

Lam-Son P Tran

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

246
papers

17,514
citations

69
h-index

128
g-index

263
ext. papers

21,903
ext. citations

5.9
avg, IF

7.06
L-index

#	Paper	IF	Citations
246	Effects of agricultural activities on energy-carbon-water nexus of the Qinghai-Tibet Plateau. <i>Journal of Cleaner Production</i> , 2022 , 331, 129995	10.3	0
245	Insights into the gene and protein structures of the CaSWEET family members in chickpea (<i>Cicer arietinum</i>), and their gene expression patterns in different organs under various stress and abscisic acid treatments.. <i>Gene</i> , 2022 , 819, 146210	3.8	0
244	Carbon metabolic adjustment in soybean nodules in response to phosphate limitation: A metabolite perspective. <i>Environmental and Experimental Botany</i> , 2022 , 196, 104810	5.9	1
243	Comparison of methane metabolism in the rhizomicrobiomes of wild and related cultivated rice accessions reveals a strong impact of crop domestication. <i>Science of the Total Environment</i> , 2022 , 803, 150131	10.2	1
242	Arsenite: the umpire of arsenate perception and responses in plants.. <i>Trends in Plant Science</i> , 2022 ,	13.1	1
241	Effects of glutathione on waterlogging-induced damage in sesame crop. <i>Industrial Crops and Products</i> , 2022 , 185, 115092	5.9	0
240	Strategies for agricultural production management based on land, water and carbon footprints on the Qinghai-Tibet Plateau. <i>Journal of Cleaner Production</i> , 2022 , 132563	10.3	0
239	Transcriptome Analysis Reveals Roles of Anthocyanin- and Jasmonic Acid-Biosynthetic Pathways in Rapeseed in Response to High Light Stress. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
238	Adaptive Mechanisms of Halophytes and Their Potential in Improving Salinity Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
237	MYB70 modulates seed germination and root system development in. <i>IScience</i> , 2021 , 24, 103228	6.1	4
236	Exogenous melatonin mitigates salinity-induced damage in olive seedlings by modulating ion homeostasis, antioxidant defense, and phytohormone balance. <i>Physiologia Plantarum</i> , 2021 , 173, 1682-1694	4.6	9
235	Silicon in mitigation of abiotic stress-induced oxidative damage in plants. <i>Critical Reviews in Biotechnology</i> , 2021 , 41, 918-934	9.4	15
234	Wild rice harbors more root endophytic fungi than cultivated rice in the F1 offspring after crossbreeding. <i>BMC Genomics</i> , 2021 , 22, 278	4.5	1
233	and Show Contrasting Root Metabolic Responses to Drought. <i>Frontiers in Plant Science</i> , 2021 , 12, 652143	3.2	1
232	Antioxidants and Bioactive Compounds in Licorice Root Extract Potentially Contribute to Improving Growth, Bulb Quality and Yield of Onion (). <i>Molecules</i> , 2021 , 26,	4.8	2
231	Influence of different types of explants in chickpea regeneration using thidiazuron seed-priming. <i>Journal of Plant Research</i> , 2021 , 134, 1149-1154	2.6	0
230	Genome-wide identification, characterization and expression profiles of the gene family in species. <i>3 Biotech</i> , 2021 , 11, 249	2.8	1

