Allan Klynger Da Silva Lobato

List of Publications by Year
in descending order

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Version: 2024-02-01

58	951	394421	526287
papers	citations	19 h-index	27 g-index

59	59	59	821
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Brassinosteroids improve photosystem II efficiency, gas exchange, antioxidant enzymes and growth of cowpea plants exposed to water deficit. Physiology and Molecular Biology of Plants, 2017, 23, 59-72.	3.1	85
2	Brassinosteroids mitigate cadmium toxicity in cowpea plants. Photosynthetica, 2018, 56, 591-605.	1.7	67
3	Silicon-induced increase in chlorophyll is modulated by the leaf water potential in two water-deficient tomato cultivars. Plant, Soil and Environment, 2012, 58, 481-486.	2.2	61
4	Brassinosteroids Confer Tolerance to Salt Stress in Eucalyptus urophylla Plants Enhancing Homeostasis, Antioxidant Metabolism and Leaf Anatomy. Journal of Plant Growth Regulation, 2019, 38, 557-573.	5.1	45
5	Exogenous 24-Epibrassinolide stimulates root protection, and leaf antioxidant enzymes in lead stressed rice plants: Central roles to minimize Pb content and oxidative stress. Environmental Pollution, 2021, 280, 116992.	7.5	39
6	Brassinosteroids increase electron transport and photosynthesis in soybean plants under water deficit. Photosynthetica, 2019, 57, 181-191.	1.7	36
7	Silicon deposition in roots minimizes the cadmium accumulation and oxidative stress in leaves of cowpea plants. Physiology and Molecular Biology of Plants, 2018, 24, 99-114.	3.1	34
8	Brassinosteroids Positively Modulate Growth: Physiological, Biochemical and Anatomical Evidence Using Two Tomato Genotypes Contrasting to Dwarfism. Journal of Plant Growth Regulation, 2018, 37, 1099-1112.	5.1	33
9	Anatomical changes in stem and root of soybean plants submitted to salt stress. Plant Biology, 2021, 23, 57-65.	3.8	31
10	Relationships between leaf pigments and photosynthesis in common bean plants infected by anthracnose. New Zealand Journal of Crop and Horticultural Science, 2010, 38, 29-37.	1.3	30
11	24-Epibrassinolide Improves Root Anatomy and Antioxidant Enzymes in Soybean Plants Subjected to Zinc Stress. Journal of Soil Science and Plant Nutrition, 2020, 20, 105-124.	3.4	29
12	Silicon reduces aluminum accumulation and mitigates toxic effects in cowpea plants. Acta Physiologiae Plantarum, 2017, 39, 1.	2.1	28
13	Agricultural use of Samarco's spilled mud assessed by rice cultivation: A promising residue use?. Chemosphere, 2018, 193, 892-902.	8.2	28
14	Tolerance mechanisms in Cassia alata exposed to cadmium toxicity - potential use for phytoremediation. Photosynthetica, 2018, 56, 495-504.	1.7	27
15	24-epibrassinolide induces protection against waterlogging and alleviates impacts on the root structures, photosynthetic machinery and biomass in soybean. Plant Signaling and Behavior, 2020, 15, 1805885.	2.4	27
16	Brassinosteroids mitigate iron deficiency improving nutritional status and photochemical efficiency in Eucalyptus urophylla plants. Trees - Structure and Function, 2018, 32, 1681-1694.	1.9	26
17	Brassinosteroids induce tolerance to water deficit in soybean seedlings: contributions linked to root anatomy and antioxidant enzymes. Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	25
18	Unraveling the roles of brassinosteroids in alleviating drought stress in young Eucalyptus urophylla plants: Implications on redox homeostasis and photosynthetic apparatus. Physiologia Plantarum, 2021, 172, 748-761.	5.2	25

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19	Exogenous salicylic acid alleviates the negative impacts on production components, biomass and gas exchange in tomato plants under water deficit improving redox status and anatomical responses. Physiologia Plantarum, 2021, 172, 869-884.	5.2	24
20	Brassinosteroids trigger tolerance to iron toxicity in rice. Physiologia Plantarum, 2021, 171, 371-387.	5.2	23
21	24-Epibrassinolide mitigates nickel toxicity in young Eucalyptus urophylla S.T. Blake plants: nutritional, physiological, biochemical, anatomical and morphological responses. Annals of Forest Science, 2020, 77, 1.	2.0	20
22	24-Epibrassinolide Positively Modulate Leaf Structures, Antioxidant System and Photosynthetic Machinery in Rice Under Simulated Acid Rain. Journal of Plant Growth Regulation, 2020, 39, 1559-1576.	5.1	17
23	Pretreatment with 24-Epibrassinolide Synergistically Protects Root Structures and Chloroplastic Pigments and Upregulates Antioxidant Enzymes and Biomass in Na+-Stressed Tomato Plants. Journal of Plant Growth Regulation, 2022, 41, 2869-2885.	5.1	14
24	Leaf application of 24â€epibrassinolide mitigates cadmium toxicity in young Eucalyptus urophylla plants by modulating leaf anatomy and gas exchange. Physiologia Plantarum, 2021, 173, 67-87.	5.2	12
25	ABA-mediated proline synthesis in cowpea leaves exposed to water deficiency and rehydration. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 0, , .	2.1	12
26	Brassinosteroids-Mediated Amelioration of Iron Deficiency in Soybean Plants: Beneficial Effects on the Nutritional Status, Photosynthetic Pigments and Chlorophyll Fluorescence. Journal of Plant Growth Regulation, 2021, 40, 1803-1823.	5.1	11
27	Alleviation of Oxidative Stress Induced by 24-Epibrassinolide in Soybean Plants Exposed to Different Manganese Supplies: UpRegulation of Antioxidant Enzymes and Maintenance of Photosynthetic Pigments. Journal of Plant Growth Regulation, 2020, 39, 1425-1440.	5.1	11
28	Tolerance to waterlogging in young Euterpe oleracea plants. Photosynthetica, 2014, 52, 186-192.	1.7	10
29	Consequences of the water deficit on water relations and symbiosis in Vigna unguiculata cultivars. Plant, Soil and Environment, 2009, 55, 139-145.	2.2	9
30	Antioxidant enzymes efficiently control leaf and root cell damage in young Euterpe oleracea plants exposed to waterlogging. Indian Journal of Plant Physiology, 2015, 20, 213-219.	0.8	9
31	Tolerance to water deficit in cowpea populations resulting from breeding program: detection by gas exchange and chlorophyll fluorescence. Indian Journal of Plant Physiology, 2016, 21, 171-178.	0.8	9
32	Effect of potassium sources on the antioxidant activity of eggplantÂ¹. Revista Brasileira De Ciencia Do Solo, 2014, 38, 1836-1842.	1.3	8
33	Root-differential modulation enhances nutritional status and leaf anatomy in pigeonpea plants under water deficit. Flora: Morphology, Distribution, Functional Ecology of Plants, 2020, 262, 151519.	1.2	7
34	Exogenously Applied 24-Epibrassinolide Favours Stomatal Performance, ROS Detoxification and Nutritional Balance, Alleviating Oxidative Damage Against the Photosynthetic Apparatus in Tomato Leaves Under Nickel Stress. Journal of Plant Growth Regulation, 2023, 42, 2196-2211.	5.1	7
35	Silicon mitigates oxidative stress and has positive effects in Eucalyptus platyphylla under aluminium toxicity. Plant, Soil and Environment, 2016, 62, 164-170.	2.2	6
36	Potential of calcium silicate to mitigate water deficiency in maize. Bragantia, 2016, 75, 275-285.	1.3	6

