

# Arne Holst-Jensen

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

4,074  
citations

94433

37  
h-index

114465

63  
g-index

71  
all docs

71  
docs citations

71  
times ranked

3480  
citing authors

#	ARTICLE	IF	CITATIONS
1	PCR technology for screening and quantification of genetically modified organisms (GMOs). <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 985-993.	3.7	313
2	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
3	Roundup Ready $\text{\AA}$ soybean event-specific real-time quantitative PCR assay and estimation of the practical detection and quantification limits in GMO analyses. <i>European Food Research and Technology</i> , 2001, 213, 432-438.	3.3	209
4	Advances in DNA metabarcoding for food and wildlife forensic species identification. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4615-4630.	3.7	180
5	Phylogeny and toxigenic potential is correlated in <i>Fusarium</i> species as revealed by partial translation elongation factor 1 alpha gene sequences. <i>Mycological Research</i> , 2005, 109, 173-186.	2.5	163
6	A quantitative TaqMan $\text{\AA}$ MGB real-time polymerase chain reaction based assay for detection of the causative agent of crayfish plague <i>Aphanomyces astaci</i> . <i>Veterinary Microbiology</i> , 2009, 137, 146-155.	1.9	149
7	Testing for genetically modified organisms (GMOs): Past, present and future perspectives. <i>Biotechnology Advances</i> , 2009, 27, 1071-1082.	11.7	144
8	Structural characteristics and possible horizontal transfer of group I introns between closely related plant pathogenic fungi. <i>Molecular Biology and Evolution</i> , 1999, 16, 114-126.	8.9	134
9	Detecting un-authorized genetically modified organisms (GMOs) and derived materials. <i>Biotechnology Advances</i> , 2012, 30, 1318-1335.	11.7	129
10	Comparison of nine different real-time PCR chemistries for qualitative and quantitative applications in GMO detection. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2023-2029.	3.7	125
11	Event specific real-time quantitative PCR for genetically modified Bt11 maize ( <i>Zea mays</i> ). <i>European Food Research and Technology</i> , 2003, 216, 347-354.	3.3	101
12	Multiplex Quantification of 12 European Union Authorized Genetically Modified Maize Lines with Droplet Digital Polymerase Chain Reaction. <i>Analytical Chemistry</i> , 2015, 87, 8218-8226.	6.5	100
13	Characterization of GM events by insert knowledge adapted re-sequencing approaches. <i>Scientific Reports</i> , 2013, 3, 2839.	3.3	89
14	High Throughput Sequencing for Detection of Foodborne Pathogens. <i>Frontiers in Microbiology</i> , 2017, 8, 2029.	3.5	88
15	The Modular Analytical Procedure and Validation Approach and the Units of Measurement for Genetically Modified Materials in Foods and Feeds. <i>Journal of AOAC INTERNATIONAL</i> , 2004, 87, 927-936.	1.5	84
16	Coherence between Legal Requirements and Approaches for Detection of Genetically Modified Organisms (GMOs) and Their Derived Products. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 2799-2809.	5.2	84
17	Nuclear rDNA phylogeny of the Sclerotiniaceae. <i>Mycologia</i> , 1997, 89, 885-899.	1.9	83
18	Phylogenetic analyses of the <i>Fusarium poae</i> , <i>Fusarium sporotrichioides</i> and <i>Fusarium langsethiae</i> species complex based on partial sequences of the translation elongation factor-1 alpha gene. <i>International Journal of Food Microbiology</i> , 2004, 95, 287-295.	4.7	81

