Real-time PCR detection chemistry

Clinica Chimica Acta 439, 231-250

DOI: 10.1016/j.cca.2014.10.017

Citation Report

#	Article	IF	CITATIONS
1	Rapid prediction of inducible clarithromycin resistance in Mycobacterium abscessus. Molecular and Cellular Probes, 2015, 29, 514-516.	0.9	10
3	Current and New Approaches in GMO Detection: Challenges and Solutions. BioMed Research International, 2015, 2015, 1-22.	0.9	98
4	Microbiology and Molecular Biology Tools for Biogas Process Analysis, Diagnosis and Control. Advances in Biochemical Engineering/Biotechnology, 2015, 151, 1-40.	0.6	9
5	Mixed-Dye-Based Label-Free and Sensitive Dual Fluorescence for the Product Detection of Nucleic Acid Isothermal Multiple-Self-Matching-Initiated Amplification. Analytical Chemistry, 2015, 87, 10306-10314.	3.2	36
6	Molecular Methodologies. , 2015, , 153-170.		0
7	Respiratory RNA Viruses. , 0, , 233-271.		3
8	Advances in the Identification of Genetically Modified Foods., 2016,, 543-563.		2
9	Advances in Polymerase Chain Reaction Technologies for Food Authenticity Testing. , 2016, , 285-309.		2
10	Endonuclease Restriction-Mediated Real-Time Polymerase Chain Reaction: A Novel Technique for Rapid, Sensitive and Quantitative Detection of Nucleic-Acid Sequence. Frontiers in Microbiology, 2016, 7, 1104.	1.5	9
11	Advances in Authenticity Testing for Meat Speciation. , 2016, , 369-414.		9
12	Thirteen Years of an International External Quality Assessment Scheme for Genotyping: Results and Recommendations. Clinical Chemistry, 2016, 62, 1084-1095.	1.5	17
13	Sensitivity and specificity of Cobas TaqMan MTB real-time polymerase chain reaction for culture-proven Mycobacterium tuberculosis: meta-analysis of 26999 specimens from 17 Studies. Scientific Reports, 2016, 5, 18113.	1.6	18
14	Sensitive and specific miRNA detection method using SplintR Ligase. Nucleic Acids Research, 2016, 44, e116-e116.	6.5	86
15	Rapid species identification of highly degraded agarwood products from Aquilaria using real-time PCR. Conservation Genetics Resources, 2016, 8, 581-585.	0.4	2
16	Molecular beacons with JOE dye: Influence of linker and $3\hat{a}\in^2$ couple quencher. Molecular and Cellular Probes, 2016, 30, 285-290.	0.9	4
17	Development of a robust DNA quality and quantity assessment qPCR assay for targeted next-generation sequencing library preparation. International Journal of Oncology, 2016, 49, 1755-1765.	1.4	10
18	Respiratory RNA Viruses. Microbiology Spectrum, 2016, 4, .	1.2	35
19	Differential diagnosis of <i>Brucella abortus</i> by real-time PCR based on a single-nucleotide polymorphisms. Journal of Veterinary Medical Science, 2016, 78, 557-562.	0.3	9

#	Article	IF	CITATIONS
20	Fundamentals of multiplexing with digital PCR. Biomolecular Detection and Quantification, 2016, 10, 15-23.	7.0	174
21	Cy5/BHQ dye–quencher pairs in fluorogenic qPCR probes: effects of charge and hydrophobicity. Analytical Methods, 2016, 8, 5826-5831.	1.3	9
22	1-Phenylethynylpyrene (PEPy) as a novel blue-emitting dye for qPCR assay. Analyst, The, 2016, 141, 1331-1338.	1.7	8
23	Rapid and reliable genotyping of <i>HLA-B*58:01</i> in four Chinese populations using a single-tube duplex real-time PCR assay. Pharmacogenomics, 2016, 17, 47-57.	0.6	7
24	Development of a quantitative PCR for the detection of Rangelia vitalii. Veterinary Parasitology, 2016, 217, 113-117.	0.7	4
25	Evaluating Dye-Labeled DNA Dendrimers for Potential Applications in Molecular Biosensing. ACS Sensors, 2017, 2, 401-410.	4.0	31
26	Meat Authenticity and Traceability. , 2017, , 585-633.		4
27	Complexes of DNA with fluorescent dyes are effective reagents for detection of autoimmune antibodies. Scientific Reports, 2017, 7, 1925.	1.6	17
29	Synthesis of oligonucleotides containing novel G-clamp analogue with C8-tethered group in phenoxazine ring: Implication to qPCR detection of the low-copy Kemerovo virus dsRNA. Bioorganic and Medicinal Chemistry, 2017, 25, 3597-3605.	1.4	15
30	One-step multiplex RT-qPCR detects three citrus viroids from different genera in a wide range of hosts. Journal of Virological Methods, 2017, 245, 40-52.	1.0	22
31	Electrochemical detection of magnetically-entrapped DNA sequences from complex samples by multiplexed enzymatic labelling: Application to a transgenic food/feed quantitative survey. Talanta, 2017, 164, 261-267.	2.9	9
32	Development of a Multiplex Real-Time PCR for Determination of Apricot in Marzipan Using the Plexor System. Journal of Agricultural and Food Chemistry, 2017, 65, 516-522.	2.4	12
33	Chemistry-Driven Approaches for Ultrasensitive Nucleic Acid Detection. Journal of the American Chemical Society, 2017, 139, 1020-1028.	6.6	95
34	A simple surface plasmon resonance biosensor for detection of PML/RARα based on heterogeneous fusion gene-triggered nonlinear hybridization chain reaction. Scientific Reports, 2017, 7, 14037.	1.6	14
35	Multiplex real-time polymerase chain reaction for the differential detection of porcine circovirus 2 and 3. Journal of Virological Methods, 2017, 250, 11-16.	1.0	37
36	Procedures of Mitochondria Purification and Gene Expression to Study Alternative Respiratory and Uncoupling Pathways in Fruits. Methods in Molecular Biology, 2017, 1670, 143-165.	0.4	1
37	Divide and Control: Comparison of Split and Switch Hybridization Sensors. ChemistrySelect, 2017, 2, 5427-5431.	0.7	25
38	Fluorescence Quenching of Carboxyfluoresceins Conjugated Convalently to Oligonucleotides. Journal of Applied Spectroscopy, 2017, 84, 452-459.	0.3	3

