Hon-Ming Lam

List of Publications by Year in descending order

174 papers	10,685 citations	47006 47 h-index	37204 96 g-index
183 all docs	183 docs citations	183 times ranked	11097 citing authors

#	Article	IF	Citations
1	Resequencing of 31 wild and cultivated soybean genomes identifies patterns of genetic diversity and selection. Nature Genetics, 2010, 42, 1053-1059.	21.4	987
2	THE MOLECULAR-GENETICS OF NITROGEN ASSIMILATION INTO AMINO ACIDS IN HIGHER PLANTS. Annual Review of Plant Biology, 1996, 47, 569-593.	14.3	750
3	Neglecting legumes has compromised human health and sustainable food production. Nature Plants, 2016, 2, 16112.	9.3	529
4	Plant Hormone Signaling Crosstalks between Biotic and Abiotic Stress Responses. International Journal of Molecular Sciences, 2018, 19, 3206.	4.1	368
5	Identification of a novel salt tolerance gene in wild soybean by whole-genome sequencing. Nature Communications, 2014, 5, 4340.	12.8	332
6	Glutamate-receptor genes in plants. Nature, 1998, 396, 125-126.	27.8	328
7	Food supply and food safety issues in China. Lancet, The, 2013, 381, 2044-2053.	13.7	322
8	Use of Arabidopsis mutants and genes to study amide amino acid biosynthesis.. Plant Cell, 1995, 7, 887-898.	6.6	249
9	A PII-like protein in Arabidopsis: Putative role in nitrogen sensing. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 13965-13970.	7.1	236
10	Metabolic Regulation of the Gene Encoding Glutamine-Dependent Asparagine Synthetase in Arabidopsis thaliana. Plant Physiology, 1994, 106, 1347-1357.	4.8	228
11	Salt Tolerance in Soybean. Journal of Integrative Plant Biology, 2008, 50, 1196-1212.	8.5	227
12	Reciprocal regulation of distinct asparagine synthetase genes by light and metabolites inArabidopsis thaliana. Plant Journal, 1998, 16, 345-353.	5.7	217
13	Inhibition of photosynthesis and energy dissipation induced by water and high light stresses in rice. Journal of Experimental Botany, 2007, 58, 1207-1217.	4.8	208
14	Overexpression of the ASN1 Gene Enhances Nitrogen Status in Seeds of Arabidopsis. Plant Physiology, 2003, 132, 926-935.	4.8	193
15	Molecular evolution of glutamate receptors: a primitive signaling mechanism that existed before plants and animals diverged. Molecular Biology and Evolution, 1999, 16, 826-838.	8.9	185
16	A reference-grade wild soybean genome. Nature Communications, 2019, 10, 1216.	12.8	183
17	Terpenes and Terpenoids in Plants: Interactions with Environment and Insects. International Journal of Molecular Sciences, 2020, 21, 7382.	4.1	172
18	Tonoplast-located GmCLC1 and GmNHX1 from soybean enhance NaCl tolerance in transgenic bright yellow (BY)-2 cells. Plant, Cell and Environment, 2006, 29, 1122-1137.	5.7	148

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19	Biochemical and Molecular Characterization of PvPAP3, a Novel Purple Acid Phosphatase Isolated from Common Bean Enhancing Extracellular ATP Utilization Â Â. Plant Physiology, 2010, 152, 854-865.	4.8	132
20	Construction and comparison of three referenceâ€quality genome assemblies for soybean. Plant Journal, 2019, 100, 1066-1082.	5.7	113
21	GmPAP3, a novel purple acid phosphatase-like gene in soybean induced by NaCl stress but not phosphorus deficiency. Gene, 2003, 318, 103-111.	2.2	111
22	Transcriptomic reprogramming in soybean seedlings under salt stress. Plant, Cell and Environment, 2019, 42, 98-114.	5.7	111
23	Interaction and Regulation of Carbon, Nitrogen, and Phosphorus Metabolisms in Root Nodules of Legumes. Frontiers in Plant Science, 2018, 9, 1860.	3.6	109
