Jianqiang Wu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/848876/publications.pdf

Version: 2024-02-01

86	4,706	117625	106344
papers	citations	34 h-index	65 g-index

90	90	90	5163
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New Insights into Plant Responses to the Attack from Insect Herbivores. Annual Review of Genetics, 2010, 44, 1-24.	7.6	752
2	Herbivory Rapidly Activates MAPK Signaling in Attacked and Unattacked Leaf Regions but Not between Leaves of Nicotiana attenuata. Plant Cell, 2007, 19, 1096-1122.	6.6	391
3	Sugar is an endogenous cue for juvenile-to-adult phase transition in plants. ELife, 2013, 2, e00269.	6.0	279
4	Herbivoryâ€induced signalling in plants: perception and action. Plant, Cell and Environment, 2009, 32, 1161-1174.	5.7	221
5	Physiological conditions can be reflected in human urine proteome and metabolome. Expert Review of Proteomics, 2015, 12, 623-636.	3.0	148
6	Large-scale gene losses underlie the genome evolution of parasitic plant Cuscuta australis. Nature Communications, 2018, 9, 2683.	12.8	145
7	High levels of jasmonic acid antagonize the biosynthesis of gibberellins and inhibit the growth of <scp>N</scp>icotiana attenuata stems. Plant Journal, 2013, 73, 591-606.	5.7	127
8	MAPK signaling: A key element in plant defense response to insects. Insect Science, 2015, 22, 157-164.	3.0	115
9	Scopoletin is a phytoalexin against Alternaria alternata in wild tobacco dependent on jasmonate signalling. Journal of Experimental Botany, 2014, 65, 4305-4315.	4.8	113
10	Silencing Nicotiana attenuata Calcium-Dependent Protein Kinases, CDPK4 and CDPK5, Strongly Up-Regulates Wound- and Herbivory-Induced Jasmonic Acid Accumulations Â. Plant Physiology, 2012, 159, 1591-1607.	4.8	94
11	Silencing MPK4 in Nicotiana attenuata Enhances Photosynthesis and Seed Production But Compromises Abscisic Acid-Induced Stomatal Closure and Guard Cell-Mediated Resistance to Pseudomonas syringae pv tomato DC3000 Â. Plant Physiology, 2012, 158, 759-776.	4.8	93
12	Comparative analysis of alfalfa (Medicago sativa L.) leaf transcriptomes reveals genotype-specific salt tolerance mechanisms. BMC Plant Biology, 2018, 18, 35.	3.6	93
13	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.	4.8	83
14	Silencing two herbivoryâ€activated MAP kinases, SIPK and WIPK, does not increase Nicotiana attenuata's susceptibility to herbivores in the glasshouse and in nature. New Phytologist, 2009, 181, 161-173.	7.3	75
15	Jasmonic acid carboxyl methyltransferase regulates development and herbivoryâ€induced defense response in rice. Journal of Integrative Plant Biology, 2016, 58, 564-576.	8.5	72
16	Deep Sequencing Reveals Transcriptome Re-Programming of Taxus Ã— media Cells to the Elicitation with Methyl Jasmonate. PLoS ONE, 2013, 8, e62865.	2.5	71
17	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.	4.8	69
18	A Comparison of Two Nicotiana attenuata Accessions Reveals Large Differences in Signaling Induced by Oral Secretions of the Specialist Herbivore Manduca sexta Â Â Â. Plant Physiology, 2008, 146, 927-939.	4.8	68

#	Article	IF	Citations
19	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.	3.9	63
20	Oral secretions from Mythimna separata insects specifically induce defence responses in maize as revealed by highâ€dimensional biological data. Plant, Cell and Environment, 2016, 39, 1749-1766.	5.7	61
21	MYC2, MYC3, and MYC4 function additively in woundingâ€induced jasmonic acid biosynthesis and catabolism. Journal of Integrative Plant Biology, 2020, 62, 1159-1175.	8.5	60
22	Extensive Inter-plant Protein Transfer between Cuscuta Parasites and Their Host Plants. Molecular Plant, 2020, 13, 573-585.	8.3	59
23	Stem parasitic plant Cuscuta australis (dodder) transfers herbivory-induced signals among plants. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6703-E6709.	7.1	58
24	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.	3.6	57
25	Nicotiana attenuata <scp>MPK</scp>4 suppresses a novel jasmonic acid (<scp>JA</scp>) signalingâ€independent defense pathway against the specialist insect Manduca sexta, but is not required for the resistance to the generalist Spodoptera littoralis. New Phytologist, 2013, 199, 787-799.	7.3	51
26	Dynamic changes of urine proteome in a Walker 256 tumorâ€bearing rat model. Cancer Medicine, 2017, 6, 2713-2722.	2.8	48
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.	3.6	47
28	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.	3.3	45
29	Evolution of proteinase inhibitor defenses in North American allopolyploid species of Nicotiana. Planta, 2006, 224, 750-760.	3.2	42
30	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.	4.8	42
31	Arabidopsis 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.	8.5	42
32	Current understanding of maize and rice defense against insect herbivores. Plant Diversity, 2018, 40, 189-195.	3.7	42
33	Cuscuta australis (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.	7.1	42
34	Urinary candidate biomarker discovery in a rat unilateral ureteral obstruction model. Scientific Reports, 2015, 5, 9314.	3.3	41
35	Nonsense-mediated mRNA decay (NMD) silences the accumulation of aberrant trypsin proteinase inhibitor mRNA in Nicotiana attenuata. Plant Journal, 2007, 51, 693-706.	5.7	40
36	Aphid (Myzus persicae) feeding on the parasitic plant dodder (Cuscuta australis) activates defense responses in both the parasite and soybean host. New Phytologist, 2018, 218, 1586-1596.	7.3	39

