

# Carlos Alberto Martinez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2512892/publications.pdf>

Version: 2024-02-01

66  
papers

2,977  
citations

304368

22  
h-index

168136

53  
g-index

70  
all docs

70  
docs citations

70  
times ranked

3386  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photosynthesis and activity of superoxide dismutase, peroxidase and glutathione reductase in cotton under salt stress. <i>Environmental and Experimental Botany</i> , 2003, 49, 69-76.	2.0	863
2	Enhanced Accumulation of BiP in Transgenic Plants Confers Tolerance to Water Stress. <i>Plant Physiology</i> , 2001, 126, 1042-1054.	2.3	220
3	Gas exchange and chlorophyll fluorescence in four citrus rootstocks under aluminium stress. <i>Journal of Plant Physiology</i> , 2000, 157, 513-520.	1.6	190
4	CONTRIBUTION OF PROLINE AND INORGANIC SOLUTES TO OSMOTIC ADJUSTMENT IN COTTON UNDER SALT STRESS. <i>Journal of Plant Nutrition</i> , 2001, 24, 599-612.	0.9	178
5	Differential responses of superoxide dismutase in freezing resistant <i>Solanum curtilobum</i> and freezing sensitive <i>Solanum tuberosum</i> subjected to oxidative and water stress. <i>Plant Science</i> , 2001, 160, 505-515.	1.7	171
6	The effects of salt stress on growth, nitrate reduction and proline and glycinebetaine accumulation in <i>Prosopis alba</i> . <i>Brazilian Journal of Plant Physiology</i> , 2004, 16, 39-46.	0.5	142
7	In vitro salt tolerance and proline accumulation in Andean potato ( <i>Solanum</i> spp.) differing in frost resistance. <i>Plant Science</i> , 1996, 116, 177-184.	1.7	83
8	Differential responses of antioxidant enzymes in pioneer and late-successional tropical tree species grown under sun and shade conditions. <i>Environmental and Experimental Botany</i> , 2011, 70, 20-28.	2.0	77
9	Photosynthesis and Water Use Efficiency in Twenty Tropical Tree Species of Differing Succession Status in a Brazilian Reforestation. <i>Photosynthetica</i> , 2004, 42, 351-356.	0.9	64
10	Warming and water deficit impact leaf photosynthesis and decrease forage quality and digestibility of a C4 tropical grass. <i>Physiologia Plantarum</i> , 2019, 165, 383-402.	2.6	64
11	Short-term warming and water stress affect <i>Panicum maximum</i> Jacq. stoichiometric homeostasis and biomass production. <i>Science of the Total Environment</i> , 2019, 681, 267-274.	3.9	59
12	Moderate warming increases PSII performance, antioxidant scavenging systems and biomass production in <i>Stylosanthes capitata</i> Vogel. <i>Environmental and Experimental Botany</i> , 2014, 102, 58-67.	2.0	56
13	Salinity tolerance in <i>Schinopsis quebracho colorado</i> : Seed germination, growth, ion relations and metabolic responses. <i>Journal of Arid Environments</i> , 2008, 72, 1785-1792.	1.2	54
14	Increasing atmospheric CO <sub>2</sub> and canopy temperature induces anatomical and physiological changes in leaves of the C4 forage species <i>Panicum maximum</i> . <i>PLoS ONE</i> , 2019, 14, e0212506.	1.1	46
15	Fungal communities differentially respond to warming and drought in tropical grassland soil. <i>Molecular Ecology</i> , 2020, 29, 1550-1559.	2.0	41
16	Stomatal Development and Conductance of a Tropical Forage Legume Are Regulated by Elevated [CO <sub>2</sub> ] Under Moderate Warming. <i>Frontiers in Plant Science</i> , 2019, 10, 609.	1.7	38
17	Effects of fluoride emissions on two tropical grasses: <i>Chloris gayana</i> and <i>Panicum maximum</i> cv. Colonião. <i>Ecotoxicology and Environmental Safety</i> , 2007, 67, 247-253.	2.9	35
18	Stomatal control of transpiration in the canopy of a clonal. <i>Trees - Structure and Function</i> , 1999, 13, 152.	0.9	35