24	Correlation of ASN2 Gene Expression with Ammonium Metabolism in Arabidopsis. Plant Physiology, 2004, 134, 332-338.	4.8	105
25	Metabolic relationships between pyridoxine (vitamin B6) and serine biosynthesis in Escherichia coli K-12. Journal of Bacteriology, 1990, 172, 6518-6528.	2.2	100
26	Sequencing consolidates molecular markers with plant breeding practice. Theoretical and Applied Genetics, 2015, 128, 779-795.	3.6	96
27	Genomic resources in plant breeding for sustainable agriculture. Journal of Plant Physiology, 2021, 257, 153351.	3.5	90
28	GmCLC1 Confers Enhanced Salt Tolerance through Regulating Chloride Accumulation in Soybean. Frontiers in Plant Science, 2016, 7, 1082.	3.6	89
29	Comparative Metabolomics in <i>Glycine max</i> and <i>Glycine soja</i> under Salt Stress To Reveal the Phenotypes of Their Offspring. Journal of Agricultural and Food Chemistry, 2013, 61, 8711-8721.	5.2	88
30	Expression of an apoplastâ€localized BURPâ€domain protein from soybean (GmRD22) enhances tolerance towards abiotic stress. Plant, Cell and Environment, 2012, 35, 1932-1947.	5.7	86
31	Differential physiological, transcriptomic and metabolomic responses of Arabidopsis leaves under prolonged warming and heat shock. BMC Plant Biology, 2020, 20, 86.	3.6	84
32	Fast-forward breeding for a food-secure world. Trends in Genetics, 2021, 37, 1124-1136.	6.7	82
33	PHOSPHATE STARVATION RESPONSE transcription factors enable arbuscular mycorrhiza symbiosis. Nature Communications, 2022, 13, 477.	12.8	81
34	Ectopic expression of <i>GmPAP3</i> alleviates oxidative damage caused by salinity and osmotic stresses. New Phytologist, 2008, 178, 80-91.	7.3	76
35	Understanding the Composition, Biosynthesis, Accumulation and Transport of Flavonoids in Crops for the Promotion of Crops as Healthy Sources of Flavonoids for Human Consumption. Nutrients, 2020, 12, 1717.	4.1	74
36	A Putative Lambda Class Glutathione S-Transferase Enhances Plant Survival under Salinity Stress. Plant and Cell Physiology, 2014, 55, 570-579.	3.1	73

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37	Legume biofortification is an underexploited strategy for combatting hidden hunger. Plant, Cell and Environment, 2019, 42, 52-70.	5.7	72
38	Rice Hypersensitive Induced Reaction Protein 1 (OsHIR1) associates with plasma membrane and triggers hypersensitive cell death. BMC Plant Biology, 2010, 10, 290.	3.6	70
39	How did arthropod sesquiterpenoids and ecdysteroids arise? Comparison of hormonal pathway genes in non-insect arthropod genomes. Genome Biology and Evolution, 2015, 7, evv120.	2.5	64
40	Using RNA-Seq Data to Evaluate Reference Genes Suitable for Gene Expression Studies in Soybean. PLoS ONE, 2015, 10, e0136343.	2.5	64
41	Hormonal changes are related to the poor grain filling in the inferior spikelets of rice cultivated under non-flooded and mulched condition. Field Crops Research, 2007, 101, 53-61.	5.1	62
42	Comparative Metabolic Profiling Reveals Secondary Metabolites Correlated with Soybean Salt Tolerance. Journal of Agricultural and Food Chemistry, 2008, 56, 11132-11138.	5.2	60
43	Potential Uses of Wild Germplasms of Grain Legumes for Crop Improvement. International Journal of Molecular Sciences, 2017, 18, 328.	4.1	58
44	Improvement in nitrogen fixation capacity could be part of the domestication process in soybean. Heredity, 2016, 117, 84-93.	2.6	57