#	Article	IF	Citations
37	A chromosomeâ€scale Gastrodia elata genome and largeâ€scale comparative genomic analysis indicate convergent evolution by gene loss in mycoheterotrophic and parasitic plants. Plant Journal, 2021, 108, 1609-1623.	5.7	38
38	Ultraviolet-B enhances the resistance of multiple plant species to lepidopteran insect herbivory through the jasmonic acid pathway. Scientific Reports, 2018, 8, 277.	3.3	37
39	SGT1 regulates woundingâ€•and herbivoryâ€•induced jasmonic acid accumulation andNicotiana attenuataâ€™s resistance to the specialist lepidopteran herbivoreManduca sexta. New Phytologist, 2011, 189, 1143-1156.	7.3	36
40	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.	4.8	34
41	Urinary candidate biomarkers in an experimental autoimmune myocarditis rat model. Journal of Proteomics, 2018, 179, 71-79.	2.4	34
42	Early Detection of Urinary Proteome Biomarkers for Effective Early Treatment of Pulmonary Fibrosis in a Rat Model. Proteomics - Clinical Applications, 2017, 11, 1700103.	1.6	29
43	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.	4.3	27
44	PR-13/Thionin But Not PR-1 Mediates Bacterial Resistance in Nicotiana attenuata in Nature, and Neither Influences Herbivore Resistance. Molecular Plant-Microbe Interactions, 2008, 21, 988-1000.	2.6	26
45	Silencing NOA1 Elevates Herbivoryâ€•induced Jasmonic Acid Accumulation and Compromises Most of the Carbonâ€Based Defense Metabolites in Nicotiana attenuata^F. Journal of Integrative Plant Biology, 2011, 53, 619-631.	8.5	26
46	Calcium-dependent protein kinases, CDPK4 and CDPK5, affect early steps of jasmonic acid biosynthesis inNicotiana attenuata. Plant Signaling and Behavior, 2013, 8, e22784.	2.4	25
47	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.	3.6	25
48	The oriental armyworm (Mythimna separata) feeding induces systemic defence responses within and between maize leaves. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180307.	4.0	25
49	Cdkn2a Loss in a Model of Neurofibroma Demonstrates Stepwise Tumor Progression to Atypical Neurofibroma and MPNST. Cancer Research, 2020, 80, 4720-4730.	0.9	25
50	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.	4.8	23
51	Molecular cloning and characterization of a cytochrome P450 taxoid 9Ã¡-hydroxylase in Ginkgo biloba cells. Biochemical and Biophysical Research Communications, 2014, 443, 938-943.	2.1	22
52	Dodder-transmitted mobile signals prime host plants for enhanced salt tolerance. Journal of Experimental Botany, 2020, 71, 1171-1184.	4.8	22
53	The multifaceted function of BAK1/SERK3. Plant Signaling and Behavior, 2011, 6, 1322-1324.	2.4	21
54	COI1-Regulated Hydroxylation of Jasmonoyl-<scp>l</scp>-isoleucine Impairs Nicotiana attenuataâ€™s Resistance to the Generalist Herbivore Spodoptera litura. Journal of Agricultural and Food Chemistry, 2016, 64, 2822-2831.	5.2	21

