Muhammad Ali

List of Publications by Year in Descending Order

77 papers	1,705 citations	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 pepper MYB transcription factor CaMYB306 accelerates fruit coloration and negatively regulates cold resistance. *Scientia Horticulturae*, **2022**, 295, 110892	4.1	2
76	Identification of Fruit Traits Related QTLs and a Candidate Gene, CaBRX, Controlling Locule Number in Pepper (Capsicum annuum L.). *Horticulturae*, **2022**, 8, 146	2.5	
75	Mitogen-activated protein kinase 4 is obligatory for late pollen and early fruit development in tomato.. *Horticulture Research*, **2022**, 9, uhac048	7.7	0
74	Long non-coding RNA transcriptome landscape of anthers at different developmental stages in response to drought stress in tomato.. *Genomics*, **2022**, 110383	4.3	1
73	Phytochrome interacting factor 3 regulates pollen mitotic division through auxin signalling and sugar metabolism pathways in tomato. *New Phytologist*, **2021**,	9.8	2
72	The CBL-interacting protein kinase CaCIPK13 positively regulates defence mechanisms against cold stress in pepper.. *Journal of Experimental Botany*, **2021**,	7	2
71	The CaCIPK3 gene positively regulates drought tolerance in pepper. *Horticulture Research*, **2021**, 8, 216	7.7	3
70	CaHSP18.1a, a Small Heat Shock Protein from Pepper (Capsicum annuum L.), Positively Responds to Heat, Drought, and Salt Tolerance. *Horticulturae*, **2021**, 7, 117	2.5	2
69	PIF4 negatively modulates cold tolerance in tomato anthers via temperature-dependent regulation of tapetal cell death. *Plant Cell*, **2021**, 33, 2320-2339	11.6	5
68	RNA N6-Methyladenosine Responds to Low-Temperature Stress in Tomato Anthers. *Frontiers in Plant Science*, **2021**, 12, 687826	6.2	3
67	Morpho-Physiological and Transcriptome Changes in Tomato Anthers of Different Developmental Stages under Drought Stress. *Cells*, **2021**, 10,	7.9	3
66	Early transcriptional response of terpenoid metabolism to Colletotrichum gloeosporioides in a resistant wild strawberry Fragaria nilgerrensis. *Phytochemistry*, **2021**, 181, 112590	4	5
65	The Arabidopsis SMALL AUXIN UP RNA32 Protein Regulates ABA-Mediated Responses to Drought Stress. *Frontiers in Plant Science*, **2021**, 12, 625493	6.2	18
64	First Report of Colletotrichum gloeosporioides Causing Anthracnose on Pepper in Shaanxi Province, China. *Plant Disease*, **2021**,	1.5	1
63	Comprehensive transcriptome-based characterization of differentially expressed genes involved in carotenoid biosynthesis of different ripening stages of Capsicum. *Scientia Horticulturae*, **2021**, 288, 110311	4.1	3
62	Participates in the Defense Response of Pepper to through Regulating the Expression of Defense-Related Genes. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
61	Assessing the functional role of color-related CaMYB gene under cold stress using virus-induced gene silencing in the fruit of pepper (Capsicum annuum L.). *Scientia Horticulturae*, **2020**, 272, 109504	4.1	5

60	Identification of Pepper Gene in Defense Response Against Infection. *Frontiers in Plant Science*, **2020**, 11, 183	6.2	4
59	The Gene of L. Confers Resistance Against Heat Stress and Infection of. *Frontiers in Plant Science*, **2020**, 11, 219	6.2	11
58	Transcription Factor Negatively Regulates Salt Stress Tolerance in Pepper (L.). *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
57	Biochar Integration with Legume Crops in Summer Gape Synergizes Nitrogen Use Efficiency and Enhance Maize Yield. *Agronomy*, **2020**, 10, 58	3.6	11
56	Melatonin Mitigates the Infection of via Modulation of the Chitinase Gene and Antioxidant Activity in L. *Antioxidants*, **2020**, 10,	7.1	8
55	A novel gene, , negatively regulates fruit carotenoid content under cold stress in. *Food and Nutrition Research*, **2020**, 64,	3.1	3
54	Chitinase Gene Positively Regulates Hypersensitive and Defense Responses of Pepper to Infection. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
53	Improves Plant Thermotolerance via Regulating the Expression of Stress- and Antioxidant-Related Genes. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
52	The CBL-CIPK Pathway in Plant Response to Stress Signals. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	28
51	Mechanisms Regulating the Dynamics of Photosynthesis Under Abiotic Stresses. *Frontiers in Plant Science*, **2020**, 11, 615942	6.2	22
50	Contribution of CaBPM4, a BTB Domain Containing Gene, to the Response of Pepper to Phytophthora capsici Infection and Abiotic Stresses. *Agronomy*, **2019**, 9, 417	3.6	4
49	Knockdown of the chitin-binding protein family gene CaChiIV1 increased sensitivity to Phytophthora capsici and drought stress in pepper plants. *Molecular Genetics and Genomics*, **2019**, 294, 1311-1326	3.1	10
48	Modified expression of a heat shock protein gene, CaHSP22.0, results in high sensitivity to heat and salt stress in pepper (Capsicum annuum L.). *Scientia Horticulturae*, **2019**, 249, 364-373	4.1	8
47	CaHSP16.4, a small heat shock protein gene in pepper, is involved in heat and drought tolerance. *Protoplasma*, **2019**, 256, 39-51	3.4	32
46	Leaf-color mutation induced by ethyl methane sulfonate and genetic and physio-biochemical characterization of leaf-color mutants in pepper (Capsicum annuum L.). *Scientia Horticulturae*, **2019**, 257, 108709	4.1	1
45	The Regulates Dual Functions in Pepper: Plant Cell Death and Resistance to. *Genes*, **2019**, 10,	4.2	10
44	A small heat shock protein CaHsp25.9 positively regulates heat, salt, and drought stress tolerance in pepper (Capsicum annuum L.). *Plant Physiology and Biochemistry*, **2019**, 142, 151-162	5.4	36
43	Knockdown of CaHSP60-6 confers enhanced sensitivity to heat stress in pepper (Capsicum annuum L.). *Planta*, **2019**, 250, 2127-2145	4.7	19