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19	Molecular Phylogeny and Evolution of <i>Monilinia</i> (Sclerotiniaceae) based on coding and Noncoding rDNA Sequences. <i>American Journal of Botany</i> , 1997, 84, 686-701.	1.7	78
20	Development and validation of a multi-locus DNA metabarcoding method to identify endangered species in complex samples. <i>GigaScience</i> , 2017, 6, 1-18.	6.4	75
21	Detection and quantification of the crayfish plague agent in natural waters: direct monitoring approach for aquatic environments. <i>Diseases of Aquatic Organisms</i> , 2011, 95, 9-17.	1.0	70
22	Polyphasic re-examination of <i>Yarrowia lipolytica</i> strains and the description of three novel <i>Candida</i> species: <i>Candida oslonensis</i> sp. nov., <i>Candida alimentaria</i> sp. nov. and <i>Candida hollandica</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 2426-2435.	1.7	62
23	Equal Performance of TaqMan, MGB, Molecular Beacon, and SYBR Green-Based Detection Assays in Detection and Quantification of Roundup Ready Soybean. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 9658-9663.	5.2	58
24	Gene stacking in transgenic plants: towards compliance between definitions, terminology, and detection within the EU regulatory framework. <i>Environmental Biosafety Research</i> , 2008, 7, 197-218.	1.1	56
25	<i>Cortinarius</i> phylogeny and possible taxonomic implications of ITS rDNA sequences. <i>Mycologia</i> , 2000, 92, 694-710.	1.9	55
26	The postfire discomycete <i>Geopyxis carbonaria</i> (Ascomycota) is a biotrophic root associate with Norway spruce ( <i>Picea abies</i> ) in nature. <i>Molecular Ecology</i> , 1998, 7, 609-616.	3.9	54
27	Morphological, chemical and molecular differentiation of <i>Fusarium equiseti</i> isolated from Norwegian cereals. <i>International Journal of Food Microbiology</i> , 2005, 99, 195-206.	4.7	50
28	Monitoring the spore dynamics of <i>Aphanomyces astaci</i> in the ambient water of latent carrier crayfish. <i>Veterinary Microbiology</i> , 2012, 160, 99-107.	1.9	50
29	Influence of storage temperature on gene expression and virulence potential of <i>Listeria monocytogenes</i> strains grown in a salmon matrix. <i>Food Microbiology</i> , 2010, 27, 795-801.	4.2	46
30	<i>Cortinarius</i> Phylogeny and Possible Taxonomic Implications of ITS rDNA Sequences. <i>Mycologia</i> , 2000, 92, 694.	1.9	43
31	Phylogenetics of Helotiales and Rhytismatales Based on Partial Small Subunit Nuclear Ribosomal DNA Sequences. <i>Mycologia</i> , 2001, 93, 915.	1.9	43
32	Application of whole genome shotgun sequencing for detection and characterization of genetically modified organisms and derived products. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4595-4614.	3.7	43
33	Nuclear rDNA Phylogeny of the Sclerotiniaceae. <i>Mycologia</i> , 1997, 89, 885.	1.9	41
34	Characterisation of the 5' integration site and development of an event-specific real-time PCR assay for NK603 maize from a low starting copy number. <i>European Food Research and Technology</i> , 2004, 219, 421.	3.3	41
35	Dietary DNA in blood and organs of Atlantic salmon ( <i>Salmo salar</i> L.). <i>European Food Research and Technology</i> , 2005, 221, 1-8.	3.3	40
36	Development and inter-laboratory assessment of droplet digital PCR assays for multiplex quantification of 15 genetically modified soybean lines. <i>Scientific Reports</i> , 2017, 7, 8601.	3.3	40

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37	Novel Reference Gene, PKABA1, Used in a Duplex Real-Time Polymerase Chain Reaction for Detection and Quantitation of Wheat- and Barley-Derived DNA. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 682-687.	5.2	39
38	Microarray-based method for detection of unknown genetic modifications. <i>BMC Biotechnology</i> , 2007, 7, 91.	3.3	38
39	Design of a DNA chip for detection of unknown genetically modified organisms (GMOs). <i>Bioinformatics</i> , 2005, 21, 1917-1926.	4.1	35
40	Differentiation of Important and Closely Related Cereal Plant Species (Poaceae) in Food by Hybridization to an Oligonucleotide Array. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 8874-8880.	5.2	34
41	Genomic Origin and Organization of the Hybrid <i>Poa jemtlandica</i> (Poaceae) Verified by Genomic In Situ Hybridization and Chloroplast DNA Sequences. <i>Annals of Botany</i> , 2000, 85, 439-445.	2.9	33
42	A statistical approach for evaluation of PCR results to improve the practical limit of quantification (LOQ) of GMO analyses (SIMQUANT). <i>European Food Research and Technology</i> , 2008, 227, 1149-1157.	3.3	31
43	An integrated taxonomic study of <i>Fusarium langsethiae</i> , <i>Fusarium poae</i> and <i>Fusarium sporotrichioides</i> based on the use of composite datasets. <i>International Journal of Food Microbiology</i> , 2004, 95, 341-349.	4.7	30
44	DNA enrichment approaches to identify unauthorized genetically modified organisms (GMOs). <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4575-4593.	3.7	29
45	DNA microarray to detect and identify trichothecene- and moniliformin-producing <i>Fusarium</i> species. <i>Journal of Applied Microbiology</i> , 2006, 102, 061120055200047-???	3.1	27
46	Sampling, detection, identification and quantification of genetically modified organisms (GMOs). , 2007, , 231-268.		21
47	Characterization of unknown genetic modifications using high throughput sequencing and computational subtraction. <i>BMC Biotechnology</i> , 2009, 9, 87.	3.3	21
48	Simultaneous detection and identification of trichothecene- and moniliformin-producing <i>Fusarium</i> species based on multiplex SNP analysis. <i>Journal of Applied Microbiology</i> , 2006, 102, 061120055200046-???	3.1	20
49	On reliability. <i>New Phytologist</i> , 2004, 161, 11-13.	7.3	19
50	Differentiation of <i>Penicillium commune</i> and <i>Penicillium palitans</i> isolates from cheese and indoor environments of cheese factories using M13 fingerprinting. <i>Food Microbiology</i> , 2002, 19, 151-157.	4.2	18
51	The use of AFLP to relate cheese-contaminating <i>Penicillium</i> strains to specific points in the production plants. <i>International Journal of Food Microbiology</i> , 2003, 83, 195-204.	4.7	18
52	GMO testing—trade, labeling or safety first?. <i>Nature Biotechnology</i> , 2008, 26, 858-859.	17.5	18
53	Improved Sample Preparation for Real-Time PCR Detection of <i>Listeria monocytogenes</i> in Hot-Smoked Salmon using Filtering and Immunomagnetic Separation Techniques. <i>Food Analytical Methods</i> , 2009, 2, 23-29.	2.6	17
54	Multiplex Droplet Digital PCR Protocols for Quantification of GM Maize Events. <i>Methods in Molecular Biology</i> , 2018, 1768, 69-98.	0.9	17

