Lam-Son P Tran

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2338890/publications.pdf

Version: 2024-02-01

255 papers	25,213 citations	6592 79 h-index	7931 149 g-index
263 all docs	263 docs citations	263 times ranked	19506 citing authors

#	Article	IF	Citations
1	Comparison of methane metabolism in the rhizomicrobiomes of wild and related cultivated rice accessions reveals a strong impact of crop domestication. Science of the Total Environment, 2022, 803, 150131.	3.9	8
2	Ethanol Treatment Enhances Physiological and Biochemical Responses to Mitigate Saline Toxicity in Soybean. Plants, 2022, 11, 272.	1.6	22
3	Effects of agricultural activities on energy-carbon-water nexus of the Qinghai-Tibet Plateau. Journal of Cleaner Production, 2022, 331, 129995.	4.6	24
4	Insights into the gene and protein structures of the CaSWEET family members in chickpea (Cicer) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 (acid treatments. Gene, 2022, 819, 146210.	1.0	5
5	Carbon metabolic adjustment in soybean nodules in response to phosphate limitation: A metabolite perspective. Environmental and Experimental Botany, 2022, 196, 104810.	2.0	10
6	Ethanol Positively Modulates Photosynthetic Traits, Antioxidant Defense and Osmoprotectant Levels to Enhance Drought Acclimatization in Soybean. Antioxidants, 2022, 11, 516.	2.2	12
7	Arsenite: the umpire of arsenate perception and responses in plants. Trends in Plant Science, 2022, 27, 420-422.	4.3	4
8	Sinapate Esters Mediate UV-B-Induced Stomatal Closure by Regulating Nitric Oxide, Hydrogen Peroxide, and Malate Accumulation in Arabidopsis thaliana. Plant and Cell Physiology, 2022, , .	1.5	1
9	Effects of glutathione on waterlogging-induced damage in sesame crop. Industrial Crops and Products, 2022, 185, 115092.	2.5	9
10	Strategies for agricultural production management based on land, water and carbon footprints on the Qinghai-Tibet Plateau. Journal of Cleaner Production, 2022, 362, 132563.	4.6	9
11	Bioactive Compounds from the Zingiberaceae Family with Known Antioxidant Activities for Possible Therapeutic Uses. Antioxidants, 2022, 11, 1281.	2.2	9
12	Modulation of osmoprotection and antioxidant defense by exogenously applied acetate enhances cadmium stress tolerance in lentil seedlings. Environmental Pollution, 2022, 308, 119687.	3.7	6
13	Scenarios and sustainability of the economyâ€“nitrogen-resourceâ€“environment system using a system dynamic model on the Qinghai-Tibet Plateau. Journal of Environmental Management, 2022, 318, 115623.	3.8	3
14	Phosphate or nitrate imbalance induces stronger molecular responses than combined nutrient deprivation in roots and leaves of chickpea plants. Plant, Cell and Environment, 2021, 44, 574-597.	2.8	22
15	Acetic acid improves drought acclimation in soybean: an integrative response of photosynthesis, osmoregulation, mineral uptake and antioxidant defense. Physiologia Plantarum, 2021, 172, 334-350.	2.6	41
16	Comparative effects of ascobin and glutathione on copper homeostasis and oxidative stress metabolism in mitigation of copper toxicity in rice. Plant Biology, 2021, 23, 162-169.	1.8	16
17	Glutathione improves rice tolerance to submergence: insights into its physiological and biochemical mechanisms. Journal of Biotechnology, 2021, 325, 109-118.	1.9	14
18	Overexpression of GmMYB14 improves highâ€density yield and drought tolerance of soybean through regulating plant architecture mediated by the brassinosteroid pathway. Plant Biotechnology Journal, 2021, 19, 702-716.	4.1	78

#	Article	IF	Citations
19	Melatonin alleviates drought impact on growth and essential oil yield of lemon verbena by enhancing antioxidant responses, mineral balance, and abscisic acid content. Physiologia Plantarum, 2021, 172, 1363-1375.	2.6	43
20	Silicon in mitigation of abiotic stress-induced oxidative damage in plants. Critical Reviews in Biotechnology, 2021, 41, 918-934.	5.1	76
21	Wild rice harbors more root endophytic fungi than cultivated rice in the F1 offspring after crossbreeding. BMC Genomics, 2021, 22, 278.	1.2	6
22	Medicago sativa and Medicago truncatula Show Contrasting Root Metabolic Responses to Drought. Frontiers in Plant Science, 2021, 12, 652143.	1.7	8
23	Antioxidants and Bioactive Compounds in Licorice Root Extract Potentially Contribute to Improving Growth, Bulb Quality and Yield of Onion (Allium cepa). Molecules, 2021, 26, 2633.	1.7	14
24	Influence of different types of explants in chickpea regeneration using thidiazuron seed-priming. Journal of Plant Research, 2021, 134, 1149-1154.	1.2	8
25	Genome-wide identification, characterization and expression profiles of the CCD gene family in Gossypium species. 3 Biotech, 2021, 11, 249.	1.1	11
26	Genotypeâ€•and tissueâ€•specific physiological and biochemical changes of two chickpea (<scp><i>Cicer) Tj ETQq0 0 0 rgBT /Overlock 1 1822-1834.	2.6	3
27	Driving Factor Analysis of Ecosystem Service Balance for Watershed Management in the Lancang River Valley, Southwest China. Land, 2021, 10, 522.	1.2	6
28	Rice domestication influences the composition and function of the rhizosphere bacterial chemotaxis systems. Plant and Soil, 2021, 466, 81-99.	1.8	16
29	Histidine Kinases: Diverse Functions in Plant Development and Responses to Environmental Conditions. Annual Review of Plant Biology, 2021, 72, 297-323.	8.6	13
30	The Drought-Mediated Soybean GmNAC085 Functions as a Positive Regulator of Plant Response to Salinity. International Journal of Molecular Sciences, 2021, 22, 8986.	1.8	10
31	Strigolactones regulate arsenate uptake, vacuolar-sequestration and antioxidant defense responses to resist arsenic toxicity in rice roots. Journal of Hazardous Materials, 2021, 415, 125589.	6.5	32
32	Silicon-mediated heat tolerance in higher plants: A mechanistic outlook. Plant Physiology and Biochemistry, 2021, 166, 341-347.	2.8	24
33	JASMONATE ZIM-DOMAIN Family Proteins: Important Nodes in Jasmonic Acid-Abscisic Acid Crosstalk for Regulating Plant Response to Drought. Current Protein and Peptide Science, 2021, 22, 759-766.	0.7	9
34	Adaptive Mechanisms of Halophytes and Their Potential in Improving Salinity Tolerance in Plants. International Journal of Molecular Sciences, 2021, 22, 10733.	1.8	75
35	MYB70 modulates seed germination and root system development in Arabidopsis. IScience, 2021, 24, 103228.	1.9	22
36	Exogenous melatonin mitigates salinityâ€•induced damage in olive seedlings by modulating ion homeostasis, antioxidant defense, and phytohormone balance. Physiologia Plantarum, 2021, 173, 1682-1694.	2.6	35