229	Genotype- and tissue-specific physiological and biochemical changes of two chickpea (<i>Cicer arietinum</i>) varieties following a rapid dehydration. <i>Physiologia Plantarum</i> , 2021 , 172, 1822-1834	4.6	1
228	Driving Factor Analysis of Ecosystem Service Balance for Watershed Management in the Lancang River Valley, Southwest China. <i>Land</i> , 2021 , 10, 522	3.5	2
227	Rice domestication influences the composition and function of the rhizosphere bacterial chemotaxis systems. <i>Plant and Soil</i> , 2021 , 466, 81-99	4.2	1
226	Histidine Kinases: Diverse Functions in Plant Development and Responses to Environmental Conditions. <i>Annual Review of Plant Biology</i> , 2021 , 72, 297-323	30.7	1
225	Phosphate or nitrate imbalance induces stronger molecular responses than combined nutrient deprivation in roots and leaves of chickpea plants. <i>Plant, Cell and Environment</i> , 2021 , 44, 574-597	8.4	8
224	Acetic acid improves drought acclimation in soybean: an integrative response of photosynthesis, osmoregulation, mineral uptake and antioxidant defense. <i>Physiologia Plantarum</i> , 2021 , 172, 334-350	4.6	16
223	Comparative effects of ascobin and glutathione on copper homeostasis and oxidative stress metabolism in mitigation of copper toxicity in rice. <i>Plant Biology</i> , 2021 , 23 Suppl 1, 162-169	3.7	5
222	Glutathione improves rice tolerance to submergence: insights into its physiological and biochemical mechanisms. <i>Journal of Biotechnology</i> , 2021 , 325, 109-118	3.7	5
221	Overexpression of GmMYB14 improves high-density yield and drought tolerance of soybean through regulating plant architecture mediated by the brassinosteroid pathway. <i>Plant Biotechnology Journal</i> , 2021 , 19, 702-716	11.6	18
220	Melatonin alleviates drought impact on growth and essential oil yield of lemon verbena by enhancing antioxidant responses, mineral balance, and abscisic acid content. <i>Physiologia Plantarum</i> , 2021 , 172, 1363-1375	4.6	12
219	The Drought-Mediated Soybean GmNAC085 Functions as a Positive Regulator of Plant Response to Salinity. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
218	Strigolactones regulate arsenate uptake, vacuolar-sequestration and antioxidant defense responses to resist arsenic toxicity in rice roots. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125589	12.8	5
217	Silicon-mediated heat tolerance in higher plants: A mechanistic outlook. <i>Plant Physiology and Biochemistry</i> , 2021 , 166, 341-347	5.4	4
216	Acetic acid improves drought acclimation in soybean: an integrative response of photosynthesis, osmoregulation, mineral uptake and antioxidant defense. <i>Physiologia Plantarum</i> , 2020 , 172, 334	4.6	3
215	Natural Products, Traditional Uses and Pharmacological Activities of the Genus (<i>Biebersteiniaceae</i>). <i>Plants</i> , 2020 , 9,	4.5	3
214	Comparative Metabolome and Transcriptome Analyses of Susceptible <i>Asparagus officinalis</i> and Resistant Wild <i>A. kiusianus</i> Reveal Insights into Stem Blight Disease Resistance. <i>Plant and Cell Physiology</i> , 2020 , 61, 1464-1476	4.9	4
213	The R2R3-MYB transcription factor AtMYB49 modulates salt tolerance in <i>Arabidopsis</i> by modulating the cuticle formation and antioxidant defence. <i>Plant, Cell and Environment</i> , 2020 , 43, 1925-1943	8.4	28
212	Heat Sensing and Lipid Reprograming as a Signaling Switch for Heat Stress Responses in Wheat. <i>Plant and Cell Physiology</i> , 2020 , 61, 1399-1407	4.9	14

