Alejandro Garrido-Maestu

List of Publications by Year
in descending order

76 papers	2,079 citations	236612 25 h-index	253896 43 g-index
77 all docs	77 docs citations	77 times ranked	2467 citing authors

#	Article	IF	Citations
1	Application, mode of action, and in vivo activity of chitosan and its micro- and nanoparticles as antimicrobial agents: A review. Carbohydrate Polymers, 2017, 176, 257-265.	5.1	299
2	Tetrodotoxin, an Extremely Potent Marine Neurotoxin: Distribution, Toxicity, Origin and Therapeutical Uses. Marine Drugs, 2015, 13, 6384-6406.	2.2	179
3	A new multiplex real-time PCR developed method for Salmonella spp. and Listeria monocytogenes detection in food and environmental samples. Food Control, 2013, 30, 76-85.	2.8	92
4	Characterization of F-actin depolymerization as a major toxic event induced by pectenotoxin-6 in neuroblastoma cells. Biochemical Pharmacology, 2002, 63, 1979-1988.	2.0	74
5	Migration of BADGE (bisphenol A diglycidyl-ether) and BFDGE (bisphenol F diglycidyl-ether) in canned seafood. Food and Chemical Toxicology, 2008, 46, 1674-1680.	1.8	64
6	Rapid and sensitive detection of viable Listeria monocytogenes in food products by a filtration-based protocol and qPCR. Food Microbiology, 2018, 73, 254-263.	2.1	60
7	Engineering of chitosan-derived nanoparticles to enhance antimicrobial activity against foodborne pathogen Escherichia coli O157:H7. Carbohydrate Polymers, 2018, 197, 623-630.	5.1	52
8	In-house validation of a multiplex real-time PCR method for simultaneous detection of Salmonella spp., Escherichia coli O157 and Listeria monocytogenes. International Journal of Food Microbiology, 2013, 164, 92-98.	2.1	51
9	Cytotoxic effects of BADGE (bisphenol A diglycidyl ether) and BFDGE (bisphenol F diglycidyl ether) on Caco-2 cells in vitro. Archives of Toxicology, 2006, 80, 748-755.	1.9	50
10	Combination of Microfluidic Loop-Mediated Isothermal Amplification with Gold Nanoparticles for Rapid Detection of Salmonella spp. in Food Samples. Frontiers in Microbiology, 2017, 8, 2159.	1.5	48
11	Collapse of mitochondrial membrane potential and caspases activation are early events in okadaic acid-treated Caco-2 cells. Toxicon, 2005, 46, 579-586.	0.8	47
12	Gold Nanostars for the Detection of Foodborne Pathogens via Surface-Enhanced Raman Scattering Combined with Microfluidics. ACS Applied Nano Materials, 2019, 2, 6081-6086.	2.4	47
13	Green synthesis of lignin nano- and micro-particles: Physicochemical characterization, bioactive properties and cytotoxicity assessment. International Journal of Biological Macromolecules, 2020, 163, 1798-1809.	3.6	46
14	Development of a multiplex real-time PCR method for pathogenic Vibrio parahaemolyticus detection (tdh+ and trh+). Food Control, 2012, 24, 128-135.	2.8	42
15	Decrease of marine toxin content in bivalves by industrial processes. Toxicon, 2010, 55, 235-243.	0.8	39
16	Detection of foodborne pathogens by qPCR: A practical approach for food industry applications. Cogent Food and Agriculture, 2015, 1, 1013771.	0.6	37
17	Systematic loop-mediated isothermal amplification assays for rapid detection and characterization of Salmonella spp., Enteritidis and Typhimurium in food samples. Food Control, 2017, 80, 297-306.	2.8	37
18	Amplification-free SERS analysis of DNA mutation in cancer cells with single-base sensitivity. Nanoscale, 2019, 11, 7781-7789.	2.8	37

