Litao Yang

List of Publications by Citations

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	Plant Metabolomics: An Indispensable System Biology Tool for Plant Science. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	155
78	Estimating the copy number of transgenes in transformed rice by real-time quantitative PCR. *Plant Cell Reports*, **2005**, 23, 759-63	5.1	129
77	GMDD: a database of GMO detection methods. *BMC Bioinformatics*, **2008**, 9, 260	3.6	90
76	Event-specific quantitative detection of nine genetically modified maizes using one novel standard reference molecule. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 15-24	5.7	75
75	Qualitative and quantitative PCR methods for event-specific detection of genetically modified cotton Mon1445 and Mon531. *Transgenic Research*, **2005**, 14, 817-31	3.3	72
74	Event specific qualitative and quantitative polymerase chain reaction detection of genetically modified MON863 maize based on the 5Stransgene integration sequence. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 9312-8	5.7	71
73	Visual and Rapid Detection of Two Genetically Modified Soybean Events Using Loop-mediated Isothermal Amplification Method. *Food Analytical Methods*, **2010**, 3, 313-320	3.4	70
72	Characterization of GM events by insert knowledge adapted re-sequencing approaches. *Scientific Reports*, **2013**, 3, 2839	4.9	69
71	Validation of a tomato-specific gene, LAT52, used as an endogenous reference gene in qualitative and real-time quantitative PCR detection of transgenic tomatoes. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 183-90	5.7	65
70	MPIC: a high-throughput analytical method for multiple DNA targets. *Analytical Chemistry*, **2011**, 83, 1579-86	7.8	62
69	One simple DNA extraction device and its combination with modified visual loop-mediated isothermal amplification for rapid on-field detection of genetically modified organisms. *Analytical Chemistry*, **2013**, 85, 75-82	7.8	53
68	Development of the visual loop-mediated isothermal amplification assays for seven genetically modified maize events and their application in practical samples analysis. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 5914-8	5.7	50
67	High sensitive detection of Cry1Ab protein using a quantum dot-based fluorescence-linked immunosorbent assay. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 2184-9	5.7	49
66	Identification and quantification of three genetically modified insect resistant cotton lines using conventional and TaqMan real-time polymerase chain reaction methods. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 6222-9	5.7	48
65	GMO quantification: valuable experience and insights for the future. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 6485-97	4.4	47
64	Novel Reference Gene, High-mobility-group protein I/Y, Used in Qualitative and Real-Time Quantitative Polymerase Chain Reaction Detection of Transgenic Rapeseed Cultivars. *Journal of AOAC INTERNATIONAL*, **2005**, 88, 577-584	1.7	44
63	Development of one novel multiple-target plasmid for duplex quantitative PCR analysis of roundup ready soybean. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 5514-20	5.7	42

62	International collaborative study of the endogenous reference gene, sucrose phosphate synthase (SPS), used for qualitative and quantitative analysis of genetically modified rice. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 3525-32	5.7	41
61	Event-specific qualitative and quantitative PCR detection of MON863 maize based upon the 3?-transgene integration sequence. *Journal of Cereal Science*, **2006**, 43, 250-257	3.8	36
60	GMO detection in food and feed through screening by visual loop-mediated isothermal amplification assays. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 4829-34	4.4	35
59	Event-specific qualitative and quantitative polymerase chain reaction analysis for genetically modified canola T45. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 9735-40	5.7	29
58	A multiplex degenerate PCR analytical approach targeting to eight genes for screening GMOs. *Food Chemistry*, **2012**, 132, 1566-1573	8.5	25
57	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. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 10524-30	5.7	25
56	Screening and construct-specific detection methods of transgenic Huafan No 1 tomato by conventional and real-time PCR. *Journal of the Science of Food and Agriculture*, **2005**, 85, 2159-2166	4.3	25
55	Characterization of the exogenous insert and development of event-specific PCR detection methods for genetically modified Huanong No. 1 papaya. *Journal of Agricultural and Food Chemistry* , **2009**, 57, 7205-12	5.7	24
54	Applicability of the chymopapain gene used as endogenous reference gene for transgenic huanong no. 1 papaya detection. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 6502-9	5.7	24
53	Evaluation of four genes in rice for their suitability as endogenous reference standards in quantitative PCR. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 11543-7	5.7	23
52	International collaborative study of the endogenous reference gene LAT52 used for qualitative and quantitative analyses of genetically modified tomato. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 3438-43	5.7	21
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. *Food Chemistry*, **2016**, 199, 799-808	8.5	20
50	Applicability of plasmid calibrant pTC1507 in quantification of TC1507 maize: an interlaboratory study. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 23-8	5.7	19
49	Visual detection of multiple genetically modified organisms in a capillary array. *Lab on A Chip*, **2017**, 17, 521-529	7.2	18
48	Qualitative and quantitative event-specific PCR detection methods for oxy-235 canola based on the 3Sintegration flanking sequence. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 1804-9	5.7	18
47	Evaluation of the reliability of maize reference assays for GMO quantification. *Analytical and Bioanalytical Chemistry*, **2010**, 396, 2189-201	4.4	16
46	Development and application of a multi-targeting reference plasmid as calibrator for analysis of five genetically modified soybean events. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 2877-86	4.4	15
45	Establishment and application of event-specific polymerase chain reaction methods for two genetically modified soybean events, A2704-12 and A5547-127. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 13188-94	5.7	15

