

Hui Wang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

904
citations

686830

13
h-index

580395

25
g-index

26
all docs

26
docs citations

26
times ranked

1200
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct and sensitive miRNA profiling from low-input total RNA. <i>Rna</i> , 2006, 13, 151-159.	1.6	266
2	CRISPR/Cas12a-Assisted Ligation-Initiated Loop-Mediated Isothermal Amplification (CAL-LAMP) for Highly Specific Detection of microRNAs. <i>Analytical Chemistry</i> , 2021, 93, 7942-7948.	3.2	99
3	Highly Sensitive and Specific Multiplexed MicroRNA Quantification Using Size-Coded Ligation Chain Reaction. <i>Analytical Chemistry</i> , 2014, 86, 1076-1082.	3.2	81
4	Ultrasensitive quantification of mature microRNAs by real-time PCR based on ligation of a ribonucleotide-modified DNA probe. <i>Chemical Communications</i> , 2011, 47, 9465.	2.2	64
5	Ultrasensitive detection of telomerase activity in a single cell using stem-loop primer-mediated exponential amplification (SPEA) with near zero nonspecific signal. <i>Chemical Science</i> , 2016, 7, 4945-4950.	3.7	56
6	A portable visual capillary sensor based on functional DNA crosslinked hydrogel for point-of-care detection of lead ion. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127625.	4.0	49
7	Rare Earth Ion Mediated Fluorescence Accumulation on a Single Microbead: An Ultrasensitive Strategy for the Detection of Protein Kinase Activity at the Single-Cell Level. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15186-15190.	7.2	43
8	A three-way junction structure-based isothermal exponential amplification strategy for sensitive detection of 3'-terminal 2'-O-methylated plant microRNA. <i>Chemical Communications</i> , 2017, 53, 1124-1127.	2.2	32
9	A homogeneous fluorescence sensing platform with water-soluble carbon nanoparticles for detection of microRNA and nuclease activity. <i>Analyst</i> , 2012, 137, 3667.	1.7	31
10	Highly sensitive and multiplexed quantification of mRNA splice variants by the direct ligation of DNA probes at the exon junction and universal PCR amplification. <i>Chemical Science</i> , 2017, 8, 3635-3640.	3.7	29
11	Capillarity self-driven DNA hydrogel sensor for visual quantification of microRNA. <i>Sensors and Actuators B: Chemical</i> , 2020, 313, 128036.	4.0	26
12	An enzyme-free signal amplification strategy for sensitive detection of microRNA via catalyzed hairpin assembly. <i>Analytical Methods</i> , 2014, 6, 9477-9482.	1.3	24
13	Digital quantitative analysis of microRNA in single cell based on ligation-dependent polymerase colony (Polony). <i>Biosensors and Bioelectronics</i> , 2017, 95, 146-151.	5.3	17
14	Visual Detection of Fusion Genes by Ligation-Triggered Isothermal Exponential Amplification: A Point-of-Care Testing Method for Highly Specific and Sensitive Quantitation of Fusion Genes with a Smartphone. <i>Analytical Chemistry</i> , 2019, 91, 12428-12434.	3.2	14
15	Ultrasensitive detection of site-specific DNA methylation by loop-mediated isothermal amplification. <i>Analytical Methods</i> , 2016, 8, 5372-5377.	1.3	10
16	Enzyme-free and multiplexed microRNA detection using microRNA-initiated DNA molecular motor. <i>Science China Chemistry</i> , 2016, 59, 83-88.	4.2	9
17	A general strategy for highly sensitive analysis of genetic biomarkers at single-base resolution with ligase-based isothermally exponential amplification. <i>Talanta</i> , 2020, 212, 120754.	2.9	8
18	Ultrasensitive multiplexed detection of miRNA targets of interest based on encoding probe extension in improved cDNA library. <i>Analytica Chimica Acta</i> , 2021, 1152, 338281.	2.6	8

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19	Ultrasensitive genotyping with target-specifically generated circular DNA templates and RNA FRET probes. <i>Chemical Communications</i> , 2015, 51, 11556-11559.	2.2	7
20	Sensitive detection of tumor cells based on aptamer recognition and isothermal exponential amplification. <i>RSC Advances</i> , 2016, 6, 89888-89894.	1.7	7
21	A label-free aptamer-based biosensor for microRNA detection by the RNA-regulated fluorescence of malachite green. <i>RSC Advances</i> , 2019, 9, 32906-32910.	1.7	7
22	One-Step Quantitative Single Nucleotide Polymorphism (SNP) Diagnosis By Modified Loop-Mediated Isothermal Amplification (mLAMP). <i>ChemistrySelect</i> , 2019, 4, 1423-1427.	0.7	5
23	Ultrasensitive quantification of multiplexed mRNA variants via splice-junction anchored DNA probes and SplintR ligase-initiated PCR. <i>Chemical Communications</i> , 2021, 57, 10011-10014.	2.2	5
24	Ultrasensitive homogeneous detection of microRNAs in a single cell with specifically designed exponential amplification. <i>Chemical Communications</i> , 2021, 57, 5570-5573.	2.2	5
25	One-pot detection of telomerase activity with high sensitivity and specificity via RNA FRET probes and RNase H-assisted signal cycling amplification. <i>RSC Advances</i> , 2019, 9, 14817-14821.	1.7	1
26	Light Scattering Technology-Combined Ligation-Dependent Loop-Mediated Isothermal Amplification (LL-LAMP) for Sensitive Detection of RNA. <i>ACS Omega</i> , 0, , .	1.6	1