

# Bingjie Zou

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

705  
citations

516710

16  
h-index

610901

24  
g-index

62  
all docs

62  
docs citations

62  
times ranked

899  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasensitive DNA Detection by Cascade Enzymatic Signal Amplification Based on Afl Flap Endonuclease Coupled with Nicking Endonuclease. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7395-7398.	13.8	92
2	A Pharmacometabonomic Approach To Predicting Metabolic Phenotypes and Pharmacokinetic Parameters of Atorvastatin in Healthy Volunteers. <i>Journal of Proteome Research</i> , 2015, 14, 3970-3981.	3.7	36
3	Visualized detection of single-base difference in multiplexed loop-mediated isothermal amplification amplicons by invasive reaction coupled with oligonucleotide probe-modified gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017, 90, 388-393.	10.1	35
4	Flap Endonuclease 1-Assisted DNA Walkers for Sensitively and Specifically Sensing ctDNAs. <i>Analytical Chemistry</i> , 2021, 93, 9593-9601.	6.5	34
5	Sensitive and specific colorimetric DNA detection by invasive reaction coupled with nicking endonuclease-assisted nanoparticles amplification. <i>Biosensors and Bioelectronics</i> , 2015, 66, 50-54.	10.1	32
6	Detection of influenza viruses by coupling multiplex reverse-transcription loop-mediated isothermal amplification with cascade invasive reaction using nanoparticles as a sensor. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2645-2656.	6.7	28
7	Closed-Tube PCR with Nested Serial Invasion Probe Visualization Using Gold Nanoparticles. <i>Clinical Chemistry</i> , 2017, 63, 852-860.	3.2	26
8	Invasive reaction assisted strand-displacement signal amplification for sensitive DNA detection. <i>Chemical Communications</i> , 2014, 50, 13722-13724.	4.1	25
9	Exponential amplification of DNA with very low background using graphene oxide and single-stranded binding protein to suppress non-specific amplification. <i>Mikrochimica Acta</i> , 2015, 182, 1095-1101.	5.0	25
10	An alternative novel tool for DNA editing without target sequence limitation: the structure-guided nuclease. <i>Genome Biology</i> , 2016, 17, 186.	8.8	23
11	Integrative analyses of scRNA-seq and scATAC-seq reveal CXCL14 as a key regulator of lymph node metastasis in breast cancer. <i>Human Molecular Genetics</i> , 2021, 30, 370-380.	2.9	22
12	Multiplex detection of blood-borne pathogens on a self-driven microfluidic chip using loop-mediated isothermal amplification. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2923-2931.	3.7	21
13	Point-of-care DNA testing by automatically and sequentially performing extraction, amplification and identification in a closed-type cassette. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128919.	7.8	19
14	Highly sensitive and specific real-time PCR by employing serial invasive reaction as a sequence identifier for quantifying EGFR mutation abundance in cfDNA. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6751-6759.	3.7	18
15	Signal amplification by rolling circle amplification on universal flaps yielded from target-specific invasive reaction. <i>Analyst</i> , The, 2012, 137, 729-734.	3.5	17
16	Digital quantification of gene methylation in stool DNA by emulsion-PCR coupled with hydrogel immobilized bead-array. <i>Biosensors and Bioelectronics</i> , 2017, 92, 596-601.	10.1	17
17	Multiplex Reverse-Transcription Loop-Mediated Isothermal Amplification Coupled with Cascade Invasive Reaction and Nanoparticle Hybridization for Subtyping of Influenza A Virus. <i>Scientific Reports</i> , 2017, 7, 44924.	3.3	16
18	Circulating tumour cells at baseline and late phase of treatment provide prognostic value in breast cancer. <i>Scientific Reports</i> , 2021, 11, 13441.	3.3	15

