

Gilbert Berben

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,832
citations

304743

22
h-index

175258

52
g-index

63
all docs

63
docs citations

63
times ranked

2346
citing authors

#	ARTICLE	IF	CITATIONS
1	The complete DNA sequence of yeast chromosome III. <i>Nature</i> , 1992, 357, 38-46.	27.8	924
2	The YDp plasmids: A uniform set of vectors bearing versatile gene disruption cassettes for <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 1991, 7, 475-477.	1.7	372
3	Guidelines for validation of qualitative real-time PCR methods. <i>Trends in Food Science and Technology</i> , 2014, 37, 115-126.	15.1	346
4	Effective PCR detection of animal species in highly processed animal byproducts and compound feeds. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 1045-1054.	3.7	89
5	New developments in the detection and identification of processed animal proteins in feeds. <i>Animal Feed Science and Technology</i> , 2007, 133, 63-83.	2.2	62
6	Development and Validation of Duplex, Triplex, and Pentaplex Real-Time PCR Screening Assays for the Detection of Genetically Modified Organisms in Food and Feed. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 10293-10301.	5.2	58
7	A PCR-microarray method for the screening of genetically modified organisms. <i>European Food Research and Technology</i> , 2009, 228, 531-541.	3.3	56
8	An overview of tests for animal tissues in feeds applied in response to public health concerns regarding bovine spongiform encephalopathy. <i>OIE Revue Scientifique Et Technique</i> , 2003, 22, 311-331.	1.2	53
9	Detection of Ruminant Meat and Bone Meals in Animal Feed by Real-Time Polymerase Chain Reaction: A Result of an Interlaboratory Study. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7495-7501.	5.2	49
10	The yeast regulatory gene PHO4 encodes a helix-loop-helix motif. <i>Yeast</i> , 1990, 6, 451-454.	1.7	44
11	Quantitative determination of Roundup Ready soybean (<i>Glycine max</i>) extracted from highly processed flour. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 282-290.	3.7	43
12	Studies on the structure, expression and function of the yeast regulatory gene PHO2. <i>Gene</i> , 1988, 66, 307-312.	2.2	42
13	Determination of Processed Animal Proteins, Including Meat and Bone Meal, in Animal Feed. <i>Journal of AOAC INTERNATIONAL</i> , 2004, 87, 1334-1341.	1.5	41
14	The GMOseek matrix: a decision support tool for optimizing the detection of genetically modified plants. <i>BMC Bioinformatics</i> , 2013, 14, 256.	2.6	39
15	Physical degradation of genomic DNA of soybean flours does not impair relative quantification of its transgenic content. <i>European Food Research and Technology</i> , 2007, 226, 273-280.	3.3	36
16	Development of 10 new screening PCR assays for GMO detection targeting promoters (pFMV, pNOS, Tj ETQq0 0 0 rgBT /Overlock 10 T Technology, 2013, 236, 659-669.	3.3	36
17	Kernel lot distribution assessment (KeLDA): a study on the distribution of GMO in large soybean shipments. <i>European Food Research and Technology</i> , 2006, 224, 129-139.	3.3	35
18	Discriminating animal fats and their origins: assessing the potentials of Fourier transform infrared spectroscopy, gas chromatography, immunoassay and polymerase chain reaction techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1073-1083.	3.7	34

