

# Litao Yang

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79  
papers

1,909  
citations

24  
h-index

41  
g-index

85  
ext. papers

2,180  
ext. citations

5.2  
avg, IF

4.46  
L-index

#	Paper	IF	Citations
79	Rice SIAH E3 Ligases Interact with RMD Formin and Affect Plant Morphology.. <i>Rice</i> , <b>2022</b> , 15, 6	5.8	0
78	PAM-free loop-mediated isothermal amplification coupled with CRISPR/Cas12a cleavage (Cas-PFLAMP) for rapid detection of rice pathogens.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 204, 114076	11.8	5
77	Development and performance evaluation of whole-genome sequencing with paired-end and mate-pair strategies in molecular characterization of GM crops: One GM rice 114-7-2 line as an example.. <i>Food Chemistry Molecular Sciences</i> , <b>2022</b> , 4, 100061	1	0
76	Collaborative Ring Trial of the Applicability of a Reference Plasmid DNA Calibrant in the Quantitative Analysis of GM Maize Event MON810. <i>Foods</i> , <b>2022</b> , 11, 1538	4.9	
75	Encodes a Type II Formin Required for Rice Morphogenesis.. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
74	Argonaute integrated single-tube PCR system enables supersensitive detection of rare mutations. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, e75	20.1	7
73	Ultrasensitive Hexaplex Droplet Digital Polymerase Chain Reaction Assay for Rapid Screening and Quantification of Genetically Modified Content. <i>ACS Agricultural Science and Technology</i> , <b>2021</b> , 1, 390-399		0
72	Universal LNA Probe-Mediated Multiplex Droplet Digital Polymerase Chain Reaction for Ultrasensitive and Accurate Quantitative Analysis of Genetically Modified Organisms. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 1705-1713	5.7	2
71	Mini-Disk Capillary Array Coupling with LAMP for Visual Detection of Multiple Nucleic Acids using Genetically Modified Organism Analysis as an Example. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 899-906	5.7	7
70	Rapid and sensitive screening and identification of CRISPR/Cas9 edited rice plants using quantitative real-time PCR coupled with high resolution melting analysis. <i>Food Control</i> , <b>2020</b> , 112, 107088	6.2	5
69	Comprehensive analysis of the molecular characterization of GM rice G6H1 using a paired-end sequencing approach. <i>Food Chemistry</i> , <b>2020</b> , 309, 125760	8.5	3
68	Novel Iodine-induced Cleavage Real-time PCR Assay for Accurate Quantification of Phosphorothioate Modified Sites in Bacterial DNA. <i>Scientific Reports</i> , <b>2019</b> , 9, 7485	4.9	4
67	Quantitative mapping of DNA phosphorothioatome reveals phosphorothioate heterogeneity of low modification frequency. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1008026	6	10
66	Inter-laboratory validation of visual loop-mediated isothermal amplification assays for GM contents screening. <i>Food Chemistry</i> , <b>2019</b> , 274, 659-663	8.5	5
65	The Rice Actin-Binding Protein RMD Regulates Light-Dependent Shoot Gravitropism. <i>Plant Physiology</i> , <b>2019</b> , 181, 630-644	6.6	9
64	Development of Certified Matrix-Based Reference Material as a Calibrator for Genetically Modified Rice G6H1 Analysis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 3708-3715	5.7	7
63	International collaborative ring trial of four gene-specific loop-mediated isothermal amplification assays in GMO analysis. <i>Food Control</i> , <b>2018</b> , 84, 278-283	6.2	12