#	Article	IF	Citations
55	Urinary biomarker discovery in gliomas using mass spectrometry-based clinical proteomics. Chinese Neurosurgical Journal, 2020, 6, 11.	0.9	20
56	For security and stability. Plant Signaling and Behavior, 2011, 6, 1479-1482.	2.4	19
57	The Parasitic Plant Cuscuta australis Is Highly Insensitive to Abscisic Acid-Induced Suppression of Hypocotyl Elongation and Seed Germination. PLoS ONE, 2015, 10, e0135197.	2.5	19
58	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.	8.5	19
59	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.	7.3	19
60	Silencing Brassinosteroid Receptor BRI1 Impairs Herbivoryâ€elicited Accumulation of Jasmonic Acidâ€isoleucine and Diterpene Glycosides, but not Jasmonic Acid and Trypsin Proteinase Inhibitors in Nicotiana attenuata. Journal of Integrative Plant Biology, 2013, 55, 514-526.	8.5	16
61	Proteomics applications in biomarker discovery and pathogenesis for abdominal aortic aneurysm. Expert Review of Proteomics, 2021, 18, 305-314.	3.0	16
62	The Use of VIGS Technology to Study Plantâ€“Herbivore Interactions. Methods in Molecular Biology, 2013, 975, 109-137.	0.9	15
63	Parasite dodder enables transfer of bidirectional systemic nitrogen signals between host plants. Plant Physiology, 2021, 185, 1395-1410.	4.8	15
64	Baseline Survey of Root-Associated Microbes of Taxus chinensis (Pilger) Rehd. PLoS ONE, 2015, 10, e0123026.	2.5	14
65	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.	1.8	13
66	Two hAT transposon genes were transferred from Brassicaceae to broomrapes and are actively expressed in some recipients. Scientific Reports, 2016, 6, 30192.	3.3	12
67	Mythimna separata herbivory primes maize resistance in systemic leaves. Journal of Experimental Botany, 2021, 72, 3792-3805.	4.8	12
68	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.	2.5	11
69	Exploration of Crucial Mediators for Carotid Atherosclerosis Pathogenesis Through Integration of Microbiome, Metabolome, and Transcriptome. Frontiers in Physiology, 2021, 12, 645212.	2.8	11
70	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.	1.6	10
71	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.	3.6	10
72	Distinguishing Benign and Malignant Thyroid Nodules and Identifying Lymph Node Metastasis in Papillary Thyroid Cancer by Plasma N-Glycomics. Frontiers in Endocrinology, 2021, 12, 692910.	3.5	10

#	Article	IF	Citations
73	The Specific Î±1-Adrenergic Receptor Antagonist Prazosin Influences the Urine Proteome. PLoS ONE, 2016, 11, e0164796.	2.5	8
74	Diagnostic Potential of Plasma IgG N-glycans in Discriminating Thyroid Cancer from Benign Thyroid Nodules and Healthy Controls. Frontiers in Oncology, 2021, 11, 658223.	2.8	7
75	Urinary Proteomics Identifying Novel Biomarkers for the Diagnosis and Phenotyping of Carotid Artery Stenosis. Frontiers in Molecular Biosciences, 2021, 8, 714706.	3.5	7
76	Herbivory-induced systemic signals are likely to be evolutionarily conserved in euphyllophytes. Journal of Experimental Botany, 2021, 72, 7274-7284.	4.8	6
77	Proteomic analysis of urine reveals biomarkers for the diagnosis and phenotyping of abdominal-type Henoch-Schonlein purpura. Translational Pediatrics, 2021, 10, 510-524.	1.2	5
78	Proteomic Analysis of Copper Toxicity in Human Fungal Pathogen Cryptococcus neoformans. Frontiers in Cellular and Infection Microbiology, 2021, 11, 662404.	3.9	5
79	Discovery of potential biomarkers for human atherosclerotic abdominal aortic aneurysm through untargeted metabolomics and transcriptomics. Journal of Zhejiang University: Science B, 2021, 22, 733-745.	2.8	5
80	P2RY14 cAMP signaling regulates Schwann cell precursor self-renewal, proliferation, and nerve tumor initiation in a mouse model of neurofibromatosis. ELife, 2022, 11, .	6.0	5
81	miRNAs as a Secret Weapon in the Battlefield ofÂHaustoria, the Interface between Parasites andÂHost Plants. Molecular Plant, 2018, 11, 354-356.	8.3	4
82	Validation of diagnostic and predictive biomarkers for hereditary angioedema via plasma Nâ€glycomics. Clinical and Translational Allergy, 2021, 11, e12090.	3.2	3
83	Ageing- and AAA-associated differentially expressed proteins identified by proteomic analysis in mice. PeerJ, 0, 10, e13129.	2.0	2
84	Single-Center Experience in the Endovascular Management of the Combination of Isolated Common and Internal Iliac Artery Aneurysms. Frontiers in Surgery, 2021, 8, 693233.	1.4	1
85	Virus-Induced Gene Silencing in Plant MAPK Research. Methods in Molecular Biology, 2014, 1171, 79-89.	0.9	1
86	Urinary Proteome Biomarkers for Early Detection of Respiratory Diseases. , 2019, , 135-145.		0