

Muhammad Ali

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77
papers

1,705
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24
h-index

38
g-index

80
ext. papers

2,520
ext. citations

4.8
avg, IF

4.97
L-index

#	Paper	IF	Citations
77	The Plant Heat Stress Transcription Factors (HSFs): Structure, Regulation, and Function in Response to Abiotic Stresses. <i>Frontiers in Plant Science</i> , 2016 , 7, 114	6.2	282
76	Heat Shock Proteins: Dynamic Biomolecules to Counter Plant Biotic and Abiotic Stresses. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	104
75	Melatonin and Its Effects on Plant Systems. <i>Molecules</i> , 2018 , 23,	4.8	86
74	A Novel Peroxidase CanPOD Gene of Pepper Is Involved in Defense Responses to Phytophthora capsici Infection as well as Abiotic Stress Tolerance. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 3158-77	6.3	66
73	Genome-wide analysis, expression profile of heat shock factor gene family (CaHsfs) and characterisation of CaHsfa2 in pepper (Capsicum annum L.). <i>BMC Plant Biology</i> , 2015 , 15, 151	5.3	60
72	Genome-wide analysis of the CaHsp20 gene family in pepper: comprehensive sequence and expression profile analysis under heat stress. <i>Frontiers in Plant Science</i> , 2015 , 6, 806	6.2	58
71	Genome-wide analysis of the Hsp70 family genes in pepper (Capsicum annum L.) and functional identification of CaHsp70-2 involvement in heat stress. <i>Plant Science</i> , 2016 , 252, 246-256	5.3	45
70	Characterization of CaHsp70-1, a pepper heat-shock protein gene in response to heat stress and some regulation exogenous substances in Capsicum annum L. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 19741-59	6.3	44
69	Genome-wide identification of the AP2/ERF transcription factor family in pepper (Capsicum annum L.). <i>Genome</i> , 2018 , 61, 663-674	2.4	36
68	A small heat shock protein CaHsp25.9 positively regulates heat, salt, and drought stress tolerance in pepper (Capsicum annum L.). <i>Plant Physiology and Biochemistry</i> , 2019 , 142, 151-162	5.4	36
67	Genome-Wide Identification and Analysis of the SBP-Box Family Genes under Phytophthora capsici Stress in Pepper (Capsicum annum L.). <i>Frontiers in Plant Science</i> , 2016 , 7, 504	6.2	34
66	Characterization and expression profile of CaNAC2 pepper gene. <i>Frontiers in Plant Science</i> , 2015 , 6, 755	6.2	33
65	A novel F-box protein CaF-box is involved in responses to plant hormones and abiotic stress in pepper (Capsicum annum L.). <i>International Journal of Molecular Sciences</i> , 2014 , 15, 2413-30	6.3	33
64	Suppression Subtractive Hybridization Analysis of Genes Regulated by Application of Exogenous Abscisic Acid in Pepper Plant (Capsicum annum L.) Leaves under Chilling Stress. <i>PLoS ONE</i> , 2013 , 8, e66667	2.7	33
63	CaHSP16.4, a small heat shock protein gene in pepper, is involved in heat and drought tolerance. <i>Protoplasma</i> , 2019 , 256, 39-51	3.4	32
62	Defence responses of pepper (Capsicum annum L.) infected with incompatible and compatible strains of Phytophthora capsici. <i>European Journal of Plant Pathology</i> , 2013 , 136, 625-638	2.1	32
61	Characteristic of the pepper CaRGA2 gene in defense responses against Phytophthora capsici Leonian. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 8985-9004	6.3	31

