Krisztina Bela

List of Publications by Citations

19 papers	522 citations	10 h-index	20 g-index
20 ext. papers	697 ext. citations	5.1 avg, IF	3.54 L-index

#	Paper	IF	Citations
19	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
18	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
17	Glutathione peroxidase-like enzymes cover five distinct cell compartments and membrane surfaces in Arabidopsis thaliana. *Plant, Cell and Environment*, **2017**, 40, 1281-1295	8.4	44
16	Exogenous salicylic acid-triggered changes in the glutathione transferases and peroxidases are key factors in the successful salt stress acclimation of Arabidopsis thaliana. *Functional Plant Biology*, **2015**, 42, 1129-1140	2.7	32
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	Prolonged dark period modulates the oxidative burst and enzymatic antioxidant systems in the leaves of salicylic acid-treated tomato. *Journal of Plant Physiology*, **2017**, 213, 216-226	3.6	18
12	Comprehensive analysis of antioxidant mechanisms in Arabidopsis glutathione peroxidase-like mutants under salt- and osmotic stress reveals organ-specific significance of the AtGPXL8 activities. *Environmental and Experimental Botany*, **2018**, 150, 127-140	5.9	18
11	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
10	The role of Arabidopsis glutathione transferase F9 gene under oxidative stress in seedlings. *Acta Biologica Hungarica*, **2015**, 66, 406-18		14
9	Glutathione-Related Enzyme System: Glutathione Reductase (GR), Glutathione Transferases (GSTs) and Glutathione Peroxidases (GPXs) **2016**, 137-158		8
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	Diurnal changes in tomato glutathione transferase activity and expression. *Acta Biologica Hungarica* , **2018**, 69, 505-509		5
5	Plant Glutathione Peroxidases: Antioxidant Enzymes in Plant Stress Responses and Tolerance **2017**, 113-126		3
4	Crosstalk between the Arabidopsis Glutathione Peroxidase-Like 5 Isoenzyme (AtGPXL5) and Ethylene. *International Journal of Molecular Sciences*, **2022**, 23, 5749	6.3	1
3	Crosstalk between the redox signalling and the detoxification: GSTs under redox control?. *Plant Physiology and Biochemistry*, **2021**, 169, 149-159	5.4	0

List of Publications

2 Plant Glutathione Peroxidases: Structural and Functional Characterization, Their Roles in Plant Development **2017**, 99-111

1 Glutathione Is a Key Component in Abiotic Stress Responses **2020**, 49-68