#	ARTICLE	IF	CITATIONS
19	An efficient and rapid DNA minipreparation procedure suitable for PCR/SSR and RAPD analyses in tropical forest tree species. <i>Brazilian Archives of Biology and Technology</i> , 2009, 52, 1217-1224.	0.5	28
20	Challenges of Biomass Utilization for Bioenergy in a Climate Change Scenario. <i>Biology</i> , 2021, 10, 1277.	1.3	27
21	Experimental Air Warming of a <i>Stylosanthes capitata</i> , Vogel Dominated Tropical Pasture Affects Soil Respiration and Nitrogen Dynamics. <i>Frontiers in Plant Science</i> , 2017, 8, 46.	1.7	26
22	Antioxidant and photoprotective defenses in response to gradual water stress under low and high irradiance in two Malvaceae tree species used for tropical forest restoration. <i>Trees - Structure and Function</i> , 2014, 28, 1705-1722.	0.9	25
23	Metabolite and transcript profiling of Guinea grass ( <i>Panicum maximum</i> Jacq) response to elevated [CO <sub>2</sub> ] and temperature. <i>Metabolomics</i> , 2019, 15, 51.	1.4	24
24	Microtuberization of Andean potato species ( <i>Solanum</i> spp.) as affected by salinity. <i>Scientia Horticulturae</i> , 2001, 89, 91-101.	1.7	23
25	Soil-nutrient availability modifies the response of young pioneer and late successional trees to elevated carbon dioxide in a Brazilian tropical environment. <i>Environmental and Experimental Botany</i> , 2012, 77, 53-62.	2.0	23
26	Traffic-related air pollution biomonitoring with <i>Tradescantia pallida</i> (Rose) Hunt. cv. <i>purpurea</i> Boom in Brazil. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 39.	1.3	22
27	Changes in soil water availability and air-temperature impact biomass allocation and C:N:P stoichiometry in different organs of <i>Stylosanthes capitata</i> Vogel. <i>Journal of Environmental Management</i> , 2021, 278, 111540.	3.8	22
28	Fotossíntese, reservas orgânicas e rebrota do capim-mombaça ( <i>Panicum maximum</i> Jacq.) sob diferentes intensidades de desfolha do perfilho principal. <i>Revista Brasileira De Zootecnia</i> , 2002, 31, 2165-2175.	0.3	22
29	Growth of citrus rootstocks under aluminium stress in hydroponics. <i>Scientia Agricola</i> , 2003, 60, 31-41.	0.6	19
30	Transferability and characterization of nine microsatellite markers for the tropical tree species <i>Tabebuia roseoalba</i> . <i>Molecular Ecology Resources</i> , 2009, 9, 434-437.	2.2	19
31	Leaf Dynamics of <i>Panicum maximum</i> under Future Climatic Changes. <i>PLoS ONE</i> , 2016, 11, e0149620.	1.1	18
32	Genetic characterization of 12 heterologous microsatellite markers for the giant tropical tree <i>Cariniana legalis</i> (Lecythidaceae). <i>Genetics and Molecular Biology</i> , 2010, 33, 131-134.	0.6	17
33	Genetic diversity assessment for <i>Eugenia uniflora</i> L., <i>E. pyriformis</i> Cambess., <i>E. brasiliensis</i> Lam. and <i>E. francavilleana</i> O. Berg neotropical tree species (Myrtaceae) with heterologous SSR markers. <i>Genetic Resources and Crop Evolution</i> , 2014, 61, 267-272.	0.8	17
34	How does leaf physiological acclimation impact forage production and quality of a warmed managed pasture of <i>Stylosanthes capitata</i> under different conditions of soil water availability?. <i>Science of the Total Environment</i> , 2021, 759, 143505.	3.9	17
35	Differential responses of C3 and CAM native Brazilian plant species to a SO <sub>2</sub> - and SPMFe-contaminated Restinga. <i>Environmental Science and Pollution Research</i> , 2015, 22, 14007-14017.	2.7	16
36	Impacts of warming and water deficit on antioxidant responses in <i>Panicum maximum</i> Jacq. <i>Physiologia Plantarum</i> , 2019, 165, 413-426.	2.6	16