#	Article	IF	Citations
37	Defective cytokinin signaling reprograms lipid and flavonoid gene-to-metabolite networks to mitigate high salinity in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	34
38	Strigolactones Modulate Cellular Antioxidant Defense Mechanisms to Mitigate Arsenate Toxicity in Rice Shoots. Antioxidants, 2021, 10, 1815.	2.2	13
39	Transcriptome Analysis Reveals Roles of Anthocyanin- and Jasmonic Acid-Biosynthetic Pathways in Rapeseed in Response to High Light Stress. International Journal of Molecular Sciences, 2021, 22, 13027.	1.8	9
40	Heat stress effects on sourceâ€“sink relationships and metabolome dynamics in wheat. Journal of Experimental Botany, 2020, 71, 543-554.	2.4	76
41	Insights into acetate-mediated copper homeostasis and antioxidant defense in lentil under excessive copper stress. Environmental Pollution, 2020, 258, 113544.	3.7	50
42	The Soybean GmNAC019 Transcription Factor Mediates Drought Tolerance in Arabidopsis in an Abscisic Acid-Dependent Manner. International Journal of Molecular Sciences, 2020, 21, 286.	1.8	16
43	Overexpression of GmWRI1b in soybean stably improves plant architecture and associated yield parameters, and increases total seed oil production under field conditions. Plant Biotechnology Journal, 2020, 18, 1639-1641.	4.1	38
44	Is Nâ€feedback involved in the regulation of nitrogenase activity in Medicago truncatula ?. Journal of Plant Nutrition and Soil Science, 2020, 183, 42-45.	1.1	2
45	Community structures of the rhizomicrobiomes of cultivated and wild soybeans in their continuous cropping. Microbiological Research, 2020, 232, 126390.	2.5	25
46	Jasmonic Acid at the Crossroads of Plant Immunity and Pseudomonas syringae Virulence. International Journal of Molecular Sciences, 2020, 21, 7482.	1.8	30
47	Does Karrikin Signaling Shape the Rhizomicrobiome via the Strigolactone Biosynthetic Pathway?. Trends in Plant Science, 2020, 25, 1184-1187.	4.3	8
48	Different strategies of strigolactone and karrikin signals in regulating the resistance of Arabidopsis thaliana to water-deficit stress. Plant Signaling and Behavior, 2020, 15, 1789321.	1.2	10
49	The compositions of rhizosphere microbiomes of wild and cultivated soybeans changed following the hybridization of their F1 and F2 generations. European Journal of Soil Biology, 2020, 101, 103249.	1.4	5
50	Enhancing Salt Tolerance of Plants: From Metabolic Reprogramming to Exogenous Chemical Treatments and Molecular Approaches. Cells, 2020, 9, 2492.	1.8	68
51	Physical and biochemical properties of 10 wild almond (Amygdalus scoparia) accessions naturally grown in Iran. Food Bioscience, 2020, 37, 100721.	2.0	9
52	Integrative omic and transgenic analyses reveal the positive effect of ultravioletâ€B irradiation on salvianolic acid biosynthesis through upregulation of SmNAC1. Plant Journal, 2020, 104, 781-799.	2.8	14
53	The East Asian Winter Monsoon Acts as a Major Selective Factor in the Intraspecific Differentiation of Drought-Tolerant Nitraria tangutorum in Northwest China. Plants, 2020, 9, 1100.	1.6	7
54	The GATA Gene Family in Chickpea: Structure Analysis and Transcriptional Responses to Abscisic Acid and Dehydration Treatments Revealed Potential Genes Involved in Drought Adaptation. Journal of Plant Growth Regulation, 2020, 39, 1647-1660.	2.8	15

