

# Chao Shi

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,101  
citations

430874

18  
h-index

434195

31  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1239  
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishment of a TaqMan-MGB probe multiplex real-time PCR system for one-step levofloxacin and clarithromycin resistant <i>Helicobacter pylori</i> detection. <i>Journal of Microbiological Methods</i> , 2022, 192, 106393.	1.6	3
2	Single-tube analysis for ultra-fast and visual detection of <i>Salmonella</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 2333-2341.	3.7	5
3	An ultra-fast, one-step RNA amplification method for the detection of <i>Salmonella</i> in seafood. <i>Analytical Methods</i> , 2022, 14, 1111-1116.	2.7	3
4	Performance Analysis of Novel Nucleic Acid Detection Kit for <i>Mycoplasma pneumoniae</i> . <i>Clinical Pediatrics</i> , 2022, 61, 330-334.	0.8	0
5	Electrical potential-assisted DNA-RNA hybridization for rapid microRNA extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 3529-3539.	3.7	3
6	An all-in-one nucleic acid enrichment and isothermal amplification platform for rapid detection of <i>Listeria monocytogenes</i> . <i>Food Control</i> , 2022, 139, 109096.	5.5	5
7	An ultrafast ratiometric electrochemical biosensor based on potential-assisted hybridization for nucleic acids detection. <i>Analytica Chimica Acta</i> , 2022, 1211, 339915.	5.4	9
8	Accelerated cycling PCR: A novel tool for rapid, sensitive and specific detection of single-nucleotide mutation within 30 min. <i>Journal of Microbiological Methods</i> , 2022, , 106527.	1.6	0
9	Multiplex Accelerated PCR System for One-Step <i>Helicobacter pylori</i> cagA Genotypes Detection: A Guide for Clinical Testing. <i>Current Microbiology</i> , 2022, 79, .	2.2	0
10	Detection of Epstein-Barr virus by a rapid and simple accelerated denaturation bubble-mediated strand exchange amplification method. <i>Analytical Methods</i> , 2021, 13, 2519-2526.	2.7	2
11	A simple methodology for RNA isolation from bacteria by integration of formamide extraction and chitosan-modified silica purification. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6469-6477.	3.7	5
12	Ultrafast bacterial cell lysis using a handheld corona treater and loop-mediated isothermal amplification for rapid detection of foodborne pathogens. <i>Food Control</i> , 2021, 128, 108178.	5.5	12
13	Ratiometric Electrochemical Biosensor for the Sensitive Determination of DNA by a Hairpin DNA Probe. <i>Analytical Letters</i> , 2021, 54, 2473-2483.	1.8	4
14	Nucleic acid extraction without electrical equipment via magnetic nanoparticles in Pasteur pipettes for pathogen detection. <i>Analytical Biochemistry</i> , 2021, 635, 114445.	2.4	11
15	Ultrasensitive electrochemical DNA biosensor based on a tetrahedral structure and proximity-dependent surface hybridization. <i>Analyst</i> , 2020, 145, 150-156.	3.5	16
16	An ultrasensitive electrochemical DNA sensing strategy free from pre-immobilization via G-quadruplex based homogenous proximity hybridization. <i>Talanta</i> , 2020, 210, 120628.	5.5	5
17	Accurate, rapid and low-cost diagnosis of <i>Mycoplasma pneumoniae</i> via fast narrow-thermal-cycling denaturation bubble-mediated strand exchange amplification. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 8391-8399.	3.7	16
18	Integrated silica membrane-based nucleic acid purification, amplification, and visualization platform for low-cost, rapid detection of foodborne pathogens. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6927-6938.	3.7	25