44	Interlaboratory Trial Validation of an Event-Specific Qualitative Polymerase Chain Reaction-Based Detection Method for Genetically Modified RT73 Rapeseed. *Journal of AOAC INTERNATIONAL*, **2007**, 90, 1639-1646	1.7	15
43	Droplet digital PCR (ddPCR) method for the detection and quantification of goat and sheep derivatives in commercial meat products. *European Food Research and Technology*, **2018**, 244, 767-774	3.4	15
42	Collaborative validation of an event-specific quantitative real-time PCR method for genetically modified rice event TT51-1 detection. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 5953-60	5.7	14
41	A novel universal real-time PCR system using the attached universal duplex probes for quantitative analysis of nucleic acids. *BMC Molecular Biology*, **2008**, 9, 54	4.5	14
40	Metabolic changes in transgenic maize mature seeds over-expressing the Aspergillus niger phyA2. *Plant Cell Reports*, **2016**, 35, 429-37	5.1	13
39	International collaborative ring trial of four gene-specific loop-mediated isothermal amplification assays in GMO analysis. *Food Control*, **2018**, 84, 278-283	6.2	12
38	Development and in-house validation of the event-specific qualitative and quantitative PCR detection methods for genetically modified cotton MON15985. *Journal of the Science of Food and Agriculture*, **2010**, 90, 402-8	4.3	12
37	Simplex and Duplex Polymerase Chain Reaction Analysis of Herculex RW (59122) Maize Based on One Reference Molecule Including Separated Fragments of 5 Integration Site and Endogenous Gene. *Journal of AOAC INTERNATIONAL*, **2009**, 92, 1472-1483	1.7	12
36	NGS-based amplicon sequencing approach; towards a new era in GMO screening and detection. *Food Control*, **2018**, 93, 201-210	6.2	11
35	Quantitative mapping of DNA phosphorothioatome reveals phosphorothioate heterogeneity of low modification frequency. *PLoS Genetics*, **2019**, 15, e1008026	6	10
34	Collaborative trial for the validation of event-specific PCR detection methods of genetically modified papaya Huanong No.1. *Food Chemistry*, **2016**, 194, 20-5	8.5	10
33	Collaborative ring trial of the papaya endogenous reference gene and its polymerase chain reaction assays for genetically modified organism analysis. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 11363-70	5.7	10
32	Evaluation of four endogenous reference genes and their real-time PCR assays for common wheat quantification in GMOs detection. *PLoS ONE*, **2013**, 8, e75850	3.7	10
31	The Rice Actin-Binding Protein RMD Regulates Light-Dependent Shoot Gravitropism. *Plant Physiology*, **2019**, 181, 630-644	6.6	9
30	Development of certified matrix-based reference material of genetically modified rice event TT51-1 for real-time PCR quantification. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 6731-9	4.4	8
29	Digital gene expression analysis of mature seeds of transgenic maize overexpressing Aspergillus niger phyA2 and its non-transgenic counterpart. *GM Crops and Food*, **2013**, 4, 98-108	2.7	8
28	Development and in-house validation of a reference molecule pMIR604 for simplex and duplex event-specific identification and quantification of GM maize MIR604. *European Food Research and Technology*, **2009**, 230, 239-248	3.4	8
27	Development of Certified Matrix-Based Reference Material as a Calibrator for Genetically Modified Rice G6H1 Analysis. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 3708-3715	5.7	7