#	Article	IF	Citations
55	Acetic acid improves drought acclimation in soybean: an integrative response of photosynthesis, osmoregulation, mineral uptake and antioxidant defense. Physiologia Plantarum, 2020, 172, 334.	2.6	7
56	Natural Products, Traditional Uses and Pharmacological Activities of the Genus Biebersteinia (Biebersteiniaceae). Plants, 2020, 9, 595.	1.6	8
57	Comparative Metabolome and Transcriptome Analyses of Susceptible Asparagus officinalis and Resistant Wild A. kiusianus Reveal Insights into Stem Blight Disease Resistance. Plant and Cell Physiology, 2020, 61, 1464-1476.	1.5	17
58	The <scp>R2R3â€MYB</scp> transcription factor <scp>AtMYB49</scp> modulates salt tolerance in Arabidopsis by modulating the cuticle formation and antioxidant defence. Plant, Cell and Environment, 2020, 43, 1925-1943.	2.8	96
59	Heat Sensing and Lipid Reprograming as a Signaling Switch for Heat Stress Responses in Wheat. Plant and Cell Physiology, 2020, 61, 1399-1407.	1.5	38
60	MYB Superfamily in Brassica napus: Evidence for Hormone-Mediated Expression Profiles, Large Expansion, and Functions in Root Hair Development. Biomolecules, 2020, 10, 875.	1.8	20
61	Research Advances of Beneficial Microbiota Associated with Crop Plants. International Journal of Molecular Sciences, 2020, 21, 1792.	1.8	48
62	Altering Plant Architecture to Improve Performance and Resistance. Trends in Plant Science, 2020, 25, 1154-1170.	4.3	63
63	Transcriptome Analysis Reveals Potential Roles of Abscisic Acid and Polyphenols in Adaptation of Onobrychis viciifolia to Extreme Environmental Conditions in the Qinghai-Tibetan Plateau. Biomolecules, 2020, 10, 967.	1.8	7
64	Phytohormones regulate convergent and divergent responses between individual and combined drought and pathogen infection. Critical Reviews in Biotechnology, 2020, 40, 320-340.	5.1	38
65	Comparative functional analyses of DWARF14 and KARRIKIN INSENSITIVEÂ2 in drought adaptation of Arabidopsis thaliana. Plant Journal, 2020, 103, 111-127.	2.8	58
66	Salicylic acid antagonizes selenium phytotoxicity in rice: selenium homeostasis, oxidative stress metabolism and methylglyoxal detoxification. Journal of Hazardous Materials, 2020, 394, 122572.	6.5	59
67	Negative Roles of Strigolactone-Related SMXL6, 7 and 8 Proteins in Drought Resistance in Arabidopsis. Biomolecules, 2020, 10, 607.	1.8	40
68	Heterologous Expression of a Soybean Gene RR34 Conferred Improved Drought Resistance of Transgenic Arabidopsis. Plants, 2020, 9, 494.	1.6	5
69	Assessment of biochemical and physiological parameters of durum wheat genotypes at the seedling stage during polyethylene glycol-induced water stress. Plant Growth Regulation, 2020, 92, 81-93.	1.8	35
70	CRISPR/Cas9-Based Gene Editing in Soybean. Methods in Molecular Biology, 2020, 2107, 349-364.	0.4	11
71	NAC Transcription Factors in Drought and Salinity Tolerance. Signaling and Communication in Plants, 2020, , 351-366.	0.5	4
72	Type 2C Protein Phosphatases in Plant Signaling Pathways under Abiotic Stress. , 2020, , 67-82.		0

#	ARTICLE	IF	CITATIONS
73	Insight into salt tolerance mechanisms of the halophyte Achras sapota: an important fruit tree for agriculture in coastal areas. Protoplasma, 2019, 256, 181-191.	1.0	31
74	Do Cytokinins and Strigolactones Crosstalk during Drought Adaptation?. Trends in Plant Science, 2019, 24, 669-672.	4.3	30
75	Acetic acid: a cost-effective agent for mitigation of seawater-induced salt toxicity in mung bean. Scientific Reports, 2019, 9, 15186.	1.6	67
76	Bioimaging structural signatures of the oomycete pathogen Sclerospora graminicola in pearl millet using different microscopic techniques. Scientific Reports, 2019, 9, 15175.	1.6	8
77	Comparative study of the mycorrhizal root transcriptomes of wild and cultivated rice in response to the pathogen Magnaporthe oryzae. Rice, 2019, 12, 35.	1.7	30
78	Divergent metabolic adjustments in nodules are indispensable for efficient N2 fixation of soybean under phosphate stress. Plant Science, 2019, 289, 110249.	1.7	18
79	Mechanistic insights into enhanced tolerance of early growth of alfalfa (Medicago sativa L.) under low water potential by seed-priming with ascorbic acid or polyethylene glycol solution. Industrial Crops and Products, 2019, 137, 436-445.	2.5	17
80	Alleviation of the effect of salinity on growth and yield of strawberry by foliar spray of selenium-nanoparticles. Environmental Pollution, 2019, 253, 246-258.	3.7	181
81	CRISPR/Cas9-mediated targeted mutagenesis of GmSPL9 genes alters plant architecture in soybean. BMC Plant Biology, 2019, 19, 131.	1.6	119
82	Plant responses to low-oxygen stress: Interplay between ROS and NO signaling pathways. Environmental and Experimental Botany, 2019, 161, 134-142.	2.0	22
83	The R2R3-MYB Transcription Factor MYB49 Regulates Cadmium Accumulation. Plant Physiology, 2019, 180, 529-542.	2.3	149
84	Crosstalk between the cytokinin and MAX2 signaling pathways in growth and callus formation of Arabidopsis thaliana. Biochemical and Biophysical Research Communications, 2019, 511, 300-306.	1.0	13
85	Ectopic Expression of Glycine max GmNAC109 Enhances Drought Tolerance and ABA Sensitivity in Arabidopsis. Biomolecules, 2019, 9, 714.	1.8	14
86	Interactive Effects of Salicylic Acid and Nitric Oxide in Enhancing Rice Tolerance to Cadmium Stress. International Journal of Molecular Sciences, 2019, 20, 5798.	1.8	63
87	Overexpression of GmNAC085 enhances drought tolerance in Arabidopsis by regulating glutathione biosynthesis, redox balance and glutathione-dependent detoxification of reactive oxygen species and methylglyoxal. Environmental and Experimental Botany, 2019, 161, 242-254.	2.0	47
88	Differential responses of molecular mechanisms and physiochemical characters in wild and cultivated soybeans against invasion by the pathogenic Fusarium oxysporum Schltdl. Physiologia Plantarum, 2019, 166, 1008-1025.	2.6	14
89	The CRISPR/Cas9 system and its applications in crop genome editing. Critical Reviews in Biotechnology, 2019, 39, 321-336.	5.1	109
90	Extracts from Yeast and Carrot Roots Enhance Maize Performance under Seawater-Induced Salt Stress by Altering Physio-Biochemical Characteristics of Stressed Plants. Journal of Plant Growth Regulation, 2019, 38, 966-979.	2.8	90

