Jianqiang Wu

List of Publications by Year
in descending order

70 papers	4,423 citations	117571 34 h-index	110317 64 g-index
73 all docs	73 docs citations	73 times ranked	4884 citing authors

#	Article	IF	Citations
1	Inter-species mRNA transfer among green peach aphids, dodder parasites, and cucumber host plants. Plant Diversity, 2022, 44, 1-10.	1.8	18
2	ZmMPK6 and ethylene signalling negatively regulate the accumulation of antiâ€insect metabolites DIMBOA and DIMBOAâ€Glc in maize inbred line A188. New Phytologist, 2021, 229, 2273-2287.	3.5	19
3	<i>Mythimna separata</i> herbivory primes maize resistance in systemic leaves. Journal of Experimental Botany, 2021, 72, 3792-3805.	2.4	12
4	Herbivory-induced systemic signals are likely to be evolutionarily conserved in euphyllophytes. Journal of Experimental Botany, 2021, 72, 7274-7284.	2.4	6
5	Parasite dodder enables transfer of bidirectional systemic nitrogen signals between host plants. Plant Physiology, 2021, 185, 1395-1410.	2.3	15
6	A chromosomeâ€scale <i>Gastrodia elata</i> genome and largeâ€scale comparative genomic analysis indicate convergent evolution by gene loss in mycoheterotrophic and parasitic plants. Plant Journal, 2021, 108, 1609-1623.	2.8	38
7	Dodder-transmitted mobile signals prime host plants for enhanced salt tolerance. Journal of Experimental Botany, 2020, 71, 1171-1184.	2.4	22
8	Silencing JA hydroxylases in Nicotiana attenuata enhances jasmonic acid-isoleucine-mediated defenses against Spodoptera litura. Plant Diversity, 2020, 42, 111-119.	1.8	11
9	Extensive Inter-plant Protein Transfer between Cuscuta Parasites and Their Host Plants. Molecular Plant, 2020, 13, 573-585.	3.9	59
10	MYC2, MYC3, and MYC4 function additively in woundingâ€induced jasmonic acid biosynthesis and catabolism. Journal of Integrative Plant Biology, 2020, 62, 1159-1175.	4.1	60
11	<i>Cuscuta australis</i> (dodder) parasite eavesdrops on the host plantsâ€™ FT signals to flower. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23125-23130.	3.3	42
12	The Asian corn borer <i>Ostrinia furnacalis</i> feeding increases the direct and indirect defence of midâ€whorl stage commercial maize in the field. Plant Biotechnology Journal, 2019, 17, 88-102.	4.1	58
13	The oriental armyworm (<i>Mythimna separata</i>) feeding induces systemic defence responses within and between maize leaves. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180307.	1.8	25
14	Transcriptomic and Phytochemical Analyses Reveal Root-Mediated Resource-Based Defense Response to Leaf Herbivory by <i>Ectropis oblique</i> in Tea Plant (<i>Camellia sinensis</i>). Journal of Agricultural and Food Chemistry, 2019, 67, 5465-5476.	2.4	52
15	An efficient system composed of maize protoplast transfection and HPLCâ€“MS for studying the biosynthesis and regulation of maize benzoxazinoids. Plant Methods, 2019, 15, 144.	1.9	27
16	The host jasmonic acid pathway regulates the transcriptomic changes of dodder and host plant under the scenario of caterpillar feeding on dodder. BMC Plant Biology, 2019, 19, 540.	1.6	10
17	miRNAs as a Secret Weapon in the Battlefield ofÂHaustoria, the Interface between Parasites andÂHost Plants. Molecular Plant, 2018, 11, 354-356.	3.9	4
18	Elevated CO₂ differentially affects tobacco and rice defense against lepidopteran larvae via the jasmonic acid signaling pathway. Journal of Integrative Plant Biology, 2018, 60, 412-431.	4.1	19