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19	Postsynthetic Modification of the Magnetic Zirconium-Organic Framework for Efficient and Rapid Solid-Phase Extraction of DNA. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50309-50318.	8.0	15
20	Pyrosequencing-based barcodes for a dye-free multiplex bioassay. <i>Chemical Communications</i> , 2012, 48, 2445.	4.1	13
21	Invader Assisted Enzyme-Linked Immunosorbent Assay for Colorimetric Detection of Disease Biomarkers Using Oligonucleotide Probe-Modified Gold Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 831-839.	1.1	13
22	Multiplex Visualized Closed-Tube PCR with Hamming Distance 2 Code for 15 HPV Subtype Typing. <i>Analytical Chemistry</i> , 2021, 93, 5529-5536.	6.5	12
23	Dye-Free MicroRNA Quantification by Using Pyrosequencing with a Sequence-Tagged Stem-loop RT Primer. <i>ChemBioChem</i> , 2011, 12, 845-849.	2.6	11
24	Digital Nucleic Acid Signal Amplification Platform for Highly Sensitive DNA Mutation Analysis. <i>Analytical Chemistry</i> , 2022, 94, 3858-3864.	6.5	11
25	Improvement of LATE-PCR to allow single-cell analysis by pyrosequencing. <i>Analyst, The</i> , 2013, 138, 4991.	3.5	10
26	Signal amplification of microRNAs with modified strand displacement-based cycling probe technology. <i>Analyst, The</i> , 2016, 141, 6297-6302.	3.5	10
27	An internal amplification control for quantitative nucleic acid analysis using nanoparticle-based dipstick biosensors. <i>Biosensors and Bioelectronics</i> , 2013, 42, 261-266.	10.1	9
28	Predicting Pharmacokinetics Variation of Faropenem Using a Pharmacometabonomic Approach. <i>Journal of Proteome Research</i> , 2020, 19, 119-128.	3.7	8
29	Ultra-sensitive and multiplex digital-PCR for quantifying the mutants in cell free DNA by employing invasive reaction as identifier. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128362.	7.8	8
30	Prenatal diagnosis of trisomy 21 by quantitatively pyrosequencing heterozygotes using amniotic fluid as starting material of PCR. <i>Analyst, The</i> , 2013, 138, 2443.	3.5	6
31	A universal genotyping microarray constructed by ligating a universal fluorescence-probe with SNP-encoded flaps cleaved from multiplex invasive reactions. <i>Chemical Communications</i> , 2017, 53, 12922-12925.	4.1	6
32	DNA and RNA editing without sequence limitation using the flap endonuclease 1 guided by hairpin DNA probes. <i>Nucleic Acids Research</i> , 2020, 48, e117-e117.	14.5	6
33	Bacterial communities under long-term conventional and transgenic cotton farming systems using V3-V5 and V5-V9 of 16s rDNA. <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 618-628.	6.0	5
34	Sequence-encoded quantitative invader assay enables highly sensitive hepatitis B virus DNA quantification in a single tube without the use of a calibration curve. <i>Analyst, The</i> , 2019, 144, 5775-5784.	3.5	5
35	Predicting Range of Initial Warfarin Dose Based on Pharmacometabolomic and Genetic Inputs. <i>Clinical Pharmacology and Therapeutics</i> , 2021, 110, 1585-1594.	4.7	5
36	A pyrosequencing-based method for genotyping pathogenic serotypes of <i>S. suis</i> . <i>Analytical Methods</i> , 2011, 3, 2517.	2.7	4