62	Development and Interlaboratories Validation of Event-Specific Quantitative Real-Time PCR Method for Genetically Modified Rice G6H1 Event. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 8179-8186	5.7	5
61	NGS-based amplicon sequencing approach; towards a new era in GMO screening and detection. <i>Food Control</i> , <b>2018</b> , 93, 201-210	6.2	11
60	Droplet digital PCR (ddPCR) method for the detection and quantification of goat and sheep derivatives in commercial meat products. <i>European Food Research and Technology</i> , <b>2018</b> , 244, 767-774	3.4	15
59	Collaborative ring trial of two real-time PCR assays for the detection of porcine- and chicken-derived material in meat products. <i>PLoS ONE</i> , <b>2018</b> , 13, e0206609	3.7	3
58	Visual detection of multiple genetically modified organisms in a capillary array. <i>Lab on A Chip</i> , <b>2017</b> , 17, 521-529	7.2	18
57	New Techniques for Genetically Engineered Organism Analysis <b>2017</b> , 575-592		
56	One Novel Multiple-Target Plasmid Reference Molecule Targeting Eight Genetically Modified Canola Events for Genetically Modified Canola Detection. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 8489-8500	5.7	7
55	Endogenous Reference Genes and Their Quantitative Real-Time PCR Assays for Genetically Modified Bread Wheat ( <i>Triticum aestivum</i> L.) Detection. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1679, 259-268	1.4	2
54	Visual Detection of Multiple Nucleic Acids in a Capillary Array. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	2
53	A visual multiplex PCR microchip with easy sample loading. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , <b>2017</b> , 39, 525-534	1.4	1
52	Development of event-specific qualitative and quantitative PCR detection methods for the transgenic maize BVLA430101. <i>European Food Research and Technology</i> , <b>2016</b> , 242, 1277-1284	3.4	7
51	Development and inter-laboratory transfer of a decaplex polymerase chain reaction assay combined with capillary electrophoresis for the simultaneous detection of ten food allergens. <i>Food Chemistry</i> , <b>2016</b> , 199, 799-808	8.5	20
50	Metabolic changes in transgenic maize mature seeds over-expressing the <i>Aspergillus niger</i> phyA2. <i>Plant Cell Reports</i> , <b>2016</b> , 35, 429-37	5.1	13
49	Collaborative trial for the validation of event-specific PCR detection methods of genetically modified papaya Huanong No.1. <i>Food Chemistry</i> , <b>2016</b> , 194, 20-5	8.5	10
48	Plant Metabolomics: An Indispensable System Biology Tool for Plant Science. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	155
47	Development and application of a multi-targeting reference plasmid as calibrator for analysis of five genetically modified soybean events. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 2877-86	4.4	15
46	Development of certified matrix-based reference material of genetically modified rice event TT51-1 for real-time PCR quantification. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 6731-9	4.4	8
45	GMO detection in food and feed through screening by visual loop-mediated isothermal amplification assays. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 4829-34	4.4	35

44	GMO quantification: valuable experience and insights for the future. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 6485-97	4.4	47
43	Collaborative ring trial of the papaya endogenous reference gene and its polymerase chain reaction assays for genetically modified organism analysis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 11363-70	5.7	10
42	Development of event-specific PCR detection methods for genetically modified tomato Huafan No. 1. <i>Journal of the Science of Food and Agriculture</i> , <b>2013</b> , 93, 652-60	4.3	5
41	One simple DNA extraction device and its combination with modified visual loop-mediated isothermal amplification for rapid on-field detection of genetically modified organisms. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 75-82	7.8	53
40	Collaborative validation of an event-specific quantitative real-time PCR method for genetically modified rice event TT51-1 detection. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 5953-60	5.7	14
39	Evaluation of four endogenous reference genes and their real-time PCR assays for common wheat quantification in GMOs detection. <i>PLoS ONE</i> , <b>2013</b> , 8, e75850	3.7	10
38	Digital gene expression analysis of mature seeds of transgenic maize overexpressing <i>Aspergillus niger</i> phyA2 and its non-transgenic counterpart. <i>GM Crops and Food</i> , <b>2013</b> , 4, 98-108	2.7	8
37	Characterization of GM events by insert knowledge adapted re-sequencing approaches. <i>Scientific Reports</i> , <b>2013</b> , 3, 2839	4.9	69
36	Applicability of plasmid calibrant pTC1507 in quantification of TC1507 maize: an interlaboratory study. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 23-8	5.7	19
35	A multiplex degenerate PCR analytical approach targeting to eight genes for screening GMOs. <i>Food Chemistry</i> , <b>2012</b> , 132, 1566-1573	8.5	25
34	High sensitive detection of Cry1Ab protein using a quantum dot-based fluorescence-linked immunosorbent assay. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 2184-9	5.7	49
33	Development of the visual loop-mediated isothermal amplification assays for seven genetically modified maize events and their application in practical samples analysis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 5914-8	5.7	50
32	MPIC: a high-throughput analytical method for multiple DNA targets. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 1579-86	7.8	62
31	Establishment and application of event-specific polymerase chain reaction methods for two genetically modified soybean events, A2704-12 and A5547-127. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 13188-94	5.7	15
30	Establishment and In-House Validation of Simplex and Duplex PCR Methods for Event-Specific Detection of Maize SYN-E3272-5 Using a New Reference Molecule. <i>Journal of AOAC INTERNATIONAL</i> , <b>2010</b> , 93, 663-675	1.7	4
29	Evaluation of four genes in rice for their suitability as endogenous reference standards in quantitative PCR. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 11543-7	5.7	23
28	Evaluation of the impacts of different nuclear DNA content in the hull, endosperm, and embryo of rice seeds on GM rice quantification. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 4582-7	5.7	6
27	Applicability of a novel reference molecule suitable for event-specific detections of maize NK603 based on both 5' and 3' flanking sequences. <i>Food Control</i> , <b>2010</b> , 21, 927-934	6.2	5

