

Esther J Kok

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,913
citations

159585

30
h-index

128289

60
g-index

83
all docs

83
docs citations

83
times ranked

3325
citing authors

#	ARTICLE	IF	CITATIONS
1	GMO Genetic Elements Thesaurus (GMO-GET): a controlled vocabulary for the consensus designation of introduced or modified genetic elements in genetically modified organisms. BMC Bioinformatics, 2021, 22, 48.	2.6	1
2	Digital twins in agri-food : Societal and ethical themes and questions for further research. NJAS Impact in Agricultural and Life Sciences, 2021, 93, 98-125.	0.6	10
3	Molecular Characterization and Event-Specific Real-Time PCR Detection of Two Dissimilar Groups of Genetically Modified Petunia (Petunia x hybrida) Sold on the Market. Frontiers in Plant Science, 2020, 11, 1047.	3.6	4
4	Application of the Safe-by-Design Concept in Crop Breeding Innovation. International Journal of Environmental Research and Public Health, 2020, 17, 6420.	2.6	8
5	Use of omics analytical methods in the study of genetically modified maize varieties tested in 90 days feeding trials. Food Chemistry, 2019, 292, 359-371.	8.2	13
6	Omics analyses of potato plant materials using an improved one-class classification tool to identify aberrant compositional profiles in risk assessment procedures. Food Chemistry, 2019, 292, 350-358.	8.2	12
7	Toward on-site food authentication using nanopore sequencing. Food Chemistry: X, 2019, 2, 100035.	4.3	17
8	Regulation and safety considerations of somatic cell nuclear transfer-cloned farm animals and their offspring used for food production. Theriogenology, 2019, 135, 85-93.	2.1	7
9	The application of multi-locus DNA metabarcoding in traditional medicines. Journal of Food Composition and Analysis, 2019, 79, 87-94.	3.9	9
10	Food and environmental safety assessment of new plant varieties after the European Court decision: Process-triggered or product-based?. Trends in Food Science and Technology, 2019, 88, 24-32.	15.1	10
11	Lack of adverse effects in subchronic and chronic toxicity/carcinogenicity studies on the glyphosate-resistant genetically modified maize NK603 in Wistar Han RCC rats. Archives of Toxicology, 2019, 93, 1095-1139.	4.2	40
12	Gene-Edited Crops: Towards a Harmonized Safety Assessment. Trends in Biotechnology, 2019, 37, 443-447.	9.3	29
13	Case studies on genetically modified organisms (GMOs): Potential risk scenarios and associated health indicators. Food and Chemical Toxicology, 2018, 117, 36-65.	3.6	37
14	Surveying selected European feed and livestock production chains for features enabling the case-specific post-market monitoring of livestock for intake and potential health impacts of animal feeds derived from genetically modified crops. Food and Chemical Toxicology, 2018, 117, 66-78.	3.6	16
15	Exposure of livestock to GM feeds: Detectability and measurement. Food and Chemical Toxicology, 2018, 117, 13-35.	3.6	13
16	EU court casts new plant breeding techniques into regulatory limbo. Nature Biotechnology, 2018, 36, 799-800.	17.5	47
17	The European Union Court's Advocate General's Opinion and new plant breeding techniques. Nature Biotechnology, 2018, 36, 573-575.	17.5	30
18	The assessment of field trials in GMO research around the world and their possible integration in field trials for variety registration. Transgenic Research, 2018, 27, 321-329.	2.4	17