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19	A visual on-site method for African swine fever virus detection in raw pig tissues. <i>Journal of Food Safety</i> , 2020, 40, e12848.	2.3	0
20	Accelerated denaturation bubble-mediated strand exchange amplification for rapid and accurate detection of canine parvovirus. <i>Analytical Methods</i> , 2020, 12, 5514-5522.	2.7	6
21	A fully integrated hand-powered centrifugal microfluidic platform for ultra-simple and non-instrumental nucleic acid detection. <i>Talanta</i> , 2020, 219, 121221.	5.5	8
22	A novel isothermal detection method for the universal element of genetically modified soybean. <i>Biologia (Poland)</i> , 2020, 75, 2395-2402.	1.5	1
23	Development of a direct and visual isothermal method for meat adulteration detection in low resource settings. <i>Food Chemistry</i> , 2020, 319, 126542.	8.2	7
24	Rapid DNA detection and one-step RNA detection catalyzed by Bst DNA polymerase and narrow-thermal-cycling. <i>Analyst</i> , The, 2020, 145, 5118-5122.	3.5	12
25	Optimum Water and Fertilizer Management for Better Growth and Resource Use Efficiency of Rapeseed in Rainy and Drought Seasons. <i>Sustainability</i> , 2020, 12, 703.	3.2	10
26	Comparative Expression Profiling Reveals Genes Involved in Megasporogenesis. <i>Plant Physiology</i> , 2020, 182, 2006-2024.	4.8	14
27	Primer design strategy for denaturation bubble-mediated strand exchange amplification. <i>Analytical Biochemistry</i> , 2020, 593, 113593.	2.4	16
28	Highly sensitive visual detection of nucleic acid based on a universal strand exchange amplification coupled with lateral flow assay strip. <i>Talanta</i> , 2020, 216, 120978.	5.5	19
29	Detection of canine parvovirus and feline panleukopenia virus in fecal samples by strand exchange amplification. <i>Journal of Veterinary Diagnostic Investigation</i> , 2020, 32, 880-886.	1.1	2
30	Lab in a Pasteur pipette: low-cost, rapid and visual detection of <i>Bacillus cereus</i> using denaturation bubble-mediated strand exchange amplification. <i>Analytica Chimica Acta</i> , 2019, 1080, 162-169.	5.4	22
31	On-site Method for Beef Detection Based on Strand Exchange Amplification. <i>Analytical Sciences</i> , 2019, 35, 337-341.	1.6	7
32	Rapid diagnosis of <i>Mycoplasma pneumoniae</i> infection by denaturation bubble-mediated strand exchange amplification: comparison with LAMP and real-time PCR. <i>Scientific Reports</i> , 2019, 9, 896.	3.3	16
33	Rapid Detection of the <i>Bursaphelenchus Xylophilus</i> by Denaturation Bubble-mediated Strand Exchange Amplification. <i>Analytical Sciences</i> , 2019, 35, 449-453.	1.6	7
34	Rapid and Simple Detection of Viable Foodborne Pathogen <i>Staphylococcus aureus</i> . <i>Frontiers in Chemistry</i> , 2019, 7, 124.	3.6	23
35	A simple isothermal nucleic acid amplification method for the effective on-site identification for adulteration of pork source in mutton. <i>Food Control</i> , 2019, 98, 297-302.	5.5	41
36	An ultrafast one-step assay for the visual detection of RNA virus. <i>Chemical Communications</i> , 2018, 54, 3118-3121.	4.1	9

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37	Rapid detection of foodborne pathogen <i>Listeria monocytogenes</i> by strand exchange amplification. <i>Analytical Biochemistry</i> , 2018, 545, 38-42.	2.4	39
38	Accelerated isothermal nucleic acid amplification in betaine-free reaction. <i>Analytical Biochemistry</i> , 2017, 530, 1-4.	2.4	20
39	Combinatorial Library Based on Restriction Enzyme-mediated Modular Assembly. <i>ACS Combinatorial Science</i> , 2017, 19, 351-355.	3.8	5
40	A novel method to control carryover contamination in isothermal nucleic acid amplification. <i>Chemical Communications</i> , 2017, 53, 10696-10699.	4.1	37
41	DNA Self-assembly Catalyzed by Artificial Agents. <i>Scientific Reports</i> , 2017, 7, 6818.	3.3	6
42	Rapid and enzyme-free nucleic acid detection based on exponential hairpin assembly in complex biological fluids. <i>Analyst, The</i> , 2016, 141, 2883-2886.	3.5	5
43	Triggered isothermal PCR by denaturation bubble-mediated strand exchange amplification. <i>Chemical Communications</i> , 2016, 52, 11551-11554.	4.1	68
44	The isothermal amplification detection of double-stranded DNA based on a double-stranded fluorescence probe. <i>Biosensors and Bioelectronics</i> , 2016, 80, 54-58.	10.1	9
45	Isothermal amplification detection of nucleic acids by a double-nicked beacon. <i>Analytical Biochemistry</i> , 2016, 496, 9-13.	2.4	4
46	Nicking endonuclease-mediated isothermal exponential amplification for double-stranded DNA detection. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 221-225.	7.8	21
47	Three-dimensional DNA nanostructures for colorimetric assay of nucleic acids. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2853-2857.	5.8	33
48	Innate Reverse Transcriptase Activity of DNA Polymerase for Isothermal RNA Direct Detection. <i>Journal of the American Chemical Society</i> , 2015, 137, 13804-13806.	13.7	81
49	Single primer-triggered isothermal amplification for double-stranded DNA detection. <i>Chemical Communications</i> , 2015, 51, 553-556.	4.1	24
50	Ultrasensitive detection of microRNAs based on hairpin fluorescence probe assisted isothermal amplification. <i>Biosensors and Bioelectronics</i> , 2014, 58, 57-60.	10.1	26
51	A new isothermal nucleic acid detection strategy mediated by a double-nicked beacon. <i>Chemical Communications</i> , 2014, 50, 3799.	4.1	11
52	Exponential Strand-Displacement Amplification for Detection of MicroRNAs. <i>Analytical Chemistry</i> , 2014, 86, 336-339.	6.5	160
53	A simple colorimetric DNA detection by target-induced hybridization chain reaction for isothermal signal amplification. <i>Analytical Biochemistry</i> , 2014, 457, 19-23.	2.4	62
54	Aptameric Molecular Switch for Cascade Signal Amplification. <i>Clinical Chemistry</i> , 2012, 58, 384-390.	3.2	21

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55	Entropy-driven molecular switch and signal amplification for homogeneous SNPs detection. Chemical Communications, 2011, 47, 2895.	4.1	24
56	Cocaine detection via rolling circle amplification of short DNA strand separated by magnetic beads. Biosensors and Bioelectronics, 2011, 26, 3309-3312.	10.1	99
57	Ultrafast Electrochemical DNA Biosensor Based on Electrical Potential-Assisted Hybridization Using Differential Pulse Voltammetry (DPV). Analytical Letters, 0, , 1-11.	1.8	0