211	MYB Superfamily in : Evidence for Hormone-Mediated Expression Profiles, Large Expansion, and Functions in Root Hair Development. <i>Biomolecules</i> , 2020 , 10,	5.9	8
210	Research Advances of Beneficial Microbiota Associated with Crop Plants. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	19
209	Altering Plant Architecture to Improve Performance and Resistance. <i>Trends in Plant Science</i> , 2020 , 25, 1154-1170	13.1	23
208	Transcriptome Analysis Reveals Potential Roles of Abscisic Acid and Polyphenols in Adaptation of to Extreme Environmental Conditions in the Qinghai-Tibetan Plateau. <i>Biomolecules</i> , 2020 , 10,	5.9	3
207	Phytohormones regulate convergent and divergent responses between individual and combined drought and pathogen infection. <i>Critical Reviews in Biotechnology</i> , 2020 , 40, 320-340	9.4	20
206	Comparative functional analyses of DWARF14 and KARRIKIN INSENSITIVE2 in drought adaptation of <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2020 , 103, 111-127	6.9	19
205	Salicylic acid antagonizes selenium phytotoxicity in rice: selenium homeostasis, oxidative stress metabolism and methylglyoxal detoxification. <i>Journal of Hazardous Materials</i> , 2020 , 394, 122572	12.8	32
204	Negative Roles of Strigolactone-Related SMXL6, 7 and 8 Proteins in Drought Resistance in. <i>Biomolecules</i> , 2020 , 10,	5.9	17
203	Heterologous Expression of a Soybean Gene Conferred Improved Drought Resistance of Transgenic. <i>Plants</i> , 2020 , 9,	4.5	1
202	Assessment of biochemical and physiological parameters of durum wheat genotypes at the seedling stage during polyethylene glycol-induced water stress. <i>Plant Growth Regulation</i> , 2020 , 92, 81-93 ^{3,2}	3.2	11
201	Type 2C Protein Phosphatases in Plant Signaling Pathways under Abiotic Stress 2020 , 67-82		
200	NAC Transcription Factors in Drought and Salinity Tolerance. <i>Signaling and Communication in Plants</i> , 2020 , 351-366	1	4
199	Insights into acetate-mediated copper homeostasis and antioxidant defense in lentil under excessive copper stress. <i>Environmental Pollution</i> , 2020 , 258, 113544	9.3	23
198	Transcriptional factor databases for legume plants 2020 , 1131-1136		
197	Overexpression of GmWRI1b in soybean stably improves plant architecture and associated yield parameters, and increases total seed oil production under field conditions. <i>Plant Biotechnology Journal</i> , 2020 , 18, 1639-1641	11.6	12
196	Is N-feedback involved in the regulation of nitrogenase activity in <i>Medicago truncatula</i> ?. <i>Journal of Plant Nutrition and Soil Science</i> , 2020 , 183, 42-45	2.3	1
195	Community structures of the rhizomicrobiomes of cultivated and wild soybeans in their continuous cropping. <i>Microbiological Research</i> , 2020 , 232, 126390	5.3	15
194	Jasmonic Acid at the Crossroads of Plant Immunity and Virulence. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8

193	Does Karrikin Signaling Shape the Rhizomicrobiome via the Strigolactone Biosynthetic Pathway?. <i>Trends in Plant Science</i> , 2020 , 25, 1184-1187	13.1	3
192	Different strategies of strigolactone and karrikin signals in regulating the resistance of to water-deficit stress. <i>Plant Signaling and Behavior</i> , 2020 , 15, 1789321	2.5	3
191	The compositions of rhizosphere microbiomes of wild and cultivated soybeans changed following the hybridization of their F1 and F2 generations. <i>European Journal of Soil Biology</i> , 2020 , 101, 103249	2.9	4
190	Enhancing Salt Tolerance of Plants: From Metabolic Reprogramming to Exogenous Chemical Treatments and Molecular Approaches. <i>Cells</i> , 2020 , 9,	7.9	25
189	Physical and biochemical properties of 10 wild almond (<i>Amygdalus scoparia</i>) accessions naturally grown in Iran. <i>Food Bioscience</i> , 2020 , 37, 100721	4.9	6
188	Integrative omic and transgenic analyses reveal the positive effect of ultraviolet-B irradiation on salvianolic acid biosynthesis through upregulation of SmNAC1. <i>Plant Journal</i> , 2020 , 104, 781-799	6.9	7
187	The East Asian Winter Monsoon Acts as a Major Selective Factor in the Intraspecific Differentiation of Drought-Tolerant in Northwest China. <i>Plants</i> , 2020 , 9,	4.5	3
186	The GATA Gene Family in Chickpea: Structure Analysis and Transcriptional Responses to Abscisic Acid and Dehydration Treatments Revealed Potential Genes Involved in Drought Adaptation. <i>Journal of Plant Growth Regulation</i> , 2020 , 39, 1647-1660	4.7	9
185	Heat stress effects on source-sink relationships and metabolome dynamics in wheat. <i>Journal of Experimental Botany</i> , 2020 , 71, 543-554	7	36
184	CRISPR/Cas9-Based Gene Editing in Soybean. <i>Methods in Molecular Biology</i> , 2020 , 2107, 349-364	1.4	8
183	Comparative study of the mycorrhizal root transcriptomes of wild and cultivated rice in response to the pathogen <i>Magnaporthe oryzae</i> . <i>Rice</i> , 2019 , 12, 35	5.8	20
182	Divergent metabolic adjustments in nodules are indispensable for efficient N fixation of soybean under phosphate stress. <i>Plant Science</i> , 2019 , 289, 110249	5.3	6
181	Mechanistic insights into enhanced tolerance of early growth of alfalfa (<i>Medicago sativa</i> L.) under low water potential by seed-priming with ascorbic acid or polyethylene glycol solution. <i>Industrial Crops and Products</i> , 2019 , 137, 436-445	5.9	10
180	Alleviation of the effect of salinity on growth and yield of strawberry by foliar spray of selenium-nanoparticles. <i>Environmental Pollution</i> , 2019 , 253, 246-258	9.3	94
179	CRISPR/Cas9-mediated targeted mutagenesis of GmSPL9 genes alters plant architecture in soybean. <i>BMC Plant Biology</i> , 2019 , 19, 131	5.3	68
178	Insight into salt tolerance mechanisms of the halophyte <i>Achras sapota</i> : an important fruit tree for agriculture in coastal areas. <i>Protoplasma</i> , 2019 , 256, 181-191	3.4	23
177	Do Cytokinins and Strigolactones Crosstalk during Drought Adaptation?. <i>Trends in Plant Science</i> , 2019 , 24, 669-672	13.1	17
176	Acetic acid: a cost-effective agent for mitigation of seawater-induced salt toxicity in mung bean. <i>Scientific Reports</i> , 2019 , 9, 15186	4.9	28