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19	NGS-based amplicon sequencing approach; towards a new era in GMO screening and detection. Food Control, 2018, 93, 201-210.	5.5	19
20	Semiautomated TaqMan PCR screening of GMO labelled samples for (unauthorised) GMOs. Analytical and Bioanalytical Chemistry, 2017, 409, 3877-3889.	3.7	14
21	Novel TaqMan PCR screening methods for element cry3A and construct gat/T-pinII to support detection of both known and unknown GMOs. European Food Research and Technology, 2017, 243, 481-488.	3.3	3
22	Evaluation of a loop-mediated isothermal amplification (LAMP) method for rapid on-site detection of horse meat. Food Control, 2017, 81, 9-15.	5.5	20
23	ALF: a strategy for identification of unauthorized GMOs in complex mixtures by a GW-NGS method and dedicated bioinformatics analysis. Scientific Reports, 2017, 7, 14155.	3.3	16
24	Development and validation of a multi-locus DNA metabarcoding method to identify endangered species in complex samples. GigaScience, 2017, 6, 1-18.	6.4	75
25	SIGMO: A decision support System for Identification of genetically modified food or feed products. Food Control, 2017, 71, 168-177.	5.5	15
26	The Development of DNA Based Methods for the Reliable and Efficient Identification of Nicotiana tabacum Tobacco and Its Derived Products. International Journal of Analytical Chemistry, 2016, 2016, 1-6.	1.0	1
27	A case study to determine the geographical origin of unknown GM papaya in routine food sample analysis, followed by identification of papaya events 16-0-1 and 18-2-4. Food Chemistry, 2016, 213, 536-544.	8.2	13
28	Tuber proteome comparison of five potato varieties by principal component analysis. Journal of the Science of Food and Agriculture, 2016, 96, 3928-3936.	3.5	8
29	Advances in DNA metabarcoding for food and wildlife forensic species identification. Analytical and Bioanalytical Chemistry, 2016, 408, 4615-4630.	3.7	180
30	DNA enrichment approaches to identify unauthorized genetically modified organisms (GMOs). Analytical and Bioanalytical Chemistry, 2016, 408, 4575-4593.	3.7	29
31	Authentication of Closely Related Fish and Derived Fish Products Using Tandem Mass Spectrometry and Spectral Library Matching. Journal of Agricultural and Food Chemistry, 2016, 64, 3669-3677.	5.2	19
32	Application of whole genome shotgun sequencing for detection and characterization of genetically modified organisms and derived products. Analytical and Bioanalytical Chemistry, 2016, 408, 4595-4614.	3.7	43
33	Data on screening and identification of genetically modified papaya in food supplements. Data in Brief, 2016, 9, 43-46.	1.0	2
34	One-year oral toxicity study on a genetically modified maize MON810 variety in Wistar Han RCC rats (EU 7th Framework Programme project GRACE). Archives of Toxicology, 2016, 90, 2531-2562.	4.2	33
35	Proposed criteria for the evaluation of the scientific quality of mandatory rat and mouse feeding trials with whole food/feed derived from genetically modified plants. Archives of Toxicology, 2016, 90, 2287-2291.	4.2	3
36	Characterization and Transcriptional Profile of Genes Involved in Glycoalkaloid Biosynthesis in New Varieties of <i>Solanum tuberosum</i> L.. Journal of Agricultural and Food Chemistry, 2016, 64, 988-996.	5.2	23

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37	Genetic basis and detection of unintended effects in genetically modified crop plants. Transgenic Research, 2015, 24, 587-603.	2.4	124
38	Selection of Reference Genes for Transcriptional Analysis of Edible Tubers of Potato (Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	2.5	19
39	Ninety-day oral toxicity studies on two genetically modified maize MON810 varieties in Wistar Han RCC rats (EU 7th Framework Programme project GRACE). Archives of Toxicology, 2014, 88, 2289-2314.	4.2	55
40	Detecting authorized and unauthorized genetically modified organisms containing vip3A by real-time PCR and next-generation sequencing. Analytical and Bioanalytical Chemistry, 2014, 406, 2603-2611.	3.7	64
41	A high-throughput method for GMO multi-detection using a microfluidic dynamic array. Analytical and Bioanalytical Chemistry, 2014, 406, 1397-1410.	3.7	23
42	Plants with stacked genetically modified events: to assess or not to assess?. Trends in Biotechnology, 2014, 32, 70-73.	9.3	36
43	Safety assessment of plant varieties using transcriptomics profiling and a one-class classifier. Regulatory Toxicology and Pharmacology, 2014, 70, 297-303.	2.7	20
44	Safety aspects of genetically modified crops with abiotic stress tolerance. Trends in Food Science and Technology, 2014, 40, 115-122.	15.1	11
45	Practical Experiences with an Extended Screening Strategy for Genetically Modified Organisms (GMOs) in Real-Life Samples. Journal of Agricultural and Food Chemistry, 2013, 61, 9097-9109.	5.2	33
46	New EU legislation for risk assessment of GM food: no scientific justification for mandatory animal feeding trials. Plant Biotechnology Journal, 2013, 11, 781-784.	8.3	34
47	Safety of genetically modified (GM) crop ingredients in animal feed. , 2012, , 467-486.		0
48	The Identification and Interpretation of Differences in the Transcriptomes of Organically and Conventionally Grown Potato Tubers. Journal of Agricultural and Food Chemistry, 2012, 60, 2090-2101.	5.2	36
49	Halal assurance in food supply chains: Verification of halal certificates using audits and laboratory analysis. Trends in Food Science and Technology, 2012, 27, 109-119.	15.1	112
50	Traceability. , 2012, , 465-498.		5
51	Comparison and transfer testing of multiplex ligation detection methods for GM plants. BMC Biotechnology, 2012, 12, 4.	3.3	14
52	Development of a multiplex DNA-based traceability tool for crop plant materials. Analytical and Bioanalytical Chemistry, 2012, 402, 693-701.	3.7	22
53	Development and validation of real-time PCR screening methods for detection of cry1A.105 and cry2Ab2 genes in genetically modified organisms. Analytical and Bioanalytical Chemistry, 2011, 400, 1433-1442.	3.7	42
54	Increased efficacy for in-house validation of real-time PCR GMO detection methods. Analytical and Bioanalytical Chemistry, 2010, 396, 2213-2227.	3.7	18