45	New insights into Arabidopsis transcriptome complexity revealed by direct sequencing of native RNAs. Nucleic Acids Research, 2020, 48, 7700-7711.	14.5	57
46	In situ expression of the GmNMH7 gene is photoperiod-dependent in a unique soybean (Glycine max [L.]) Tj ETQq0 0 0 rgBT /Overlock 1	3.2	53
47	A general framework incorporating knowledge, risk perception and practices to eliminate pesticide residues in food: A Structural Equation Modelling analysis based on survey data of 986 Chinese farmers. Food Control, 2017, 80, 143-150.	5.5	53
48	Sequencing the USDA core soybean collection reveals gene loss during domestication and breeding. Plant Genome, 2022, 15, e20109.	2.8	53
49	Genome-Wide Characterization of Nonreference Transposons Reveals Evolutionary Propensities of Transposons in Soybean. Plant Cell, 2012, 24, 4422-4436.	6.6	51
50	Differences between soybean genotypes in physiological response to sequential soil drying and rewetting. Crop Journal, 2014, 2, 366-380.	5.2	51
51	Genome-Wide Analyses of the Soybean F-Box Gene Family in Response to Salt Stress. International Journal of Molecular Sciences, 2017, 18, 818.	4.1	50
52	Coordinated regulation of core and accessory genes in the multipartite genome of Sinorhizobium fredii. PLoS Genetics, 2018, 14, e1007428.	3.5	50
53	Root system architecture, physiological and transcriptional traits of soybean (<scp><i>Glycine) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.2	49
54	The GCN2 homologue in <i>Arabidopsis thaliana</i> interacts with uncharged tRNA and uses Arabidopsis eIF2Î± molecules as direct substrates. Plant Biology, 2013, 15, 13-18.	3.8	48

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55	Impacts of genomic research on soybean improvement in East Asia. Theoretical and Applied Genetics, 2020, 133, 1655-1678.	3.6	48
56	Molecular phylogeny and dynamic evolution of disease resistance genes in the legume family. BMC Genomics, 2016, 17, 402.	2.8	47
57	Modelling predicts that soybean is poised to dominate crop production across <scp>A</scp>frica. Plant, Cell and Environment, 2019, 42, 373-385.	5.7	47
58	Analysis of Soybean Long Non-Coding RNAs Reveals a Subset of Small Peptide-Coding Transcripts. Plant Physiology, 2020, 182, 1359-1374.	4.8	46
59	Recent Developments of Genomic Research in Soybean. Journal of Genetics and Genomics, 2012, 39, 317-324.	3.9	45
60	Characterization of Two Growth Period QTLs Reveals Modification of<i>PRR3</i>Genes During Soybean Domestication. Plant and Cell Physiology, 2019, 60, 407-420.	3.1	45
61	Evolutionary Timeline and Genomic Plasticity Underlying the Lifestyle Diversity in <i>Rhizobiales</i>. MSystems, 2020, 5, .	3.8	45
62	Constitutive expression of a rice GTPaseâ€activating protein induces defense responses. New Phytologist, 2008, 179, 530-545.	7.3	44
63	A novel simple extracellular leucineâ€rich repeat (eLRR) domain protein from rice (OsLRR1) enters the endosomal pathway and interacts with the hypersensitiveâ€induced reaction protein 1 (OsHIR1). Plant, Cell and Environment, 2009, 32, 1804-1820.	5.7	44
64	How can drip irrigation save water and reduce evapotranspiration compared to border irrigation in arid regions in northwest China. Agricultural Water Management, 2020, 239, 106256.	5.6	44
65	Identification and functional characterization of the chloride channel gene, GsCLC-c2 from wild soybean. BMC Plant Biology, 2019, 19, 121.	3.6	43
66	Small RNAs in Plant Responses to Abiotic Stresses: Regulatory Roles and Study Methods. International Journal of Molecular Sciences, 2015, 16, 24532-24554.	4.1	42
