

Tigst Demeke

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,059
citations

623734

14
h-index

642732

23
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all docs

23
docs citations

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times ranked

1422
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of DNA extraction methods, PCR inhibitors and quantification methods on real-time PCR assay of biotechnology-derived traits. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1977-1990.	3.7	291
2	Simultaneous profiling of seed-associated bacteria and fungi reveals antagonistic interactions between microorganisms within a shared epiphytic microbiome on <i>Triticum</i> and <i>B. rassica</i> seeds. <i>New Phytologist</i> , 2014, 202, 542-553.	7.3	149
3	Species-specific PCR-based assays for the detection of <i>Fusarium</i> species and a comparison with the whole seed agar plate method and trichothecene analysis. <i>International Journal of Food Microbiology</i> , 2005, 103, 271-284.	4.7	128
4	Critical assessment of digital PCR for the detection and quantification of genetically modified organisms. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4039-4050.	3.7	100
5	Wheat Polyphenol Oxidase. <i>Crop Science</i> , 2001, 41, 1750-1757.	1.8	69
6	Simultaneous detection by PCR of <i>Escherichia coli</i> , <i>Listeria monocytogenes</i> and <i>Salmonella typhimurium</i> in artificially inoculated wheat grain. <i>International Journal of Food Microbiology</i> , 2006, 111, 21-25.	4.7	41
7	Development of a specific TaqMan [®] real-time PCR assay for quantification of <i>Fusarium graminearum</i> clade 7 and comparison of fungal biomass determined by PCR with deoxynivalenol content in wheat and barley. <i>International Journal of Food Microbiology</i> , 2010, 141, 45-50.	4.7	39
8	Multiplex qualitative PCR assay for identification of genetically modified canola events and real-time event-specific PCR assay for quantification of the GT73 canola event. <i>Food Control</i> , 2008, 19, 893-897.	5.5	33
9	Assessment of droplet digital PCR for absolute quantification of genetically engineered OXY235 canola and DP305423 soybean samples. <i>Food Control</i> , 2014, 46, 470-474.	5.5	31
10	Effects of DNA Extraction and Purification Methods on Real-Time Quantitative PCR Analysis of Roundup Ready Soybean. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 1136-1144.	1.5	30
11	Development of a PCR marker for rapid identification of the <i>Bt-10</i> gene for common bunt resistance in wheat. <i>Genome</i> , 2000, 43, 217-223.	2.0	24
12	Effect of endogenous reference genes on digital PCR assessment of genetically engineered canola events. <i>Biomolecular Detection and Quantification</i> , 2018, 15, 24-29.	7.0	17
13	Assessment of DNA extraction methods for PCR testing of discontinued or unapproved biotech events in single seeds of canola, flax and soybean. <i>Food Control</i> , 2012, 24, 44-49.	5.5	16
14	Effects of DNA extraction and purification methods on real-time quantitative PCR analysis of Roundup Ready soybean. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 1136-44.	1.5	16
15	Development of a polymerase chain reaction assay for detection of three canola transgenes. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2002, 79, 1015-1019.	1.9	15
16	Effect of Source of DNA on the Quantitative Analysis of Genetically Engineered Traits Using Digital PCR and Real-Time PCR. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 492-498.	1.5	12
17	Frequent Absence of GBSS 1 B Isoprotein in Endosperm Starch of Canadian Wheat Cultivars. <i>Starch/Staerke</i> , 2000, 52, 349-352.	2.1	11
18	Micropropagation of <i>Phytolacca dodecandra</i> through shoot-tip and nodal cultures. <i>Plant Cell Reports</i> , 1990, 9, 390-2.	5.6	10

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19	Absolute quantification of genetically engineered traits with droplet digital PCR: Effect of DNA treatments and spiking with non-target DNA. Food Control, 2016, 68, 105-111.	5.5	10
20	Increasing the Efficiency of Canola and Soybean GMO Detection and Quantification Using Multiplex Droplet Digital PCR. Biology, 2022, 11, 201.	2.8	7
21	Influence of Amount of Starting Material for DNA Extraction on Detection of Low-Level Presence of Genetically Engineered Traits. Journal of Agricultural and Food Chemistry, 2014, 62, 4349-4358.	5.2	4
22	Assessment of genetically engineered events in heat-treated and non-treated samples using droplet digital PCR and real-time quantitative PCR. Food Control, 2020, 115, 107291.	5.5	4
23	Effect of Amount of DNA on Digital PCR Assessment of Genetically Engineered Canola and Soybean Events. Food Analytical Methods, 2021, 14, 372-379.	2.6	2