#	Article	IF	Citations
91	Salicylic acid modulates cutting-induced physiological and biochemical responses to delay senescence in two gerbera cultivars. Plant Growth Regulation, 2019, 87, 245-256.	1.8	20
92	Ganoderma applanatum-mediated green synthesis of silver nanoparticles: Structural characterization, and in vitro and in vivo biomedical and agrochemical properties. Arabian Journal of Chemistry, 2019, 12, 1108-1120.	2.3	86
93	Co-evolutionary associations between root-associated microbiomes and root transcriptomes in wild and cultivated rice varieties. Plant Physiology and Biochemistry, 2018, 128, 134-141.	2.8	20
94	Grass and maize vegetation systems restore salineâ€sodic soils in the Songnen Plain of northeast China. Land Degradation and Development, 2018, 29, 1107-1119.	1.8	48
95	Legume genetic resources and transcriptome dynamics under abiotic stress conditions. Plant, Cell and Environment, 2018, 41, 1972-1983.	2.8	75
96	Comparative analysis of the root transcriptomes of cultivated and wild rice varieties in response to Magnaporthe oryzae infection revealed both common and species-specific pathogen responses. Rice, 2018, 11, 26.	1.7	29
97	The soybean transcription factor GmNAC085 enhances drought tolerance in Arabidopsis. Environmental and Experimental Botany, 2018, 151, 12-20.	2.0	58
98	Methylglyoxal â€“ a signaling molecule in plant abiotic stress responses. Free Radical Biology and Medicine, 2018, 122, 96-109.	1.3	117
99	Genome editing using CRISPR/Cas9â€“targeted mutagenesis: An opportunity for yield improvements of crop plants grown under environmental stresses. Plant Physiology and Biochemistry, 2018, 131, 31-36.	2.8	69
100	Different mechanisms of Trichoderma virensâ€mediated resistance in tomato against Fusarium wilt involve the jasmonic and salicylic acid pathways. Molecular Plant Pathology, 2018, 19, 870-882.	2.0	145
101	Adaptive Mechanisms of Soybean Grown on Saltâ€Affected Soils. Land Degradation and Development, 2018, 29, 1054-1064.	1.8	63
102	The use of metabolomic quantitative trait locus mapping and osmotic adjustment traits for the improvement of crop yields under environmental stresses. Seminars in Cell and Developmental Biology, 2018, 83, 86-94.	2.3	63
103	Pretreatment of seeds with thidiazuron delimits its negative effects on explants and promotes regeneration in chickpea (Cicer arietinum L.). Plant Cell, Tissue and Organ Culture, 2018, 133, 103-114.	1.2	23
104	Current understanding of pattern-triggered immunity and hormone-mediated defense in rice (Oryza) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2018, 83, 95-105.	2.3	35
105	Physiological and biochemical modifications by postharvest treatment with sodium nitroprusside extend vase life of cut flowers of two gerbera cultivars. Postharvest Biology and Technology, 2018, 137, 1-8.	2.9	42
106	Titanium Dioxide Nanoparticles Improve Growth and Enhance Tolerance of Broad Bean Plants under Saline Soil Conditions. Land Degradation and Development, 2018, 29, 1065-1073.	1.8	222
107	Mycorrhizal fungal community structure in tropical humid soils under fallow and cropping conditions. Scientific Reports, 2018, 8, 17061.	1.6	11
108	Genome-Wide Identification of the TCP Transcription Factor Family in Chickpea (Cicer arietinum L.) and Their Transcriptional Responses to Dehydration and Exogenous Abscisic Acid Treatments. Journal of Plant Growth Regulation, 2018, 37, 1286-1299.	2.8	5

#	Article	IF	Citations
109	Identification, Structural Characterization and Gene Expression Analysis of Members of the Nuclear Factor-Y Family in Chickpea (Cicer arietinum L.) under Dehydration and Abscisic Acid Treatments. International Journal of Molecular Sciences, 2018, 19, 3290.	1.8	14
110	Salicylic Acid-Mediated Enhancement of Photosynthesis Attributes and Antioxidant Capacity Contributes to Yield Improvement of Maize Plants Under Salt Stress. Journal of Plant Growth Regulation, 2018, 37, 1318-1330.	2.8	98
111	Function of the evolutionarily conserved plant methionine-S-sulfoxide reductase without theÂcatalytic residue. Protoplasma, 2018, 255, 1741-1750.	1.0	7
112	Effects of overproduced ethylene on the contents of other phytohormones and expression of their key biosynthetic genes. Plant Physiology and Biochemistry, 2018, 128, 170-177.	2.8	19
113	Metabolomics and Transcriptomics in Legumes Under Phosphate Deficiency in Relation to Nitrogen Fixation by Root Nodules. Frontiers in Plant Science, 2018, 9, 922.	1.7	33
114	Cellular and Subcellular Phosphate Transport Machinery in Plants. International Journal of Molecular Sciences, 2018, 19, 1914.	1.8	46
115	Computational Modeling of the Staphylococcal Enterotoxins and Their Interaction with Natural Antitoxin Compounds. International Journal of Molecular Sciences, 2018, 19, 133.	1.8	25
116	Salt stress tolerance mechanisms and potential applications of legumes for sustainable reclamation of saltâ€•degraded soils. Land Degradation and Development, 2018, 29, 3812-3822.	1.8	82
117	Impact of domestication on the evolution of rhizomicrobiome of rice in response to the presence of Magnaporthe oryzae. Plant Physiology and Biochemistry, 2018, 132, 156-165.	2.8	23
118	Strigolactones in plant adaptation to abiotic stresses: An emerging avenue of plant research. Plant, Cell and Environment, 2018, 41, 2227-2243.	2.8	155
119	Phenotypical, physiological and biochemical analyses provide insight into selenium-induced phytotoxicity in rice plants. Chemosphere, 2017, 178, 212-223.	4.2	116
120	The â€œSTAY-GREENâ€•trait and phytohormone signaling networks in plants under heat stress. Plant Cell Reports, 2017, 36, 1009-1025.	2.8	145
121	Comparative transcriptome analysis of nodules of two Mesorhizobiumâ€“chickpea associations with differential symbiotic efficiency under phosphate deficiency. Plant Journal, 2017, 91, 911-926.	2.8	34
122	Isolation and characterization of Cepa2, a natural alliospiroside A, from shallot (Allium cepa L.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	2.8	31
123	Exogenous Glutathione Modulates Salinity Tolerance of Soybean [Glycine max (L.) Merrill] at Reproductive Stage. Journal of Plant Growth Regulation, 2017, 36, 877-888.	2.8	69
124	Effects of Ethylene on Seed Germination of Halophyte Plants Under Salt Stress. Methods in Molecular Biology, 2017, 1573, 253-259.	0.4	8
125	Mechanisms and strategies of plant defense against Botrytis cinerea. Critical Reviews in Biotechnology, 2017, 37, 262-274.	5.1	160
126	Sargassum muticum and Jania rubens regulate amino acid metabolism to improve growth and alleviate salinity in chickpea. Scientific Reports, 2017, 7, 10537.	1.6	68