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19	Real-Time Polymerase Chain Reaction Approach for Quantitation of Ruminant-Specific DNA to Indicate a Correlation Between DNA Amount and Meat and Bone Meal Heat Treatments. <i>Journal of AOAC INTERNATIONAL</i> , 2005, 88, 1399-1403.	1.5	29
20	Positive and negative regulators of the <i>Saccharomyces cerevisiae</i> PHO system participate in several cell functions. <i>FEMS Microbiology Letters</i> , 1993, 108, 333-339.	1.8	25
21	Detection and identification of transgenic events by next generation sequencing combined with enrichment technologies. <i>Scientific Reports</i> , 2019, 9, 15595.	3.3	25
22	Development of real-time PCR tests for the detection of <i>Tenebrio molitor</i> in food and feed. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 1421-1426.	2.3	24
23	Identification of Lactic Acid Bacteria within the Consortium of a Kefir Grain by Sequencing 16S rDNA Variable Regions. <i>Journal of AOAC INTERNATIONAL</i> , 2007, 90, 1111-1117.	1.5	23
24	Design of multiplex calibrant plasmids, their use in GMO detection and the limit of their applicability for quantitative purposes owing to competition effects. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2151-2164.	3.7	23
25	DNA Detection by Conventional and Real-Time PCR After Extraction from Vegetable Oils. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2012, 89, 1249.	1.9	18
26	Novel approach for interlaboratory transfer of real-time PCR methods: detecting bovine meat and bone meal in feed. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1423-1431.	3.7	17
27	Kernel Lot Distribution Assessment (KeLDA): a Comparative Study of Protein and DNA-Based Detection Methods for GMO Testing. <i>Food Analytical Methods</i> , 2013, 6, 210-220.	2.6	16
28	Detection of <i>Hermetia illucens</i> by real-time PCR. <i>Journal of Insects As Food and Feed</i> , 2018, 4, 115-122.	3.9	16
29	Development of a real-time PCR protocol for the species origin confirmation of isolated animal particles detected by NIRM. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2010, 27, 1118-1127.	2.3	15
30	Negative regulatory elements of the <i>Saccharomyces cerevisiae</i> PHO system: interaction between PHO80 and PHO85 proteins. <i>Gene</i> , 1990, 96, 181-188.	2.2	14
31	Inter-laboratory studies for the validation of two singleplex (tE9 and pea lectin) and one duplex (pat/bar) real-time PCR methods for GMO detection. <i>Food Control</i> , 2017, 73, 452-461.	5.5	14
32	Determination of processed animal proteins in feed: The performance characteristics of classical microscopy and immunoassay methods. <i>Food Additives and Contaminants</i> , 2006, 23, 252-264.	2.0	12
33	Official Feed Control Linked to the Detection of Animal Byproducts: Past, Present, and Future. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8093-8103.	5.2	12
34	The complete sequence of K3B, a 7.9 kb fragment between PGK1 and CRY1 on chromosome III, reveals the presence of seven open reading frames. <i>Yeast</i> , 1992, 8, 205-213.	1.7	11
35	Inter-laboratory analysis of selected genetically modified plant reference materials with digital PCR. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 211-221.	3.7	11
36	<i>Nitrobacter winogradskyi</i> cytochrome c oxidase genes are organized in a repeated gene cluster. <i>Antonie Van Leeuwenhoek</i> , 1996, 69, 305-315.	1.7	10

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37	Identification on Commercialized Products of AFLP Markers Able To Discriminate Slow- from Fast-Growing Chicken Strains. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 1115-1119.	5.2	8
38	Multi-laboratory evaluation of a PCR method for detection of ruminant DNA in commercial processed animal proteins. <i>Food Control</i> , 2017, 73, 140-146.	5.5	8
39	Inter-laboratory study on the detection of bovine processed animal protein in feed by LC-MS/MS-based proteomics. <i>Food Control</i> , 2021, 125, 107944.	5.5	8
40	Proteomics based approach for edible insect fingerprinting in novel food: Differential efficiency according to selected model species. <i>Food Control</i> , 2020, 112, 107135.	5.5	8
41	Determination of the ruminant origin of bone particles using fluorescence in situ hybridization (FISH). <i>Scientific Reports</i> , 2014, 4, 5730.	3.3	7
42	Detection of Transgenic Atlantic and Coho Salmon by Real-time PCR. <i>Food Analytical Methods</i> , 2018, 11, 2396-2406.	2.6	7
43	Detection and identification of animal by-products in animal feed for the control of transmissible spongiform encephalopathies. , 2012, , 94-113.		5
44	Detection by real-time PCR and pyrosequencing of the <i>cry1Ab</i> and <i>cry1Ac</i> genes introduced in genetically modified (GM) constructs. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 1398-1409.	2.3	5
45	Development of real-time PCR methods for cocoa authentication in processed cocoa-derived products. <i>Food Control</i> , 2022, 131, 108414.	5.5	5
46	Evaluation of Different Machines Used to Quantify Genetic Modification by Real-Time PCR. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 1243-1248.	1.5	4
47	Belgian science. <i>Nature</i> , 1992, 360, 10-10.	27.8	3
48	Detection of ornamental transgenic fish by real-time PCR and fluorescence microscopy. <i>Transgenic Research</i> , 2020, 29, 283-294.	2.4	3
49	Collaborative study on the effect of grinding on the detection of bones from processed animal proteins in feed by light microscopy. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 1451-1460.	2.3	2
50	Development of Real-time PCR Assays for the Detection of the pin II Terminator (<i>tpinII</i>) Used in GM Constructs and Its Donor Organism, Potato (<i>Solanum tuberosum</i>). <i>Food Analytical Methods</i> , 2018, 11, 2172-2180.	2.6	2
51	Detection of <i>Alphitobius diaperinus</i> by Real-Time Polymerase Chain Reaction With a Single-Copy Gene Target. <i>Frontiers in Veterinary Science</i> , 2022, 9, 718806.	2.2	2
52	Identification key for selection of the matrix type to which a sample belongs within the context of GMO analysis. <i>Accreditation and Quality Assurance</i> , 2021, 26, 107-112.	0.8	1
53	PCR Techniques for Detection and Quantification of GMOs. , 2019, , 115-154.		0