3

#	ARTICLE	IF	Citations
39	miRNAs: Nanomachines That Micromanage the Pathophysiology of Diabetes Mellitus. Advances in Clinical Chemistry, 2017, 82, 199-264.	1.8	12
40	DNA-magnetic Particle Binding Analysis by Dynamic and Electrophoretic Light Scattering. Journal of Visualized Experiments, 2017, , .	0.2	5
41	A Molecular Reporter for Monitoring Autophagic Flux in Nervous System In Vivo. Methods in Enzymology, 2017, 588, 109-131.	0.4	10
42	PCR Technologies for Point of Care Testing: Progress and Perspectives. ACS Sensors, 2017, 2, 876-891.	4.0	129
43	High-Throughput Genotyping with TaqMan Allelic Discrimination and Allele-Specific Genotyping Assays. Methods in Molecular Biology, 2017, 1492, 29-57.	0.4	11
44	Semesterâ€long inquiryâ€based molecular biology laboratory: Transcriptional regulation in yeast. Biochemistry and Molecular Biology Education, 2017, 45, 145-151.	0.5	7
45	EvaGreen real-time PCR to determine horse meat adulteration in processed foods. LWT - Food Science and Technology, 2017, 75, 408-416.	2.5	44
46	Paired Design of dCas9 as a Systematic Platform for the Detection of Featured Nucleic Acid Sequences in Pathogenic Strains. ACS Synthetic Biology, 2017, 6, 211-216.	1.9	130
47	Multiplex real-time reverse transcription polymerase chain reaction for differential detection of H5, N1, and N8 genes of highly pathogenic avian influenza viruses. Veterinarni Medicina, 2017, 62, 211-220.	0.2	2
48	Molecular Approaches for High Throughput Detection and Quantification of Genetically Modified Crops: A Review. Frontiers in Plant Science, 2017, 8, 1670.	1.7	32
49	A Phase-Intensity Surface Plasmon Resonance Biosensor for Avian Influenza A (H5N1) Detection. Sensors, 2017, 17, 2363.	2.1	30
50	Detection of Hepatitis B Virus M204l Mutation by Quantum Dot-Labeled DNA Probe. Sensors, 2017, 17, 961.	2.1	17
51	Systems Biology: Methods and Applications. , 2017, , 434-480.		0
52	Molecular Tools To Study Preharvest Food Safety Challenges. Microbiology Spectrum, 2018, 6, .	1.2	4
53	Identification of Ingredient in Mullet Roe Products by the Real-Time PCR Method. Food Analytical Methods, 2018, 11, 992-1000.	1.3	7
54	A rapid and efficient method for enriching mitochondrial DNA from plants. Mitochondrial DNA Part B: Resources, 2018, 3, 239-242.	0.2	6
55	Efficient Synthesis of a Wideâ€Range Absorbing Azaphthalocyanine Dark Quencher and Its Application to Dualâ€Labeled Oligonucleotide Probes for Quantitative Realâ€Time Polymerase Chain Reactions. Chemistry - A European Journal, 2018, 24, 9658-9666.	1.7	12
56	Revealing the microbiota of marketed edible insects through PCR-DGGE, metagenomic sequencing and real-time PCR. International Journal of Food Microbiology, 2018, 276, 54-62.	2.1	34

#	Article	IF	CITATIONS
57	A Fast and Reliable Realâ€Time PCR Method for Detection of Ten Animal Species in Meat Products. Journal of Food Science, 2018, 83, 258-265.	1.5	20
58	Influence of Darkness and Aging on Marine and Freshwater Biofilm Microbial Communities Using Microcosm Experiments. Microbial Ecology, 2018, 76, 314-327.	1.4	5
59	Real-Time Reverse Transcription PCR as a Tool to Study Virulence Gene Regulation in Bacterial Pathogens. Methods in Molecular Biology, 2018, 1734, 23-32.	0.4	5
60	Optical and Structural Characterization of a Chronic Myeloid Leukemia DNA Biosensor. ACS Chemical Biology, 2018, 13, 1235-1242.	1.6	3
61	The bacterial biota of laboratory-reared edible mealworms (Tenebrio molitor L.): From feed to frass. International Journal of Food Microbiology, 2018, 272, 49-60.	2.1	75
62	Simultaneous determination of heat stable peptides for eight animal and plant species in meat products using UPLC-MS/MS method. Food Chemistry, 2018, 245, 125-131.	4.2	62
63	The applicability of real-time PCR in the diagnostic of cutaneous leishmaniasis and parasite quantification for clinical management: Current status and perspectives. Acta Tropica, 2018, 184, 29-37.	0.9	35
64	Handheld isothermal amplification and electrochemical detection of DNA in resource-limited settings. Analytical Biochemistry, 2018, 543, 116-121.	1.1	82
65	Identification of Genetically Modified Foods., 2018,, 369-383.		3
66	Impact of epigallocatechinâ€'3â€'gallate on expression of nuclear factor erythroid 2â€'related factor 2 and γâ€'glutamyl cysteine synthetase genes in oxidative stressâ€'induced mouse renal tubular epithelial cells. Molecular Medicine Reports, 2018, 17, 7952-7958.	1.1	7
68	Comprehensive evaluation of blood-brain barrier-forming micro-vasculatures: Reference and marker genes with cellular composition. PLoS ONE, 2018, 13, e0197379.	1.1	5
69	From the Field to the Bottle—An Integrated Strategy for Wine Authenticity. Beverages, 2018, 4, 71.	1.3	17
70	Cationic Oligospermine-Oligonucleotide Conjugates Provide Carrier-free Splice Switching in Monolayer Cells and Spheroids. Molecular Therapy - Nucleic Acids, 2018, 13, 483-492.	2.3	4
71	Development of a triplex real-time PCR for simultaneous detection of allergenic ingredients in processed food. Czech Journal of Food Sciences, 2018, 36, 22-27.	0.6	8
72	Evaluation of Exon Inclusion Induced by Splice Switching Antisense Oligonucleotides in SMA Patient Fibroblasts. Journal of Visualized Experiments, 2018 , , .	0.2	5
73	An overview of technical considerations when using quantitative real-time PCR analysis of gene expression in human exercise research. PLoS ONE, 2018, 13, e0196438.	1.1	114
74	dPCR: A Technology Review. Sensors, 2018, 18, 1271.	2.1	392
75	DNA-Based Technique: Polymerase Chain Reaction (PCR). , 2018, , 527-616.		4

