

# Marie-Alice Fraiture

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

792  
citations

471509

17  
h-index

526287

27  
g-index

37  
all docs

37  
docs citations

37  
times ranked

664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current and New Approaches in GMO Detection: Challenges and Solutions. BioMed Research International, 2015, 2015, 1-22.	1.9	98
2	How to Deal with the Upcoming Challenges in GMO Detection in Food and Feed. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-11.	3.0	61
3	Combining short and long read sequencing to characterize antimicrobial resistance genes on plasmids applied to an unauthorized genetically modified Bacillus. Scientific Reports, 2020, 10, 4310.	3.3	57
4	Statistical framework for detection of genetically modified organisms based on Next Generation Sequencing. Food Chemistry, 2016, 192, 788-798.	8.2	47
5	How Can We Better Detect Unauthorized GMOs in Food and Feed Chains?. Trends in Biotechnology, 2017, 35, 508-517.	9.3	41
6	An innovative and integrated approach based on DNA walking to identify unauthorised GMOs. Food Chemistry, 2014, 147, 60-69.	8.2	38
7	An integrated strategy combining DNA walking and NGS to detect GMOs. Food Chemistry, 2017, 232, 351-358.	8.2	33
8	Impact of DNA extraction on whole genome sequencing analysis for characterization and relatedness of Shiga toxin-producing Escherichia coli isolates. Scientific Reports, 2020, 10, 14649.	3.3	32
9	Validation of a sensitive DNA walking strategy to characterise unauthorised GMOs using model food matrices mimicking common rice products. Food Chemistry, 2015, 173, 1259-1265.	8.2	31
10	Biotech rice: Current developments and future detection challenges in food and feed chain. Trends in Food Science and Technology, 2016, 52, 66-79.	15.1	30
11	Nanopore sequencing technology: a new route for the fast detection of unauthorized GMO. Scientific Reports, 2018, 8, 7903.	3.3	26
12	Detection strategy targeting a chloramphenicol resistance gene from genetically modified bacteria in food and feed products. Food Control, 2020, 108, 106873.	5.5	23
13	The Benefits of Whole Genome Sequencing for Foodborne Outbreak Investigation from the Perspective of a National Reference Laboratory in a Smaller Country. Foods, 2020, 9, 1030.	4.3	23
14	Use of Whole Genome Sequencing Data for a First in Silico Specificity Evaluation of the RT-qPCR Assays Used for SARS-CoV-2 Detection. International Journal of Molecular Sciences, 2020, 21, 5585.	4.1	23
15	Integrated DNA walking system to characterize a broad spectrum of GMOs in food/feed matrices. BMC Biotechnology, 2015, 15, 76.	3.3	20
16	Validation strategy of a bioinformatics whole genome sequencing workflow for Shiga toxin-producing Escherichia coli using a reference collection extensively characterized with conventional methods. Microbial Genomics, 2021, 7, .	2.0	20
17	MinION sequencing technology to characterize unauthorized GM petunia plants circulating on the European Union market. Scientific Reports, 2019, 9, 7141.	3.3	18
18	Strategy for the identification of micro-organisms producing food and feed products: Bacteria producing food enzymes as study case. Food Chemistry, 2020, 305, 125431.	8.2	18

#	ARTICLE	IF	CITATIONS
19	DNA walking strategy to identify unauthorized genetically modified bacteria in microbial fermentation products. <i>International Journal of Food Microbiology</i> , 2021, 337, 108913.	4.7	18
20	New qualitative trait-specific SYBR <sup>®</sup> Green qPCR methods to expand the panel of GMO screening methods used in the CoSYPS. <i>European Food Research and Technology</i> , 2015, 241, 275-287.	3.3	17
21	Are antimicrobial resistance genes key targets to detect genetically modified microorganisms in fermentation products?. <i>International Journal of Food Microbiology</i> , 2020, 331, 108749.	4.7	17
22	Identification of an unauthorized genetically modified bacteria in food enzyme through whole-genome sequencing. <i>Scientific Reports</i> , 2020, 10, 7094.	3.3	14
23	Strategy to Detect Genetically Modified Bacteria Carrying Tetracycline Resistance Gene in Fermentation Products. <i>Food Analytical Methods</i> , 2020, 13, 1929-1937.	2.6	11
24	Retrospective survey of unauthorized genetically modified bacteria harbouring antimicrobial resistance genes in feed additive vitamin B2 commercialized in Belgium: Challenges and solutions. <i>Food Control</i> , 2021, 119, 107476.	5.5	10
25	Development of a Real-time PCR Method Targeting an Unauthorized Genetically Modified Microorganism Producing Alpha-Amylase. <i>Food Analytical Methods</i> , 2021, 14, 2211-2220.	2.6	9
26	Strategy to Develop and Evaluate a Multiplex RT-ddPCR in Response to SARS-CoV-2 Genomic Evolution. <i>Current Issues in Molecular Biology</i> , 2021, 43, 1937-1949.	2.4	9
27	Development and validation of an integrated DNA walking strategy to detect GMO expressing cry genes. <i>BMC Biotechnology</i> , 2018, 18, 40.	3.3	8
28	A new multiplex RT-qPCR method for the simultaneous detection and discrimination of Zika and chikungunya viruses. <i>International Journal of Infectious Diseases</i> , 2020, 92, 160-170.	3.3	7
29	Development of a real-time PCR marker targeting a new unauthorized genetically modified microorganism producing protease identified by DNA walking. <i>International Journal of Food Microbiology</i> , 2021, 354, 109330.	4.7	7
30	First monitoring for unauthorized genetically modified bacteria in food enzymes from the food market. <i>Food Control</i> , 2022, 135, 108665.	5.5	6
31	Food Enzyme Database (FEDA): a web application gathering information about food enzyme preparations available on the European market. <i>Database: the Journal of Biological Databases and Curation</i> , 2021, 2021, .	3.0	4
32	Non-Invasive versus Invasive Samples for Zika Virus Surveillance: A Comparative Study in New Caledonia and French Guiana in 2015â€“2016. <i>Microorganisms</i> , 2021, 9, 1312.	3.6	4
33	Characterization of Genetically Modified Microorganisms Using Short- and Long-Read Whole-Genome Sequencing Reveals Contaminations of Related Origin in Multiple Commercial Food Enzyme Products. <i>Foods</i> , 2021, 10, 2637.	4.3	4
34	CHAPTER 8. GMO Detection and Identification Using Next-generation Sequencing. <i>Food Chemistry, Function and Analysis</i> , 2019, , 96-106.	0.2	3
35	Development of a Taxon-Specific Real-Time PCR Method Targeting the <i>Bacillus subtilis</i> Group to Strengthen the Control of Genetically Modified Bacteria in Fermentation Products. <i>Fermentation</i> , 2022, 8, 78.	3.0	3
36	Detection and identification of authorized and unauthorized GMOs using high-throughput sequencing with the support of a sequence-based GMO database. <i>Food Chemistry Molecular Sciences</i> , 2022, 4, 100096.	2.1	2