

# Rafael de Souza Miranda

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,215  
citations

361413

20  
h-index

395702

33  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1410  
citing authors

#	ARTICLE	IF	CITATIONS
1	H <sub>2</sub> O <sub>2</sub> priming promotes salt tolerance in maize by protecting chloroplasts ultrastructure and primary metabolites modulation. <i>Plant Science</i> , 2021, 303, 110774.	3.6	26
2	Differential responses of dwarf cashew clones to salinity are associated to osmotic adjustment mechanisms and enzymatic antioxidative defense. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20180534.	0.8	3
3	H <sub>2</sub> O <sub>2</sub> priming induces proteomic responses to defense against salt stress in maize. <i>Plant Molecular Biology</i> , 2021, 106, 33-48.	3.9	9
4	Nitrate and Ammonium Nutrition Modulates the Photosynthetic Performance and Antioxidant Defense in Salt-Stressed Grass Species. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3016-3029.	3.4	4
5	Sodium uptake and transport regulation, and photosynthetic efficiency maintenance as the basis of differential salt tolerance in rice cultivars. <i>Environmental and Experimental Botany</i> , 2021, 192, 104654.	4.2	13
6	Salt-Acclimation Physiological Mechanisms at the Vegetative Stage of Cowpea Genotypes in Soils from a Semiarid Region. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3530-3543.	3.4	3
7	Ammonium nutrition modulates K <sup>+</sup> and N uptake, transport and accumulation during salt stress acclimation of sorghum plants. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 1991-2004.	2.6	10
8	Combined NaCl and DTT diminish harmful ER-stress effects in the sorghum seedlings CSF 20 variety. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 223-234.	5.8	7
9	New insights into molecular targets of salt tolerance in sorghum leaves elicited by ammonium nutrition. <i>Plant Physiology and Biochemistry</i> , 2020, 154, 723-734.	5.8	11
10	Metabolic changes associated with differential salt tolerance in sorghum genotypes. <i>Planta</i> , 2020, 252, 34.	3.2	28
11	The influence of dissolved oxygen around rice roots on salt tolerance during pre-tillering and tillering phases. <i>Environmental and Experimental Botany</i> , 2020, 178, 104169.	4.2	6
12	Transcriptome analysis of acerola fruit ripening: insights into ascorbate, ethylene, respiration, and softening metabolisms. <i>Plant Molecular Biology</i> , 2019, 101, 269-296.	3.9	27
13	Salicylic acid modulates primary and volatile metabolites to alleviate salt stress-induced photosynthesis impairment on medicinal plant <i>Egletes viscosa</i> . <i>Environmental and Experimental Botany</i> , 2019, 167, 103870.	4.2	46
14	Sulfur-induced salinity tolerance in lettuce is due to a better P and K uptake, lower Na/K ratio and an efficient antioxidative defense system. <i>Scientia Horticulturae</i> , 2019, 257, 108764.	3.6	16
15	Salt acclimation in sorghum plants by exogenous proline: physiological and biochemical changes and regulation of proline metabolism. <i>Plant Cell Reports</i> , 2019, 38, 403-416.	5.6	68
16	Silicon modulates the activity of antioxidant enzymes and nitrogen compounds in sunflower plants under salt stress. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 1237-1247.	2.6	27
17	Salt Tolerance Induced by Exogenous Proline in Maize Is Related to Low Oxidative Damage and Favorable Ionic Homeostasis. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 911-924.	5.1	60
18	Ethylene triggers salt tolerance in maize genotypes by modulating polyamine catabolism enzymes associated with H <sub>2</sub> O <sub>2</sub> production. <i>Environmental and Experimental Botany</i> , 2018, 145, 75-86.	4.2	66

