gnes Gall

List of Publications by Citations

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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.

22 papers	785 citations	14 h-index	23 g-index
23 ext. papers	987 ext. citations	4.3 avg, IF	3.76 L-index

#	Paper	IF	Citations
22	Plant glutathione peroxidases: emerging role of the antioxidant enzymes in plant development and stress responses. *Journal of Plant Physiology*, **2015**, 176, 192-201	3.6	194
21	Glutathione transferase supergene family in tomato: Salt stress-regulated expression of representative genes from distinct GST classes in plants primed with salicylic acid. *Plant Physiology and Biochemistry*, **2014**, 78, 15-26	5.4	99
20	Comparison of the Drought Stress Responses of Tolerant and Sensitive Wheat Cultivars During Grain Filling: Changes in Flag Leaf Photosynthetic Activity, ABA Levels, and Grain Yield. *Journal of Plant Growth Regulation*, **2009**, 28, 167-176	4.7	78
19	Glutathione transferase activity and expression patterns during grain filling in flag leaves of wheat genotypes differing in drought tolerance: Response to water deficit. *Journal of Plant Physiology*, **2009**, 166, 1878-91	3.6	74
18	Different peroxidase activities and expression of abiotic stress-related peroxidases in apical root segments of wheat genotypes with different drought stress tolerance under osmotic stress. *Plant Physiology and Biochemistry*, **2012**, 52, 119-29	5.4	65
17	Hardening with salicylic acid induces concentration-dependent changes in abscisic acid biosynthesis of tomato under salt stress. *Journal of Plant Physiology*, **2015**, 183, 54-63	3.6	49
16	Isohydric and anisohydric strategies of wheat genotypes under osmotic stress: biosynthesis and function of ABA in stress responses. *Journal of Plant Physiology*, **2013**, 170, 1389-99	3.6	44
15	Plant Glutathione Transferases and Light. *Frontiers in Plant Science*, **2018**, 9, 1944	6.2	30
14	Exogenously applied salicylic acid maintains redox homeostasis in salt-stressed Arabidopsis gr1 mutants expressing cytosolic roGFP1. *Plant Growth Regulation*, **2018**, 86, 181-194	3.2	28
13	Physiological and molecular responses to heavy metal stresses suggest different detoxification mechanism of Populus deltoides and P. x canadensis. *Journal of Plant Physiology*, **2016**, 201, 62-70	3.6	25
12	Relationship between osmotic stress-induced abscisic acid accumulation, biomass production and plant growth in drought-tolerant and -sensitive wheat cultivars. *Acta Physiologiae Plantarum*, **2010**, 32, 719-727	2.6	19
11	Comprehensive analysis of antioxidant mechanisms in Arabidopsis glutathione peroxidase-like mutants under salt- and osmotic stress reveals organ-specific significance of the AtGPXL5 activities. *Environmental and Experimental Botany*, **2018**, 150, 127-140	5.9	18
10	The Arabidopsis glutathione transferases, AtGSTF8 and AtGSTU19 are involved in the maintenance of root redox homeostasis affecting meristem size and salt stress sensitivity. *Plant Science*, **2019**, 283, 366-374	5.3	14
9	The role of Arabidopsis glutathione transferase F9 gene under oxidative stress in seedlings. *Acta Biologica Hungarica*, **2015**, 66, 406-18		14
8	Overexpression of the Arabidopsis glutathione peroxidase-like 5 gene (AtGPXL5) resulted in altered plant development and redox status. *Environmental and Experimental Botany*, **2019**, 167, 103849	5.9	8
7	Compensation of Mutation in () Genes under Control or Salt Stress Conditions. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
6	Pest and disease management by red light. *Plant, Cell and Environment*, **2021**, 44, 3197-3210	8.4	6

List of Publications

5	Diurnal changes in tomato glutathione transferase activity and expression. *Acta Biologica Hungarica*, **2018**, 69, 505-509		5
4	Biochemical response of hybrid black poplar tissue culture (Populus□canadensis) on water stress. *Journal of Plant Research*, **2017**, 130, 559-570	2.6	3
3	Genome-wide identification of the glutathione transferase superfamily in the model organism Brachypodium distachyon. *Functional Plant Biology*, **2019**, 46, 1049-1062	2.7	3
2	Time-Dependent Effects of Bentazon Application on the Key Antioxidant Enzymes of Soybean and Common Ragweed. *Sustainability*, **2020**, 12, 3872	3.6	3
1	Crosstalk between the redox signalling and the detoxification: GSTs under redox control?. *Plant Physiology and Biochemistry*, **2021**, 169, 149-159	5.4	0