67	The Effects of Domestication on Secondary Metabolite Composition in Legumes. Frontiers in Genetics, 2020, 11, 581357.	2.3	42
68	An Ancient P-Loop GTPase in Rice Is Regulated by a Higher Plant-specific Regulatory Protein. Journal of Biological Chemistry, 2010, 285, 37359-37369.	3.4	41
69	The unconventional <scp>P</scp>â€loop <scp>NTPase OsYchF1</scp> and its regulator <scp>OsGAP1</scp> play opposite roles in salinity stress tolerance. Plant, Cell and Environment, 2013, 36, 2008-2020.	5.7	41
70	Responses in gas exchange and water status between drought-tolerant and -susceptible soybean genotypes with ABA application. Crop Journal, 2015, 3, 500-506.	5.2	40
71	Mass spectrometry analysis of the variants of histone H3 and H4 of soybean and their post-translational modifications. BMC Plant Biology, 2009, 9, 98.	3.6	39
72	Expression of a RING-HC protein from rice improves resistance to Pseudomonas syringae pv. tomato DC3000 in transgenic Arabidopsis thaliana. Journal of Experimental Botany, 2007, 58, 4147-4159.	4.8	38

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73	Possible Roles of Rhizospheric and Endophytic Microbes to Provide a Safe and Affordable Means of Crop Biofortification. Agronomy, 2019, 9, 764.	3.0	38
74	Apoptosis Reversal Promotes Cancer Stem Cell-Like Cell Formation. Neoplasia, 2018, 20, 295-303.	5.3	37
75	Co-benefits of intercropping as a sustainable farming method for safeguarding both food security and air quality. Environmental Research Letters, 2019, 14, 044011.	5.2	37
76	Drought Stress and Tolerance in Soybean. , 0, , .		35
77	Genome-wide DNA mutations in Arabidopsis plants after multigenerational exposure to high temperatures. Genome Biology, 2021, 22, 160.	8.8	35
78	GmPHD5 acts as an important regulator for crosstalk between histone H3K4 di-methylation and H3K14 acetylation in response to salinity stress in soybean. BMC Plant Biology, 2011, 11, 178.	3.6	34
79	Signal Transduction in Plantâ€“Nematode Interactions. International Journal of Molecular Sciences, 2018, 19, 1648.	4.1	33
80	The GmCLC1 protein from soybean functions as a chloride ion transporter. Journal of Plant Physiology, 2013, 170, 101-104.	3.5	32
81	ATP binding by the P-loop NTPase OsYchF1 (an unconventional G protein) contributes to biotic but not abiotic stress responses. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2648-2653.	7.1	31
82	Determinants of pesticide application: an empirical analysis with theory of planned behaviour. China Agricultural Economic Review, 2018, 10, 608-625.	3.7	31
83	High external phosphate (Pi) increases sodium ion uptake and reduces salt tolerance of â€˜Piâ€tolerantâ€™ soybean. Physiologia Plantarum, 2009, 135, 412-425.	5.2	29
84	Photodynamic therapy induced cell death of hormone insensitive prostate cancer PC-3 cells with autophagic characteristics. Photodiagnosis and Photodynamic Therapy, 2013, 10, 278-287.	2.6	28
85	Legumesâ€”The art and science of environmentally sustainable agriculture. Plant, Cell and Environment, 2019, 42, 1-5.	5.7	28
86	Putative Nitrogen Sensing Systems in Higher Plants. Journal of Integrative Plant Biology, 2006, 48, 873-888.	8.5	27
87	QTLs Regulating the Contents of Antioxidants, Phenolics, and Flavonoids in Soybean Seeds Share a Common Genomic Region. Frontiers in Plant Science, 2016, 7, 854.	3.6	25
88	Using genomic information to improve soybean adaptability to climate change. Journal of Experimental Botany, 2017, 68, erw348.	4.8	25