#	Article	IF	Citations
76	Application of multiplex real-time polymerase chain reaction assay for simultaneous quantification of Escherichia coli virulence genes in oysters. Journal of Food Science and Technology, 2018, 55, 2765-2773.	1.4	4
77	Extracellular Vesicles in Oncology: Progress and Pitfalls in the Methods of Isolation and Analysis. Biotechnology Journal, 2019, 14, e1700716.	1.8	67
78	Food Allergens: An Update on Analytical Methods. , 2019, , 622-639.		4
79	A clinical role for FÃ \P rster resonance energy transfer in molecular diagnostics of disease. Expert Review of Molecular Diagnostics, 2019, 19, 767-771.	1.5	26
80	Simultaneous Detection of Chlamydia trachomatis and Neisseria gonorrhoeae Using Real-Time Multiplex qPCR Assay. Methods in Molecular Biology, 2019, 2042, 27-32.	0.4	0
81	Application of automatic feedback photographing by portable smartphone in PCR. Sensors and Actuators B: Chemical, 2019, 298, 126782.	4.0	10
82	Methods for the analysis of transcriptome dynamics. Toxicology Research, 2019, 8, 597-612.	0.9	6
83	<p>Pulmonary deregulation of expression of miR-155 and two of its putative target genes; PROS1 and TP53INP1 associated with gold nanoparticles (AuNPs) administration in rat</p> . International Journal of Nanomedicine, 2019, Volume 14, 5569-5579.	3.3	4
84	Revealing the secrets of PCR. Sensors and Actuators B: Chemical, 2019, 298, 126924.	4.0	15
85	Structurally Defined Ru(II) Metallointercalators for Real-Time Monitoring of DNA Amplification Reactions. Analytical Chemistry, 2019, 91, 8777-8782.	3.2	6
86	Developing pharmacogenetic screening methods for an emergent country: Vietnam. World Allergy Organization Journal, 2019, 12, 100037.	1.6	13
87	Polymerase Chain Reaction. , 2019, , 168-198.		2
88	TaqMan probe realâ€time polymerase chain reaction targeting the ATPase 6 gene for the detection of pork adulteration in meat and meatballs. Journal of Food Safety, 2019, 39, e12715.	1.1	11
89	Specific detection and differentiation of classic goose parvovirus and novel goose parvovirus by TaqMan real-time PCR assay, coupled with host specificity. BMC Veterinary Research, 2019, 15, 389.	0.7	13
90	DNA barcoding and rapid identification of the precious herb Herba Anoectochili. Chinese Journal of Natural Medicines, 2019, 17, 738-745.	0.7	5
91	Laboratory Diagnosis of Human Brucellosis. Clinical Microbiology Reviews, 2019, 33, .	5.7	157
92	RNA detection with high specificity and sensitivity using nested fluorogenic Mango NASBA. Rna, 2019, 25, 1806-1813.	1.6	28
93	Viral Detection: Past, Present, and Future. BioEssays, 2019, 41, e1900049.	1.2	18

#	Article	IF	CITATIONS
94	Identification of Mycoses in Developing Countries. Journal of Fungi (Basel, Switzerland), 2019, 5, 90.	1.5	42
95	A DNA minimachine for selective and sensitive detection of DNA. Analyst, The, 2019, 144, 416-420.	1.7	12
96	Evolution of Hybridization Probes to DNA Machines and Robots. Accounts of Chemical Research, 2019, 52, 1949-1956.	7.6	40
97	Recent trends in molecular diagnostics of yeast infections: from PCR to NGS. FEMS Microbiology Reviews, 2019, 43, 517-547.	3.9	77
98	Measurement of microRNA with isothermal DNA amplification on fully automated immunoassay analyzers. Analytical and Bioanalytical Chemistry, 2019, 411, 3789-3800.	1.9	19
99	Rapid Identification and Quantification of <i>Lactobacillus rhamnosus</i> by Real-Time PCR Using a TaqMan Probe. Japanese Journal of Infectious Diseases, 2019, 72, 323-325.	0.5	5
100	Visual signal generation for the detection of influenza viruses by duplex recombinase polymerase amplification with lateral flow dipsticks. Analytical and Bioanalytical Chemistry, 2019, 411, 3591-3602.	1.9	15
101	Fluorescence Techniques Based on Nucleic Acid Amplification Strategies: Rational Design and Application., 2019,, 17-44.		0
102	Development of an effective and rapid qPCR for identifying human ChREBPÎ \pm / \hat{l}^2 isoforms in hepatic and adipose tissues. Scandinavian Journal of Clinical and Laboratory Investigation, 2019, 79, 218-224.	0.6	1
103	Amplification chemistries in clinical virology. Journal of Clinical Virology, 2019, 115, 18-31.	1.6	15
105	Portable fluorescence reader for Point-of-Care Molecular Diagnostic device., 2019,,.		0
106	Simultaneous Nucleic Acids Detection and Elimination of Carryover Contamination With Nanoparticles-Based Biosensor- and Antarctic Thermal Sensitive Uracil-DNA-Glycosylase-Supplemented Polymerase Spiral Reaction. Frontiers in Bioengineering and Biotechnology, 2019, 7, 401.	2.0	2
107	Analysis of factors affecting the precision of gene expression measurement methods., 2019,,.		0
108	Multiplex Nested Solid Phase PCR-Array Chip for Simultaneous Detection of Highly Pathogenic Microorganisms. Chinese Journal of Analytical Chemistry, 2019, 47, 1751-1758.	0.9	4
109	Screening and Characterization of Immunobiotic Lactic Acid Bacteria with Porcine Immunoassay Systems. Methods in Molecular Biology, 2019, 1887, 131-144.	0.4	4
110	Inhibiting transcription in cultured metazoan cells with actinomycin D to monitor mRNA turnover. Methods, 2019, 155, 77-87.	1.9	37
111	Establishment of mink heart identification method based on mitochondrial cytochrome b gene and development of its detection kit. Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2019, 30, 325-331.	0.7	4
112	Overview of PCR-Based Technologies and Multiplexed Gene Analysis for Biomarker Studies. , 2019, , 63-73.		5