175	Bioimaging structural signatures of the oomycete pathogen <i>Sclerospora graminicola</i> in pearl millet using different microscopic techniques. <i>Scientific Reports</i> , 2019 , 9, 15175	4.9	4
174	The Soybean GmNAC019 Transcription Factor Mediates Drought Tolerance in an Abscisic Acid-Dependent Manner. <i>International Journal of Molecular Sciences</i> , 2019 , 21,	6.3	11
173	Plant responses to low-oxygen stress: Interplay between ROS and NO signaling pathways. <i>Environmental and Experimental Botany</i> , 2019 , 161, 134-142	5.9	10
172	The R2R3-MYB Transcription Factor MYB49 Regulates Cadmium Accumulation. <i>Plant Physiology</i> , 2019 , 180, 529-542	6.6	69
171	Crosstalk between the cytokinin and MAX2 signaling pathways in growth and callus formation of <i>Arabidopsis thaliana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2019 , 511, 300-306	3.4	4
170	Ectopic Expression of Enhances Drought Tolerance and ABA Sensitivity in. <i>Biomolecules</i> , 2019 , 9,	5.9	10
169	Interactive Effects of Salicylic Acid and Nitric Oxide in Enhancing Rice Tolerance to Cadmium Stress. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	37
168	Overexpression of GmNAC085 enhances drought tolerance in <i>Arabidopsis</i> by regulating glutathione biosynthesis, redox balance and glutathione-dependent detoxification of reactive oxygen species and methylglyoxal. <i>Environmental and Experimental Botany</i> , 2019 , 161, 242-254	5.9	30
167	Differential responses of molecular mechanisms and physiochemical characters in wild and cultivated soybeans against invasion by the pathogenic <i>Fusarium oxysporum</i> Schltdl. <i>Physiologia Plantarum</i> , 2019 , 166, 1008-1025	4.6	9
166	The CRISPR/Cas9 system and its applications in crop genome editing. <i>Critical Reviews in Biotechnology</i> , 2019 , 39, 321-336	9.4	56
165	Extracts from Yeast and Carrot Roots Enhance Maize Performance under Seawater-Induced Salt Stress by Altering Physio-Biochemical Characteristics of Stressed Plants. <i>Journal of Plant Growth Regulation</i> , 2019 , 38, 966-979	4.7	44
164	Salicylic acid modulates cutting-induced physiological and biochemical responses to delay senescence in two gerbera cultivars. <i>Plant Growth Regulation</i> , 2019 , 87, 245-256	3.2	10
163	<i>Ganoderma applanatum</i> -mediated green synthesis of silver nanoparticles: Structural characterization, and in vitro and in vivo biomedical and agrochemical properties. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 1108-1120	5.9	65
162	Co-evolutionary associations between root-associated microbiomes and root transcriptomes in wild and cultivated rice varieties. <i>Plant Physiology and Biochemistry</i> , 2018 , 128, 134-141	5.4	12
161	Grass and maize vegetation systems restore saline-sodic soils in the Songnen Plain of northeast China. <i>Land Degradation and Development</i> , 2018 , 29, 1107-1119	4.4	35
160	Legume genetic resources and transcriptome dynamics under abiotic stress conditions. <i>Plant, Cell and Environment</i> , 2018 , 41, 1972-1983	8.4	52
159	Comparative analysis of the root transcriptomes of cultivated and wild rice varieties in response to <i>Magnaporthe oryzae</i> infection revealed both common and species-specific pathogen responses. <i>Rice</i> , 2018 , 11, 26	5.8	22
158	The soybean transcription factor GmNAC085 enhances drought tolerance in <i>Arabidopsis</i> . <i>Environmental and Experimental Botany</i> , 2018 , 151, 12-20	5.9	42