89	Increased copy number of <i>gibberellin 2â€oxidase 8</i> genes reduced trailing growth and shoot length during soybean domestication. Plant Journal, 2021, 107, 1739-1755.	5.7	24
90	miRNA-Mediated Interactions in and between Plants and Insects. International Journal of Molecular Sciences, 2018, 19, 3239.	4.1	23

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91	Impacts of nucleotide fixation during soybean domestication and improvement. BMC Plant Biology, 2015, 15, 81.	3.6	22
92	Primingâ€induced alterations in histone modifications modulate transcriptional responses in soybean under salt stress. Plant Journal, 2022, 109, 1575-1590.	5.7	22
93	Genome of the Rusty Millipede, Trigoniulus corallinus, Illuminates Diplopod, Myriapod, and Arthropod Evolution. Genome Biology and Evolution, 2015, 7, 1280-1295.	2.5	21
94	Correlation between AS1 Gene Expression and Seed Protein Contents in Different Soybean (Glycine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.8	20
95	MicroRNAs regulate the sesquiterpenoid hormonal pathway in<i>Drosophila</i>and other arthropods. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171827.	2.6	20
96	The Impacts of Domestication and Agricultural Practices on Legume Nutrient Acquisition Through Symbiosis With Rhizobia and Arbuscular Mycorrhizal Fungi. Frontiers in Genetics, 2020, 11, 583954.	2.3	20
97	Metabolic Analyses of Nitrogen Fixation in the Soybean Microsymbiont Sinorhizobium fredii Using Constraint-Based Modeling. MSystems, 2020, 5, .	3.8	20
98	Histone modifications and chromatin remodelling in plants in response to salt stress. Physiologia Plantarum, 2021, 173, 1495-1513.	5.2	20
99	The Modification of Circadian Clock Components in Soybean During Domestication and Improvement. Frontiers in Genetics, 2020, 11, 571188.	2.3	19
100	Characterization of Root System Architecture Traits in Diverse Soybean Genotypes Using a Semi-Hydroponic System. Plants, 2021, 10, 2781.	3.5	19
101	Dietary shifts can reduce premature deaths related to particulate matter pollution in China. Nature Food, 2021, 2, 997-1004.	14.0	19
102	GmFT2a Polymorphism and Maturity Diversity in Soybeans. PLoS ONE, 2013, 8, e77474.	2.5	18
103	Crystal structures of REF6 and its complex with DNA reveal diverse recognition mechanisms. Cell Discovery, 2020, 6, 17.	6.7	18
104	Genomic dissection of widely planted soybean cultivars leads to a new breeding strategy of crops in the post-genomic era. Crop Journal, 2021, 9, 1079-1087.	5.2	18
105	High-Throughput Mass Spectrometric Analysis of the Whole Proteome and Secretome From Sinorhizobium fredii Strains CCBAU25509 and CCBAU45436. Frontiers in Microbiology, 2019, 10, 2569.	3.5	17
106	Rapid delivery systems for future food security. Nature Biotechnology, 2021, 39, 1179-1181.	17.5	17
107	Protoplasts: small cells with big roles in plant biology. Trends in Plant Science, 2022, 27, 828-829.	8.8	16
108	Use of proteomics to evaluate soybean response under abiotic stresses. , 2016, , 79-105.		15

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109	The soybean plasma membraneâ€localized cation/H + exchanger GmCHX20a plays a negative role under salt stress. Physiologia Plantarum, 2021, 171, 714-727.	5.2	15
110	GmDNJ1, a typeâ€I heat shock protein 40 (HSP40), is responsible for both Growth and heat tolerance in soybean. Plant Direct, 2021, 5, e00298.	1.9	15