#	Article	IF	Citations
127	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. Chemosphere, 2017, 187, 385-394.	4.2	90
128	Transcription Factors in Jatropha. Compendium of Plant Genomes, 2017, , 47-60.	0.3	1
129	Ethanol Enhances High-Salinity Stress Tolerance by Detoxifying Reactive Oxygen Species in Arabidopsis thaliana and Rice. Frontiers in Plant Science, 2017, 8, 1001.	1.7	86
130	Comparative Analysis of the Combined Effects of Different Water and Phosphate Levels on Growth and Biological Nitrogen Fixation of Nine Cowpea Varieties. Frontiers in Plant Science, 2017, 8, 2111.	1.7	37
131	The karrikin receptor KAI2 promotes drought resistance in Arabidopsis thaliana. PLoS Genetics, 2017, 13, e1007076.	1.5	140
132	Transcription Factors and Their Roles in Signal Transduction in Plants under Abiotic Stresses. Current Genomics, 2017, 18, 483-497.	0.7	157
133	Adaptation to Phosphate Stress by N2-Fixing Legumes: Lessons to Learn from the Model Medicago truncatula. , 2017, , 185-205.		0
134	Multifaceted roles of aquaporins as molecular conduits in plant responses to abiotic stresses. Critical Reviews in Biotechnology, 2016, 36, 1-10.	5.1	48
135	Editorial (Thematic Issue: Plant Quality Improvement and Nutrigenomics). Current Genomics, 2016, 17, 153-154.	0.7	3
136	Impacts of Priming with Silicon on the Growth and Tolerance of Maize Plants to Alkaline Stress. Frontiers in Plant Science, 2016, 7, 243.	1.7	196
137	Nitric Oxide Mitigates Salt Stress by Regulating Levels of Osmolytes and Antioxidant Enzymes in Chickpea. Frontiers in Plant Science, 2016, 7, 347.	1.7	446
138	Genetic Engineering: A Promising Tool to Engender Physiological, Biochemical, and Molecular Stress Resilience in Green Microalgae. Frontiers in Plant Science, 2016, 7, 400.	1.7	58
139	Methylglyoxal: An Emerging Signaling Molecule in Plant Abiotic Stress Responses and Tolerance. Frontiers in Plant Science, 2016, 7, 1341.	1.7	185
140	Exogenous Trehalose Treatment Enhances the Activities of Defense-Related Enzymes and Triggers Resistance against Downy Mildew Disease of Pearl Millet. Frontiers in Plant Science, 2016, 7, 1593.	1.7	44
141	â€˜Omicsâ€™ and Plant Responses to Botrytis cinerea. Frontiers in Plant Science, 2016, 7, 1658.	1.7	67
142	Editorial (Thematic Issue: Enhancement of Plant Productivity in the Post-Genomics Era). Current Genomics, 2016, 17, 295-296.	0.7	38
143	Enhancement of downy mildew disease resistance in pearl millet by the G_app7 bioactive compound produced by Ganoderma applanatum. Plant Physiology and Biochemistry, 2016, 105, 109-117.	2.8	17
144	Adaptation of the symbiotic Mesorhizobium â€“chickpea relationship to phosphate deficiency relies on reprogramming of whole-plant metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4610-9.	3.3	55

#	Article	IF	Citations
145	OaMAX2 of Orobanche aegyptiaca and Arabidopsis AtMAX2 share conserved functions in both development and drought responses. Biochemical and Biophysical Research Communications, 2016, 478, 521-526.	1.0	17
146	Isolation and evaluation of proteolytic actinomycete isolates as novel inducers of pearl millet downy mildew disease protection. Scientific Reports, 2016, 6, 30789.	1.6	41
147	The Yinâ€"Yang of Cytokinin Homeostasis and Drought Acclimation/Adaptation. Trends in Plant Science, 2016, 21, 548-550.	4.3	90
148	Expression analyses of soybean genes encoding methionine-R-sulfoxide reductase under various conditions suggest a possible role in the adaptation to stress. Applied Biological Chemistry, 2016, 59, 681-687.	0.7	10
149	Arabidopsis type B cytokinin response regulators ARR1, ARR10, and ARR12 negatively regulate plant responses to drought. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3090-3095.	3.3	186
150	Dissection of Trichoderma longibrachiatum-induced defense in onion (Allium cepa L.) against Fusarium oxysporum f. sp. cepa by target metabolite profiling. Plant Science, 2016, 246, 128-138.	1.7	123
151	Plant protein phosphatases 2C: from genomic diversity to functional multiplicity and importance in stress management. Critical Reviews in Biotechnology, 2016, 36, 1023-1035.	5.1	87
152	The Contribution of Buckwheat Genetic Resources to Health and Dietary Diversity. Current Genomics, 2016, 17, 193-206.	0.7	44
153	Hydrogen sulfide modulates cadmium-induced physiological and biochemical responses to alleviate cadmium toxicity in rice. Scientific Reports, 2015, 5, 14078.	1.6	243
154	The Evolutionary History of R2R3-MYB Proteins Across 50 Eukaryotes: New Insights Into Subfamily Classification and Expansion. Scientific Reports, 2015, 5, 11037.	1.6	121
155	Regulation of Plant Mineral Nutrition: Transport, Sensing and Signaling. International Journal of Molecular Sciences, 2015, 16, 29717-29719.	1.8	7
156	Correlation between differential drought tolerability of two contrasting drought-responsive chickpea cultivars and differential expression of a subset of CaNAC genes under normal and dehydration conditions. Frontiers in Plant Science, 2015, 6, 449.	1.7	17
157	Comparative analysis of root transcriptomes from two contrasting drought-responsive Williams 82 and DT2008 soybean cultivars under normal and dehydration conditions. Frontiers in Plant Science, 2015, 6, 551.	1.7	37
158	Hydrogen Sulfide Regulates Salt Tolerance in Rice by Maintaining Na+/K+ Balance, Mineral Homeostasis and Oxidative Metabolism Under Excessive Salt Stress. Frontiers in Plant Science, 2015, 6, 1055.	1.7	201
159	Plants Coping Abiotic and Biotic Stresses: A Tale of Diligent Management. BioMed Research International, 2015, 2015, 1-2.	0.9	8
160	DT2008: A Promising New Genetic Resource for Improved Drought Tolerance in Soybean When Solely Dependent on Symbiotic N₂Fixation. BioMed Research International, 2015, 2015, 1-7.	0.9	31
161	Alleviation of Cadmium Toxicity in Brassica juncea L. (Czern. & Coss.) by Calcium Application Involves Various Physiological and Biochemical Strategies. PLoS ONE, 2015, 10, e0114571.	1.1	235
162	Hydrogen peroxide priming modulates abiotic oxidative stress tolerance: insights from ROS detoxification and scavenging. Frontiers in Plant Science, 2015, 6, 420.	1.7	552