60	A New Ethylene-Responsive Factor CaPTI1 Gene of Pepper (<i>Capsicum annuum</i> L.) Involved in the Regulation of Defense Response to <i>Phytophthora capsici</i> . <i>Frontiers in Plant Science</i> , 2015 , 6, 1217	6.2	31
59	Genome-Wide Identification, Expression Diversification of Dehydrin Gene Family and Characterization of CaDHN3 in Pepper (<i>Capsicum annuum</i> L.). <i>PLoS ONE</i> , 2016 , 11, e0161073	3.7	30
58	Identification of CBL and CIPK gene families and functional characterization of CaCIPK1 under <i>Phytophthora capsici</i> in pepper (<i>Capsicum annuum</i> L.). <i>BMC Genomics</i> , 2019 , 20, 775	4.5	29
57	A further analysis of the relationship between yellow ripe-fruit color and the capsanthin-capsorubin synthase gene in pepper (<i>Capsicum</i> sp.) indicated a new mutant variant in <i>C. annuum</i> and a tandem repeat structure in promoter region. <i>PLoS ONE</i> , 2013 , 8, e61996	3.7	29
56	Reduced tolerance to abiotic stress in transgenic <i>Arabidopsis</i> overexpressing a <i>Capsicum annuum</i> multiprotein bridging factor 1. <i>BMC Plant Biology</i> , 2014 , 14, 138	5.3	28
55	The CBL-CIPK Pathway in Plant Response to Stress Signals. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	28
54	Genome-wide analysis of dirigent gene family in pepper (<i>Capsicum annuum</i> L.) and characterization of CaDIR7 in biotic and abiotic stresses. <i>Scientific Reports</i> , 2018 , 8, 5500	4.9	27
53	Silencing of dehydrin CaDHN1 diminishes tolerance to multiple abiotic stresses in <i>Capsicum annuum</i> L. <i>Plant Cell Reports</i> , 2015 , 34, 2189-200	5.1	24
52	Classification and Genome-Wide Analysis of Chitin-Binding Proteins Gene Family in Pepper (<i>Capsicum annuum</i> L.) and Transcriptional Regulation to <i>Phytophthora capsici</i> , Abiotic Stresses and Hormonal Applications. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	23
51	Mechanisms Regulating the Dynamics of Photosynthesis Under Abiotic Stresses. <i>Frontiers in Plant Science</i> , 2020 , 11, 615942	6.2	22
50	The combination of arbuscular mycorrhizal fungi inoculation () and 28-homobrassinolide spraying intervals improves growth by enhancing photosynthesis, nutrient absorption, and antioxidant system in cucumber (<i>L.</i>) under salinity. <i>Ecology and Evolution</i> , 2018 , 8, 5724-5740	2.8	22
49	Development of a SCAR marker for early identification of S-cytoplasm based on mitochondrial SRAP analysis in pepper (<i>Capsicum annuum</i> L.). <i>Molecular Breeding</i> , 2014 , 33, 679-690	3.4	21
48	Involvement of a universal amino acid synthesis impediment in cytoplasmic male sterility in pepper. <i>Scientific Reports</i> , 2016 , 6, 23357	4.9	20
47	Knockdown of CaHSP60-6 confers enhanced sensitivity to heat stress in pepper (<i>Capsicum annuum</i> L.). <i>Planta</i> , 2019 , 250, 2127-2145	4.7	19
46	VIGS approach reveals the modulation of anthocyanin biosynthetic genes by CaMYB in chili pepper leaves. <i>Frontiers in Plant Science</i> , 2015 , 6, 500	6.2	18
45	The <i>Arabidopsis</i> SMALL AUXIN UP RNA32 Protein Regulates ABA-Mediated Responses to Drought Stress. <i>Frontiers in Plant Science</i> , 2021 , 12, 625493	6.2	18
44	Cloning and characterisation of a pepper aquaporin, CaAQP, which reduces chilling stress in transgenic tobacco plants. <i>Plant Cell, Tissue and Organ Culture</i> , 2014 , 118, 431-444	2.7	16
43	Effects of drought stress on capsanthin during fruit development and ripening in pepper (<i>Capsicum annuum</i> L.). <i>Agricultural Water Management</i> , 2014 , 137, 46-51	5.9	15