#	ARTICLE	IF	CITATIONS
113	Application of real-time PCR for tree nut allergen detection in processed foods. Critical Reviews in Food Science and Nutrition, 2020, 60, 1077-1093.	5.4	30
114	Rapid detection of porcine DNA in processed food samples using a streamlined DNA extraction method combined with the SYBR Green real-time PCR assay. Food Chemistry, 2020, 309, 125654.	4.2	9
115	Simultaneous Detection of Multiple Pathogenic Targets with Stemâ€Tagged Primer Sets. ChemBioChem, 2020, 21, 1116-1120.	1.3	0
116	Development of a rapid method for codfish identification in processed fish products based on SYBR Green realâ€time PCR. International Journal of Food Science and Technology, 2020, 55, 1843-1850.	1.3	6
117	Detection of extendedâ€spectrum betaâ€lactamase cefotaxime resistance and virulence genes in ⟨i⟩Escherichia coli⟨/i⟩ by duplex quantitative realâ€time PCR and melt curve analysis. Letters in Applied Microbiology, 2020, 71, 54-60.	1.0	5
118	Self-assembly of azaphthalocyanine–oligodeoxynucleotide conjugates into J-dimers: towards biomolecular logic gates. Organic Chemistry Frontiers, 2020, 7, 445-456.	2.3	5
119	The Evolving Role of the Clinical Microbiology Laboratory in Identifying Resistance in Gram-Negative Bacteria. Infectious Disease Clinics of North America, 2020, 34, 659-676.	1.9	10
120	Synthetic Elaboration of Native DNA by RASS (SENDR). ACS Central Science, 2020, 6, 1789-1799.	5.3	12
121	PCR Multiplexing Based on a Single Fluorescent Channel Using Dynamic Melting Curve Analysis. ACS Omega, 2020, 5, 30267-30273.	1.6	15
122	Management of inadvertent template contamination in production of oligonucleotide qPCR reagents. BioTechniques, 2020, 69, 401-403.	0.8	1
123	Optimized and scalable synthesis of magnetic nanoparticles for RNA extraction in response to developing countries' needs in the detection and control of SARS-CoV-2. Scientific Reports, 2020, 10, 19004.	1.6	49
124	ARMS TaqMan realâ€time PCR for genotyping factor V Leiden mutation in Han Chinese. Electrophoresis, 2020, 41, 2015-2020.	1.3	5
125	Ubiquitin-specific protease 7 downregulation suppresses breast cancer in vitro. Turkish Journal of Biology, 2020, 44, 145-157.	2.1	10
126	Combining bacteriophage engineering and linear dichroism spectroscopy to produce a DNA hybridisation assay. RSC Chemical Biology, 2020, 1, 449-454.	2.0	2
127	Real-time polymerase chain reaction for identification of dog meat in adulterated beef meatball using specific primer targeting on cytochrome-b for halal authentication. International Journal of Food Properties, 2020, 23, 2231-2241.	1.3	3
128	Allele-Specific PCR for KRAS Mutation Detection Using Phosphoryl Guanidine Modified Primers. Diagnostics, 2020, 10, 872.	1.3	19
129	Current trends in polymerase chain reaction based detection of three major human pathogenic vibrios. Critical Reviews in Food Science and Nutrition, 2022, 62, 1317-1335.	5.4	23
130	Molecular identification of dried squid products sold in China using DNA barcoding and SYBR green real time PCR. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2020, 37, 1061-1074.	1.1	8

#	Article	IF	Citations
131	Naked eye Y amelogenin gene fragment detection using DNAzymes on a paper-based device. Analytica Chimica Acta, 2020, 1123, 1-8.	2.6	11
132	Allelic discrimination between circulating tumor DNA fragments enabled by a multiplex-qPCR assay containing DNA-enriched magnetic ionic liquids. Analytica Chimica Acta, 2020, 1124, 184-193.	2.6	20
133	Exonuclease III-Powered Self-Propelled DNA Machine for Distinctly Amplified Detection of Nucleic Acid and Protein. Analytical Chemistry, 2020, 92, 9764-9771.	3.2	39
134	Quo vadis FRET? Förster's method in the era of superresolution. Methods and Applications in Fluorescence, 2020, 8, 032003.	1.1	14
135	A Microfluidic Diagnostic Device Capable of Autonomous Sample Mixing and Dispensing for the Simultaneous Genetic Detection of Multiple Plant Viruses. Micromachines, 2020, 11, 540.	1.4	13
136	A TaqMan-MGB real-time RT-PCR assay with an internal amplification control for rapid detection of Muscovy duck reovirus. Molecular and Cellular Probes, 2020, 52, 101575.	0.9	7
137	Nucleic Acid–Based Methods in the Detection of Foodborne Pathogens. , 2020, , 143-161.		2
138	Botanical origin authentication of dietary supplements by DNAâ€based approaches. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 1080-1109.	5.9	58
139	Nucleic acid analysis in the clinical laboratory. , 2020, , 215-234.		1
140	An Overview of Molecular Genetic Diagnosis Techniques. Current Protocols in Human Genetics, 2020, 105, e97.	3.5	5
141	Establishment and application of a loop-mediated isothermal amplification method with double-stranded displacement probes to quantify the genetically modified rice M12 event. European Food Research and Technology, 2020, 246, 631-641.	1.6	4
142	Synthesis and Jâ€Dimer Formation of Tetrapyrazinoporphyrazines with Different Functional Groups for Potential Biomolecular Probe Applications. ChemPlusChem, 2020, 85, 527-537.	1.3	2
143	Quantification of antibiotic resistance genes for environmental monitoring: Current methods and future directions. Current Opinion in Environmental Science and Health, 2020, 16, 47-53.	2.1	19
144	PCR inhibition in qPCR, dPCR and MPSâ€"mechanisms and solutions. Analytical and Bioanalytical Chemistry, 2020, 412, 2009-2023.	1.9	135
145	A bioinformatics workflow for the evaluation of RT-qPCR primer specificity: Application for the assessment of gene expression data reliability in toxicological studies. Regulatory Toxicology and Pharmacology, 2020, 111, 104575.	1.3	8
146	Low-Cost Battery-Powered and User-Friendly Real-Time Quantitative PCR System for the Detection of Multigene. Micromachines, 2020, 11, 435.	1.4	14
147	Clip-to-release on amplification (CRoA): a novel DNA amplification enhancer on and off microfluidics. Lab on A Chip, 2020, 20, 1928-1938.	3.1	5
148	Excimer-FRET Cascade in Dual DNA Probes: Open Access to Large Stokes Shift, Enhanced Acceptor Light up, and Robust RNA Sensing. Analytical Chemistry, 2020, 92, 7028-7036.	3.2	9