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55	A synopsis of the genus <i>Scleromitrella</i> (= <i>Verpatinia</i> ) (Ascomycotina: Helotiales: Sclerotiniaceae). <i>Mycoscience</i> , 1997, 38, 55-69.	0.8	16
56	Persistence and distribution of intravenously injected DNA in blood and organs of Atlantic salmon ( <i>Salmo salar</i> L.). <i>European Food Research and Technology</i> , 2006, 222, 258-265.	3.3	16
57	Detection of Food-Derived Damaged Nucleosides with Possible Adverse Effects on Human Health Using a Global Adductomics Approach. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 6370-6375.	5.2	16
58	<i>Kohninia linnaeicola</i> , a new genus and species of the Sclerotiniaceae pathogenic to <i>Linnaea borealis</i> . <i>Mycologia</i> , 2004, 96, 135-142.	1.9	13
59	Non-prejudiced Detection and Characterization of Genetic Modifications. <i>Food Analytical Methods</i> , 2010, 3, 120-128.	2.6	12
60	Sclerotiniaceous species on <i>Rubus chamaemorus</i> : morphoanatomical and RFLP studies. <i>Mycological Research</i> , 1994, 98, 923-930.	2.5	9
61	A Molecular Genetic Analysis of <i>Eragrostis Tef</i> (Zucc.) Trotter: non-Coding Regions of Chloroplast DNA, 18S rDNA and the Transcription Factor VP1. <i>Hereditas</i> , 2004, 132, 193-202.	1.4	9
62	DNA-Fragments Are Transcytosed across CaCo-2 Cells by Adsorptive Endocytosis and Vesicular Mediated Transport. <i>PLoS ONE</i> , 2013, 8, e56671.	2.5	9
63	Anchored PCR for possible detection and characterisation of foreign integrated DNA at near single molecule level. <i>European Food Research and Technology</i> , 2008, 226, 949-956.	3.3	8
64	<i>Kohninia linnaeicola</i> , a New Genus and Species of the Sclerotiniaceae Pathogenic to <i>Linnaea borealis</i> . <i>Mycologia</i> , 2004, 96, 135.	1.9	7
65	Generation of Reference Material by the Use of Multiple Displacement Amplification (MDA) for the Detection of Genetically Modified Organisms (GMOs). <i>Food Analytical Methods</i> , 2008, 1, 181-189.	2.6	6
66	<i>Kohninia linnaeicola</i> , a new genus and species of the Sclerotiniaceae pathogenic to <i>Linnaea borealis</i> . <i>Mycologia</i> , 2004, 96, 135-42.	1.9	6
67	UniquePrimer " a web utility for design of specific PCR primers and probes. <i>Annals of Microbiology</i> , 2009, 59, 391-393.	2.6	2
68	Quantification of dietary DNA in tissues of Atlantic salmon ( <i>Salmo salar</i> L.) fed genetically modified feed ingredients. <i>Aquaculture Nutrition</i> , 2011, 17, e668-e674.	2.7	2
69	Decision Support for the Comparative Evaluation and Selection of Analytical Methods: Detection of Genetically Modified Organisms as an Example. <i>Food Analytical Methods</i> , 2018, 11, 2105-2122.	2.6	2