Gilbert Berben

List of Publications by Year
in descending order

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	Development of real-time PCR methods for cocoa authentication in processed cocoa-derived products. Food Control, 2022, 131, 108414.	5.5	5
2	Detection of Alphitobius diaperinus by Real-Time Polymerase Chain Reaction With a Single-Copy Gene Target. Frontiers in Veterinary Science, 2022, 9, 718806.	2.2	2
3	Identification key for selection of the matrix type to which a sample belongs within the context of GMO analysis. Accreditation and Quality Assurance, 2021, 26, 107-112.	0.8	1
4	Inter-laboratory study on the detection of bovine processed animal protein in feed by LC-MS/MS-based proteomics. Food Control, 2021, 125, 107944.	5.5	8
5	Official Feed Control Linked to the Detection of Animal Byproducts: Past, Present, and Future. Journal of Agricultural and Food Chemistry, 2020, 68, 8093-8103.	5.2	12
6	Detection of ornamental transgenic fish by real-time PCR and fluorescence microscopy. Transgenic Research, 2020, 29, 283-294.	2.4	3
7	Proteomics based approach for edible insect fingerprinting in novel food: Differential efficiency according to selected model species. Food Control, 2020, 112, 107135.	5.5	8
8	Detection and identification of transgenic events by next generation sequencing combined with enrichment technologies. Scientific Reports, 2019, 9, 15595.	3.3	25
9	PCR Techniques for Detection and Quantification of GMOs. , 2019, , 115-154.		0
10	Development of Real-time PCR Assays for the Detection of the pin II Terminator (tpinII) Used in GM Constructs and Its Donor Organism, Potato (Solanum tuberosum). Food Analytical Methods, 2018, 11, 2172-2180.	2.6	2
11	Detection of Transgenic Atlantic and Coho Salmon by Real-time PCR. Food Analytical Methods, 2018, 11, 2396-2406.	2.6	7
12	Inter-laboratory analysis of selected genetically modified plant reference materials with digital PCR. Analytical and Bioanalytical Chemistry, 2018, 410, 211-221.	3.7	11
13	Detection of Hermetia illucens by real-time PCR. Journal of Insects As Food and Feed, 2018, 4, 115-122.	3.9	16
14	Detection by real-time PCR and pyrosequencing of the<i>cry</i>1Ab and<i>cry</i>1Ac genes introduced in genetically modified (GM) constructs. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2017, 34, 1398-1409.	2.3	5
15	Collaborative study on the effect of grinding on the detection of bones from processed animal proteins in feed by light microscopy. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2017, 34, 1451-1460.	2.3	2
16	Development of real-time PCR tests for the detection of<i>Tenebrio molitor</i>in food and feed. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2017, 34, 1421-1426.	2.3	24
17	Multi-laboratory evaluation of a PCR method for detection of ruminant DNA in commercial processed animal proteins. Food Control, 2017, 73, 140-146.	5.5	8
18	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. Food Control, 2017, 73, 452-461.	5.5	14

#	Article	IF	Citations
19	Guidelines for validation of qualitative real-time PCR methods. Trends in Food Science and Technology, 2014, 37, 115-126.	15.1	346
20	Determination of the ruminant origin of bone particles using fluorescence in situ hybridization (FISH). Scientific Reports, 2014, 4, 5730.	3.3	7
21	Development of 10 new screening PCR assays for GMO detection targeting promoters (pFMV, pNOS,) Tj ETQq1 1 0.784314 rgBT /Ov Technology, 2013, 236, 659-669.	3.3	36
22	Development and Validation of Duplex, Triplex, and Pentaplex Real-Time PCR Screening Assays for the Detection of Genetically Modified Organisms in Food and Feed. Journal of Agricultural and Food Chemistry, 2013, 61, 10293-10301.	5.2	58
23	The GMOseek matrix: a decision support tool for optimizing the detection of genetically modified plants. BMC Bioinformatics, 2013, 14, 256.	2.6	39
24	Kernel Lot Distribution Assessment (KeLDA): a Comparative Study of Protein and DNA-Based Detection Methods for GMO Testing. Food Analytical Methods, 2013, 6, 210-220.	2.6	16
25	Detection and identification of animal by-products in animal feed for the control of transmissible spongiform encephalopathies. , 2012, , 94-113.		5
26	DNA Detection by Conventional and Real-Time PCR After Extraction from Vegetable Oils. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 1249.	1.9	18
27	Design of multiplex calibrant plasmids, their use in GMO detection and the limit of their applicability for quantitative purposes owing to competition effects. Analytical and Bioanalytical Chemistry, 2010, 396, 2151-2164.	3.7	23
28	Evaluation of Different Machines Used to Quantify Genetic Modification by Real-Time PCR. Journal of AOAC INTERNATIONAL, 2010, 93, 1243-1248.	1.5	4
29	Development of a real-time PCR protocol for the species origin confirmation of isolated animal particles detected by NIRM. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2010, 27, 1118-1127.	2.3	15
30	Novel approach for interlaboratory transfer of real-time PCR methods: detecting bovine meat and bone meal in feed. Analytical and Bioanalytical Chemistry, 2009, 394, 1423-1431.	3.7	17
31	A PCR-microarray method for the screening of genetically modified organisms. European Food Research and Technology, 2009, 228, 531-541.	3.3	56
32	New developments in the detection and identification of processed animal proteins in feeds. Animal Feed Science and Technology, 2007, 133, 63-83.	2.2	62
33	Detection of Ruminant Meat and Bone Meals in Animal Feed by Real-Time Polymerase Chain Reaction:â€‰ Result of an Interlaboratory Study. Journal of Agricultural and Food Chemistry, 2007, 55, 7495-7501.	5.2	49
34	Identification of Lactic Acid Bacteria within the Consortium of a Kefir Grain by Sequencing 16S rDNA Variable Regions. Journal of AOAC INTERNATIONAL, 2007, 90, 1111-1117.	1.5	23
35	Physical degradation of genomic DNA of soybean flours does not impair relative quantification of its transgenic content. European Food Research and Technology, 2007, 226, 273-280.	3.3	36
36	Effective PCR detection of animal species in highly processed animal byproducts and compound feeds. Analytical and Bioanalytical Chemistry, 2006, 385, 1045-1054.	3.7	89