42	Identification of CBL and CIPK gene families and functional characterization of CaCIPK1 under Phytophthora capsici in pepper (Capsicum annuum L.). *BMC Genomics*, **2019**, 20, 775	4.5	29
41	The Protective Role of 28-Homobrassinolide and in Cucumber to Withstand Saline Stress. *Plants*, **2019**, 9,	4.5	4
40	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. *Journal of Plant Physiology*, **2019**, 234-235, 117-132	3.6	14
39	Heat Shock Proteins: Dynamic Biomolecules to Counter Plant Biotic and Abiotic Stresses. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	104
38	CaMYC, A Novel Transcription Factor, Regulates Anthocyanin Biosynthesis in Color-leaved Pepper (Capsicum annuum L.). *Journal of Plant Growth Regulation*, **2019**, 38, 574-585	4.7	6
37	Genome-wide analysis of dirigent gene family in pepper (Capsicum annuum L.) and characterization of CaDIR7 in biotic and abiotic stresses. *Scientific Reports*, **2018**, 8, 5500	4.9	27
36	Genome-wide identification of the AP2/ERF transcription factor family in pepper (Capsicum annuum L.). *Genome*, **2018**, 61, 663-674	2.4	36
35	Classification and Genome-Wide Analysis of Chitin-Binding Proteins Gene Family in Pepper (Capsicum annuum L.) and Transcriptional Regulation to Phytophthora capsici, Abiotic Stresses and Hormonal Applications. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	23
34	Comparative in Silico Analysis of Ferric Reduction Oxidase (FRO) Genes Expression Patterns in Response to Abiotic Stresses, Metal and Hormone Applications. *Molecules*, **2018**, 23,	4.8	10
33	A Novel Transcription Factor Gene Negatively Regulates the Defense Response against in Pepper (L.). *International Journal of Molecular Sciences*, **2018**, 20,	6.3	15
32	Variation in leaf color and combine effect of pigments on physiology and resistance to whitefly of pepper (Capsicum annuum L.). *Scientia Horticulturae*, **2018**, 229, 215-225	4.1	6
31	CanTF, a Novel Transcription Factor in Pepper, Is Involved in Resistance to Phytophthora capsici as well as Abiotic Stresses. *Plant Molecular Biology Reporter*, **2018**, 36, 776-789	1.7	3
30	Melatonin and Its Effects on Plant Systems. *Molecules*, **2018**, 23,	4.8	86
29	The combination of arbuscular mycorrhizal fungi inoculation () and 28-homobrassinolide spraying intervals improves growth by enhancing photosynthesis, nutrient absorption, and antioxidant system in cucumber (L.) under salinity. *Ecology and Evolution*, **2018**, 8, 5724-5740	2.8	22
28	Analysis of tandem repeat units of the promoter of capsanthin/capsorubin synthase () gene in pepper fruit. *Physiology and Molecular Biology of Plants*, **2017**, 23, 685-691	2.8	4
27	Genome-wide analysis of the Hsp70 family genes in pepper (Capsicum annuum L.) and functional identification of CaHsp70-2 involvement in heat stress. *Plant Science*, **2016**, 252, 246-256	5.3	45
26	Involvement of a universal amino acid synthesis impediment in cytoplasmic male sterility in pepper. *Scientific Reports*, **2016**, 6, 23357	4.9	20
25	Genome-Wide Identification, Expression Diversication of Dehydrin Gene Family and Characterization of CaDHN3 in Pepper (Capsicum annuum L.). *PLoS ONE*, **2016**, 11, e0161073	3.7	30

