascade signal amplification strategy for sensitive and specific detection of uracil DNA glycosylase activity. <i>Talanta</i> , 2021, 234, 122680.	5.5	6
35	Study of the Fluorescence System of Europium-Enoxacin and its Applications. <i>Mikrochimica Acta</i> , 2002, 138, 19-22.	5.0	5
36	Absorption Spectra of the 4f Electron Transitions of the Praseodymium Complex with 1-Cyclopropyl-6-fluoro-1, 4-dihydro-7-(4-ethyl-1-piperazinyl)-4-oxo-3-quinoline Carboxylic Acid Hydrochloride and Its Analytical Application.. <i>Analytical Sciences</i> , 2001, 17, 1091-1094.	1.6	4

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37	Spectrofluorometric Determination of Trace Amounts of Terbium with 4-Chlorosalicylic Acid, EDTA, and Cetyltrimethylammonium Bromide. <i>Analytical Sciences</i> , 2003, 19, 923-925.	1.6	4
38	A functional DNA-modified dual-response gold nanoprobe for simultaneously imaging the acidic microenvironment and membrane proteins of tumor cells. <i>Talanta</i> , 2021, 229, 122284.	5.5	3
39	A primer extension activating 3D DNAzyme walker for in situ imaging and sensitive detection of telomerase activity. <i>Analyst</i> , 2022, 147, 1968-1975.	3.5	2