#	Article	IF	Citations
163	Phosphorus homeostasis in legume nodules as an adaptive strategy to phosphorus deficiency. Plant Science, 2015, 239, 36-43.	1.7	137
164	Physiological and biochemical mechanisms associated with trehalose-induced copper-stress tolerance in rice. Scientific Reports, 2015, 5, 11433.	1.6	141
165	Nitric oxide mediates hydrogen peroxide- and salicylic acid-induced salt tolerance in rice (Oryza sativa) Tj ETQq1 1 0.784314 rgBT /Ov	1.8	98
166	Regulation of Photosynthesis during Abiotic Stress-Induced Photoinhibition. Molecular Plant, 2015, 8, 1304-1320.	3.9	600
167	Does Elevated CO2 Provide Real Benefits for N2-Fixing Leguminous Symbioses?. , 2015, , 89-112.		7
168	A transposable element in a NAC gene is associated with drought tolerance in maize seedlings. Nature Communications, 2015, 6, 8326.	5.8	392
169	Are karrikins involved in plant abiotic stress responses?. Trends in Plant Science, 2015, 20, 535-538.	4.3	32
170	Role of Ethylene and Its Cross Talk with Other Signaling Molecules in Plant Responses to Heavy Metal Stress. Plant Physiology, 2015, 169, 73-84.	2.3	168
171	Improvement of growth, fruit weight and early blight disease protection of tomato plants by rhizosphere bacteria is correlated with their beneficial traits and induced biosynthesis of antioxidant peroxidase and polyphenol oxidase. Plant Science, 2015, 231, 62-73.	1.7	188
172	Differential Expression of Two-Component Systemâ€“Related Drought-Responsive Genes in Two Contrasting Drought-Tolerant Soybean Cultivars DT51 and MTD720 Under Well-Watered and Drought Conditions. Plant Molecular Biology Reporter, 2015, 33, 1599-1610.	1.0	7
173	Roles of Gibberellins and Abscisic Acid in Regulating Germination of Suaeda salsa Dimorphic Seeds Under Salt Stress. Frontiers in Plant Science, 2015, 6, 1235.	1.7	66
174	Functional Analysis of Water Stress-Responsive Soybean GmNAC003 and GmNAC004 Transcription Factors in Lateral Root Development in Arabidopsis. PLoS ONE, 2014, 9, e84886.	1.1	46
175	Genome-Wide Identification and Expression Analysis of the CaNAC Family Members in Chickpea during Development, Dehydration and ABA Treatments. PLoS ONE, 2014, 9, e114107.	1.1	49
176	Response of plants to water stress. Frontiers in Plant Science, 2014, 5, 86.	1.7	1,091
177	Symbiotic Nitrogen Fixation in Legume Nodules: Metabolism and Regulatory Mechanisms. International Journal of Molecular Sciences, 2014, 15, 19389-19393.	1.8	38
178	Evaluation of Drought Tolerance of the Vietnamese Soybean Cultivars Provides Potential Resources for Soybean Production and Genetic Engineering. BioMed Research International, 2014, 2014, 1-9.	0.9	33
179	Approaches for enhancement of <scp>N</scp>₂ fixation efficiency of chickpea (<scp>C</scp>icer arietinum L.) under limiting nitrogen conditions. Plant Biotechnology Journal, 2014, 12, 387-397.	4.1	36
180	Transcription Factors in Abiotic Stress Responses: Their Potentials in Crop Improvement. , 2014, , 337-366.		9

#	Article	IF	Citations
181	Positive regulatory role of strigolactone in plant responses to drought and salt stress. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 851-856.	3.3	555
182	ABA control of plant macroelement membrane transport systems in response to water deficit and high salinity. New Phytologist, 2014, 202, 35-49.	3.5	321
183	Mechanisms of physiological adjustment of N₂ fixation in Cicer arietinum L. (chickpea) during early stages of water deficit: single or multiâ€factor controls. Plant Journal, 2014, 79, 964-980.	2.8	46
184	Overexpression of AtDREB1D transcription factor improves drought tolerance in soybean. Molecular Biology Reports, 2014, 41, 7995-8008.	1.0	56
185	Differential expression analysis of a subset of GmNAC genes in shoots of two contrasting drought-responsive soybean cultivars DT51 and MTD720 under normal and drought conditions. Molecular Biology Reports, 2014, 41, 5563-5569.	1.0	20
186	N-feedback regulation is synchronized with nodule carbon alteration in Medicago truncatula under excessive nitrate or low phosphorus conditions. Journal of Plant Physiology, 2014, 171, 407-410.	1.6	28
187	Understanding plant responses to phosphorus starvation for improvement of plant tolerance to phosphorus deficiency by biotechnological approaches. Critical Reviews in Biotechnology, 2014, 34, 16-30.	5.1	88
188	Arabidopsis AHP2, AHP3, and AHP5 histidine phosphotransfer proteins function as redundant negative regulators of drought stress response. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4840-4845.	3.3	191
189	Characterization of rhizosphere fungi that mediate resistance in tomato against bacterial wilt disease. Journal of Experimental Botany, 2013, 64, 3829-3842.	2.4	167
190	Sensing the environment: key roles of membrane-localized kinases in plant perception and response to abiotic stress. Journal of Experimental Botany, 2013, 64, 445-458.	2.4	325
191	Systems biology-based approaches toward understanding drought tolerance in food crops. Critical Reviews in Biotechnology, 2013, 33, 23-39.	5.1	178
192	Comparative Analysis of the Symbiotic Efficiency of Medicago truncatula and Medicago sativa under Phosphorus Deficiency. International Journal of Molecular Sciences, 2013, 14, 5198-5213.	1.8	34
193	Asparagine: an amide of particular distinction in the regulation of symbiotic nitrogen fixation of legumes. Critical Reviews in Biotechnology, 2013, 33, 309-327.	5.1	70
194	Genome-Wide Analysis of ZmDREB Genes and Their Association with Natural Variation in Drought Tolerance at Seedling Stage of Zea mays L. PLoS Genetics, 2013, 9, e1003790.	1.5	280
195	Characterization of the Newly Developed Soybean Cultivar DT2008 in Relation to the Model Variety W82 Reveals a New Genetic Resource for Comparative and Functional Genomics for Improved Drought Tolerance. BioMed Research International, 2013, 2013, 1-8.	0.9	20
196	Differential Expression Analysis of a Subset of Drought-Responsive GmNAC Genes in Two Soybean Cultivars Differing in Drought Tolerance. International Journal of Molecular Sciences, 2013, 14, 23828-23841.	1.8	41
197	The Auxin Response Factor Transcription Factor Family in Soybean: Genome-Wide Identification and Expression Analyses During Development and Water Stress. DNA Research, 2013, 20, 511-524.	1.5	151
198	TreeTFDB: An Integrative Database of the Transcription Factors from Six Economically Important Tree Crops for Functional Predictions and Comparative and Functional Genomics. DNA Research, 2013, 20, 151-162.	1.5	25