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37	24-Epibrassinolide induces protection against nickel excess in soybean plants: anatomical evidences. Revista Brasileira De Botanica, 2021, 44, 197-205.	1.3	6
38	Tolerance of Plants to Toxicity Induced by Micronutrients. , 0, , .		5
39	Biochemical Responses of Two Species of Eucalyptus Exposed to Aluminium Toxicity: Oxidative Stress and Antioxidant Metabolism. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2016, 44, 107-115.	1.1	5
40	Differential behaviours in two species of Eucalyptus exposed to aluminium. Indian Journal of Plant Physiology, 2017, 22, 107-113.	0.8	5
41	Antioxidant system is insufficient to prevent cell damages in Euterpe oleracea exposed to water deficit. Emirates Journal of Food and Agriculture, 2017, 29, 206.	1.0	5
42	24-Epibrasinolide Delays Chlorophyll Degradation and Stimulates the Photosynthetic Machinery in Magnesium-Stressed Soybean Plants. Journal of Plant Growth Regulation, 2023, 42, 183-198.	5.1	5
43	Proline but not Glutathione Actively Participates in the Tolerance Mechanism of Young Schizolobium parahyba var. amazonicum Plants Exposed to Boron Toxicity. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2016, 44, 215-221.	1.1	4
44	Short-Time of Rehydration is not Effective to Re-Establish Chlorophyll Fluorescence and Gas Exchange in Two Cowpea Cultivars Submitted to Water Deficit. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2017, 45, 238-244.	1.1	4
45	Photosynthetic pigments and carbohydrates in young Brazil nut (Bertholletia excelsa H.B.K.) plants exposed to moderate and severe water deficiency. Australian Journal of Crop Science, 2016, 10, 920-925.	0.3	3
46	Foliar-applied 24-epibrassinolide systemically triggers tolerance to magnesium stress in soybean plants: plausible responses focused on root and leaf structures. Botany Letters, 2021, 168, 558-569.	1.4	3
47	Potassium Fertilization in the Production of Vegetables and Fruits. , 0, , .		2
48	Positive biochemical, physiological and nutritional evidence from the use of biochar in the growth of eucalyptus plants. Botany Letters, 2022, 169, 337-350.	1.4	2
49	Cowpea Breeding for Drought Tolerance â€" From Brazil to World. , 2016, , .		1
50	Consequences of Water Deficit on Metabolism of Legumes. , 0, , .		1
51	Boron Supply and Water Deficit Consequences in Young ParicÃƒÂ¡ (<i>Schizolobium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Cluj-Napoca, 2016, 44, 250-256.	1.1	1
52	Management Practices for Insect Resistance in Bt Maize. , 2016, , .		1
53	Genetic parameters related to gas exchange and production components in cowpea populations under drought. Vegetos, 2020, 33, 335-344.	1.5	1
54	Protective Mechanism Triggered by Pigeonpea Plants Exposed to Water Deficit: Modifications Linked to Paraheliotropism, Stomatal Characteristics and Antioxidant Enzymes. Journal of Plant Growth Regulation, 2021, 40, 20-36.	5.1	1

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55	Oxidant and antioxidant compounds, gas exchange and growth of young Schizolobium parahyba var. amazonicum plants under high boron and calcium concentrations. Emirates Journal of Food and Agriculture, 0, , 994.	1.0	1
56	Comportamento produtivo e econÃ´mico da alface americana em funÃ§Ã£o de diferentes lÃ¢minas de Ã¡gua. Revista Brasileira De Engenharia Agricola E Ambiental, 2011, 15, 1161-1167.	1.1	1
57	Efficiency of Utilization of Nitrogen Coated with Urease Inhibitor in Maize. Pakistan Journal of Biological Sciences, 2013, 16, 871-876.	0.5	1
58	Physiological, biochemical and nutritional aspects in Schizolobium parahyba var. amazonicum (Huber) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.3	1