26	Development and in-house validation of the event-specific qualitative and quantitative PCR detection methods for genetically modified cotton MON15985. <i>Journal of the Science of Food and Agriculture</i> , <b>2010</b> , 90, 402-8	4.3	12
25	Evaluation of the reliability of maize reference assays for GMO quantification. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 396, 2189-201	4.4	16
24	Estimation of the homoplasmy degree for transplastomic tobacco using quantitative real-time PCR. <i>European Food Research and Technology</i> , <b>2010</b> , 231, 143-150	3.4	5
23	Visual and Rapid Detection of Two Genetically Modified Soybean Events Using Loop-mediated Isothermal Amplification Method. <i>Food Analytical Methods</i> , <b>2010</b> , 3, 313-320	3.4	70
22	Characterization of the exogenous insert and development of event-specific PCR detection methods for genetically modified Huanong No. 1 papaya. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 7205-12	5.7	24
21	Development and in-house validation of a reference molecule pMIR604 for simplex and duplex event-specific identification and quantification of GM maize MIR604. <i>European Food Research and Technology</i> , <b>2009</b> , 230, 239-248	3.4	8
20	Applicability of the chymopapain gene used as endogenous reference gene for transgenic huanong no. 1 papaya detection. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 6502-9	5.7	24
19	Development and in-house validation of the event-specific polymerase chain reaction detection methods for genetically modified soybean MON89788 based on the cloned integration flanking sequence. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 10524-30	5.7	25
18	International collaborative study of the endogenous reference gene, sucrose phosphate synthase (SPS), used for qualitative and quantitative analysis of genetically modified rice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 3525-32	5.7	41
17	Simplex and Duplex Polymerase Chain Reaction Analysis of Herculex <sup>®</sup> RW (59122) Maize Based on One Reference Molecule Including Separated Fragments of 5 Integration Site and Endogenous Gene. <i>Journal of AOAC INTERNATIONAL</i> , <b>2009</b> , 92, 1472-1483	1.7	12
16	GMDD: a database of GMO detection methods. <i>BMC Bioinformatics</i> , <b>2008</b> , 9, 260	3.6	90
15	International collaborative study of the endogenous reference gene LAT52 used for qualitative and quantitative analyses of genetically modified tomato. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 3438-43	5.7	21
14	Qualitative and quantitative event-specific PCR detection methods for oxy-235 canola based on the 3Sintegration flanking sequence. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 1804-9	5.7	18
13	Development of one novel multiple-target plasmid for duplex quantitative PCR analysis of roundup ready soybean. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 5514-20	5.7	42
12	A novel universal real-time PCR system using the attached universal duplex probes for quantitative analysis of nucleic acids. <i>BMC Molecular Biology</i> , <b>2008</b> , 9, 54	4.5	14
11	Interlaboratory Trial Validation of an Event-Specific Qualitative Polymerase Chain Reaction-Based Detection Method for Genetically Modified RT73 Rapeseed. <i>Journal of AOAC INTERNATIONAL</i> , <b>2007</b> , 90, 1639-1646	1.7	15
10	Event-specific quantitative detection of nine genetically modified maizes using one novel standard reference molecule. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 15-24	5.7	75
9	Event-specific qualitative and quantitative PCR detection of MON863 maize based upon the 3?-transgene integration sequence. <i>Journal of Cereal Science</i> , <b>2006</b> , 43, 250-257	3.8	36

8	Event-specific qualitative and quantitative polymerase chain reaction analysis for genetically modified canola T45. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 9735-40	5-7	29
7	Identification and quantification of three genetically modified insect resistant cotton lines using conventional and TaqMan real-time polymerase chain reaction methods. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 6222-9	5-7	48
6	Event specific qualitative and quantitative polymerase chain reaction detection of genetically modified MON863 maize based on the 5Stransgene integration sequence. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 9312-8	5-7	71
5	Validation of a tomato-specific gene, LAT52, used as an endogenous reference gene in qualitative and real-time quantitative PCR detection of transgenic tomatoes. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 183-90	5-7	65
4	Screening and construct-specific detection methods of transgenic Huafan No 1 tomato by conventional and real-time PCR. <i>Journal of the Science of Food and Agriculture</i> , <b>2005</b> , 85, 2159-2166	4-3	25
3	Estimating the copy number of transgenes in transformed rice by real-time quantitative PCR. <i>Plant Cell Reports</i> , <b>2005</b> , 23, 759-63	5-1	129
2	Qualitative and quantitative PCR methods for event-specific detection of genetically modified cotton Mon1445 and Mon531. <i>Transgenic Research</i> , <b>2005</b> , 14, 817-31	3-3	72
1	Novel Reference Gene, High-mobility-group protein I/Y, Used in Qualitative and Real-Time Quantitative Polymerase Chain Reaction Detection of Transgenic Rapeseed Cultivars. <i>Journal of AOAC INTERNATIONAL</i> , <b>2005</b> , 88, 577-584	1-7	44