157	Methylglyoxal - a signaling molecule in plant abiotic stress responses. <i>Free Radical Biology and Medicine</i> , 2018 , 122, 96-109	7.8	66
156	Genome editing using CRISPR/Cas9-targeted mutagenesis: An opportunity for yield improvements of crop plants grown under environmental stresses. <i>Plant Physiology and Biochemistry</i> , 2018 , 131, 31-36	5.4	51
155	Different mechanisms of <i>Trichoderma virens</i> -mediated resistance in tomato against <i>Fusarium</i> wilt involve the jasmonic and salicylic acid pathways. <i>Molecular Plant Pathology</i> , 2018 , 19, 870-882	5.7	108
154	Adaptive Mechanisms of Soybean Grown on Salt-Affected Soils. <i>Land Degradation and Development</i> , 2018 , 29, 1054-1064	4.4	37
153	The use of metabolomic quantitative trait locus mapping and osmotic adjustment traits for the improvement of crop yields under environmental stresses. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 83, 86-94	7.5	41
152	Metabolomics and Transcriptomics in Legumes Under Phosphate Deficiency in Relation to Nitrogen Fixation by Root Nodules. <i>Frontiers in Plant Science</i> , 2018 , 9, 922	6.2	24
151	Cellular and Subcellular Phosphate Transport Machinery in Plants. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	19
150	Computational Modeling of the Staphylococcal Enterotoxins and Their Interaction with Natural Antitoxin Compounds. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	15
149	Salt stress tolerance mechanisms and potential applications of legumes for sustainable reclamation of salt-degraded soils. <i>Land Degradation and Development</i> , 2018 , 29, 3812-3822	4.4	49
148	Impact of domestication on the evolution of rhizomicrobiome of rice in response to the presence of <i>Magnaporthe oryzae</i> . <i>Plant Physiology and Biochemistry</i> , 2018 , 132, 156-165	5.4	15
147	Strigolactones in plant adaptation to abiotic stresses: An emerging avenue of plant research. <i>Plant, Cell and Environment</i> , 2018 , 41, 2227-2243	8.4	73
146	Pretreatment of seeds with thidiazuron delimits its negative effects on explants and promotes regeneration in chickpea (<i>Cicer arietinum</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2018 , 133, 103-114	2.7	11
145	Current understanding of pattern-triggered immunity and hormone-mediated defense in rice (<i>Oryza sativa</i>) in response to <i>Magnaporthe oryzae</i> infection. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 83, 95-105	7.5	22
144	Physiological and biochemical modifications by postharvest treatment with sodium nitroprusside extend vase life of cut flowers of two gerbera cultivars. <i>Postharvest Biology and Technology</i> , 2018 , 137, 1-8	6.2	20
143	Titanium Dioxide Nanoparticles Improve Growth and Enhance Tolerance of Broad Bean Plants under Saline Soil Conditions. <i>Land Degradation and Development</i> , 2018 , 29, 1065-1073	4.4	141
142	Mycorrhizal fungal community structure in tropical humid soils under fallow and cropping conditions. <i>Scientific Reports</i> , 2018 , 8, 17061	4.9	7
141	Genome-Wide Identification of the TCP Transcription Factor Family in Chickpea (<i>Cicer arietinum</i> L.) and Their Transcriptional Responses to Dehydration and Exogenous Abscisic Acid Treatments. <i>Journal of Plant Growth Regulation</i> , 2018 , 37, 1286-1299	4.7	4
140	Identification, Structural Characterization and Gene Expression Analysis of Members of the Nuclear Factor-Y Family in Chickpea (L.) under Dehydration and Abscisic Acid Treatments. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	11