#	ARTICLE	IF	CITATIONS
199	Growth and nodulation of symbiotic Medicago truncatula at different levels of phosphorus availability. Journal of Experimental Botany, 2013, 64, 2701-2712.	2.4	102
200	Diversity of Plant Methionine Sulfoxide Reductases B and Evolution of a Form Specific for Free Methionine Sulfoxide. PLoS ONE, 2013, 8, e65637.	1.1	26
201	Contribution of Genomics to Gene Discovery in Plant Abiotic Stress Responses. Molecular Plant, 2012, 5, 1176-1178.	3.9	59
202	Evaluation of Candidate Reference Genes for Normalization of Quantitative RT-PCR in Soybean Tissues under Various Abiotic Stress Conditions. PLoS ONE, 2012, 7, e46487.	1.1	115
203	Interaction of Brassinosteroids and Polyamines Enhances Copper Stress Tolerance in Raphanus Sativus. Journal of Experimental Botany, 2012, 63, 5659-5675.	2.4	142
204	Cytokinins: metabolism and function in plant adaptation to environmental stresses. Trends in Plant Science, 2012, 17, 172-179.	4.3	466
205	Transcription Factors Involved in Environmental Stress Responses in Plants. , 2012, , 279-295.		2
206	Benefits of brassinosteroid crosstalk. Trends in Plant Science, 2012, 17, 594-605.	4.3	271
207	Potentials toward genetic engineering of drought-tolerant soybean. Critical Reviews in Biotechnology, 2012, 32, 349-362.	5.1	94
208	Differential Gene Expression in Soybean Leaf Tissues at Late Developmental Stages under Drought Stress Revealed by Genome-Wide Transcriptome Analysis. PLoS ONE, 2012, 7, e49522.	1.1	162
209	Higher Plant Cytochrome b5 Polypeptides Modulate Fatty Acid Desaturation. PLoS ONE, 2012, 7, e31370.	1.1	37
210	Regulatory Roles of Cytokinins and Cytokinin Signaling in Response to Potassium Deficiency in Arabidopsis. PLoS ONE, 2012, 7, e47797.	1.1	120
211	Transcriptome Analyses of a Salt-Tolerant Cytokinin-Deficient Mutant Reveal Differential Regulation of Salt Stress Response by Cytokinin Deficiency. PLoS ONE, 2012, 7, e32124.	1.1	146
212	Chromium Stress Mitigation by Polyamine-Brassinosteroid Application Involves Phytohormonal and Physiological Strategies in Raphanus sativus L.. PLoS ONE, 2012, 7, e33210.	1.1	159
213	Identification and Expression Analysis of Cytokinin Metabolic Genes in Soybean under Normal and Drought Conditions in Relation to Cytokinin Levels. PLoS ONE, 2012, 7, e42411.	1.1	132
214	Phytosterols: Perspectives in Human Nutrition and Clinical Therapy. Current Medicinal Chemistry, 2011, 18, 4557-4567.	1.2	56
215	Loss of poly-.GAMMA.-glutamic Acid Synthesis of Bacillus subtilis (natto) Due to IS4Bsu1 Translocation to swrA Gene. Food Science and Technology Research, 2011, 17, 447-451.	0.3	4
216	Analysis of Cytokinin Mutants and Regulation of Cytokinin Metabolic Genes Reveals Important Regulatory Roles of Cytokinins in Drought, Salt and Abscisic Acid Responses, and Abscisic Acid Biosynthesis Â. Plant Cell, 2011, 23, 2169-2183.	3.1	647

