

Joana Carvalho

List of Publications by Year in descending order

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28
papers

462
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758635

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h-index

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docs citations

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408
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid and sensitive detection of viable <i>Listeria monocytogenes</i> in food products by a filtration-based protocol and qPCR. <i>Food Microbiology</i> , 2018, 73, 254-263.	2.1	60
2	Combination of Microfluidic Loop-Mediated Isothermal Amplification with Gold Nanoparticles for Rapid Detection of <i>Salmonella</i> spp. in Food Samples. <i>Frontiers in Microbiology</i> , 2017, 8, 2159.	1.5	48
3	Systematic loop-mediated isothermal amplification assays for rapid detection and characterization of <i>Salmonella</i> spp., <i>Enteritidis</i> and <i>Typhimurium</i> in food samples. <i>Food Control</i> , 2017, 80, 297-306.	2.8	37
4	Development and evaluation of loop-mediated isothermal amplification, and Recombinase Polymerase Amplification methodologies, for the detection of <i>Listeria monocytogenes</i> in ready-to-eat food samples. <i>Food Control</i> , 2018, 86, 27-34.	2.8	34
5	Combination of Immunomagnetic Separation and Real-time Recombinase Polymerase Amplification (IMS-qRPA) for Specific Detection of <i>Listeria monocytogenes</i> in Smoked Salmon Samples. <i>Journal of Food Science</i> , 2019, 84, 1881-1887.	1.5	33
6	Specific detection of viable <i>Salmonella</i> <i>Enteritidis</i> by phage amplification combined with qPCR (PAA-qPCR) in spiked chicken meat samples. <i>Food Control</i> , 2019, 99, 79-83.	2.8	31
7	Highly sensitive detection of gluten-containing cereals in food samples by real-time Loop-mediated isothermal AMPlification (qLAMP) and real-time polymerase chain reaction (qPCR). <i>Food Chemistry</i> , 2018, 246, 156-163.	4.2	24
8	Highly efficient DNA extraction and purification from olive oil on a washable and reusable miniaturized device. <i>Analytica Chimica Acta</i> , 2018, 1020, 30-40.	2.6	18
9	Optimized sample treatment, combined with real-time PCR, for same-day detection of <i>E. coli</i> O157 in ground beef and leafy greens. <i>Food Control</i> , 2020, 108, 106790.	2.8	18
10	Multiplex Detection of <i>Salmonella</i> spp., <i>E. coli</i> O157 and <i>L. monocytogenes</i> by qPCR Melt Curve Analysis in Spiked Infant Formula. <i>Microorganisms</i> , 2020, 8, 1359.	1.6	15
11	Comparative study of multiplex real-time recombinase polymerase amplification and ISO 11290-1 methods for the detection of <i>Listeria monocytogenes</i> in dairy products. <i>Food Microbiology</i> , 2020, 92, 103570.	2.1	15
12	Evaluation of Different Genetic Targets for <i>Salmonella enterica</i> Serovar <i>Enteritidis</i> and <i>Typhimurium</i> , Using Loop-Mediated Isothermal AMPlification for Detection in Food Samples. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	14
13	Application of Recombinase Polymerase Amplification with Lateral Flow for a Naked-Eye Detection of <i>Listeria monocytogenes</i> on Food Processing Surfaces. <i>Foods</i> , 2020, 9, 1249.	1.9	13
14	Loop-mediated isothermal amplification combined with immunomagnetic separation and propidium monoazide for the specific detection of viable <i>Listeria monocytogenes</i> in milk products, with an internal amplification control. <i>Food Control</i> , 2021, 125, 107975.	2.8	13
15	Faster monitoring of the invasive alien species (IAS) <i>Dreissena polymorpha</i> in river basins through isothermal amplification. <i>Scientific Reports</i> , 2021, 11, 10175.	1.6	10
16	Novel approach for accurate minute DNA quantification on microvolumetric solutions. <i>Microchemical Journal</i> , 2018, 138, 540-549.	2.3	8
17	Application of Short Pre-enrichment, and Double Chemistry Real-Time PCR, Combining Fluorescent Probes and an Intercalating Dye, for Same-Day Detection and Confirmation of <i>Salmonella</i> spp. and <i>Escherichia coli</i> O157 in Ground Beef and Chicken Samples. <i>Frontiers in Microbiology</i> , 2020, 11, 591041.	1.5	8
18	Optimization and Clinical Evaluation of a Multi-Target Loop-Mediated Isothermal Amplification Assay for the Detection of SARS-CoV-2 in Nasopharyngeal Samples. <i>Viruses</i> , 2021, 13, 940.	1.5	8

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19	Microsatellite Markers in Olives (<i>Olea europaea</i> L.): Utility in the Cataloging of Germplasm, Food Authenticity and Traceability Studies. <i>Foods</i> , 2021, 10, 1907.	1.9	8
20	Suitability of the MinION long read sequencer for semi-targeted detection of foodborne pathogens. <i>Analytica Chimica Acta</i> , 2021, 1184, 339051.	2.6	8
21	Dual colorimetric strategy for specific DNA detection by nicking endonuclease-assisted gold nanoparticle signal amplification. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5239-5253.	1.9	7
22	Combination of Recombinase Polymerase Amplification with SYBR Green I for naked-eye, same-day detection of <i>Escherichia coli</i> O157:H7 in ground meat. <i>Food Control</i> , 2022, 132, 108494.	2.8	7
23	Next-day detection of viable <i>Listeria monocytogenes</i> by multiplex reverse transcriptase real-time PCR. <i>Food Control</i> , 2022, 133, 108593.	2.8	7
24	Single-use microfluidic device for purification and concentration of environmental DNA from river water. <i>Talanta</i> , 2021, 226, 122109.	2.9	6
25	Evaluation and implementation of commercial antibodies for improved nanoparticle-based immunomagnetic separation and real-time PCR for faster detection of <i>Listeria monocytogenes</i> . <i>Journal of Food Science and Technology</i> , 2020, 57, 4143-4151.	1.4	5
26	Evaluation of simple sequence repeats (SSR) and single nucleotide polymorphism (SNP)-based methods in olive varieties from the Northwest of Spain and potential for miniaturization. <i>Food Chemistry Molecular Sciences</i> , 2021, 3, 100038.	0.9	4
27	Short pre-enrichment and modified matrix lysis. A comparative study towards same-day detection of <i>Listeria monocytogenes</i> . <i>LWT - Food Science and Technology</i> , 2022, 154, 112900.	2.5	3
28	Data on minute DNA quantification on microvolumetric solutions: comparison of mathematical models and effect of some compounds on the DNA quantification accuracy. <i>Data in Brief</i> , 2018, 21, 424-431.	0.5	0