#	Article	IF	Citations
149	<i>Burkholderia cepacia</i> Complex Bacteria: a Feared Contamination Risk in Water-Based Pharmaceutical Products. Clinical Microbiology Reviews, 2020, 33, .	5.7	74
150	Binary (Split) Lightâ€up Aptameric Sensors. Angewandte Chemie, 2021, 133, 5040-5051.	1.6	3
151	Binary (Split) Lightâ€up Aptameric Sensors. Angewandte Chemie - International Edition, 2021, 60, 4988-4999.	7.2	35
152	Fuel strand-powered self-propelled electrochemical DNA machine for enzyme-free and distinctly amplified detection of nucleic acid with tunable performance. Biosensors and Bioelectronics, 2021, 171, 112706.	5.3	10
153	Conventional PCR assisted single-component assembly of spherical nucleic acids for simple colorimetric detection of SARS-CoV-2. Sensors and Actuators B: Chemical, 2021, 328, 128971.	4.0	36
154	qPCR assay for the detection of pseudocowpox virus. Archives of Virology, 2021, 166, 243-247.	0.9	5
155	Nucleic Acids Analysis. Science China Chemistry, 2021, 64, 171-203.	4.2	88
156	Highly sensitive and repeatable DNAâ€SERS detection system using silver nanowiresâ€glass fiber filter substrate. Analytical Science Advances, 2021, 2, 397-407.	1.2	2
157	Analytical approaches of meat authentication in food. International Journal of Food Science and Technology, 2021, 56, 1535-1543.	1.3	13
158	Detection of Genetically Modified Organisms Through Genomics Approaches. , 2021, , 245-256.		1
160	Gene Expression Analysis by Reverse Transcription Quantitative PCR. Methods in Molecular Biology, 2021, 2283, 61-74.	0.4	2
161	Comparative estimation of metrological characteristics of different PCR types for quantitative material assessment in complex matrices on the example of soybeans' GM line. E3S Web of Conferences, 2021, 254, 03005.	0.2	0
162	Validation of real-time polymerase chain reaction versus conventional polymerase chain reaction for diagnosis of brucellosis in cattle sera. Veterinary World, 2021, 14, 144-154.	0.7	1
163	The detection efficiency of digital PCR for the virulence genes of waterborne pathogenic bacteria. Water Science and Technology: Water Supply, 2021, 21, 2285-2297.	1.0	4
164	Thyroid Disrupting Chemicals in Mixture Perturb Thymocyte Differentiation in <i>Xenopus laevis</i> Tadpoles. Toxicological Sciences, 2021, 181, 262-272.	1.4	8
165	Ct value-based real time PCR serotyping of Glaesserella parasuis. Veterinary Microbiology, 2021, 254, 109011.	0.8	3
166	Virus Detection: A Review of the Current and Emerging Molecular and Immunological Methods. Frontiers in Molecular Biosciences, 2021, 8, 637559.	1.6	79
167	A probe-based droplet digital polymerase chain reaction assay for early detection of feline acute cytauxzoonosis. Veterinary Parasitology, 2021, 292, 109413.	0.7	11

#	Article	IF	CITATIONS
168	Molecular Beacon DNA Probes with Fluorescein Bifluorophore. Russian Journal of Bioorganic Chemistry, 2021, 47, 734-740.	0.3	2
169	DNA Nanotechnology for Multimodal Synergistic Theranostics. Journal of Analysis and Testing, 2021, 5, 112-129.	2.5	20
170	Simultaneous detection of Marburg virus and Ebola virus with TaqManâ€based multiplex realâ€time PCR method. Journal of Clinical Laboratory Analysis, 2021, 35, e23786.	0.9	7
171	Muscat Flavor in Grapevine: A Digital PCR Assay to Track Allelic Variation in VvDXS Gene. Genes, 2021, 12, 747.	1.0	7
172	Development of a rapid Salmonella detection method via phage-conjugated magnetic bead separation coupled with real-time PCR quantification. LWT - Food Science and Technology, 2021, 142, 111075.	2.5	16
173	Multiplexed digital polymerase chain reaction as a powerful diagnostic tool. Biosensors and Bioelectronics, 2021, 181, 113155.	5.3	28
174	Extracellular Vesicles as a Novel Liquid Biopsy-Based Diagnosis for the Central Nervous System, Head and Neck, Lung, and Gastrointestinal Cancers: Current and Future Perspectives. Cancers, 2021, 13, 2792.	1.7	11
175	Realâ€time quantitative <scp>PCR</scp> : A tool for absolute and relative quantification. Biochemistry and Molecular Biology Education, 2021, 49, 800-812.	0.5	47
176	3′ Tth Endonuclease Cleavage Polymerase Chain Reaction (3TEC-PCR) Technology for Single-Base-Specific Multiplex Pathogen Detection using a Two-Oligonucleotide System. International Journal of Molecular Sciences, 2021, 22, 6061.	1.8	1
177	Assembled molecular beacon-based self-propelled DNA machine for enzyme-free and distinctly amplified nucleic acid detection. Sensors and Actuators B: Chemical, 2021, 339, 129877.	4.0	6
178	Molecular Diagnosis of Leishmaniasis: Quantification of Parasite Load by a Real-Time PCR Assay with High Sensitivity. Pathogens, 2021, 10, 865.	1.2	18
180	Allele-specific RT-PCR for the rapid detection of recurrent SLC12A3 mutations for Gitelman syndrome. Npj Genomic Medicine, 2021, 6, 68.	1.7	2
181	Determination of reliable reference genes for gene expression studies in Chinese chive (Allium) Tj ETQq0 0 0 rgB	T /Overloc	k 10 Tf 50 26
182	Multicenter Comparative Assessment of the TIB MolBiol Toxoplasma gondii Detection Kit and Four Laboratory-Developed PCR Assays for Molecular Diagnosis of Toxoplasmosis. Journal of Molecular Diagnostics, 2021, 23, 1000-1006.	1.2	2
183	A New Specific and Sensitive RT-qPCR Method Based on Splinted 5′ Ligation for the Quantitative Detection of RNA Species Shorter than microRNAs. Non-coding RNA, 2021, 7, 59.	1.3	2
184	mRNA Expression of the CUB and Sushi Multiple Domains 1 (<i>CSMD1</i>) and Its Serum Protein Level as Predictors for Psychosis in the Familial High-Risk Children and Young Adults. ACS Omega, 2021, 6, 24128-24138.	1.6	6
185	Catalytic hairpin DNA assembly-based chemiluminescent assay for the detection of short SARS-CoV-2 target cDNA. Talanta, 2021, 233, 122505.	2.9	20
186	Technical Aspects of Epstein-Barr Viral Load Assays. , 2021, , 65-107.		1

