

# Agnes GallÃ©

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,169  
citations

567247

15  
h-index

642715

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1737  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant glutathione peroxidases: Emerging role of the antioxidant enzymes in plant development and stress responses. <i>Journal of Plant Physiology</i> , 2015, 176, 192-201.	3.5	284
2	Glutathione transferase supergene family in tomato: Salt stress-regulated expression of representative genes from distinct GST classes in plants primed with salicylic acid. <i>Plant Physiology and Biochemistry</i> , 2014, 78, 15-26.	5.8	159
3	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. <i>Journal of Plant Growth Regulation</i> , 2009, 28, 167-176.	5.1	100
4	Glutathione transferase activity and expression patterns during grain filling in flag leaves of wheat genotypes differing in drought tolerance: Response to water deficit. <i>Journal of Plant Physiology</i> , 2009, 166, 1878-1891.	3.5	87
5	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. <i>Plant Physiology and Biochemistry</i> , 2012, 52, 119-129.	5.8	87
6	Hardening with salicylic acid induces concentration-dependent changes in abscisic acid biosynthesis of tomato under salt stress. <i>Journal of Plant Physiology</i> , 2015, 183, 54-63.	3.5	64
7	Plant Glutathione Transferases and Light. <i>Frontiers in Plant Science</i> , 2018, 9, 1944.	3.6	63
8	Isohydric and anisohydric strategies of wheat genotypes under osmotic stress: Biosynthesis and function of ABA in stress responses. <i>Journal of Plant Physiology</i> , 2013, 170, 1389-1399.	3.5	58
9	Exogenously applied salicylic acid maintains redox homeostasis in salt-stressed <i>Arabidopsis</i> gr1 mutants expressing cytosolic roGFP1. <i>Plant Growth Regulation</i> , 2018, 86, 181-194.	3.4	40
10	Physiological and molecular responses to heavy metal stresses suggest different detoxification mechanism of <i>Populus deltoides</i> and <i>P. x canadensis</i> . <i>Journal of Plant Physiology</i> , 2016, 201, 62-70.	3.5	35
11	Comprehensive analysis of antioxidant mechanisms in <i>Arabidopsis</i> glutathione peroxidase-like mutants under salt- and osmotic stress reveals organ-specific significance of the AtGPXLs activities. <i>Environmental and Experimental Botany</i> , 2018, 150, 127-140.	4.2	30
12	The <i>Arabidopsis</i> glutathione transferases, AtGSTF8 and AtGSTU19 are involved in the maintenance of root redox homeostasis affecting meristem size and salt stress sensitivity. <i>Plant Science</i> , 2019, 283, 366-374.	3.6	25
13	Pest and disease management by red light. <i>Plant, Cell and Environment</i> , 2021, 44, 3197-3210.	5.7	23
14	The role of <i>Arabidopsis</i> glutathione transferase F9 gene under oxidative stress in seedlings. <i>Acta Biologica Hungarica</i> , 2015, 66, 406-418.	0.7	21
15	Relationship between osmotic stress-induced abscisic acid accumulation, biomass production and plant growth in drought-tolerant and -sensitive wheat cultivars. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 719-727.	2.1	20
16	Compensation of Mutation in <i>Arabidopsis</i> glutathione transferase (AtGSTU) Genes under Control or Salt Stress Conditions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2349.	4.1	17
17	Overexpression of the <i>Arabidopsis</i> glutathione peroxidase-like 5 gene (AtGPXL5) resulted in altered plant development and redox status. <i>Environmental and Experimental Botany</i> , 2019, 167, 103849.	4.2	15
18	Time-Dependent Effects of Bentazon Application on the Key Antioxidant Enzymes of Soybean and Common Ragweed. <i>Sustainability</i> , 2020, 12, 3872.	3.2	10

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19	Diurnal changes in tomato glutathione transferase activity and expression. <i>Acta Biologica Hungarica</i> , 2018, 69, 505-509.	0.7	9
20	Crosstalk between the redox signalling and the detoxification: GSTs under redox control?. <i>Plant Physiology and Biochemistry</i> , 2021, 169, 149-159.	5.8	9
21	Genome-wide identification of the glutathione transferase superfamily in the model organism <i>Brachypodium distachyon</i> . <i>Functional Plant Biology</i> , 2019, 46, 1049.	2.1	6
22	Biochemical response of hybrid black poplar tissue culture ( <i>Populus</i> — <i>Acanadensis</i> ) on water stress. <i>Journal of Plant Research</i> , 2017, 130, 559-570.	2.4	5
23	Systemic response to <i>Fusarium graminearum</i> and <i>culmorum</i> inoculations: changes in detoxification of flag leaves in wheat. <i>Cereal Research Communications</i> , 2022, 50, 1055-1063.	1.6	2