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19	Development and evaluation of loop-mediated isothermal amplification, and Recombinase Polymerase Amplification methodologies, for the detection of Listeria monocytogenes in ready-to-eat food samples. Food Control, 2018, 86, 27-34.	2.8	34
20	Combination of Immunomagnetic Separation and Realâ€Time Recombinase Polymerase Amplification (IMSâ€qRPA) for Specific Detection of Listeria monocytogenes in Smoked Salmon Samples. Journal of Food Science, 2019, 84, 1881-1887.	1.5	33
21	Profiling DNA mutation patterns by SERS fingerprinting for supervised cancer classification. Biosensors and Bioelectronics, 2020, 165, 112392.	5.3	32
22	Specific detection of viable Salmonella Enteritidis by phage amplification combined with qPCR (PAA-qPCR) in spiked chicken meat samples. Food Control, 2019, 99, 79-83.	2.8	31
23	In Vitro Approaches To Evaluate Toxicity Induced by Organotin Compounds Tributyltin (TBT), Dibutyltin (DBT), and Monobutyltin (MBT) in Neuroblastoma Cells. Journal of Agricultural and Food Chemistry, 2013, 61, 4195-4203.	2.4	30
24	In-house validation of novel multiplex real-time PCR gene combination for the simultaneous detection of the main human pathogenic vibrios (Vibrio cholerae, Vibrio parahaemolyticus, and Vibrio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537 T	2.8	30
25	Development of a multiplex real-time PCR method for simultaneous detection of Salmonella enterica, Shigella flexneri and Listeria monocytogenes in processed food samples. European Food Research and Technology, 2012, 234, 571-580.	1.6	29
26	Multifuntional Gold Nanoparticles for the SERS Detection of Pathogens Combined with a LAMPâ€“inâ€“Microdroplets Approach. Materials, 2020, 13, 1934.	1.3	28
27	Comprehensive in vitro and in vivo risk assessments of chitosan microparticles using human epithelial cells and Caenorhabditis elegans. Journal of Hazardous Materials, 2018, 341, 248-256.	6.5	25
28	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). Food Chemistry, 2018, 246, 156-163.	4.2	24
29	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
30	Comparison between a TaqMan Polymerase Chain Reaction Assay and a Culture Method for ctx-Positive Vibrio cholerae Detection. Journal of Agricultural and Food Chemistry, 2010, 58, 4051-4055.	2.4	21
31	Occurrence of Lipophilic Marine Toxins in Shellfish from Galicia (NW of Spain) and Synergies among Them. Marine Drugs, 2015, 13, 1666-1687.	2.2	20
32	A smart microfluidic platform for rapid multiplexed detection of foodborne pathogens. Food Control, 2020, 114, 107242.	2.8	20
33	Re-evaluation of Enhanced qPCR Prevalidated Method for Next-day Detection ofSalmonellaspp.,Shigellaspp.,Escherichia coliO157 andListeria monocytogenes. Food Biotechnology, 2015, 29, 317-335.	0.6	18
34	Highly efficient DNA extraction and purification from olive oil on a washable and reusable miniaturized device. Analytica Chimica Acta, 2018, 1020, 30-40.	2.6	18
35	Active bi-layer cellulose-based films: development and characterization. Cellulose, 2018, 25, 6361-6375.	2.4	18
36	Optimized sample treatment, combined with real-time PCR, for same-day detection of E. coli O157 in ground beef and leafy greens. Food Control, 2020, 108, 106790.	2.8	18

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37	Presence of pathogenic Vibrio species in fresh mussels harvested in the southern Rias of Galicia (NW) Tj ETQq1 1 0.784314 rgBT /Ove	2.8	17
38	lolB gene, a valid alternative for qPCR detection of Vibrio cholerae in food and environmental samples. Food Microbiology, 2015, 46, 535-540.	2.1	16
39	Cytotoxic activity of extracts of marine sponges from NW Spain on a neuroblastoma cell line. Environmental Toxicology and Pharmacology, 2011, 32, 430-437.	2.0	15
40	Bacteria isolated from shellfish digestive gland with antipathogenic activity as candidates to increase the efficiency of shellfish depuration process. Food Control, 2014, 46, 272-281.	2.8	15
41	Multiplex Detection of Salmonella spp., E. coli O157 and L. monocytogenes by qPCR Melt Curve Analysis in Spiked Infant Formula. Microorganisms, 2020, 8, 1359.	1.6	15
42	Comparative study of multiplex real-time recombinase polymerase amplification and ISO 11290-1 methods for the detection of Listeria monocytogenes in dairy products. Food Microbiology, 2020, 92, 103570.	2.1	15
43	Evaluation of Different Genetic Targets for Salmonella enterica Serovar Enteriditis and Typhimurium, Using Loop-Mediated Isothermal AMPlification for Detection in Food Samples. Frontiers in Sustainable Food Systems, 2018, 2, .	1.8	14
44	Application of real-time PCR to detect Listeria monocytogenes in a mussel processing industry: Impact on control. Food Control, 2014, 46, 319-323.	2.8	13
45	Application of Recombinase Polymerase Amplification with Lateral Flow for a Naked-Eye Detection of Listeria monocytogenes on Food Processing Surfaces. Foods, 2020, 9, 1249.	1.9	13
46	Loop-mediated isothermal amplification combined with immunomagnetic separation and propidium monoazide for the specific detection of viable Listeria monocytogenes in milk products, with an internal amplification control. Food Control, 2021, 125, 107975.	2.8	13
47	Occurrence of Tetrodotoxin in Bivalves and Gastropods from Harvesting Areas and Other Natural Spaces in Spain. Toxins, 2019, 11, 331.	1.5	11
48	Application of real-time PCR for early diagnosis of diseases caused by Aeromonas salmonicida, Vibrio anguillarum, and Tenacibaculum maritimum in turbot: A field study. Journal of Applied Aquaculture, 2018, 30, 76-89.	0.7	10
49	Development of a multiplex real-time PCR method for early diagnosis of three bacterial diseases in fish: A real-case study in trout aquaculture. Aquaculture, 2018, 496, 255-261.	1.7	10
50	Faster monitoring of the invasive alien species (IAS) Dreissena polymorpha in river basins through isothermal amplification. Scientific Reports, 2021, 11, 10175.	1.6	10
51	Effect of okadaic acid on integrins and structural proteins in BE(2)-M17 cells. Archives of Toxicology, 2005, 79, 582-586.	1.9	9
52	Novel approach for accurate minute DNA quantification on microvolumetric solutions. Microchemical Journal, 2018, 138, 540-549.	2.3	8
53	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 Salmonella spp. and Escherichia coli O157 in Ground Beef and Chicken Samples. Frontiers in Microbiology, 2020, 11, 591041.	1.5	8
54	Detoxification of paralytic shellfish poisoning toxins in naturally contaminated mussels, clams and scallops by an industrial procedure. Food and Chemical Toxicology, 2020, 141, 111386.	1.8	8