42	A Novel Transcription Factor Gene Negatively Regulates the Defense Response against in Pepper (L.). <i>International Journal of Molecular Sciences</i> , 2018 , 20,	6.3	15
41	A systematic in silico prediction of gibberellic acid stimulated GASA family members: A novel small peptide contributes to floral architecture and transcriptomic changes induced by external stimuli in rice. <i>Journal of Plant Physiology</i> , 2019 , 234-235, 117-132	3.6	14
40	A CMS-Related Gene, <i>βtp6-2</i> , Causes Increased ATP Hydrolysis Activity of the Mitochondrial F1Fo-ATP Synthase and Induces Male Sterility in Pepper (<i>Capsicum annuum</i> L.). <i>Plant Molecular Biology Reporter</i> , 2014 , 32, 888-899	1.7	12
39	Silencing of the CaCP gene delays salt- and osmotic-induced leaf senescence in <i>Capsicum annuum</i> L. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 8316-34	6.3	12
38	Cloning and expression analysis of CaPIP1-1 gene in pepper (<i>Capsicum annuum</i> L.). <i>Gene</i> , 2015 , 563, 87-93	3.8	11
37	The Gene of L. Confers Resistance Against Heat Stress and Infection of. <i>Frontiers in Plant Science</i> , 2020 , 11, 219	6.2	11
36	Biochar Integration with Legume Crops in Summer Gape Synergizes Nitrogen Use Efficiency and Enhance Maize Yield. <i>Agronomy</i> , 2020 , 10, 58	3.6	11
35	Knockdown of the chitin-binding protein family gene CaChiV1 increased sensitivity to <i>Phytophthora capsici</i> and drought stress in pepper plants. <i>Molecular Genetics and Genomics</i> , 2019 , 294, 1311-1326	3.1	10
34	Comparative in Silico Analysis of Ferric Reduction Oxidase (FRO) Genes Expression Patterns in Response to Abiotic Stresses, Metal and Hormone Applications. <i>Molecules</i> , 2018 , 23,	4.8	10
33	The Regulates Dual Functions in Pepper: Plant Cell Death and Resistance to. <i>Genes</i> , 2019 , 10,	4.2	10
32	Overexpression of the CaTIP1-1 pepper gene in tobacco enhances resistance to osmotic stresses. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 20101-16	6.3	9
31	Modified expression of a heat shock protein gene, CaHSP22.0, results in high sensitivity to heat and salt stress in pepper (<i>Capsicum annuum</i> L.). <i>Scientia Horticulturae</i> , 2019 , 249, 364-373	4.1	8
30	Cloning and characterization of the pepper CaPAO gene for defense responses to salt-induced leaf senescence. <i>BMC Biotechnology</i> , 2015 , 15, 100	3.5	8
29	Melatonin Mitigates the Infection of via Modulation of the Chitinase Gene and Antioxidant Activity in L. <i>Antioxidants</i> , 2020 , 10,	7.1	8
28	Chitinase Gene Positively Regulates Hypersensitive and Defense Responses of Pepper to Infection. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
27	Transcription Factor Negatively Regulates Salt Stress Tolerance in Pepper (L.). <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
26	CaMYC, A Novel Transcription Factor, Regulates Anthocyanin Biosynthesis in Color-leaved Pepper (<i>Capsicum annuum</i> L.). <i>Journal of Plant Growth Regulation</i> , 2019 , 38, 574-585	4.7	6
25	Variation in leaf color and combine effect of pigments on physiology and resistance to whitefly of pepper (<i>Capsicum annuum</i> L.). <i>Scientia Horticulturae</i> , 2018 , 229, 215-225	4.1	6

