JolÃ¡n CsiszÃ¡r

List of Publications by Year
in descending order

35 papers	2,162 citations	394421 19 h-index	395702 33 g-index
35 all docs	35 docs citations	35 times ranked	2929 citing authors

#	Article	IF	Citations
1	Duplicated <i>P5CS</i> genes of Arabidopsis play distinct roles in stress regulation and developmental control of proline biosynthesis. Plant Journal, 2008, 53, 11-28.	5.7	642
2	Plant glutathione peroxidases: Emerging role of the antioxidant enzymes in plant development and stress responses. Journal of Plant Physiology, 2015, 176, 192-201.	3.5	284
3	Salicylic acid improves acclimation to salt stress by stimulating abscisic aldehyde oxidase activity and abscisic acid accumulation, and increases Na+ content in leaves without toxicity symptoms in Solanum lycopersicum L.. Journal of Plant Physiology, 2009, 166, 914-925.	3.5	167
4	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.	5.8	159
5	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.	5.1	100
6	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, 1878-1891.	3.5	87
7	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, 119-129.	5.8	87
8	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.	3.5	64
9	Plant Glutathione Transferases and Light. Frontiers in Plant Science, 2018, 9, 1944.	3.6	63
10	Phenotyping shows improved physiological traits and seed yield of transgenic wheat plants expressing the alfalfa aldose reductase under permanent drought stress. Acta Physiologiae Plantarum, 2014, 36, 663-673.	2.1	61
11	Isohydric and anisohydric strategies of wheat genotypes under osmotic stress: Biosynthesis and function of ABA in stress responses. Journal of Plant Physiology, 2013, 170, 1389-1399.	3.5	58
12	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.	2.1	48
13	Exogenously applied salicylic acid maintains redox homeostasis in salt-stressed Arabidopsis gr1 mutants expressing cytosolic roGFP1. Plant Growth Regulation, 2018, 86, 181-194.	3.4	40
14	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.	3.5	35
15	Auxin autotrophic tobacco callus tissues resist oxidative stress: the importance of glutathione S-transferase and glutathione peroxidase activities in auxin heterotrophic and autotrophic calli. Journal of Plant Physiology, 2004, 161, 691-699.	3.5	30
16	Comprehensive analysis of antioxidant mechanisms in Arabidopsis glutathione peroxidase-like mutants under salt- and osmotic stress reveals organ-specific significance of the AtGPXLâ€™s activities. Environmental and Experimental Botany, 2018, 150, 127-140.	4.2	30
17	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.	3.6	25
18	The role of Arabidopsis glutathione transferase F9 gene under oxidative stress in seedlings. Acta Biologica Hungarica, 2015, 66, 406-418.	0.7	21

#	Article	IF	Citations
19	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.	2.1	20
20	The Alleviation of the Adverse Effects of Salt Stress in the Tomato Plant by Salicylic Acid Shows A Time- and Organ-Specific Antioxidant Response. Acta Biologica Cracoviensia Series Botanica, 2015, 57, 21-30.	0.5	20
21	Compensation of Mutation in Arabidopsis glutathione transferase (AtGSTU) Genes under Control or Salt Stress Conditions. International Journal of Molecular Sciences, 2020, 21, 2349.	4.1	17
22	Changes in chlorophyll fluorescence parameters and oxidative stress responses of bush bean genotypes for selecting contrasting acclimation strategies under water stress. Acta Biologica Hungarica, 2008, 59, 335-345.	0.7	15
23	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.	4.2	15
24	Title is missing!. Plant Growth Regulation, 2003, 40, 121-128.	3.4	14
25	Editorial: Plant Glutathione Transferases: Diverse, Multi-Tasking Enzymes With Yet-to-Be Discovered Functions. Frontiers in Plant Science, 2019, 10, 1304.	3.6	11
26	Diurnal changes in tomato glutathione transferase activity and expression. Acta Biologica Hungarica, 2018, 69, 505-509.	0.7	9
27	Crosstalk between the redox signalling and the detoxification: GSTs under redox control?. Plant Physiology and Biochemistry, 2021, 169, 149-159.	5.8	9
28	Morphological, physiological and biochemical aspects of salt tolerance of halophyte Petrosimonia triandra grown in natural habitat. Physiology and Molecular Biology of Plants, 2019, 25, 1335-1347.	3.1	6
29	Genome-wide identification of the glutathione transferase superfamily in the model organism Brachypodium distachyon. Functional Plant Biology, 2019, 46, 1049.	2.1	6
30	Control of the glutathione S-transferase andmas1â€²promoter-driven GUS activity in auxin heterotrophic and autotrophic tobacco calli by exogenous 2,4-d-induced ethylene. Physiologia Plantarum, 2001, 113, 100-107.	5.2	5
31	Plant Glutathione Peroxidases: Antioxidant Enzymes in Plant Stress Responses and Tolerance. , 2017, , 113-126.		5
32	Crosstalk between the Arabidopsis Glutathione Peroxidase-Like 5 Isoenzyme (AtGPXL5) and Ethylene. International Journal of Molecular Sciences, 2022, 23, 5749.	4.1	4
33	Modulation of Cu2+accumulation by (aminoethoxyvinyl)glycine and methylglyoxalbis(guanylhydrazone), the inhibitors of stress ethylene and polyamine synthesis in wheat genotypes. Cereal Research Communications, 2006, 34, 989-996.	1.6	3
34	Systemic response to Fusarium graminearum and culmorum inoculations: changes in detoxification of flag leaves in wheat. Cereal Research Communications, 2022, 50, 1055-1063.	1.6	2
35	Plant Glutathione Peroxidases: Structural and Functional Characterization, Their Roles in Plant Development. , 2017, , 99-111.		0