Allan Klynger Da Silva Lobato

List of Publications by Citations

53 papers	530 citations	14 h-index	21 g-index
59 ext. papers	714 ext. citations	2.8 avg, IF	4.61 L-index

#	Paper	IF	Citations
53	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	2.8	62
52	Brassinosteroids mitigate cadmium toxicity in cowpea plants. *Photosynthetica*, **2018**, 56, 591-605	2.2	42
51	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	42
50	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	4.7	30
49	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	4.7	24
48	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	3.2	22
47	Brassinosteroids mitigate iron deficiency improving nutritional status and photochemical efficiency in Eucalyptus urophylla plants. *Trees - Structure and Function*, **2018**, 32, 1681-1694	2.6	21
46	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	2.8	18
45	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	0.9	18
44	Silicon reduces aluminum accumulation and mitigates toxic effects in cowpea plants. *Acta Physiologiae Plantarum*, **2017**, 39, 1	2.6	17
43	Tolerance mechanisms in Cassia alata exposed to cadmium toxicity - potential use for phytoremediation. *Photosynthetica*, **2018**, 56, 495-504	2.2	17
42	Brassinosteroids increase electron transport and photosynthesis in soybean plants under water deficit. *Photosynthetica*, **2019**, 57, 181-191	2.2	17
41	Agricultural use of Samarco's spilled mud assessed by rice cultivation: A promising residue use?. *Chemosphere*, **2018**, 193, 892-902	8.4	17
40	Brassinosteroids induce tolerance to water deficit in soybean seedlings: contributions linked to root anatomy and antioxidant enzymes. *Acta Physiologiae Plantarum*, **2019**, 41, 1	2.6	14
39	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	9.3	11
38	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	4.7	9
37	Tolerance to waterlogging in young Euterpe oleracea plants. *Photosynthetica*, **2014**, 52, 186-192	2.2	9

36	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	3.1	9
35	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	2.5	9
34	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	4.6	8
33	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		7
32	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		7
31	Brassinosteroids trigger tolerance to iron toxicity in rice. *Physiologia Plantarum*, **2021**, 171, 371-387	4.6	7
30	Anatomical changes in stem and root of soybean plants submitted to salt stress. *Plant Biology*, **2021**, 23, 57-65	3.7	7
29	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	4.6	7
28	Effect of potassium sources on the antioxidant activity of eggplant *Revista Brasileira De Ciencia Do Solo*, **2014**, 38, 1836-1842	1.5	6
27	Consequences of the water deficit on water relations and symbiosis in Vigna unguiculata cultivars. *Plant, Soil and Environment*, **2009**, 55, 139-145	2.2	6
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*, **2020**, 40, 1803	4.7	6
25	Silicon mitigates oxidative stress and has positive effects in Eucalyptus platyphylla under aluminium toxicity. *Plant, Soil and Environment*, **2016**, 62, 164-170	2.2	5
24	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	4.7	5
23	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	1.2	4
22	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	4
21	Leaf application of 24-epibrassinolide mitigates cadmium toxicity in young Eucalyptus urophylla plants by modulating leaf anatomy and gas exchange. *Physiologia Plantarum*, **2021**, 173, 67-87	4.6	4
20	Potential of calcium silicate to mitigate water deficiency in maize. *Bragantia*, **2016**, 75, 275-285	1.2	4
19	Tolerance of Plants to Toxicity Induced by Micronutrients **2016**,		4

18	24-Epibrasinolide Delays Chlorophyll Degradation and Stimulates the Photosynthetic Machinery in Magnesium-Stressed Soybean Plants. *Journal of Plant Growth Regulation*,1	4.7	3
17	ABA-mediated proline synthesis in cowpea leaves exposed to water deficiency and rehydration		3
16	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	1.9	3
15	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	1.2	3
14	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	1.2	3
13	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*,1	4.7	3
12	Differential behaviours in two species of Eucalyptus exposed to aluminium. *Indian Journal of Plant Physiology*, **2017**, 22, 107-113		2
11	Foliar-applied 24-epibrassinolide systemically triggers tolerance to magnesium stress in soybean plants: plausible responses focused on root and leaf structures. *Botany Letters*,1-12	1.1	2
10	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	0.5	2
9	Consequences of Water Deficit on Metabolism of Legumes **2016**,		1
8	Boron Supply and Water Deficit Consequences in Young Paricˆ (Schizolobium parahyba var. amazonicum) Plants. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, **2016**, 44, 250-256	1.2	1
7	Management Practices for Insect Resistance in Bt Maize **2016**,		1
6	24-Epibrassinolide induces protection against nickel excess in soybean plants: anatomical evidences. *Revista Brasileira De Botanica*, **2021**, 44, 197-205	1.2	1
5	Genetic parameters related to gas exchange and production components in cowpea populations under drought. *Vegetos*, **2020**, 33, 335-344	1.2	0
4	Positive biochemical, physiological and nutritional evidence from the use of biochar in the growth of eucalyptus plants. *Botany Letters*,1-14	1.1	0
3	Comportamento produtivo e econˆ mico da alface americana em funˆ de diferentes lˆ minas de ˆ ¡gua. *Revista Brasileira De Engenharia Agricola E Ambiental*, **2011**, 15, 1161-1167	0.9	
2	Efficiency of utilization of nitrogen coated with urease inhibitor in maize. *Pakistan Journal of Biological Sciences*, **2013**, 16, 871-6	0.8	
1	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	4.7	