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37	A simplified pyrosequencing protocol based on linear-after-the-exponential (LATE)-PCR using whole blood as the starting material directly. <i>Analytical Methods</i> , 2014, 6, 1384-1390.	2.7	4
38	Assessing Fungal Population in Soil Planted with Cry1Ac and CPTI Transgenic Cotton and Its Conventional Parental Line Using 18S and ITS rDNA Sequences over Four Seasons. <i>Frontiers in Plant Science</i> , 2016, 7, 1023.	3.6	4
39	Non-invasive prenatal detection of trisomy 21 by quantifying segmental duplication in maternal plasma with digital PCR. <i>Analytical Methods</i> , 2016, 8, 2138-2143.	2.7	4
40	Galectin-3 enhances trastuzumab resistance by regulating cancer malignancy and stemness in HER2-positive breast cancer cells. <i>Thoracic Cancer</i> , 2022, 13, 1961-1973.	1.9	4
41	Colorimetric Detection of DNA Sequences Using an Organic Solvent to Induce the Aggregation of Label-Free Gold Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 3805-3809.	0.9	3
42	DNA Detection by Cascade Enzymatic Signal Amplification. <i>Methods in Molecular Biology</i> , 2013, 1039, 131-137.	0.9	3
43	Lipid membrane anchoring and highly specific fluorescence detection of cancer-derived exosomes based on postfunctionalized zirconium-metal-organic frameworks. <i>Biochemical and Biophysical Research Communications</i> , 2022, 609, 69-74.	2.1	3
44	Multiplexed and Rapid AST for <i>Escherichia coli</i> Infection by Simultaneously Pyrosequencing Multiple Barcodes Each Specific to an Antibiotic Exposed to a Sample. <i>Analytical Chemistry</i> , 2022, 94, 8633-8641.	6.5	3
45	Specificity improvement of Invader assay by introducing an artificially mismatched base into the probe. <i>Analytical Methods</i> , 2015, 7, 9779-9784.	2.7	2
46	Multiplex-invasive reaction-assisted qPCR for quantitatively detecting the abundance of EGFR exon 19 deletions in cfDNA. <i>Analytical Methods</i> , 2020, 12, 3344-3350.	2.7	2
47	Integration analysis of metabolites and single nucleotide polymorphisms improves the prediction of drug response of celecoxib. <i>Metabolomics</i> , 2020, 16, 41.	3.0	2
48	Sensitive quantitation of ESR1 mutations in cell-free DNA from breast cancer patients using base-specific invasive reaction assisted qPCR. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 197, 113959.	2.8	2
49	Prenatal Diagnosis of Chromosomal Aneuploidies by Quantitative Pyrosequencing. <i>Methods in Molecular Biology</i> , 2015, 1315, 123-132.	0.9	2
50	Visualized Genotyping from Sample to Results Within 25 Minutes by Coupling Recombinase Polymerase Amplification (RPA) With Allele-Specific Invasive Reaction Assisted Gold Nanoparticle Probes Assembling. <i>Journal of Biomedical Nanotechnology</i> , 2022, 18, 394-404.	1.1	2
51	A Low-Cost Hydrogel Chip for SNP Typing by the Incorporation of Cy5-dCTP Into Label-Free Allele-Specific Probes Hybridizing to Gel-Immobilized Targets. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 6887-6892.	0.9	1
52	Multiplex PCR Based on a Universal Biotinylated Primer to Generate Templates for Pyrosequencing. <i>Springer Protocols</i> , 2016, , 67-76.	0.3	0
53	Genotyping of Pathogenic Serotypes of <i>S. suis</i> with Pyrosequencing. <i>Springer Protocols</i> , 2016, , 349-359.	0.3	0
54	A Simplified Protocol for Preparing Pyrosequencing Templates Based on LATE-PCR Using Whole Blood as Starting Material Directly. <i>Springer Protocols</i> , 2016, , 13-21.	0.3	0

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55	Using Polymerase Preference Index to Design imLATE-PCR Primers for an Efficient Pyrosequencing. Springer Protocols, 2016, , 155-166.	0.3	0
56	Genotyping of Alcohol Dehydrogenase Gene by Pyrosequencing Coupled with Improved LATE-PCR Using Human Whole Blood as Starting Material. Springer Protocols, 2016, , 381-389.	0.3	0
57	Prenatal Diagnosis of Trisomy 21 by Quantitatively Pyrosequencing Heterozygotes Using Amniotic Fluid as Starting Material of PCR. Springer Protocols, 2016, , 303-313.	0.3	0
58	Designing imLATE-PCR Primers Based on Polymerase Preference Index Enable Higher Efficient Pyrosequencing on Quantitative Genotyping and Gene Expression Analysis. Journal of Nanoscience and Nanotechnology, 2016, 16, 7151-7158.	0.9	0
59	Genotyping Technologies in Pharmacogenomics. , 2020, , 201-218.		0
60	Multiplex Detection of Viral DNAs in Blood by Colorimetrically Identifying Polymerase Chain Reaction Amplicons with Serial Invasive Reaction Assisted Gold Nanoparticle Probes Assembling. Journal of Nanoscience and Nanotechnology, 2020, 20, 6140-6147.	0.9	0