111	Korean Wild Soybeans (Glycine soja Sieb & Zucc.): Geographic Distribution and Germplasm Conservation. Agronomy, 2020, 10, 214.	3.0	14
112	MATE-Type Proteins Are Responsible for Isoflavone Transportation and Accumulation in Soybean Seeds. International Journal of Molecular Sciences, 2021, 22, 12017.	4.1	14
113	Physiological effects and uptake of cadmium in Pisum sativum. Environment International, 1988, 14, 535-543.	10.0	13
114	Site-directed Mutagenesis Shows the Significance of Interactions with Phospholipids and the G-protein OsYchF1 for the Physiological Functions of the Rice GTPase-activating Protein 1 (OsGAP1). Journal of Biological Chemistry, 2015, 290, 23984-23996.	3.4	13
115	Drivers of carbon flux in drip irrigation maize fields in northwest China. Carbon Balance and Management, 2021, 16, 12.	3.2	13
116	Differential microRNA expression, microRNA arm switching, and microRNA:long noncoding RNA interaction in response to salinity stress in soybean. BMC Genomics, 2022, 23, 65.	2.8	13
117	Extensive homology between theEscherichia coliK-12 SerC(PdxF) aminotransferese and a protein encoded by a progesterone-induced mRNA in rabbit and human endometria. Nucleic Acids Research, 1989, 17, 8379-8379.	14.5	10
118	Signal Transduction Pathways in Plants for Resistance against Pathogens. International Journal of Molecular Sciences, 2019, 20, 2335.	4.1	10
119	Secretory Peptides as Bullets: Effector Peptides from Pathogens against Antimicrobial Peptides from Soybean. International Journal of Molecular Sciences, 2020, 21, 9294.	4.1	10
120	Galactolipid and Phospholipid Profile and Proteome Alterations in Soybean Leaves at the Onset of Salt Stress. Frontiers in Plant Science, 2021, 12, 644408.	3.6	10
121	Effects of salinity on activities of H+ -ATPase, H+ -PPase and membrane lipid composition in plasma membrane and tonoplast vesicles isolated from soybean (Glycine max L.) seedlings. Journal of Environmental Sciences, 2005, 17, 259-62.	6.1	10
122	Oxylipin signaling in salt-stressed soybean is modulated by ligand-dependent interaction of Class II acyl-CoA-binding proteins with lipoxygenase. Plant Cell, 2022, 34, 1117-1143.	6.6	10
123	Ectopic expression of <i>Gm<scp>PAP</scp>3</i> enhances salt tolerance in rice by alleviating oxidative damage. Plant Breeding, 2014, 133, 348-355.	1.9	9
124	ABAS1 from soybean is a 1R-subtype MYB transcriptional repressor that enhances ABA sensitivity. Journal of Experimental Botany, 2020, 71, 2970-2981.	4.8	9
125	Genomic Features of Open Chromatin Regions (OCRs) in Wild Soybean and Their Effects on Gene Expressions. Genes, 2021, 12, 640.	2.4	9
126	GmSAL1 Hydrolyzes Inositol-1,4,5-Trisphosphate and Regulates Stomatal Closure in Detached Leaves and Ion Compartmentalization in Plant Cells. PLoS ONE, 2013, 8, e78181.	2.5	9

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127	Silicon Era of Carbon-Based Life: Application of Genomics and Bioinformatics in Crop Stress Research. International Journal of Molecular Sciences, 2013, 14, 11444-11483.	4.1	8
128	The histone modification H3K4me3 marks functional genes in soybean nodules. Genomics, 2020, 112, 5282-5294.	2.9	8
129	In silico Analysis of Acyl-CoA-Binding Protein Expression in Soybean. Frontiers in Plant Science, 2021, 12, 646938.	3.6	8
130	Differentially expressed microRNAs that target functional genes in mature soybean nodules. Plant Genome, 2021, 14, e20103.	2.8	8
131	Paraformaldehyde Fixation May Lead to Misinterpretation of the Subcellular Localization of Plant High Mobility Group Box Proteins. PLoS ONE, 2015, 10, e0135033.	2.5	8