139	Salicylic Acid-Mediated Enhancement of Photosynthesis Attributes and Antioxidant Capacity Contributes to Yield Improvement of Maize Plants Under Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2018 , 37, 1318-1330	4.7	66
138	Function of the evolutionarily conserved plant methionine-S-sulfoxide reductase without the catalytic residue. <i>Protoplasma</i> , 2018 , 255, 1741-1750	3.4	2
137	Effects of overproduced ethylene on the contents of other phytohormones and expression of their key biosynthetic genes. <i>Plant Physiology and Biochemistry</i> , 2018 , 128, 170-177	5.4	12
136	Phenotypical, physiological and biochemical analyses provide insight into selenium-induced phytotoxicity in rice plants. <i>Chemosphere</i> , 2017 , 178, 212-223	8.4	81
135	The "STAY-GREEN" trait and phytohormone signaling networks in plants under heat stress. <i>Plant Cell Reports</i> , 2017 , 36, 1009-1025	5.1	97
134	Comparative transcriptome analysis of nodules of two Mesorhizobium-chickpea associations with differential symbiotic efficiency under phosphate deficiency. <i>Plant Journal</i> , 2017 , 91, 911-926	6.9	26
133	Isolation and characterization of Ceba2, a natural alliospiroside A, from shallot (<i>Allium cepa</i> L. Aggregatum group) with anticancer activity. <i>Plant Physiology and Biochemistry</i> , 2017 , 116, 167-173	5.4	21
132	Cytokinin Signaling in Plant Response to Abiotic Stresses 2017 , 71-100		8
131	Exogenous Glutathione Modulates Salinity Tolerance of Soybean [<i>Glycine max</i> (L.) Merrill] at Reproductive Stage. <i>Journal of Plant Growth Regulation</i> , 2017 , 36, 877-888	4.7	46
130	Effects of Ethylene on Seed Germination of Halophyte Plants Under Salt Stress. <i>Methods in Molecular Biology</i> , 2017 , 1573, 253-259	1.4	6
129	Mechanisms and strategies of plant defense against <i>Botrytis cinerea</i> . <i>Critical Reviews in Biotechnology</i> , 2017 , 37, 262-274	9.4	99
128	The karrikin receptor KAI2 promotes drought resistance in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2017 , 13, e1007076	6	87
127	<i>Sargassum muticum</i> and <i>Jania rubens</i> regulate amino acid metabolism to improve growth and alleviate salinity in chickpea. <i>Scientific Reports</i> , 2017 , 7, 10537	4.9	40
126	Impact of salt-induced toxicity on growth and yield-potential of local wheat cultivars: oxidative stress and ion toxicity are among the major determinants of salt-tolerant capacity. <i>Chemosphere</i> , 2017 , 187, 385-394	8.4	56
125	Transcription Factors in <i>Jatropha</i> . <i>Compendium of Plant Genomes</i> , 2017 , 47-60	0.8	1
124	Ethanol Enhances High-Salinity Stress Tolerance by Detoxifying Reactive Oxygen Species in and Rice. <i>Frontiers in Plant Science</i> , 2017 , 8, 1001	6.2	47
123	Comparative Analysis of the Combined Effects of Different Water and Phosphate Levels on Growth and Biological Nitrogen Fixation of Nine Cowpea Varieties. <i>Frontiers in Plant Science</i> , 2017 , 8, 2111	6.2	22
122	Transcription Factors and Their Roles in Signal Transduction in Plants under Abiotic Stresses. <i>Current Genomics</i> , 2017 , 18, 483-497	2.6	86

