Adriana Grandis

List of Publications by Year in Descending Order

35 papers	594 citations	11 h-index	24 g-index
37 ext. papers	784 ext. citations	5.4 avg, IF	3.87 L-index

#	Paper	IF	Citations
35	Biochemical composition of the pericarp cell wall of popcorn inbred lines with different popping expansion.. *Current Research in Food Science*, **2022**, 5, 102-106	5.6	0
34	Duckweeds as Promising Food Feedstocks Globally. *Agronomy*, **2022**, 12, 796	3.6	1
33	Physical and chemical characterization of the 2019 "black rain" event in the Metropolitan Area of São Paulo, Brazil. *Atmospheric Environment*, **2021**, 248, 118229	5.3	3
32	Changes in leaf functional traits with leaf age: When do leaves decrease their photosynthetic capacity in Amazonian trees?. *Tree Physiology*, **2021**,	4.2	3
31	Xyloglucan processing machinery in Xanthomonas pathogens and its role in the transcriptional activation of virulence factors. *Nature Communications*, **2021**, 12, 4049	17.4	8
30	Herbivory and leaf traits of Amazonian tree species as affected by irradiance. *Plant Biology*, **2021**, 23, 229-240	3.7	0
29	Senna reticulata: a Viable Option for Bioenergy Production in the Amazonian Region. *Bioenergy Research*, **2021**, 14, 91-105	3.1	2
28	The Effect of Sugarcane Straw Aging in the Field on Cell Wall Composition. *Frontiers in Plant Science* , **2021**, 12, 652168	6.2	2
27	Inorganics in sugarcane bagasse and straw and their impacts for bioenergy and biorefining: A review. *Renewable and Sustainable Energy Reviews*, **2021**, 148, 111268	16.2	10
26	Thermal degradation of leaves from the Amazon rainforest litter considering non-structural, structural carbohydrates and lignin composition. *Bioresource Technology Reports*, **2020**, 11, 100490	4.1	1
25	Importance of Meta-analysis in Studies Involving Plant Responses to Climate Change in Brazil. *Lecture Notes in Computer Science*, **2020**, 221-234	0.9	0
24	Flavonoids from duckweeds: potential applications in the human diet.. *RSC Advances*, **2020**, 10, 44981-44988	3.7	8
23	High Saccharification, Low Lignin, and High Sustainability Potential Make Duckweeds Adequate as Bioenergy Feedstocks. *Bioenergy Research*, **2020**, 1	3.1	5
22	Differentiation of Tracheary Elements in Sugarcane Suspension Cells Involves Changes in Secondary Wall Deposition and Extensive Transcriptional Reprogramming. *Frontiers in Plant Science* , **2020**, 11, 617020	6.2	2
21	Lignin plays a key role in determining biomass recalcitrance in forage grasses. *Renewable Energy*, **2020**, 147, 2206-2217	8.1	23
20	Newly identified miRNAs may contribute to aerenchyma formation in sugarcane roots. *Plant Direct*, **2020**, 4, e00204	3.3	1
19	The control of endopolygalacturonase expression by the sugarcane RAV transcription factor during aerenchyma formation. *Journal of Experimental Botany*, **2019**, 70, 497-506	7	7

18	Cell wall hydrolases act in concert during aerenchyma development in sugarcane roots. *Annals of Botany*, **2019**, 124, 1067-1089	4.1	10
17	Amazon forest response to CO2 fertilization dependent on plant phosphorus acquisition. *Nature Geoscience*, **2019**, 12, 736-741	18.3	92
16	Disassembling the Glycomic Code of Sugarcane Cell Walls to Improve Second-Generation Bioethanol Production **2019**, 31-43		6
15	Isolated and combined effects of elevated CO and high temperature on the whole-plant biomass and the chemical composition of soybean seeds. *Food Chemistry*, **2019**, 275, 610-617	8.5	14
14	Roles of auxin and ethylene in aerenchyma formation in sugarcane roots. *Plant Signaling and Behavior*, **2018**, 13, e1422464	2.5	12
13	Correlation of Apiose Levels and Growth Rates in Duckweeds. *Frontiers in Chemistry*, **2018**, 6, 291	5	14
12	Diurnal variation in gas exchange and nonstructural carbohydrates throughout sugarcane development. *Functional Plant Biology*, **2018**, 45, 865-876	2.7	15
11	Cell wall changes during the formation of aerenchyma in sugarcane roots. *Annals of Botany*, **2017**, 120, 693-708	4.1	17
10	Eucalyptus Cell Wall Architecture: Clues for Lignocellulosic Biomass Deconstruction. *Bioenergy Research*, **2016**, 9, 969-979	3.1	9
9	Apoplastic and intracellular plant sugars regulate developmental transitions in witches' broom disease of cacao. *Journal of Experimental Botany*, **2015**, 66, 1325-37	7	17
8	Responses of Senna reticulata, a legume tree from the Amazonian floodplains, to elevated atmospheric CO2 concentration and waterlogging. *Trees - Structure and Function*, **2014**, 28, 1021-1034	2.6	17
7	Using Natural Plant Cell Wall Degradation Mechanisms to Improve Second Generation Bioethanol **2014**, 211-230		11
6	Sugarcane as a Bioenergy Source: History, Performance, and Perspectives for Second-Generation Bioethanol. *Bioenergy Research*, **2014**, 7, 24-35	3.1	74
5	Impacts of climate changes on crop physiology and food quality. *Food Research International*, **2010**, 43, 1814-1823	7	197
4	Respostas fisiol□gicas de plantas amaz□nicas de regi□es alagadas □ mudan□s clim□ticas globais. *Revista Brasileira De Botanica*, **2010**, 33, 1-12	1.2	7
3	NDP-Sugar Pathways Overview of Spirodela polyrhiza and Their Relevance for Bioenergy and Biorefinery. *Bioenergy Research*,1	3.1	
2	Fine roots stimulate nutrient release during early stages of leaf litter decomposition in a Central Amazon rainforest. *Plant and Soil*,	4.2	2
1	Holocellulase production by filamentous fungi: potential in the hydrolysis of energy cane and other sugarcane varieties. *Biomass Conversion and Biorefinery*,1	2.3	4