Yiji Xia

List of Publications by Year
in descending order

62 papers	6,926 citations	136950 32 h-index	138484 58 g-index
65 all docs	65 docs citations	65 times ranked	8081 citing authors

#	Article	IF	Citations
1	Nitric oxide functions as a signal in plant disease resistance. Nature, 1998, 394, 585-588.	27.8	1,686
2	Activation Tagging Identifies a Conserved MYB Regulator of Phenylpropanoid Biosynthesis. Plant Cell, 2000, 12, 2383-2393.	6.6	1,310
3	Activation Tagging in Arabidopsis. Plant Physiology, 2000, 122, 1003-1014.	4.8	896
4	An extracellular aspartic protease functions in Arabidopsis disease resistance signaling. EMBO Journal, 2004, 23, 980-988.	7.8	311
5	The relationship between genetic and physical distances in the cloned a1-sh2 interval of the Zea mays L. genome.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 8268-8272.	7.1	184
6	Activation Tagging Identifies a Conserved MYB Regulator of Phenylpropanoid Biosynthesis. Plant Cell, 2000, 12, 2383.	6.6	145
7	AtNUDT7, a Negative Regulator of Basal Immunity in Arabidopsis, Modulates Two Distinct Defense Response Pathways and Is Involved in Maintaining Redox Homeostasis. Plant Physiology, 2007, 145, 204-215.	4.8	127
8	An Arabidopsis aspartic protease functions as an antiâ€cellâ€death component in reproduction and embryogenesis. EMBO Reports, 2005, 6, 282-288.	4.5	126
9	Calmodulin-binding protein CBP60g is a positive regulator of both disease resistance and drought tolerance in Arabidopsis. Plant Cell Reports, 2012, 31, 1269-1281.	5.6	117
10	Analysis of banana transcriptome and global gene expression profiles in banana roots in response to infection by race 1 and tropical race 4 of Fusarium oxysporum f. sp. cubense. BMC Genomics, 2013, 14, 851.	2.8	112
11	Cloning and characterization of CER2, an Arabidopsis gene that affects cuticular wax accumulation.. Plant Cell, 1996, 8, 1291-1304.	6.6	108
12	Analysis of different strategies adapted by two cassava cultivars in response to drought stress: ensuring survival or continuing growth. Journal of Experimental Botany, 2015, 66, 1477-1488.	4.8	105
13	Arabidopsis Extra Large G-Protein 2 (XLG2) Interacts with the GÎ² Subunit of Heterotrimeric G Protein and Functions in Disease Resistance. Molecular Plant, 2009, 2, 513-525.	8.3	99
14	The <i>Arabidopsis</i> gene <i>SIGMA FACTORâ€BINDING PROTEIN 1</i> plays a role in the salicylateâ€and jasmonateâ€mediated defence responses. Plant, Cell and Environment, 2010, 33, 828-839.	5.7	96
15	Identification of redoxâ€sensitive cysteines in the Arabidopsis proteome using OxiTRAQ, a quantitative redox proteomics method. Proteomics, 2014, 14, 750-762.	2.2	81
16	The Arabidopsis Uâ€“box/<scp>ARM</scp> repeat E3 ligase At<scp>PUB</scp>4 influences growth and degeneration of tapetal cells, and its mutation leads to conditional male sterility. Plant Journal, 2013, 74, 511-523.	5.7	77
17	NAD ⁺ -capped RNAs are widespread in the <i>Arabidopsis</i> transcriptome and can probably be translated. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12094-12102.	7.1	77
18	Proteases in pathogenesis and plant defence. Cellular Microbiology, 2004, 6, 905-913.	2.1	74