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55	Gene expression profiling for food safety assessment: Examples in potato and maize. <i>Regulatory Toxicology and Pharmacology</i> , 2010, 58, S21-S25.	2.7	20
56	Towards a multiplex cereal traceability tool using padlock probe ligation on genomic DNA. <i>Food Chemistry</i> , 2010, 118, 966-973.	8.2	22
57	Comparison of two GM maize varieties with a near-isogenic non-GM variety using transcriptomics, proteomics and metabolomics. <i>Plant Biotechnology Journal</i> , 2010, 8, 436-451.	8.3	224
58	PVY ^{NTN} elicits a diverse gene expression response in different potato genotypes in the first 12Ah after inoculation. <i>Molecular Plant Pathology</i> , 2009, 10, 263-275.	4.2	97
59	Transcriptome Analysis of Potato Tubers—Effects of Different Agricultural Practices. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1612-1623.	5.2	46
60	Timely awareness and prevention of emerging chemical and biochemical risks in foods: Proposal for a strategy based on experience with recent cases. <i>Food and Chemical Toxicology</i> , 2009, 47, 992-1008.	3.6	33
61	Pollen-mediated gene flow in maize tested for coexistence of GM and non-GM crops in the Netherlands: effect of isolation distances between fields. <i>Njas - Wageningen Journal of Life Sciences</i> , 2009, 56, 405-423.	7.7	15
62	Validation of the performance of a GMO multiplex screening assay based on microarray detection. <i>European Food Research and Technology</i> , 2008, 227, 1621-1632.	3.3	48
63	Comparative safety assessment of plant-derived foods. <i>Regulatory Toxicology and Pharmacology</i> , 2008, 50, 98-113.	2.7	89
64	Optimised padlock probe ligation and microarray detection of multiple (non-authorised) GMOs in a single reaction. <i>BMC Genomics</i> , 2008, 9, 584.	2.8	47
65	Changes in Gene and Protein Expression during Tomato Ripening – Consequences for the Safety Assessment of New Crop Plant Varieties. <i>Food Science and Technology International</i> , 2008, 14, 503-518.	2.2	23
66	Assessment of representational difference analysis (RDA) to construct informative cDNA microarrays for gene expression analysis of species with limited transcriptome information, using red and green tomatoes as a model. <i>Journal of Plant Physiology</i> , 2007, 164, 337-349.	3.5	14
67	Evaluation of a Non-Targeted "Omic" Approach in the Safety Assessment of Genetically Modified Plants. <i>Plant Biology</i> , 2006, 8, 662-672.	3.8	21
68	Unintended effects and their detection in genetically modified crops. <i>Food and Chemical Toxicology</i> , 2004, 42, 1089-1125.	3.6	339
69	Detection and traceability of genetically modified organisms in the food production chain. <i>Food and Chemical Toxicology</i> , 2004, 42, 1157-1180.	3.6	274
70	Comparative safety assessment for biotech crops. <i>Trends in Biotechnology</i> , 2003, 21, 439-444.	9.3	144
71	Exploitation of molecular profiling techniques for GM food safety assessment. <i>Current Opinion in Biotechnology</i> , 2003, 14, 238-243.	6.6	111
72	Traceability of genetically modified organisms. <i>Expert Review of Molecular Diagnostics</i> , 2002, 2, 69-77.	3.1	30

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73	Safety aspects of novel foods. Food Research International, 2002, 35, 267-271.	6.2	25
74	DNA Methods: Critical Review of Innovative Approaches. Journal of AOAC INTERNATIONAL, 2002, 85, 797-800.	1.5	25
75	Substantial equivalence“an appropriate paradigm for the safety assessment of genetically modified foods?. Toxicology, 2002, 181-182, 427-431.	4.2	63
76	Assessment of the food safety issues related to genetically modified foods. Plant Journal, 2001, 27, 503-528.	5.7	454
77	Regulation and exploitation of genetically modified crops. Nature Biotechnology, 2001, 19, 1105-1110.	17.5	28
78	The application of DNA microarrays in gene expression analysis. Journal of Biotechnology, 2000, 78, 271-280.	3.8	197
79	Food safety assessment of marker genes in transgenic crops. Trends in Food Science and Technology, 1994, 5, 294-298.	15.1	7
80	Novel food products from genetically modified plants: do they need additional food safety regulations?. Trends in Food Science and Technology, 1993, 4, 42-48.	15.1	6