121	Adaptation to Phosphate Stress by N ₂ -Fixing Legumes: Lessons to Learn from the Model <i>Medicago truncatula</i> 2017 , 185-205		
120	Adaptation of the symbiotic <i>Mesorhizobium-chickpea</i> relationship to phosphate deficiency relies on reprogramming of whole-plant metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E4610-9	11.5	49
119	OaMAX2 of <i>Orobanche aegyptiaca</i> and <i>Arabidopsis</i> AtMAX2 share conserved functions in both development and drought responses. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 478, 521-6	3.4	16
118	Isolation and evaluation of proteolytic actinomycete isolates as novel inducers of pearl millet downy mildew disease protection. <i>Scientific Reports</i> , 2016 , 6, 30789	4.9	30
117	The Yin-Yang of Cytokinin Homeostasis and Drought Acclimation/Adaptation. <i>Trends in Plant Science</i> , 2016 , 21, 548-550	13.1	56
116	Expression analyses of soybean genes encoding methionine-R-sulfoxide reductase under various conditions suggest a possible role in the adaptation to stress. <i>Applied Biological Chemistry</i> , 2016 , 59, 681-687	2.9	8
115	<i>Arabidopsis</i> type B cytokinin response regulators ARR1, ARR10, and ARR12 negatively regulate plant responses to drought. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3090-5	11.5	118
114	Dissection of <i>Trichoderma longibrachiatum</i> -induced defense in onion (<i>Allium cepa</i> L.) against <i>Fusarium oxysporum</i> f. sp. <i>cepa</i> by target metabolite profiling. <i>Plant Science</i> , 2016 , 246, 128-138	5.3	91
113	Plant protein phosphatases 2C: from genomic diversity to functional multiplicity and importance in stress management. <i>Critical Reviews in Biotechnology</i> , 2016 , 36, 1023-1035	9.4	55
112	Multifaceted roles of aquaporins as molecular conduits in plant responses to abiotic stresses. <i>Critical Reviews in Biotechnology</i> , 2016 , 36, 389-98	9.4	42
111	The Contribution of Buckwheat Genetic Resources to Health and Dietary Diversity. <i>Current Genomics</i> , 2016 , 17, 193-206	2.6	33
110	Plant Quality Improvement and Nutrigenomics. <i>Current Genomics</i> , 2016 , 17, 153-4	2.6	1
109	Impacts of Priming with Silicon on the Growth and Tolerance of Maize Plants to Alkaline Stress. <i>Frontiers in Plant Science</i> , 2016 , 7, 243	6.2	130
108	Nitric Oxide Mitigates Salt Stress by Regulating Levels of Osmolytes and Antioxidant Enzymes in Chickpea. <i>Frontiers in Plant Science</i> , 2016 , 7, 347	6.2	304
107	Genetic Engineering: A Promising Tool to Engineer Physiological, Biochemical, and Molecular Stress Resilience in Green Microalgae. <i>Frontiers in Plant Science</i> , 2016 , 7, 400	6.2	45
106	Methylglyoxal: An Emerging Signaling Molecule in Plant Abiotic Stress Responses and Tolerance. <i>Frontiers in Plant Science</i> , 2016 , 7, 1341	6.2	121
105	Exogenous Trehalose Treatment Enhances the Activities of Defense-Related Enzymes and Triggers Resistance against Downy Mildew Disease of Pearl Millet. <i>Frontiers in Plant Science</i> , 2016 , 7, 1593	6.2	37
104	Omics and Plant Responses to. <i>Frontiers in Plant Science</i> , 2016 , 7, 1658	6.2	49

103	Enhancement of Plant Productivity in the Post-Genomics Era. <i>Current Genomics</i> , 2016 , 17, 295-6	2.6	29
102	Enhancement of downy mildew disease resistance in pearl millet by the G_app7 bioactive compound produced by <i>Ganoderma applanatum</i> . <i>Plant Physiology and Biochemistry</i> , 2016 , 105, 109-117	5.4	14
101	Hydrogen peroxide priming modulates abiotic oxidative stress tolerance: insights from ROS detoxification and scavenging. <i>Frontiers in Plant Science</i> , 2015 , 6, 420	6.2	389
100	Phosphorus homeostasis in legume nodules as an adaptive strategy to phosphorus deficiency. <i>Plant Science</i> , 2015 , 239, 36-43	5.3	93
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