#	Article	IF	Citations
37	Kernel lot distribution assessment (KeLDA): a study on the distribution of GMO in large soybean shipments. European Food Research and Technology, 2006, 224, 129-139.	3.3	35
38	Determination of processed animal proteins in feed: The performance characteristics of classical microscopy and immunoassay methods. Food Additives and Contaminants, 2006, 23, 252-264.	2.0	12
39	Quantitative determination of Roundup Ready soybean (Glycine max) extracted from highly processed flour. Analytical and Bioanalytical Chemistry, 2005, 383, 282-290.	3.7	43
40	Discriminating animal fats and their origins: assessing the potentials of Fourier transform infrared spectroscopy, gas chromatography, immunoassay and polymerase chain reaction techniques. Analytical and Bioanalytical Chemistry, 2005, 382, 1073-1083.	3.7	34
41	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. Journal of AOAC INTERNATIONAL, 2005, 88, 1399-1403.	1.5	29
42	Determination of Processed Animal Proteins, Including Meat and Bone Meal, in Animal Feed. Journal of AOAC INTERNATIONAL, 2004, 87, 1334-1341.	1.5	41
43	Identification on Commercialized Products of AFLP Markers Able To Discriminate Slow- from Fast-Growing Chicken Strains. Journal of Agricultural and Food Chemistry, 2003, 51, 1115-1119.	5.2	8
44	An overview of tests for animal tissues in feeds applied in response to public health concerns regarding bovine spongiform encephalopathy. OIE Revue Scientifique Et Technique, 2003, 22, 311-331.	1.2	53
45	Nitrobacter winogradskyi cytochrome c oxidase genes are organized in a repeated gene cluster. Antonie Van Leeuwenhoek, 1996, 69, 305-315.	1.7	10
46	Positive and negative regulators of theSaccharomyces cerevisiaeÃ¢Â€Â˜PHO systemÃ¢Â€Â™ participate in several cell functions. FEMS Microbiology Letters, 1993, 108, 333-339.	1.8	25
47	The complete sequence of K3B, a 7Â·9 kb fragment betweenPGK1 andCRY1 on chromosome III, reveals the presence of seven open reading frames. Yeast, 1992, 8, 205-213.	1.7	11
48	The complete DNA sequence of yeast chromosome III. Nature, 1992, 357, 38-46.	27.8	924
49	Belgian science. Nature, 1992, 360, 10-10.	27.8	3
50	The YDp plasmids: A uniform set of vectors bearing versatile gene disruption cassettes forSaccharomyces cerevisiae. Yeast, 1991, 7, 475-477.	1.7	372
51	The yeast regulatory genePHO4 encodes a helix-loop-helix motif. Yeast, 1990, 6, 451-454.	1.7	44
52	Negative regulatory elements of the Saccharomyces cerevisiae PHO system: interaction between PHO80 and PHO85 proteins. Gene, 1990, 96, 181-188.	2.2	14
53	Studies on the structure, expression and function of the yeast regulatory gene PH02. Gene, 1988, 66, 307-312.	2.2	42