#	Article	IF	CITATIONS
188	Discrimination between Holstein-derived milk and pure Jersey dairy products via analysis of the <i>MC1R</i> gene. Food Science and Technology Research, 2021, 27, 381-387.	0.3	0
189	Ratiometric Electrochemical Biosensor for the Sensitive Determination of DNA by a Hairpin DNA Probe. Analytical Letters, 2021, 54, 2473-2483.	1.0	4
190	Detection of Long Noncoding RNA Expression by. Methods in Molecular Biology, 2021, 2372, 35-42.	0.4	3
191	Molecular Endocrinology, Endocrine Genetics, and Precision Medicine. , 2021, , 9-29.		1
192	Quantification of DNA Damage and Repair in Mitochondrial, Nuclear, and Bacterial Genomes by Real-Time PCR. Methods in Molecular Biology, 2017, 1644, 159-166.	0.4	4
193	Brief Summary of the Most Important Molecular Genetic Methods (PCR, qPCR, Microarray,) Tj ETQq1 1 0.784314	rgBT /Ove	erlock 10 Tf
194	Redox Labeling of Nucleic Acids for Electrochemical Analysis of Nucleotide Sequences and DNA Damage. Advanced Sciences and Technologies for Security Applications, 2016, , 309-331.	0.4	2
195	Quantitative Expression Analysis in Brassica napus by Northern Blot Analysis and Reverse Transcription-Quantitative PCR in a Complex Experimental Setting. PLoS ONE, 2016, 11, e0163679.	1.1	6
196	Multiplex qPCR for serodetection and serotyping of hepatitis viruses: A brief review. World Journal of Gastroenterology, 2016, 22, 4824.	1.4	14
197	Promoter hypermethylation of cysteine dioxygenase type 1 in patients with non‑small cell lung cancer. Oncology Letters, 2020, 20, 967-973.	0.8	2
198	The use of species-specific primer targeting on D-loop mitochondrial for identification of wild boar meat in meatball formulation. Journal of Advanced Veterinary and Animal Research, 2018, 5, 361.	0.5	2
199	Recent advances in the exonuclease III-assisted target signal amplification strategy for nucleic acid detection. Analytical Methods, 2021, 13, 5103-5119.	1.3	13
200	A call to action: molecular pathology in Brazil. Surgical and Experimental Pathology, 2021, 4, .	0.2	5
201	Insight into PCR testing for surgeons. Surgery, 2021, 39, 759-768.	0.1	5
202	Differences in and verification of genetic alterations in chemotherapy and immunotherapy for metastatic melanoma. Aging, 2021, 13, 23672-23688.	1.4	2
203	Diagnostic Challenges in Sepsis. Current Infectious Disease Reports, 2021, 23, 22.	1.3	19
204	Cost-Effective Multiplex Fluorescence Detection System for PCR Chip. Sensors, 2021, 21, 6945.	2.1	6
205	Comparison of ovine \hat{l}^2 -globin haplotype sequences and a new multiplex PCR for identification. Veterinary Parasitology, 2021, 300, 109592.	0.7	1

#	Article	IF	CITATIONS
206	Gıdalarda Bulunan Mikrobiyal Patojenlerin Karakterizasyonunda Real Time PCR Teknolojisi. KahramanmaraÅŸ SÃ⅓tçÃ⅓ İmam Üniversitesi Tarım Ve DoÄŸa Dergisi, 2016, 18, 26.	0.1	1
207	Evaluation of an Assay Based On Multiple Detection Temperature Technique for Simultaneous Detection of Viral Gastroenteritis-Causing Pathogens. Jundishapur Journal of Microbiology, 2017, 10, .	0.2	0
208	Genetischer Fingerabdruck – Charakteristik und Methoden. , 2018, , 149-183.		0
209	Molecular Tools To Study Preharvest Food Safety Challenges. , 0, , 361-382.		0
210	Thermodynamic study of BRAF V600 mutations in colorectal cancer patients. Pharmacy & Pharmacology International Journal, 2018, 6, .	0.1	0
211	Porcine-specific Primer based on Cytochrome B by Real-Time Polymerase Chain Reaction Method for Identification in Raw Meat. , 0 , , .		0
213	Real Time PCR and Its Application in Diagnosis of Current Veterinary Diseases: A Brief Review. International Journal of Current Microbiology and Applied Sciences, 2019, 8, 2377-2384.	0.0	0
214	Probe-based qPCR Assay for Rapid Detection of Predominant Candida glabrata Sequence Type in Korea. Biomedical Science Letters, 2019, 25, 407-416.	0.0	0
215	BORON INCREASES THE VIABILITY OF HUMAN CANCER AND MURINE FIBROBLAST CELLS AFTER LONG TIME OF CRYOPRESERVATION. Trakya University Journal of Natural Sciences, 0, , .	0.4	0
216	LoopTag FRET Probe System for Multiplex qPCR Detection of Borrelia Species. Life, 2021, 11, 1163.	1.1	2
217	Fluorescent Oligonucleotide Probes for the Quantification of RNA by Real-Time qPCR. Methods in Molecular Biology, 2020, 2113, 263-280.	0.4	2
218	Modern Tools for Detection and Diagnosis of Plant Pathogens. , 2021, , 63-96.		3
219	Development of a one-step RT-qPCR detection assay for the newly described citrus viroid VII. Journal of Virological Methods, 2022, 299, 114330.	1.0	4
220	RT-qPCR Detection of Low-Copy HIV RNA with Yin-Yang Probes. Methods in Molecular Biology, 2020, 2063, 27-35.	0.4	1
221	Analyzing Gene Expression through Real Time PCR while Neo-tissue Regeneration using Developed Tissue Constructs., 2020,, 15-34.		0
222	Droplet Gene Analysis – Digital PCR. RSC Soft Matter, 2020, , 89-121.	0.2	2
223	Real-Time Detection of Viroids Using Singleplex and Multiplex Quantitative Polymerase Chain Reaction. Methods in Molecular Biology, 2022, 2316, 181-194.	0.4	1
224	Physical Sensors: Fluorescence Sensors. , 2023, , 1-19.		4