132	GMOs, Biodiversity and Ecosystem Processes. Topics in Biodiversity and Conservation, 2020, , 3-17.	1.0	8
133	Photo-activated pheophorbide a inhibits the growth of prostate cancer cells. Laser Physics, 2011, 21, 1670-1674.	1.2	7
134	Comparison of Small RNA Profiles of Glycine max and Glycine soja at Early Developmental Stages. International Journal of Molecular Sciences, 2016, 17, 2043.	4.1	7
135	Proteomic analysis reveals that pheophorbide a-mediated photodynamic treatment inhibits prostate cancer growth by hampering GDP-GTP exchange of ras-family proteins. Photodiagnosis and Photodynamic Therapy, 2018, 23, 35-39.	2.6	7
136	Rhizospheric Communication through Mobile Genetic Element Transfers for the Regulation of Microbeâ€"Plant Interactions. Biology, 2021, 10, 477.	2.8	7
137	Identification of the accessible chromatin regions in six tissues in the soybean. Genomics, 2022, 114, 110364.	2.9	7
138	Editorial: Metabolic Adjustments and Gene Expression Reprogramming for Symbiotic Nitrogen Fixation in Legume Nodules. Frontiers in Plant Science, 2019, 10, 898.	3.6	6
139	AtHDA6 functions as an H3K18ac eraser to maintain pericentromeric CHG methylation in Arabidopsis thaliana. Nucleic Acids Research, 2021, 49, 9755-9767.	14.5	6
140	The Impact of Bedbug (Cimex spp.) Bites on Self-Rated Health and Average Hours of Sleep per Day: A Cross-Sectional Study among Hong Kong Bedbug Victims. Insects, 2021, 12, 1027.	2.2	6
141	Flow Cytometric Detection of Newly-formed Breast Cancer Stem Cell-like Cells After Apoptosis Reversal. Journal of Visualized Experiments, 2019, , .	0.3	5
142	A Rice Immunophilin Homolog, OsFKBP12, Is a Negative Regulator of Both Biotic and Abiotic Stress Responses. International Journal of Molecular Sciences, 2020, 21, 8791.	4.1	5
143	An expedient survey and characterization of the soybean JAGGED 1 (GmJAG1) transcription factor binding preference in the soybean genome by modified ChIPmentation on soybean protoplasts. Genomics, 2021, 113, 344-355.	2.9	5
144	Isotopically Dimethyl Labeling-Based Quantitative Proteomic Analysis of Phosphoproteomes of Soybean Cultivars. Biomolecules, 2021, 11, 1218.	4.0	5

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145	A structure model explaining the binding between a ubiquitous unconventional G-protein (OsYchF1) and a plant-specific C2-domain protein (OsGAP1) from rice. Biochemical Journal, 2020, 477, 3935-3949.	3.7	5
146	Oxford Nanopore Technology: revolutionizing genomics research in plants. Trends in Plant Science, 2022, 27, 510-511.	8.8	5
147	The Roles of Multidrug and Toxic Compound Extrusion (MATE) Transporters in Regulating Agronomic Traits. Agronomy, 2022, 12, 878.	3.0	5
148	Changes in epigenetic features in legumes under abiotic stresses. Plant Genome, 2023, 16, .	2.8	5
149	Photodynamic therapy on prostate cancer cells involve mitochondria membrane proteins. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101933.	2.6	4
150	Risk factors associated with bedbug (Cimex spp.) infestations among Hong Kong households: a cross-sectional study. Journal of Housing and the Built Environment, 0, , 1.	1.8	4
151	The Poly-Glutamate Motif of GmMATE4 Regulates Its Isoflavone Transport Activity. Membranes, 2022, 12, 206.	3.0	4
152	Differential RNA Editing and Intron Splicing in Soybean Mitochondria during Nodulation. International Journal of Molecular Sciences, 2020, 21, 9378.	4.1	3