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19	Proanthocyanidins Inhibit Seed Germination by Maintaining a High Level of Abscisic Acid in <i>Arabidopsis thaliana</i>^F. Journal of Integrative Plant Biology, 2012, 54, 663-673.	8.5	71
20	Proteomic Analysis of Early-Responsive Redox-Sensitive Proteins in <i>Arabidopsis</i>. Journal of Proteome Research, 2012, 11, 412-424.	3.7	69
21	Emerging Roles of microRNAs in Plant Heavy Metal Tolerance and Homeostasis. Journal of Agricultural and Food Chemistry, 2020, 68, 1958-1965.	5.2	69
22	EXTRA-LARGE G PROTEINs Interact with E3 Ligases PUB4 and PUB2 and Function in Cytokinin and Developmental Processes. Plant Physiology, 2017, 173, 1235-1246.	4.8	61
23	NAD tagSeq reveals that NAD ⁺ -capped RNAs are mostly produced from a large number of protein-coding genes in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12072-12077.	7.1	61
24	New insights into Arabidopsis transcriptome complexity revealed by direct sequencing of native RNAs. Nucleic Acids Research, 2020, 48, 7700-7711.	14.5	57
25	AtPPR2, an Arabidopsis pentatricopeptide repeat protein, binds to plastid 23S rRNA and plays an important role in the first mitotic division during gametogenesis and in cell proliferation during embryogenesis. Plant Journal, 2011, 67, 13-25.	5.7	47
26	Reduced ABA Accumulation in the Root System is Caused by ABA Exudation in Upland Rice (Oryza sativa) Tj ETQq0 0 0 rgBT /Overlock 1	3.1	47
27	EXPO and Autophagosomes are Distinct Organelles in Plants. Plant Physiology, 2015, 169, pp.00953.2015.	4.8	43
28	Prediction of reversible disulfide based on features from local structural signatures. BMC Genomics, 2017, 18, 279.	2.8	42
29	Bisphenol S induced epigenetic and transcriptional changes in human breast cancer cell line MCF-7. Environmental Pollution, 2019, 246, 697-703.	7.5	42
30	Signals for local and systemic responses of plants to pathogen attack. Journal of Experimental Botany, 2003, 55, 169-179.	4.8	41
31	Proteomic identification of early salicylate- and flg22-responsive redox-sensitive proteins in Arabidopsis. Scientific Reports, 2015, 5, 8625.	3.3	41
32	Signal motifs-dependent ER export of Qc-SNARE BET12 interacts with MEMB12 and affects PR1 trafficking in <i>Arabidopsis</i>. Journal of Cell Science, 2018, 131, .	2.0	39
33	A novel pathogenicity determinant hijacks maize catalase 1 to enhance viral multiplication and infection. New Phytologist, 2021, 230, 1126-1141.	7.3	34
34	The ammonium/nitrate ratio is an input signal in the temperatureâ€modulated, <i><scp>SNC</scp>1</i>â€mediated and <i><scp>EDS</scp>1</i>â€dependent autoimmunity of <i>nudt6â€2Ânudt7</i>. Plant Journal, 2013, 73, 262-275.	5.7	33
35	PlaMoM: a comprehensive database compiles plant mobile macromolecules. Nucleic Acids Research, 2017, 45, D1021-D1028.	14.5	33
36	Unequal Sister Chromatid and Homolog Recombination at a Tandem Duplication of the a1 Locus in Maize. Genetics, 2006, 173, 2211-2226.	2.9	31