#	Article	IF	Citations
217	Progress studies of drought-responsive genes in rice. Plant Cell Reports, 2011, 30, 297-310.	2.8	259
218	Genome-Wide Survey and Expression Analysis of the Plant-Specific NAC Transcription Factor Family in Soybean During Development and Dehydration Stress. DNA Research, 2011, 18, 263-276.	1.5	362
219	Arabidopsis Cys2/His2 Zinc-Finger Proteins AZF1 and AZF2 Negatively Regulate Abscisic Acid-Repressive and Auxin-Inducible Genes under Abiotic Stress Conditions Â Â. Plant Physiology, 2011, 157, 742-756.	2.3	165
220	In Silico Analysis of Transcription Factor Repertoires and Prediction of Stress-Responsive Transcription Factors from Six Major Gramineae Plants. DNA Research, 2011, 18, 321-332.	1.5	48
221	SPINDLY, a Negative Regulator of Gibberellic Acid Signaling, Is Involved in the Plant Abiotic Stress Response Â Â. Plant Physiology, 2011, 157, 1900-1913.	2.3	93
222	Genome-Wide Expression Profiling of Soybean Two-Component System Genes in Soybean Root and Shoot Tissues under Dehydration Stress. DNA Research, 2011, 18, 17-29.	1.5	113
223	Functional genomics of soybean for improvement of productivity in adverse conditions. Functional and Integrative Genomics, 2010, 10, 447-462.	1.4	86
224	Molecular characterization and functional analysis of Glycine max sterol methyl transferase 2 genes involved in plant membrane sterol biosynthesis. Plant Molecular Biology, 2010, 74, 503-518.	2.0	23
225	Role of cytokinin responsive two-component system in ABA and osmotic stress signalings. Plant Signaling and Behavior, 2010, 5, 148-150.	1.2	107
226	Identification and prediction of abiotic stress responsive transcription factors involved in abiotic stress signaling in soybean. Plant Signaling and Behavior, 2010, 5, 255-257.	1.2	46
227	LegumeTFDB: an integrative database of Glycine max, Lotus japonicus and Medicago truncatula transcription factors. Bioinformatics, 2010, 26, 290-291.	1.8	70
228	Differential Expression of Isoflavone Biosynthetic Genes in Soybean During Water Deficits. Plant and Cell Physiology, 2010, 51, 936-948.	1.5	98
229	Potential utilization of NAC transcription factors to enhance abiotic stress tolerance in plants by biotechnological approach. GM Crops, 2010, 1, 32-39.	1.8	212
230	Amino acids conferring herbicide resistance in tobacco acetohydroxyacid synthase. GM Crops, 2010, 1, 62-67.	1.8	7
231	A platform for functional prediction and comparative analyses of transcription factors of legumes and beyond. Plant Signaling and Behavior, 2010, 5, 550-552.	1.2	14
232	Genome-Wide Analysis of Two-Component Systems and Prediction of Stress-Responsive Two-Component System Members in Soybean. DNA Research, 2010, 17, 303-324.	1.5	87
233	In silico Analysis of Transcription Factor Repertoire and Prediction of Stress Responsive Transcription Factors in Soybean. DNA Research, 2009, 16, 353-369.	1.5	87
234	Molecular characterization of stress-inducible GmNAC genes in soybean. Molecular Genetics and Genomics, 2009, 281, 647-664.	1.0	138

#	Article	IF	Citations
235	Physiological and Molecular Approaches to Improve Drought Resistance in Soybean. Plant and Cell Physiology, 2009, 50, 1260-1276.	1.5	484
236	Expression of thepgsBEncoding the Poly-gamma-<scp>DL</scp>-glutamate Synthetase ofBacillus subtilis (natto). Bioscience, Biotechnology and Biochemistry, 2009, 73, 1149-1155.	0.6	37
237	ArabidopsisDREB2A-Interacting Proteins Function as RING E3 Ligases and Negatively Regulate Plant Drought Stressâ€"Responsive Gene Expression. Plant Cell, 2008, 20, 1693-1707.	3.1	477
238	Functional analysis of AHK1/ATHK1 and cytokinin receptor histidine kinases in response to abscisic acid, drought, and salt stress in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20623-20628.	3.3	592
239	Plant Gene Networks in Osmotic Stress Response: From Genes to Regulatory Networks. Methods in Enzymology, 2007, 428, 109-128.	0.4	114
240	Regulation and functional analysis of ZmDREB2A in response to drought and heat stresses in Zea mays L. Plant Journal, 2007, 50, 54-69.	2.8	447
241	Functional analysis of a NAC-type transcription factor OsNAC6 involved in abiotic and biotic stress-responsive gene expression in rice. Plant Journal, 2007, 51, 617-630.	2.8	996
242	Co-expression of the stress-inducible zinc finger homeodomain ZFHD1 and NAC transcription factors enhances expression of the ERD1 gene in Arabidopsis. Plant Journal, 2006, 49, 46-63.	2.8	256
243	Roles and regulation of the glutamate racemase isogenes, racE and yrpC, in Bacillus subtilis. Microbiology (United Kingdom), 2004, 150, 2911-2920.	0.7	47
244	A dehydration-induced NAC protein, RD26, is involved in a novel ABA-dependent stress-signaling pathway. Plant Journal, 2004, 39, 863-876.	2.8	877
245	Isolation and Functional Analysis of Arabidopsis Stress-Inducible NAC Transcription Factors That Bind to a Drought-Responsive cis-Element in the early responsive to dehydration stress 1 Promoter[W]. Plant Cell, 2004, 16, 2481-2498.	3.1	1,329
246	Characterization of Bacillus subtilis Â-glutamyltransferase and its involvement in the degradation of capsule poly-Â-glutamate. Microbiology (United Kingdom), 2004, 150, 4115-4123.	0.7	103
247	Divergent structure of the ComQXPA quorum-sensing components: molecular basis of strain-specific communication mechanism in Bacillus subtilis. Molecular Microbiology, 2000, 37, 1159-1171.	1.2	126
248	A New IS 4 Family Insertion Sequence, IS 4Bsu 1, Responsible for Genetic Instability of Poly-Î³-Glutamic Acid Production in Bacillus subtilis. Journal of Bacteriology, 2000, 182, 2387-2392.	1.0	73
249	Phage abortive infection of Bacillus licheniformis ATCC 9800; identification of the abiBL11 gene and localisation and sequencing of its promoter region. Applied Microbiology and Biotechnology, 1999, 52, 845-852.	1.7	6
250	Isolation of a Î²-Galactosidase-Encoding Gene from Bacillus licheniformis : Purification and Characterization of the Recombinant Enzyme Expressed in Escherichia coli. Current Microbiology, 1998, 37, 39-43.	1.0	17
251	Construction of a single-copy integration vector and its use to study gene expression in Bacillus licheniformis. Microbiology (United Kingdom), 1998, 144, 2573-2578.	0.7	1
252	Cloning and expression of a $beta;-1,4-endoglucanase gene from Cellulomonas sp. CelB7 in Escherichia coli; purification and characterization of the recombinant enzyme. FEMS Microbiology Letters, 1996, 145, 355-360.	0.7	5

#	Article	IF	Citations
253	Transposon Tn917PF1 mutagenesis in Bacillus licheniformis. Microbiology (United Kingdom), 1994, 140, 3091-3097.	0.7	5
254	Future Biotechnology of Legumes. Agronomy, 0, , 265-307.	0.2	6
255	Evidence for miRNAs involved in the high-altitude responses of sainfoin (Onobrychis viciifolia) grown in the Qinghai-Tibetan plateau. Journal of Plant Biochemistry and Biotechnology, 0, , 1.	0.9	0