#	Article	IF	Citations
225	Standardisation and validation of an in-house quantitative real-time polymerase chain reaction (qPCR) assay for the diagnosis of Clostridioides difficile infection. Journal of Microbiological Methods, 2022, 193, 106399.	0.7	2
226	Development and Application of a Multiplex Fluorescent PCR for Shigella Detection and Species Identification. Journal of Fluorescence, 2022, 32, 707-713.	1.3	7
227	A Practical Approach for Quantitative Polymerase Chain Reaction, the Gold Standard in Microbiological Diagnosis. Sci, 2022, 4, 4.	1.8	6
228	Combining recombinase polymerase amplification and <scp>DNA</scp> â€templated reaction for <scp>SARSâ€CoV</scp> â€2 sensing with dual fluorescence and lateral flow assay output. Biopolymers, 2022, 113, e23485.	1.2	16
229	Spatial and temporal dynamics and potential pathogenicity of fecal coliforms in coastal shallow groundwater wells. Environmental Monitoring and Assessment, 2022, 194, 89.	1.3	2
230	Design of synthetic biology for the detection of microorganisms. , 2022, , 231-249.		0
231	Novel dimeric dyes based on the acridine orange chromophore: Synthesis, characterization and application in real-time PCR. Dyes and Pigments, 2022, 200, 110148.	2.0	1
232	Oxygen vacancy modulated MnO2 bi-electrode system for attomole-level pathogen nucleic acid sequence detection. Electrochimica Acta, 2022, 407, 139876.	2.6	5
233	Nakedâ€eye detection strategies coupled with isothermal nucleic acid amplification techniques for the detection of human pathogens. Comprehensive Reviews in Food Science and Food Safety, 2022, 21, 1913-1939.	5.9	23
234	Mechanism and Performance of Algal Pond Assisted Constructed Wetlands for Wastewater Polishing and Nutrient Recovery. SSRN Electronic Journal, 0, , .	0.4	0
235	SARS-CoV-2 Diagnostics Based on Nucleic Acids Amplification: From Fundamental Concepts to Applications and Beyond. Frontiers in Cellular and Infection Microbiology, 2022, 12, 799678.	1.8	13
236	Development of a real-time polymerase chain reaction assay for reliable detection of a novel porcine circovirus 4 with an endogenous internal positive control. Korean Journal of Veterinary Service, 2022, 45, 1-11.	0.0	3
237	Novel intramolecular recyclization by cleavage and formation of C–S bonds under strongly basic conditions. Journal of Sulfur Chemistry, 2022, 43, 473-481.	1.0	0
238	Extracellular Biomarkers of Inner Ear Disease and Their Potential for Pointâ€of are Diagnostics. Advanced Science, 2022, 9, e2104033.	5.6	4
239	Microbiological Laboratory Diagnosis of Human Brucellosis: An Overview. Pathogens, 2021, 10, 1623.	1.2	37
240	Animal Species Authentication in Dairy Products. Foods, 2022, 11, 1124.	1.9	16
242	An Eva Green Real-Time PCR Assay for Porcine DNA Analysis in Raw and Processed Foods. Malaysian Journal of Halal Research, 2022, 5, 33-39.	0.3	3
243	Development and validation of a SYBR green-based mitochondrial DNA quantification method by following the MIQE and other guidelines. Legal Medicine, 2022, 58, 102096.	0.6	2

#	Article	IF	CITATIONS
244	Mechanism and performance of algal pond assisted constructed wetlands for wastewater polishing and nutrient recovery. Science of the Total Environment, 2022, 840, 156667.	3.9	11
245	Prevalence and co-infection status of three pathogenic porcine circoviruses (PCV2, PCV3, and PCV4) by a newly established triplex real-time polymerase chain reaction assay. Korean Journal of Veterinary Service, 2022, 45, 87-99.	0.0	2
246	CYSLTR1 rs320995 (T927C) and GSDMB rs7216389 (G1199A) Gene Polymorphisms in Asthma and Allergic Rhinitis: A Proof-of-Concept Study. Journal of Asthma and Allergy, 0, Volume 15, 1105-1113.	1.5	3
247	Present status of microfluidic PCR chip in nucleic acid detection and future perspective. TrAC - Trends in Analytical Chemistry, 2022, 157, 116737.	5.8	48
248	Meat authenticity and traceability., 2023,, 627-664.		1
249	Assessment of Inflammation in Animal Models (Quantification of TNFA, IFNG, IL4, and IL10 mRNAs by) Tj ETQq $1\ 1$	0.784314	4 rgBT /Over
250	Genetic Engineering Tools and Techniques in Livestock Production. Sustainable Agriculture Reviews, 2022, , 175-207.	0.6	1
251	Principles of nucleic acid-based detection methods. , 2022, , 41-66.		0
252	Analysis of Pathogenic Vibrio Contamination in Marine Products along China Based on Fluorescence Quantitative PCR. Journal of Food Quality, 2022, 2022, 1-6.	1.4	1
253	Pangenomes-identified singletons for designing specific primers to identify bacterial strains in a plant growth-promoting consortium. Molecular Biology Reports, 2022, 49, 10489-10498.	1.0	3
254	Hundreds-Dollar-Level Multiplex Integrated RT-qPCR Quantitative System for Field Detection. Biosensors, 2022, 12, 706.	2.3	1
255	"SMART―digital nucleic acid amplification technologies for lung cancer monitoring from early to advanced stages. TrAC - Trends in Analytical Chemistry, 2022, 157, 116774.	5.8	5
256	Development and Validation of a New Robust Detection Method for Low-Content DNA Using î"î"Cq-Based Real-Time PCR with Optimized Standard Plasmids as a Control Sample. Analytical Chemistry, 2022, 94, 14475-14483.	3.2	1
257	Establishing DNA markers to differentiate Agastache rugosa and Pogostemon cablin, which are confusedly used as medicinal herbs, using real-time PCR. Food Science and Biotechnology, 2023, 32, 239-247.	1.2	2
258	Advancement in Analytical Techniques for Determining the Activity of \hat{l}^2 -Site Amyloid Precursor Protein Cleaving Enzyme 1. Critical Reviews in Analytical Chemistry, 0, , 1-13.	1.8	0
259	Fingerprinting of Mycobacterium tuberculosis isolates by MIRU-VNTR genotyping and detection of isoniazid resistance by real-time PCR. Journal of Medical Microbiology, 2022, 71, .	0.7	0
260	Antibiotics degradation by advanced oxidation process (AOPs): Recent advances in ecotoxicity and antibiotic-resistance genes induction of degradation products. Chemosphere, 2023, 311, 136977.	4.2	62
261	Role of real-time DNA analyses, biomarkers, resistance measurement, and ecosystem management in Campylobacter risk analysis., 2023, , 752-776.		0