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37	The role of AtNUDT7, a Nudix hydrolase, in the plant defense response. Plant Signaling and Behavior, 2008, 3, 119-120.	2.4	31
38	AtDsPTP1 acts as a negative regulator in osmotic stress signalling during Arabidopsis seed germination and seedling establishment. Journal of Experimental Botany, 2015, 66, 1339-1353.	4.8	31
39	<i>Arabidopsis</i> DXO1 possesses deNADding and exonuclease activities and its mutation affects defenseâ€related and photosynthetic gene expression. Journal of Integrative Plant Biology, 2020, 62, 967-983.	8.5	29
40	Systemsâ€level quantification of division timing reveals a common genetic architecture controlling asynchrony and fate asymmetry. Molecular Systems Biology, 2015, 11, 814.	7.2	27
41	SPAAC-NAD-seq, a sensitive and accurate method to profile NAD ⁺ -capped transcripts. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	26
42	Arabidopsis PARG1 is the key factor promoting cell survival among the enzymes regulating post-translational poly(ADP-ribosyl)ation. Scientific Reports, 2015, 5, 15892.	3.3	23
43	TheArabidopsisgeneDIG6encodes a large 60S subunit nuclear export GTPase 1 that is involved in ribosome biogenesis and affects multiple auxin-regulated development processes. Journal of Experimental Botany, 2015, 66, 6863-6875.	4.8	21
44	Redoxâ€sensitive <scp>bZIP</scp>68 plays a role in balancing stress tolerance with growth in Arabidopsis. Plant Journal, 2019, 100, 768-783.	5.7	21
45	Use of NAD tagSeq II to identify growth phase-dependent alterations in <i>E. coli</i> RNA NAD ⁺ capping. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	17
46	Arabidopsis PUB2 and PUB4 connect signaling components of patternâ€triggered immunity. New Phytologist, 2022, 233, 2249-2265.	7.3	17
47	Ssk1p-Independent Activation of Ssk2p Plays an Important Role in the Osmotic Stress Response in Saccharomyces cerevisiae: Alternative Activation of Ssk2p in Osmotic Stress. PLoS ONE, 2013, 8, e54867.	2.5	14
48	NAD tagSeq for transcriptome-wide identification and characterization of NAD+-capped RNAs. Nature Protocols, 2020, 15, 2813-2836.	12.0	13
49	Arabidopsis MAPKK kinases YODA, MAPKKK3, and MAPKKK5 are functionally redundant in development and immunity. Plant Physiology, 2022, 190, 206-210.	4.8	12
50	Growth asymmetry precedes differential auxin response during apical hook initiation in <i>Arabidopsis</i>. Journal of Integrative Plant Biology, 2022, 64, 5-22.	8.5	11
51	The caseinolytic protease complex component CLPC1 in Arabidopsis maintains proteome and RNA homeostasis in chloroplasts. BMC Plant Biology, 2018, 18, 192.	3.6	9
52	Two domain-disrupted hda6 alleles have opposite epigenetic effects on transgenes and some endogenous targets. Scientific Reports, 2015, 5, 17832.	3.3	8
53	AtHDA6 functions as an H3K18ac eraser to maintain pericentromeric CHG methylation in Arabidopsis thaliana. Nucleic Acids Research, 2021, 49, 9755-9767.	14.5	6
54	Functional Analysis of Cotton DELLA-Like Genes that are Differentially Regulated during Fiber Development. Plant Molecular Biology Reporter, 2012, 30, 1014-1024.	1.8	3

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55	Methods for Analysis of Disease Resistance and the Defense Response in Arabidopsis. Methods in Molecular Biology, 2013, 1043, 55-66.	0.9	3
56	The Role of Meiotic Recombination in Generating Novel Genetic Variability. , 1996, , 103-110.		3
57	Identification and Verification of Redox-Sensitive Proteins in Arabidopsis thaliana. Methods in Molecular Biology, 2011, 876, 83-94.	0.9	2
58	Cloning and Characterization of CER2, an Arabidopsis Gene That Affects Cuticular Wax Accumulation. Plant Cell, 1996, 8, 1291.	6.6	1
59	Chapter Seven Biopanning by activation tagging. Recent Advances in Phytochemistry, 2002, 36, 111-123.	0.5	0
60	Analyzing and Predicting Phloem Mobility of Macromolecules with an Online Database. Methods in Molecular Biology, 2019, 2014, 433-438.	0.9	0
61	Redox Proteome Perturbation in Arabidopsis upon Pseudomonas syringae Infection. Journal of Proteomics and Bioinformatics, 2019, 12, .	0.4	0
62	Molecular Cloning and Characterization of Genes Involved in Cuticular Wax Biosynthesis. , 1995, , 127-130.		0