24	The Plant Heat Stress Transcription Factors (HSFs): Structure, Regulation, and Function in Response to Abiotic Stresses. *Frontiers in Plant Science*, **2016**, 7, 114	6.2	282
23	Genome-Wide Identification and Analysis of the SBP-Box Family Genes under Phytophthora capsici Stress in Pepper (Capsicum annuum L.). *Frontiers in Plant Science*, **2016**, 7, 504	6.2	34
22	Genome-wide analysis, expression profile of heat shock factor gene family (CaHsfs) and characterisation of CaHsfA2 in pepper (Capsicum annuum L.). *BMC Plant Biology*, **2015**, 15, 151	5.3	60
21	Cloning and expression analysis of CaPIP1-1 gene in pepper (Capsicum annuum L.). *Gene*, **2015**, 563, 87-93	3.8	11
20	Silencing of dehydrin CaDHN1 diminishes tolerance to multiple abiotic stresses in Capsicum annuum L. *Plant Cell Reports*, **2015**, 34, 2189-200	5.1	24
19	Cloning and characterization of the pepper CaPAO gene for defense responses to salt-induced leaf senescence. *BMC Biotechnology*, **2015**, 15, 100	3.5	8
18	VIGS approach reveals the modulation of anthocyanin biosynthetic genes by CaMYB in chili pepper leaves. *Frontiers in Plant Science*, **2015**, 6, 500	6.2	18
17	Characterization and expression profile of CaNAC2 pepper gene. *Frontiers in Plant Science*, **2015**, 6, 755	6.2	33
16	Genome-wide analysis of the CaHsp20 gene family in pepper: comprehensive sequence and expression profile analysis under heat stress. *Frontiers in Plant Science*, **2015**, 6, 806	6.2	58
15	A New Ethylene-Responsive Factor CaPTI1 Gene of Pepper (Capsicum annuum L.) Involved in the Regulation of Defense Response to Phytophthora capsici. *Frontiers in Plant Science*, **2015**, 6, 1217	6.2	31
14	A CMS-Related Gene, atp6-2, Causes Increased ATP Hydrolysis Activity of the Mitochondrial F1Fo-ATP Synthase and Induces Male Sterility in Pepper (Capsicum annuum L.). *Plant Molecular Biology Reporter*, **2014**, 32, 888-899	1.7	12
13	Cloning and characterisation of a pepper aquaporin, CaAQP, which reduces chilling stress in transgenic tobacco plants. *Plant Cell, Tissue and Organ Culture*, **2014**, 118, 431-444	2.7	16
12	Reduced tolerance to abiotic stress in transgenic Arabidopsis overexpressing a Capsicum annuum multiprotein bridging factor 1. *BMC Plant Biology*, **2014**, 14, 138	5.3	28
11	Silencing of the CaCP gene delays salt- and osmotic-induced leaf senescence in Capsicum annuum L. *International Journal of Molecular Sciences*, **2014**, 15, 8316-34	6.3	12
10	Overexpression of the CaTIP1-1 pepper gene in tobacco enhances resistance to osmotic stresses. *International Journal of Molecular Sciences*, **2014**, 15, 20101-16	6.3	9
9	A novel F-box protein CaF-box is involved in responses to plant hormones and abiotic stress in pepper (Capsicum annuum L.). *International Journal of Molecular Sciences*, **2014**, 15, 2413-30	6.3	33
8	Characterization of CaHsp70-1, a pepper heat-shock protein gene in response to heat stress and some regulation exogenous substances in Capsicum annuum L. *International Journal of Molecular Sciences*, **2014**, 15, 19741-59	6.3	44
7	Development of a SCAR marker for early identification of S-cytoplasm based on mitochondrial SRAP analysis in pepper (Capsicum annuum L.). *Molecular Breeding*, **2014**, 33, 679-690	3.4	21

6	Effects of drought stress on capsanthin during fruit development and ripening in pepper (Capsicum annuum L.). *Agricultural Water Management*, **2014**, 137, 46-51	5.9	15
5	Defence responses of pepper (Capsicum annuum L.) infected with incompatible and compatible strains of Phytophthora capsici. *European Journal of Plant Pathology*, **2013**, 136, 625-638	2.1	32
4	Characteristic of the pepper CaRGA2 gene in defense responses against Phytophthora capsici Leonian. *International Journal of Molecular Sciences*, **2013**, 14, 8985-9004	6.3	31
3	A Novel Peroxidase CanPOD Gene of Pepper Is Involved in Defense Responses to Phytophtora capsici Infection as well as Abiotic Stress Tolerance. *International Journal of Molecular Sciences*, **2013**, 14, 3158-77	6.3	66
2	A further analysis of the relationship between yellow ripe-fruit color and the capsanthin-capsorubin synthase gene in pepper (Capsicum sp.) indicated a new mutant variant in C. annuum and a tandem repeat structure in promoter region. *PLoS ONE*, **2013**, 8, e61996	3.7	29
1	Suppression Subtractive Hybridization Analysis of Genes Regulated by Application of Exogenous Abscisic Acid in Pepper Plant (Capsicum annuum L.) Leaves under Chilling Stress. *PLoS ONE*, **2013**, 8, e66667	3.7	33