

# Rafael Ferreira Barreto

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

262  
citations

933447

10  
h-index

996975

15  
g-index

28  
all docs

28  
docs citations

28  
times ranked

224  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicon alleviates ammonium toxicity in cauliflower and in broccoli. <i>Scientia Horticulturae</i> , 2017, 225, 743-750.	3.6	42
2	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.	7.8	22
3	Silicon Supplied Via Roots or Leaves Relieves Potassium Deficiency in Maize Plants. <i>Silicon</i> , 2022, 14, 773-782.	3.3	20
4	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.	8.0	17
5	Nitrogen concentrations and proportions of ammonium and nitrate in the nutrition and growth of yellow passion fruit seedlings. <i>Journal of Plant Nutrition</i> , 2020, 43, 2533-2547.	1.9	15
6	Silicon spraying alleviates calcium deficiency in tomato plants, but Ca-EDTA is toxic. <i>Journal of Plant Nutrition and Soil Science</i> , 2020, 183, 659-664.	1.9	15
7	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.	3.5	14
8	Ammonium Toxicity Alleviation by Silicon is Dependent on Cytokinins in Tomato cv. Micro-Tom. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 417-428.	5.1	14
9	Mitigation of ammonium toxicity by silicon in tomato depends on the ammonium concentration. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2016, 66, 483-488.	0.6	13
10	Macronutrient deficiency in snap bean considering physiological, nutritional, and growth aspects. <i>PLoS ONE</i> , 2020, 15, e0234512.	2.5	13
11	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.	3.4	12
12	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.	2.5	12
13	Accompanying ions of ammonium sources and nitrate : ammonium ratios in tomato plants. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 382-387.	1.9	9
14	Amplification of gibberellins response in tomato modulates calcium metabolism and blossom end rot occurrence. <i>Scientia Horticulturae</i> , 2019, 246, 498-505.	3.6	9
15	Silicon attenuates potassium and sulfur deficiency by increasing nutrient use efficiency in basil plants. <i>Scientia Horticulturae</i> , 2022, 291, 110616.	3.6	8
16	Cryptochrome 1a depends on blue light fluence rate to mediate osmotic stress responses in tomato. <i>Journal of Plant Physiology</i> , 2021, 258-259, 153374.	3.5	6
17	Na improves the growth of K-deficient but not K-sufficient kale. <i>Food Chemistry</i> , 2022, 370, 131017.	8.2	5
18	Silicon attenuates abiotic stress caused by ammonium toxicity but not nitrogen deficiency in cotton plants. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 774-781.	3.5	4

#	ARTICLE	IF	CITATIONS
19	Low auxin sensitivity of diageotropica tomato mutant alters nitrogen deficiency response. Anais Da Academia Brasileira De Ciencias, 2020, 92, e20190254.	0.8	4
20	Cryptochrome 1a of tomato modulates nutritional deficiency responses. Scientia Horticulturae, 2022, 291, 110577.	3.6	3
21	The auxin-resistant dgt tomato mutant grows less than the wild type but is less sensitive to ammonium toxicity and nitrogen deficiency. Journal of Plant Physiology, 2020, 252, 153243.	3.5	2
22	EFEITOS DAS MUDANÇAS CLIMÁTICAS EM PLANTAS CULTIVADAS E NATIVAS: ATUAL ESTADO DAS PESQUISAS BRASILEIRAS. , 0, , 109-125.		2
23	Response of photomorphogenic tomato mutants to nutrient omissions. Acta Physiologiae Plantarum, 2021, 43, 1.	2.1	1
24	Reactive natural phosphate enriched with filter cake enhances soil P content and noni seedlings growth. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2018, 68, 1-4.	0.6	0
25	Are the interaction effects of warming and drought on nutritional status and biomass production in a tropical forage legume greater than their individual effects?. Planta, 2021, 254, 104.	3.2	0
26	Low soil nutrient availability does not decrease post-drought recovery of Brachiaria Mavuno. Revista Brasileira De Botanica, 2021, 44, 849-858.	1.3	0