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19	Ultraviolet-B enhances the resistance of multiple plant species to lepidopteran insect herbivory through the jasmonic acid pathway. Scientific Reports, 2018, 8, 277.	1.6	37
20	Comparative analysis of alfalfa (Medicago sativa L.) leaf transcriptomes reveals genotype-specific salt tolerance mechanisms. BMC Plant Biology, 2018, 18, 35.	1.6	93
21	Aphid (<i>Myzus persicae</i>) feeding on the parasitic plant dodder (<i>Cuscuta australis</i>) activates defense responses in both the parasite and soybean host. New Phytologist, 2018, 218, 1586-1596.	3.5	39
22	Current understanding of maize and rice defense against insect herbivores. Plant Diversity, 2018, 40, 189-195.	1.8	42
23	Large-scale gene losses underlie the genome evolution of parasitic plant Cuscuta australis. Nature Communications, 2018, 9, 2683.	5.8	145
24	Whole transcriptome analysis of three leaf stages in two cultivars and one of their F1 hybrid of Camellia sinensis L. with differing EGCG content. Tree Genetics and Genomes, 2017, 13, 1.	0.6	10
25	Stem parasitic plant <i>Cuscuta australis</i> (dodder) transfers herbivory-induced signals among plants. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6703-E6709.	3.3	58
26	Up-regulation of MPK4 increases the feeding efficiency of the green peach aphid under elevated CO2 in Nicotiana attenuata. Journal of Experimental Botany, 2017, 68, 5923-5935.	2.4	23
27	Transcriptomics and Alternative Splicing Analyses Reveal Large Differences between Maize Lines B73 and Mo17 in Response to Aphid Rhopalosiphum padi Infestation. Frontiers in Plant Science, 2017, 8, 1738.	1.7	47
28	Salt-tolerant and -sensitive alfalfa (Medicago sativa) cultivars have large variations in defense responses to the lepidopteran insect Spodoptera litura under normal and salt stress condition. PLoS ONE, 2017, 12, e0181589.	1.1	11
29	Jasmonic acid carboxyl methyltransferase regulates development and herbivoryâ€induced defense response in rice. Journal of Integrative Plant Biology, 2016, 58, 564-576.	4.1	72
30	Oral secretions from <i>Mythimna separata</i> insects specifically induce defence responses in maize as revealed by highâ€dimensional biological data. Plant, Cell and Environment, 2016, 39, 1749-1766.	2.8	61
31	Genome-wide identification of calcium-dependent protein kinases in soybean and analyses of their transcriptional responses to insect herbivory and drought stress. Scientific Reports, 2016, 6, 18973.	1.6	45
32	Two hAT transposon genes were transferred from Brassicaceae to broomrapes and are actively expressed in some recipients. Scientific Reports, 2016, 6, 30192.	1.6	12
33	An acyltransferase gene that putatively functions in anthocyanin modification was horizontally transferred from Fabaceae into the genus Cuscuta. Plant Diversity, 2016, 38, 149-155.	1.8	9
34	COI1-Regulated Hydroxylation of Jasmonoyl-<scp>l</scp>-isoleucine Impairs <i>Nicotiana attenuata</i>â€™s Resistance to the Generalist Herbivore <i>Spodoptera litura</i>. Journal of Agricultural and Food Chemistry, 2016, 64, 2822-2831.	2.4	21
35	Baseline Survey of Root-Associated Microbes of Taxus chinensis (Pilger) Rehd. PLoS ONE, 2015, 10, e0123026.	1.1	14
36	The Parasitic Plant Cuscuta australis Is Highly Insensitive to Abscisic Acid-Induced Suppression of Hypocotyl Elongation and Seed Germination. PLoS ONE, 2015, 10, e0135197.	1.1	19