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55	Optimization and Clinical Evaluation of a Multi-Target Loop-Mediated Isothermal Amplification Assay for the Detection of SARS-CoV-2 in Nasopharyngeal Samples. Viruses, 2021, 13, 940.	1.5	8
56	Suitability of the MinION long read sequencer for semi-targeted detection of foodborne pathogens. Analytica Chimica Acta, 2021, 1184, 339051.	2.6	8
57	The Use of Multiplex Real-Time PCR for the Simultaneous Detection of Foodborne Bacterial Pathogens. Methods in Molecular Biology, 2019, 1918, 35-45.	0.4	8
58	Combination of Recombinase Polymerase Amplification with SYBR Green I for naked-eye, same-day detection of Escherichia coli O157:H7 in ground meat. Food Control, 2022, 132, 108494.	2.8	7
59	Next-day detection of viable Listeria monocytogenes by multiplex reverse transcriptase real-time PCR. Food Control, 2022, 133, 108593.	2.8	7
60	Rapid Same-Day Detection of Listeria monocytogenes, Salmonella spp., and Escherichia coli O157 by Colorimetric LAMP in Dairy Products. Food Analytical Methods, 2022, 15, 2959-2971.	1.3	7
61	Application of a novel pathogenicity marker in a multiplex real-time PCR method to assess total and pathogenic Vibrio vulnificus in food and environmental samples. Food Control, 2014, 35, 274-283.	2.8	6
62	Microbiological Quality of Ready-to-Eat Pickled Fish Products. Journal of Aquatic Food Product Technology, 2014, 23, 498-510.	0.6	6
63	Single-use microfluidic device for purification and concentration of environmental DNA from river water. Talanta, 2021, 226, 122109.	2.9	6
64	Study of ceramic membrane behavior for okadaic acid and heavy-metal determination in filtered seawater. Journal of Environmental Management, 2019, 232, 564-573.	3.8	5
65	Evaluation and implementation of commercial antibodies for improved nanoparticle-based immunomagnetic separation and real-time PCR for faster detection of Listeria monocytogenes. Journal of Food Science and Technology, 2020, 57, 4143-4151.	1.4	5
66	Detection, molecular characterization, and antimicrobial susceptibility, of Campylobacter spp. isolated from shellfish. Microbial Risk Analysis, 2021, 18, 100176.	1.3	4
67	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. Food Chemistry Molecular Sciences, 2021, 3, 100038.	0.9	4
68	Development and evaluation of a real-time fluorescence, and naked-eye colorimetric, loop-mediated isothermal amplification-based method for the rapid detection of spoilage fungi in fruit preparations. Food Control, 2022, 135, 108784.	2.8	4
69	An Evaluation of the Pathogenic Potential, and the Antimicrobial Resistance, of Salmonella Strains Isolated from Mussels. Microorganisms, 2022, 10, 126.	1.6	4
70	Development of a Panfungal Recombinase Polymerase Amplification (RPA) Method Coupled with Lateral Flow Strips for the Detection of Spoilage Fungi. Food Analytical Methods, 2023, 16, 997-1006.	1.3	4
71	Development, and complete evaluation, of a novel Most-Probable-Number (MPN) qPCR method for accurate and express quantification of Listeria monocytogenes in foodstuffs. European Food Research and Technology, 2015, 241, 697-706.	1.6	3
72	Investigation and characterization of Shiga toxinâ€producing Escherichia coli present in mussels from harvesting areas in Galician southern Rias (NW Spain). Journal of Food Safety, 2017, 37, e12367.	1.1	3

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73	Semi-industrial development of nutritious and healthy seafood dishes from sustainable species. Food and Chemical Toxicology, 2021, 155, 112431.	1.8	3
74	Short pre-enrichment and modified matrix lysis. A comparative study towards same-day detection of Listeria monocytogenes. LWT - Food Science and Technology, 2022, 154, 112900.	2.5	3
75	Development of a real-time PCR assay with an internal amplification control for the detection of spoilage fungi in fruit preparations. Food Control, 2022, 135, 108783.	2.8	1
76	Data on minute DNA quantification on microvolumetric solutions: comparison of mathematical models and effect of some compounds on the DNA quantification accuracy. Data in Brief, 2018, 21, 424-431.	0.5	0