26	Development of event-specific qualitative and quantitative PCR detection methods for the transgenic maize BVLA430101. *European Food Research and Technology*, **2016**, 242, 1277-1284	3.4	7
25	One Novel Multiple-Target Plasmid Reference Molecule Targeting Eight Genetically Modified Canola Events for Genetically Modified Canola Detection. *Journal of Agricultural and Food Chemistry* , **2017**, 65, 8489-8500	5.7	7
24	Mini-Disk Capillary Array Coupling with LAMP for Visual Detection of Multiple Nucleic Acids using Genetically Modified Organism Analysis as an Example. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 899-906	5.7	7
23	Argonaute integrated single-tube PCR system enables supersensitive detection of rare mutations. *Nucleic Acids Research*, **2021**, 49, e75	20.1	7
22	Evaluation of the impacts of different nuclear DNA content in the hull, endosperm, and embryo of rice seeds on GM rice quantification. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 4582-7	5.7	6
21	Development and Interlaboratories Validation of Event-Specific Quantitative Real-Time PCR Method for Genetically Modified Rice G6H1 Event. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 8179-8186	5.7	5
20	Inter-laboratory validation of visual loop-mediated isothermal amplification assays for GM contents screening. *Food Chemistry*, **2019**, 274, 659-663	8.5	5
19	Development of event-specific PCR detection methods for genetically modified tomato Huafan No. 1. *Journal of the Science of Food and Agriculture*, **2013**, 93, 652-60	4.3	5
18	Applicability of a novel reference molecule suitable for event-specific detections of maize NK603 based on both 5? and 3? flanking sequences. *Food Control*, **2010**, 21, 927-934	6.2	5
17	Estimation of the homoplasmy degree for transplastomic tobacco using quantitative real-time PCR. *European Food Research and Technology*, **2010**, 231, 143-150	3.4	5
16	PAM-free loop-mediated isothermal amplification coupled with CRISPR/Cas12a cleavage (Cas-PfLAMP) for rapid detection of rice pathogens.. *Biosensors and Bioelectronics*, **2022**, 204, 114076	11.8	5
15	Rapid and sensitive screening and identification of CRISPR/Cas9 edited rice plants using quantitative real-time PCR coupled with high resolution melting analysis. *Food Control*, **2020**, 112, 107088	6.2	5
14	Novel Iodine-induced Cleavage Real-time PCR Assay for Accurate Quantification of Phosphorothioate Modified Sites in Bacterial DNA. *Scientific Reports*, **2019**, 9, 7485	4.9	4
13	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. *Journal of AOAC INTERNATIONAL*, **2010**, 93, 663-675	1.7	4
12	Comprehensive analysis of the molecular characterization of GM rice G6H1 using a paired-end sequencing approach. *Food Chemistry*, **2020**, 309, 125760	8.5	3
11	Collaborative ring trial of two real-time PCR assays for the detection of porcine- and chicken-derived material in meat products. *PLoS ONE*, **2018**, 13, e0206609	3.7	3
10	Endogenous Reference Genes and Their Quantitative Real-Time PCR Assays for Genetically Modified Bread Wheat (Triticum aestivum L.) Detection. *Methods in Molecular Biology*, **2017**, 1679, 259-268	1.4	2
9	Visual Detection of Multiple Nucleic Acids in a Capillary Array. *Journal of Visualized Experiments*, **2017**,	1.6	2

8	Universal LNA Probe-Mediated Multiplex Droplet Digital Polymerase Chain Reaction for Ultrasensitive and Accurate Quantitative Analysis of Genetically Modified Organisms. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 1705-1713	5.7	2
7	Encodes a Type II Formin Required for Rice Morphogenesis.. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
6	A visual multiplex PCR microchip with easy sample loading. *Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji*, **2017**, 39, 525-534	1.4	1
5	Rice SIAH E3 Ligases Interact with RMD Formin and Affect Plant Morphology.. *Rice*, **2022**, 15, 6	5.8	0
4	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.. *Food Chemistry Molecular Sciences*, **2022**, 4, 100061	1	0
3	Ultrasensitive Hexaplex Droplet Digital Polymerase Chain Reaction Assay for Rapid Screening and Quantification of Genetically Modified Content. *ACS Agricultural Science and Technology*, **2021**, 1, 390-399		0
2	New Techniques for Genetically Engineered Organism Analysis **2017**, 575-592		
1	Collaborative Ring Trial of the Applicability of a Reference Plasmid DNA Calibrant in the Quantitative Analysis of GM Maize Event MON810. *Foods*, **2022**, 11, 1538	4.9	