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37	MAPK signaling: A key element in plant defense response to insects. Insect Science, 2015, 22, 157-164.	1.5	115
38	Scopoletin is a phytoalexin against Alternaria alternata in wild tobacco dependent on jasmonate signalling. Journal of Experimental Botany, 2014, 65, 4305-4315.	2.4	113
39	Fatty acid-amino acid conjugates are essential for systemic activation of salicylic acid-induced protein kinase and accumulation of jasmonic acid in Nicotiana attenuata. BMC Plant Biology, 2014, 14, 326.	1.6	25
40	Root parasitic plant Orobanche aegyptiaca and shoot parasitic plant Cuscuta australis obtained Brassicaceae-specific strictosidine synthase-like genes by horizontal gene transfer. BMC Plant Biology, 2014, 14, 19.	1.6	57
41	Molecular cloning and characterization of a cytochrome P450 taxoid 9Ã¡-hydroxylase in Ginkgo biloba cells. Biochemical and Biophysical Research Communications, 2014, 443, 938-943.	1.0	22
42	Virus-Induced Gene Silencing in Plant MAPK Research. Methods in Molecular Biology, 2014, 1171, 79-89.	0.4	1
43	High levels of jasmonic acid antagonize the biosynthesis of gibberellins and inhibit the growth of <i><scp>N</scp>icotiana attenuata</i> stems. Plant Journal, 2013, 73, 591-606.	2.8	127
44	The Essential Role of Jasmonic Acid in Plantâ€“Herbivore Interactions â€“ Using the Wild Tobacco Nicotiana attenuata as a Model. Journal of Genetics and Genomics, 2013, 40, 597-606.	1.7	63
45	Silencing Brassinosteroid Receptor <i>BRI1</i> Impairs Herbivoryâ€elicited Accumulation of Jasmonic Acidâ€isoleucine and Diterpene Glycosides, but not Jasmonic Acid and Trypsin Proteinase Inhibitors in <i>Nicotiana attenuata</i>. Journal of Integrative Plant Biology, 2013, 55, 514-526.	4.1	16
46	The Use of VIGS Technology to Study Plantâ€“Herbivore Interactions. Methods in Molecular Biology, 2013, 975, 109-137.	0.4	15
47	<i>Nicotiana attenuata </i><scp>MPK</scp>4 suppresses a novel jasmonic acid (<scp>JA</scp>) signalingâ€independent defense pathway against the specialist insect <i>Manduca sexta</i>, but is not required for the resistance to the generalist <i>Spodoptera littoralis</i>. New Phytologist, 2013, 199, 787-799.	3.5	51
48	Calcium-dependent protein kinases, CDPK4 and CDPK5, affect early steps of jasmonic acid biosynthesis inNicotiana attenuata. Plant Signaling and Behavior, 2013, 8, e22784.	1.2	25
49	Sugar is an endogenous cue for juvenile-to-adult phase transition in plants. ELife, 2013, 2, e00269.	2.8	279
50	Deep Sequencing Reveals Transcriptome Re-Programming of Taxus Ã— media Cells to the Elicitation with Methyl Jasmonate. PLoS ONE, 2013, 8, e62865.	1.1	71
51	Silencing <i>MPK4</i> in <i>Nicotiana attenuata</i> Enhances Photosynthesis and Seed Production But Compromises Abscisic Acid-Induced Stomatal Closure and Guard Cell-Mediated Resistance to <i>Pseudomonas syringae</i> pv <i>tomato</i> DC3000 Â. Plant Physiology, 2012, 158, 759-776.	2.3	93
52	Silencing <i>Nicotiana attenuata</i> Calcium-Dependent Protein Kinases, <i>CDPK4</i> and <i>CDPK5</i>, Strongly Up-Regulates Wound- and Herbivory-Induced Jasmonic Acid Accumulations Â. Plant Physiology, 2012, 159, 1591-1607.	2.3	94
53	Three MAPK Kinases, MEK1, SIPKK, and NPK2, are not Involved in Activation of SIPK after Wounding and Herbivore Feeding but Important for Accumulation of Trypsin Proteinase Inhibitors. Plant Molecular Biology Reporter, 2012, 30, 731-740.	1.0	13