#	ARTICLE	IF	CITATIONS
37	Warming and elevated CO <sub>2</sub> induces changes in the reproductive dynamics of a tropical plant species. <i>Science of the Total Environment</i> , 2021, 768, 144899.	3.9	15
38	Elevated [CO <sub>2</sub> ] and warming increase the macronutrient use efficiency and biomass of <i>Stylosanthes capitata</i> Vogel under field conditions. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 597-606.	1.7	14
39	Water stress and warming impact nutrient use efficiency of Mombasa grass ( <i>Megathyrsus</i> ) Tj ETQq1 1 0.784314.rgBT /Overlock 1	1.7	14
40	The Photosynthetic Response to Elevated CO <sub>2</sub> in High Altitude Potato Species ( <i>Solanum</i> ) Tj ETQq0 0 0.rgBT /Overlock 10 T	0.9	12
41	Warming Change Nutritional Status and Improve <i>Stylosanthes capitata</i> Vogel Growth Only Under Well-Watered Conditions. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1838-1847.	1.7	12
42	Elevated CO <sub>2</sub> and warming change the nutrient status and use efficiency of <i>Panicum maximum</i> Jacq. <i>PLoS ONE</i> , 2020, 15, e0223937.	1.1	12
43	A Support Tool for Air Pollution Health Risk Management in Emerging Countries: A Case in Brazil. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014, 20, 1406-1424.	1.7	11
44	Consumo de Água em plantios de eucalipto: parte 1 determina�o da condut�ncia estom�tica em tratamentos irrigado e n�o-irrigado. <i>Revista Arvore</i> , 2008, 32, 1-10.	0.5	11
45	Enzymatic Pretreatment with Laccases from <i>Lentinus sajor-caju</i> Induces Structural Modification in Lignin and Enhances the Digestibility of Tropical Forage Grass ( <i>Panicum maximum</i> ) Crown under Future Climate Conditions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9445.	1.8	10
46	Future warming will change the chemical composition and leaf blade structure of tropical C3 and C4 forage species depending on soil moisture levels. <i>Science of the Total Environment</i> , 2022, 821, 153342.	3.9	9
47	Genetic diversity and mating system of <i>Copaifera langsdorffii</i> (Leguminosae/Caesalpinioideae). <i>Genetics and Molecular Research</i> , 2013, 12, 569-580.	0.3	8
48	Global warming: Antioxidant responses to deal with drought and elevated temperature in <i>Stylosanthes capitata</i> , a forage legume. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 13-27.	1.7	8
49	Consumo de Água em plantios de eucalipto: parte 2 modelagem da resist�ncia estom�tica e estimativa da transpira�o em tratamentos irrigados e n�o-irrigados. <i>Revista Arvore</i> , 2008, 32, 11-18.	0.5	8
50	Diagnostic fingerprints ISSR/SSR for tropical leguminous species <i>Stylosanthes capitata</i> and <i>Stylosanthes macrocephala</i> . <i>Scientia Agricola</i> , 2020, 77, .	0.6	5
51	Warming and soil water availability affect plant�flower visitor interactions for <i>Stylosanthes capitata</i> , a tropical forage legume. <i>Science of the Total Environment</i> , 2022, 817, 152982.	3.9	5
52	Effect of different irradiance levels on anatomy and growth of two Malvaceae species during two seasons. <i>Revista Brasileira De Botanica</i> , 2020, 43, 257-269.	0.5	4
53	Elevated CO <sub>2</sub> and warming affect pollen development in a tropical legume forage species. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2021, 283, 151904.	0.6	4
54	Microsatellite markers for <i>Aspidosperma polyneuron</i> (Apocynaceae), an endangered tropical tree species. <i>American Journal of Botany</i> , 2011, 98, e300-e302.	0.8	3

#	ARTICLE	IF	CITATIONS
55	Perspectives on Exploring Denitrifying Fungi as a Model To Evaluate Nitrous Oxide Production and Reduce Emissions from Agricultural Soils. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12153-12154.	2.4	3
56	Effects of multiple climate change factors on exoenzyme activities and CO2 efflux in a tropical grassland. <i>Soil Biology and Biochemistry</i> , 2020, 148, 107877.	4.2	3
57	Plant diurnal cycle drives the variation in soil respiration in a C4-dominated tropical managed grassland exposed to high CO2 and warming. <i>Plant and Soil</i> , 2020, 456, 391-404.	1.8	2
58	Genetic diversity assessed in individuals of <i>Aspidosperma polyneuron</i> and <i>Cariniana estrellensis</i> used as seed donors in an forest gene bank. <i>BMC Proceedings</i> , 2011, 5, .	1.8	1
59	Photosynthetic responses of potato to Colorado potato beetle injury and differences in injury between adult males and females. <i>Entomologia Experimentalis Et Applicata</i> , 2015, 157, 181-187.	0.7	1
60	Morpho-physiological performance of <i>Mikania glomerata</i> Spreng. and <i>Mikania laevigata</i> Sch. Bip ex Baker plants under different light conditions. , 0, , .		1
61	Structural and compositional changes induced by hydrothermal and organosolv pretreatments impacts enzymatic hydrolysis of a tropical forage grass grown under future climate conditions. <i>Industrial Crops and Products</i> , 2021, 171, 113937.	2.5	1
62	Twenty four microsatellite markers for <i>Aspidosperma polyneuron</i> (Apocynaceae), an endangered tree species. <i>BMC Proceedings</i> , 2011, 5, .	1.8	0
63	Rising CO2 in the field does not offset warming or drought constraints on leaf growth of a C3 forage. <i>Experimental Agriculture</i> , 2020, 56, 265-279.	0.4	0
64	Physiological and anatomical responses of <i>Eucalyptus camaldulensis</i> leaves to glyphosate application. <i>Advances in Forestry Science</i> , 2021, 8, 1535-1543.	0.0	0
65	Are the interaction effects of warming and drought on nutritional status and biomass production in a tropical forage legume greater than their individual effects?. <i>Planta</i> , 2021, 254, 104.	1.6	0
66	Low soil nutrient availability does not decrease post-drought recovery of <i>Brachiaria Mavuno</i> . <i>Revista Brasileira De Botanica</i> , 2021, 44, 849-858.	0.5	0