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19	Nitrogen assimilation pathways and ionic homeostasis are crucial for photosynthetic apparatus efficiency in salt-tolerant sunflower genotypes. <i>Plant Growth Regulation</i> , 2018, 86, 375-388.	3.4	8
20	Lignin composition is related to xylem embolism resistance and leaf life span in trees in a tropical semiarid climate. <i>New Phytologist</i> , 2018, 219, 1252-1262.	7.3	35
21	Ion accumulation in young plants of the "green dwarf"™ coconut under water and salt stress. <i>Revista Ciencia Agronomica</i> , 2018, 49, .	0.3	5
22	Exogenous nitric oxide improves salt tolerance during establishment of <i>Jatropha curcas</i> seedlings by ameliorating oxidative damage and toxic ion accumulation. <i>Journal of Plant Physiology</i> , 2017, 212, 69-79.	3.5	81
23	Integrative Control Between Proton Pumps and SOS1 Antiporters in Roots is Crucial for Maintaining Low Na <sup>+</sup> Accumulation and Salt Tolerance in Ammonium-Supplied Sorghum bicolor. <i>Plant and Cell Physiology</i> , 2017, 58, 522-536.	3.1	56
24	Putative role of glutamine in the activation of CBL/CIPK signalling pathways during salt stress in sorghum. <i>Plant Signaling and Behavior</i> , 2017, 12, e1361075.	2.4	24
25	Optimized acid hydrolysis of the polysaccharides from the seaweed <i>Solieria filiformis</i> (Kützting) P.W. Gabrielson for bioethanol production. <i>Acta Scientiarum - Biological Sciences</i> , 2017, 39, 423.	0.3	4
26	Physicochemical Properties of Edible Seed Hemicelluloses. <i>Open Access Library Journal (oalib)</i> , 2017, 04, 1-14.	0.2	7
27	ACCUMULATION AND PARTITION OF Fe, Zn, Cu, Mn AND Na IN MACRO AND MICRONUTRIENT-DEFICIENT COWPEA PLANTS. <i>Journal of Advances in Agriculture</i> , 2017, 7, 1036-1043.	0.1	0
28	Ammonium improves tolerance to salinity stress in <i>Sorghum bicolor</i> plants. <i>Plant Growth Regulation</i> , 2016, 78, 121-131.	3.4	61
29	Organic solutes in coconut palm seedlings under water and salt stresses. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2016, 20, 1002-1007.	1.1	4
30	Ultrastructural and biochemical changes induced by salt stress in <i>Jatropha curcas</i> seeds during germination and seedling development. <i>Functional Plant Biology</i> , 2015, 42, 865.	2.1	21
31	Salt stress tolerance in cowpea is poorly related to the ability to cope with oxidative stress. <i>Acta Botanica Croatica</i> , 2014, 73, 78-89.	0.7	6
32	Nitrate: ammonium nutrition alleviates detrimental effects of salinity by enhancing photosystem II efficiency in sorghum plants. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2014, 18, 8-12.	1.1	15
33	Avaliação de DNA polimerases em ensaios de amplificação de microsatélites através do PowerPlex®16 BIO System. <i>BBR - Biochemistry and Biotechnology Reports</i> , 2014, 3, 1.	0.0	3
34	Increased Na <sup>+</sup> and Cl <sup>-</sup> accumulation induced by NaCl salinity inhibits cotyledonary reserve mobilization and alters the source-sink relationship in establishing dwarf cashew seedlings. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2171-2182.	2.1	21
35	Influence of inorganic nitrogen sources on K <sup>+</sup> /Na <sup>+</sup> homeostasis and salt tolerance in sorghum plants. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 841-852.	2.1	21
36	Enhanced salt tolerance in maize plants induced by H <sub>2</sub> O <sub>2</sub> leaf spraying is associated with improved gas exchange rather than with non-enzymatic antioxidant system. <i>Theoretical and Experimental Plant Physiology</i> , 2013, 25, 251-260.	2.4	58

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37	Catalase plays a key role in salt stress acclimation induced by hydrogen peroxide pretreatment in maize. <i>Plant Physiology and Biochemistry</i> , 2012, 56, 62-71.	5.8	97
38	NH <sub>4</sub> <sup>+</sup> -stimulated low-K <sup>+</sup> uptake is associated with the induction of H <sup>+</sup> extrusion by the plasma membrane H <sup>+</sup> -ATPase in sorghum roots under K <sup>+</sup> deficiency. <i>Journal of Plant Physiology</i> , 2011, 168, 1617-1626.	3.5	18
39	Efeito da nutrição de nitrato na tolerância de plantas de sorgo sudão à salinidade. <i>Revista Ciencia Agronomica</i> , 2011, 42, 675-683.	0.3	23
40	Salt tolerance is unrelated to carbohydrate metabolism in cowpea cultivars. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 887-896.	2.1	7
41	Deficiência nutricional em plântulas de feijão-de-corda decorrente da omissão de macro e micronutrientes. <i>Revista Ciencia Agronomica</i> , 2010, 41, 326-333.	0.3	9
42	Cowpea ribonuclease: properties and effect of NaCl-salinity on its activation during seed germination and seedling establishment. <i>Plant Cell Reports</i> , 2008, 27, 147-157.	5.6	57
43	Effects of salt stress on plant growth, stomatal response and solute accumulation of different maize genotypes. <i>Brazilian Journal of Plant Physiology</i> , 2004, 16, 31-38.	0.5	139
44	Guidelines for Successful Quantitative Gene Expression in Real- Time qPCR Assays. , 0, , .		3
45	Quality of haylage of <i>Brachiaria brizantha</i> with different contents of dry matter in the storage. <i>Journal of Agricultural Science</i> , 0, , 1-10.	1.3	1
46	Quality of haylage of <i>Brachiaria brizantha</i> with different contents of dry matter in the storage – CORRIGENDUM. <i>Journal of Agricultural Science</i> , 0, , 1-1.	1.3	1