

# Marilia Gaspar

## List of Publications by Year in descending order

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23  
papers

925  
citations

623734

14  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1418  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elevated CO <sub>2</sub> increases photosynthesis, biomass and productivity, and modifies gene expression in sugarcane. <i>Plant, Cell and Environment</i> , 2008, 31, 1116-1127.	5.7	219
2	Diurnal Regulation of Water Transport and Aquaporin Gene Expression in Maize Roots: Contribution of PIP2 Proteins. <i>Plant and Cell Physiology</i> , 2003, 44, 1384-1395.	3.1	137
3	Novo método enzimático rápido e sensível de extração e dosagem de amido em materiais vegetais. <i>Hoehnea (revista)</i> , 2007, 34, 425-431.	0.2	122
4	Cloning and characterization of ZmPIP1-5b, an aquaporin transporting water and urea. <i>Plant Science</i> , 2003, 165, 21-31.	3.6	104
5	Suppression of a single <i>BAHD</i> gene in <i>Setaria viridis</i> causes large, stable decreases in cell wall feruloylation and increases biomass digestibility. <i>New Phytologist</i> , 2018, 218, 81-93.	7.3	91
6	Somaclonal-variation-induced aluminum-sensitive mutant from an aluminum-inbred maize tolerant line. <i>Plant Cell Reports</i> , 1997, 16, 686-691.	5.6	34
7	Genome-wide identification, characterization and expression profile analysis of expansins gene family in sugarcane ( <i>Saccharum spp.</i> ). <i>PLoS ONE</i> , 2018, 13, e0191081.	2.5	27
8	Detection of urease in the cell wall and membranes from leaf tissues of bromeliad species. <i>Physiologia Plantarum</i> , 2009, 136, 86-93.	5.2	23
9	<i>S</i> -nitroglutathione promotes cell wall remodelling, alters the transcriptional profile and induces root hair formation in the hairless root hair defective 6 ( <i>rhd6</i> ) mutant of <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2017, 213, 1771-1786.	7.3	23
10	Fructan and antioxidant metabolisms in plants of <i>Lolium perenne</i> under drought are modulated by exogenous nitric oxide. <i>Plant Physiology and Biochemistry</i> , 2019, 145, 205-215.	5.8	22
11	Endogenous hormone concentrations correlate with fructan metabolism throughout the phenological cycle in <i>Chrysolea obovata</i> . <i>Annals of Botany</i> , 2015, 115, 1163-1175.	2.9	21
12	Non-structural carbohydrates of immature seeds of <i>Caesalpinia echinata</i> (Leguminosae) are involved in the induction of desiccation tolerance. <i>Australian Journal of Botany</i> , 2012, 60, 42.	0.6	19
13	Ammonium intensifies CAM photosynthesis and counteracts drought effects by increasing malate transport and antioxidant capacity in <i>Guzmania monostachia</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 1993-2003.	4.8	17
14	Atmospheric CO <sub>2</sub> enrichment markedly increases photosynthesis and growth in a woody tropical bamboo from the Brazilian Atlantic Forest. <i>New Zealand Journal of Botany</i> , 2013, 51, 275-285.	1.1	16
15	In vitro culture and fructan production by <i>Vernonia herbacea</i> (Asteraceae). <i>Acta Physiologiae Plantarum</i> , 2014, 36, 2299-2307.	2.1	12
16	Involvement of aquaporins on nitrogen-acquisition strategies of juvenile and adult plants of an epiphytic tank-forming bromeliad. <i>Planta</i> , 2019, 250, 319-332.	3.2	9
17	Effects of different carbohydrate sources on fructan metabolism in plants of <i>Chrysolea obovata</i> grown in vitro. <i>Frontiers in Plant Science</i> , 2015, 6, 681.	3.6	6
18	Development, characterization and cross-amplification of microsatellite markers for <i>Chrysolea obovata</i> , an important Asteraceae from Brazilian Cerrado. <i>Journal of Genetics</i> , 2017, 96, 47-53.	0.7	6

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19	Short-term drought triggers defence mechanisms faster than ABA accumulation in the epiphytic bromeliad <i>Acanthostachys strobilacea</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 160, 62-72.	5.8	5
20	Juvenile plants of an epiphytic bromeliad exhibit rapid changes in carbohydrate content and antioxidant capacity to cope with water withholding. <i>Theoretical and Experimental Plant Physiology</i> , 2020, 32, 89-98.	2.4	4
21	Exogenous nitric oxide-induced germination associated with pinitol content in <i>Hymenaea courbaril</i> low vigour seeds. <i>Revista Brasileira De Botanica</i> , 2016, 39, 485-494.	1.3	3
22	Transient variations of water transfer induced by HgCl <sub>2</sub> in excised roots of young maize plants: new data on the inhibition process. <i>Functional Plant Biology</i> , 2001, 28, 1175.	2.1	2
23	<i>Chrysolina obovata</i> (Less.) Dematt., a species native of Brazilian Cerrado: genetic diversity and structure of natural populations and potential for inulin production. <i>Genetic Resources and Crop Evolution</i> , 0, , .	1.6	0