24	Assessing the functional role of color-related CaMYB gene under cold stress using virus-induced gene silencing in the fruit of pepper (<i>Capsicum annuum</i> L.). <i>Scientia Horticulturae</i> , 2020 , 272, 109504	4.1	5
23	PIF4 negatively modulates cold tolerance in tomato anthers via temperature-dependent regulation of tapetal cell death. <i>Plant Cell</i> , 2021 , 33, 2320-2339	11.6	5
22	Early transcriptional response of terpenoid metabolism to <i>Colletotrichum gloeosporioides</i> in a resistant wild strawberry <i>Fragaria nilgerrensis</i> . <i>Phytochemistry</i> , 2021 , 181, 112590	4	5
21	Analysis of tandem repeat units of the promoter of capsanthin/capsorubin synthase () gene in pepper fruit. <i>Physiology and Molecular Biology of Plants</i> , 2017 , 23, 685-691	2.8	4
20	Contribution of CaBPM4, a BTB Domain-Containing Gene, to the Response of Pepper to <i>Phytophthora capsici</i> Infection and Abiotic Stresses. <i>Agronomy</i> , 2019 , 9, 417	3.6	4
19	Identification of Pepper Gene in Defense Response Against Infection. <i>Frontiers in Plant Science</i> , 2020 , 11, 183	6.2	4
18	The Protective Role of 28-Homobrassinolide and in Cucumber to Withstand Saline Stress. <i>Plants</i> , 2019 , 9,	4.5	4
17	Participates in the Defense Response of Pepper to through Regulating the Expression of Defense-Related Genes. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
16	The CaCIPK3 gene positively regulates drought tolerance in pepper. <i>Horticulture Research</i> , 2021 , 8, 216	7.7	3
15	A novel gene, , negatively regulates fruit carotenoid content under cold stress in. <i>Food and Nutrition Research</i> , 2020 , 64,	3.1	3
14	Improves Plant Thermotolerance via Regulating the Expression of Stress- and Antioxidant-Related Genes. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
13	RNA N6-Methyladenosine Responds to Low-Temperature Stress in Tomato Anthers. <i>Frontiers in Plant Science</i> , 2021 , 12, 687826	6.2	3
12	Morpho-Physiological and Transcriptome Changes in Tomato Anthers of Different Developmental Stages under Drought Stress. <i>Cells</i> , 2021 , 10,	7.9	3
11	CanTF, a Novel Transcription Factor in Pepper, Is Involved in Resistance to <i>Phytophthora capsici</i> as well as Abiotic Stresses. <i>Plant Molecular Biology Reporter</i> , 2018 , 36, 776-789	1.7	3
10	Comprehensive transcriptome-based characterization of differentially expressed genes involved in carotenoid biosynthesis of different ripening stages of <i>Capsicum</i> . <i>Scientia Horticulturae</i> , 2021 , 288, 110311	4.1	3
9	The pepper MYB transcription factor CaMYB306 accelerates fruit coloration and negatively regulates cold resistance. <i>Scientia Horticulturae</i> , 2022 , 295, 110892	4.1	2
8	Phytochrome interacting factor 3 regulates pollen mitotic division through auxin signalling and sugar metabolism pathways in tomato. <i>New Phytologist</i> , 2021 ,	9.8	2
7	The CBL-interacting protein kinase CaCIPK13 positively regulates defence mechanisms against cold stress in pepper.. <i>Journal of Experimental Botany</i> , 2021 ,	7	2

6	CaHSP18.1a, a Small Heat Shock Protein from Pepper (<i>Capsicum annuum</i> L.), Positively Responds to Heat, Drought, and Salt Tolerance. <i>Horticulturae</i> , 2021 , 7, 117	2.5	2
5	Leaf-color mutation induced by ethyl methane sulfonate and genetic and physio-biochemical characterization of leaf-color mutants in pepper (<i>Capsicum annuum</i> L.). <i>Scientia Horticulturae</i> , 2019 , 257, 108709	4.1	1
4	First Report of <i>Colletotrichum gloeosporioides</i> Causing Anthracnose on Pepper in Shaanxi Province, China. <i>Plant Disease</i> , 2021 ,	1.5	1
3	Long non-coding RNA transcriptome landscape of anthers at different developmental stages in response to drought stress in tomato.. <i>Genomics</i> , 2022 , 110383	4.3	1
2	Mitogen-activated protein kinase 4 is obligatory for late pollen and early fruit development in tomato.. <i>Horticulture Research</i> , 2022 , 9, uhac048	7.7	0
1	Identification of Fruit Traits Related QTLs and a Candidate Gene, CaBRX, Controlling Locule Number in Pepper (<i>Capsicum annuum</i> L.). <i>Horticulturae</i> , 2022 , 8, 146	2.5	