#	ARTICLE	IF	CITATIONS
262	Developmental exposure to thyroid disrupting chemical mixtures alters metamorphosis and post-metamorphic thymocyte differentiation. Current Research in Toxicology, 2022, 3, 100094.	1.3	1
263	Clinical impact of the PAI-1 4G/5G polymorphism in Chinese patients with venous thromboembolism. Thrombosis Journal, 2022, 20, .	0.9	9
264	Compact Camera Fluorescence Detector for Parallel-Light Lens-Based Real-Time PCR System. Sensors, 2022, 22, 8575.	2.1	1
265	An Overview of Laboratory Diagnosis of Central Nervous System Viral Infections. Journal of Pure and Applied Microbiology, 0, , .	0.3	1
266	Fluorescent RNA Tags for In Situ RNA Imaging in Living Cells. Analysis & Sensing, 0, , .	1.1	0
268	Real-Time Polymerase Chain Reaction: Current Techniques, Applications, and Role in COVID-19 Diagnosis. Genes, 2022, 13, 2387.	1.0	20
269	Ocular Lesions in Brucella Infection: A Review of the Literature. Infection and Drug Resistance, 0, Volume 15, 7601-7617.	1.1	2
270	Allele-Specific PCR for PIK3CA Mutation Detection Using Phosphoryl Guanidine Modified Primers. Diagnostics, 2023, 13, 250.	1.3	3
271	Biomolecule Integrated Nanostructures for Advanced Diagnosis Systems in Viral Disease Management of Crops., 2023,, 251-286.		1
272	An Improved Duplex Real-Time Quantitative RT-PCR Assay with a Canine Endogenous Internal Positive Control for More Sensitive and Reliable Detection of Canine Parainfluenza Virus 5. Veterinary Sciences, 2023, 10, 142.	0.6	2
273	Molecular Detection of Porcine Parainfluenza Viruses 1 and 5 Using a Newly Developed Duplex Real-Time RT-PCR in South Korea. Animals, 2023, 13, 598.	1.0	5
274	Overexpression of <i>Acetyl CoA Carboxylase 1 and <i><math>3> (<i>ACCase<math>1) and <i>ACCase<math>3), and <i>CYP81A21</i> were related to cyhalofop resistance in a barnyardgrass accession from Arkansas. Plant Signaling and Behavior, 2023, 18, .</math></i></math></i></math></i></i>	1.2	5
275	Oligoribonucleotide-Mediated Blockade of DNA Extension by <i>Taq</i> DNA Polymerases Increases Specificity and Sensitivity for Detecting Single-Nucleotide Differences. Analytical Chemistry, 2023, 95, 3442-3451.	3.2	2
276	Selection of Novel Reference Genes by RNA-Seq and Their Evaluation for Normalising Real-Time qPCR Expression Data of Anthocyanin-Related Genes in Lettuce and Wild Relatives. International Journal of Molecular Sciences, 2023, 24, 3052.	1.8	1
277	Tailored Multiplex Real-Time RT-PCR with Species-Specific Internal Positive Controls for Detecting SARS-CoV-2 in Canine and Feline Clinical Samples. Animals, 2023, 13, 602.	1.0	2
278	OWL2: a molecular beacon-based nanostructure for highly selective detection of single-nucleotide variations in folded nucleic acids. Nanoscale, 2023, 15, 5735-5742.	2.8	0
279	The Development of Diagnostic and Vaccine Strategies for Early Detection and Control of Human Brucellosis, Particularly in Endemic Areas. Vaccines, 2023, 11, 654.	2.1	6
280	Molecular Diagnostic Methods for Pathogen Detection. , 2021, , 51-63.		0

#	ARTICLE	IF	CITATIONS
281	Various Techniques for Molecular and Rapid Detection of Infectious and Epidemic Diseases. Letters in Organic Chemistry, 2023, 20, 779-801.	0.2	4
282	Nanozymes towards Personalized Diagnostics: A Recent Progress in Biosensing. Biosensors, 2023, 13, 461.	2.3	15
283	Managing Viral Emerging Infectious Diseases via Current and Future Molecular Diagnostics. Diagnostics, 2023, 13, 1421.	1.3	1
284	Plasminogen Activator Inhibitor-1 4G/5G (rs1799889) Polymorphism in Chinese Patients with Diabetes Mellitus and Hypertension. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 0, Volume 16, 1133-1147.	1.1	0
286	Molecular Biology for Medicinal Chemists. , 2023, , 324-358.		0
294	Evolution of Viral Diagnostics: A Peek into Time. , 2023, , 587-618.		0
298	Micro-polymerase chain reaction for point-of-care detection and beyond: a review microfluidics and nanofluidics. Microfluidics and Nanofluidics, 2023, 27, .	1.0	2