54	<i>Arabidopsis</i> Plants Having Defects in Nonsenseâ€mediated mRNA Decay Factors UPF1, UPF2, and UPF3 Show Photoperiodâ€dependent Phenotypes in Development and Stress Responses. Journal of Integrative Plant Biology, 2012, 54, 99-114.	4.1	42

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55	SGT1 regulates woundingâ€•and herbivoryâ€induced jasmonic acid accumulation and<i>Nicotiana attenuata</i>â€™s resistance to the specialist lepidopteran herbivore<i>Manduca sexta</i>. New Phytologist, 2011, 189, 1143-1156.	3.5	36
56	Silencing <i>NOA1</i> Elevates Herbivoryâ€Induced Jasmonic Acid Accumulation and Compromises Most of the Carbonâ€Based Defense Metabolites in <i>Nicotiana attenuata</i>^F. Journal of Integrative Plant Biology, 2011, 53, 619-631.	4.1	26
57	For security and stability. Plant Signaling and Behavior, 2011, 6, 1479-1482.	1.2	19
58	S-Nitrosoglutathione reductase (GSNOR) mediates the biosynthesis of jasmonic acid and ethylene induced by feeding of the insect herbivore Manduca sexta and is important for jasmonate-elicited responses in Nicotiana attenuata. Journal of Experimental Botany, 2011, 62, 4605-4616.	2.4	69
59	Two mitogen-activated protein kinase kinases, MKK1 and MEK2, are involved in wounding- and specialist lepidopteran herbivore Manduca sexta-induced responses in Nicotiana attenuata. Journal of Experimental Botany, 2011, 62, 4355-4365.	2.4	42
60	The multifaceted function of BAK1/SERK3. Plant Signaling and Behavior, 2011, 6, 1322-1324.	1.2	21
61	BAK1 regulates the accumulation of jasmonic acid and the levels of trypsin proteinase inhibitors in Nicotiana attenuata's responses to herbivory. Journal of Experimental Botany, 2011, 62, 641-652.	2.4	83
62	New Insights into Plant Responses to the Attack from Insect Herbivores. Annual Review of Genetics, 2010, 44, 1-24.	3.2	752
63	Herbivoryâ€induced signalling in plants: perception and action. Plant, Cell and Environment, 2009, 32, 1161-1174.	2.8	221
64	Silencing two herbivoryâ€activated MAP kinases, SIPK and WIPK, does not increase <i>Nicotiana attenuata</i>'s susceptibility to herbivores in the glasshouse and in nature. New Phytologist, 2009, 181, 161-173.	3.5	75
65	<i>PR-13/Thionin</i> But Not <i>PR-1</i> Mediates Bacterial Resistance in <i>Nicotiana attenuata</i> in Nature, and Neither Influences Herbivore Resistance. Molecular Plant-Microbe Interactions, 2008, 21, 988-1000.	1.4	26
66	A Comparison of Two <i>Nicotiana attenuata</i> Accessions Reveals Large Differences in Signaling Induced by Oral Secretions of the Specialist Herbivore <i>Manduca sexta</i> Â Â Â. Plant Physiology, 2008, 146, 927-939.	2.3	68
67	Herbivory Rapidly Activates MAPK Signaling in Attacked and Unattacked Leaf Regions but Not between Leaves of Nicotiana attenuata. Plant Cell, 2007, 19, 1096-1122.	3.1	391
68	Nonsense-mediated mRNA decay (NMD) silences the accumulation of aberrant trypsin proteinase inhibitor mRNA in Nicotiana attenuata. Plant Journal, 2007, 51, 693-706.	2.8	40
69	Evolution of proteinase inhibitor defenses in North American allopolyploid species of Nicotiana. Planta, 2006, 224, 750-760.	1.6	42
70	Differential Elicitation of Two Processing Proteases Controls the Processing Pattern of the Trypsin Proteinase Inhibitor Precursor in Nicotiana attenuata. Plant Physiology, 2005, 139, 375-388.	2.3	34