153	Soybean secondary metabolites and flavors: The art of compromise among climate, natural enemies, and human culture. Advances in Botanical Research, 2022, , 295-347.	1.1	3
154	The Tiny Companion Matters: The Important Role of Protons in Active Transports in Plants. International Journal of Molecular Sciences, 2022, 23, 2824.	4.1	3
155	A seed change in our understanding of legume biology from genomics to the efficient cooperation between nodulation and arbuscular mycorrhizal fungi. Plant, Cell and Environment, 2018, 41, 1949-1954.	5.7	3
156	Genomic Studies of Plant-Environment Interactions. International Journal of Molecular Sciences, 2022, 23, 5871.	4.1	3
157	Genetic architecture of wild soybean (Glycine soja Sieb. and Zucc.) populations originating from different East Asian regions. Genetic Resources and Crop Evolution, 2021, 68, 1577-1588.	1.6	2
158	Root physiology and morphology of soybean in relation to stress tolerance. Advances in Botanical Research, 2022, , 77-103.	1.1	2
159	Genomic research on soybean and its impact on molecular breeding. Advances in Botanical Research, 2022, , .	1.1	2
160	The Seed Quality Assurance Regulations and Certification System in Soybean Productionâ€"A Chinese and International Perspective. Agriculture (Switzerland), 2022, 12, 624.	3.1	2
161	AtGAP1 Promotes the Resistance to Pseudomonas syringae pv. tomato DC3000 by Regulating Cell-Wall Thickness and Stomatal Aperture in Arabidopsis. International Journal of Molecular Sciences, 2022, 23, 7540.	4.1	2
162	Use of Arabidopsis Mutants and Genes to Study Amide Amino Acid Biosynthesis. Plant Cell, 1995, 7, 887.	6.6	1

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163	Reference-Based Identification of Long Noncoding RNAs in Plants with Strand-Specific RNA-Sequencing Data. Methods in Molecular Biology, 2019, 1933, 245-255.	0.9	1
164	How noncoding open chromatin regions shape soybean domestication. Trends in Plant Science, 2021, 26, 876-878.	8.8	1
165	Molecular Responses to Osmotic Stresses in Soybean. , 0, , .		1
166	More Health Hazards Are Expected if Melamine Wastes Are Allowed to Be Used as Fertilizers. Current Nutrition and Food Science, 2015, 10, 264-267.	0.6	1
167	Towards improving the salt tolerance of soybean. Burleigh Dodds Series in Agricultural Science, 2018, , 191-215.	0.2	1
168	The Identification of MATE Antisense Transcripts in Soybean Using Strand-Specific RNA-Seq Datasets. Genes, 2022, 13, 228.	2.4	1
169	Genetic regulations of the oil and protein contents in soybean seeds and strategies for improvement. Advances in Botanical Research, 2022, , .	1.1	1
170	Pursuing greener farming by clarifying legume-insect pest interactions and developing marker-assisted molecular breeding. Advances in Botanical Research, 2022, , 211-258.	1.1	1
171	Expression of a RING-HC protein from rice improves resistance to Pseudomonas syringae pv. tomato DC3000 in transgenic Arabidopsis thaliana. Journal of Experimental Botany, 2008, 59, 2903-2903.	4.8	0
172	Co-benefits of sustainable farming methods to safeguard food security and environmental health in China: a modelling study. Lancet Planetary Health, The, 2019, 3, S10.	11.4	0
173	Crystal Structures of REF6 and Its Complex with DNA Reveal Diverse Recognition Mechanisms. SSRN Electronic Journal, 0, , .	0.4	0
174	Using the Knowledge of Post-transcriptional Regulations to Guide Gene Selections for Molecular Breeding in Soybean. Frontiers in Plant Science, 2022, 13, 867731.	3.6	0