

Allan Klynger Da Silva Lobato

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	24-Epibrassinolide Delays Chlorophyll Degradation and Stimulates the Photosynthetic Machinery in Magnesium-Stressed Soybean Plants. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 183-198.	5.1	5
2	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. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 2196-2211.	5.1	7
3	Pretreatment with 24-Epibrassinolide Synergistically Protects Root Structures and Chloroplastic Pigments and Upregulates Antioxidant Enzymes and Biomass in Na ⁺ -Stressed Tomato Plants. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2869-2885.	5.1	14
4	Positive biochemical, physiological and nutritional evidence from the use of biochar in the growth of eucalyptus plants. <i>Botany Letters</i> , 2022, 169, 337-350.	1.4	2
5	Physiological, biochemical and nutritional aspects in <i>Schizolobium parahyba</i> var. <i>amazonicum</i> (Huber) Tj ETQq1 1 0,784314 rgBT /Over 1.3 F		
6	Brassinosteroids-Mediated Amelioration of Iron Deficiency in Soybean Plants: Beneficial Effects on the Nutritional Status, Photosynthetic Pigments and Chlorophyll Fluorescence. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1803-1823.	5.1	11
7	Leaf application of 24-epibrassinolide mitigates cadmium toxicity in young <i>Eucalyptus urophylla</i> plants by modulating leaf anatomy and gas exchange. <i>Physiologia Plantarum</i> , 2021, 173, 67-87.	5.2	12
8	Protective Mechanism Triggered by Pigeonpea Plants Exposed to Water Deficit: Modifications Linked to Paraheliotropism, Stomatal Characteristics and Antioxidant Enzymes. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 20-36.	5.1	1
9	Unraveling the roles of brassinosteroids in alleviating drought stress in young <i>Eucalyptus urophylla</i> plants: Implications on redox homeostasis and photosynthetic apparatus. <i>Physiologia Plantarum</i> , 2021, 172, 748-761.	5.2	25
10	Brassinosteroids trigger tolerance to iron toxicity in rice. <i>Physiologia Plantarum</i> , 2021, 171, 371-387.	5.2	23
11	Anatomical changes in stem and root of soybean plants submitted to salt stress. <i>Plant Biology</i> , 2021, 23, 57-65.	3.8	31
12	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. <i>Physiologia Plantarum</i> , 2021, 172, 869-884.	5.2	24
13	24-Epibrassinolide induces protection against nickel excess in soybean plants: anatomical evidences. <i>Revista Brasileira De Botanica</i> , 2021, 44, 197-205.	1.3	6
14	Foliar-applied 24-epibrassinolide systemically triggers tolerance to magnesium stress in soybean plants: plausible responses focused on root and leaf structures. <i>Botany Letters</i> , 2021, 168, 558-569.	1.4	3
15	Exogenous 24-Epibrassinolide stimulates root protection, and leaf antioxidant enzymes in lead stressed rice plants: Central roles to minimize Pb content and oxidative stress. <i>Environmental Pollution</i> , 2021, 280, 116992.	7.5	39
16	24-Epibrassinolide Improves Root Anatomy and Antioxidant Enzymes in Soybean Plants Subjected to Zinc Stress. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 105-124.	3.4	29
17	Root-differential modulation enhances nutritional status and leaf anatomy in pigeonpea plants under water deficit. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2020, 262, 151519.	1.2	7
18	24-Epibrassinolide mitigates nickel toxicity in young <i>Eucalyptus urophylla</i> S.T. Blake plants: nutritional, physiological, biochemical, anatomical and morphological responses. <i>Annals of Forest Science</i> , 2020, 77, 1.	2.0	20

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19	24-epibrassinolide induces protection against waterlogging and alleviates impacts on the root structures, photosynthetic machinery and biomass in soybean. <i>Plant Signaling and Behavior</i> , 2020, 15, 1805885.	2.4	27
20	24-Epibrassinolide Positively Modulate Leaf Structures, Antioxidant System and Photosynthetic Machinery in Rice Under Simulated Acid Rain. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1559-1576.	5.1	17
21	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. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1425-1440.	5.1	11
22	Genetic parameters related to gas exchange and production components in cowpea populations under drought. <i>Vegetos</i> , 2020, 33, 335-344.	1.5	1
23	Brassinosteroids induce tolerance to water deficit in soybean seedlings: contributions linked to root anatomy and antioxidant enzymes. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	2.1	25
24	Brassinosteroids Confer Tolerance to Salt Stress in <i>Eucalyptus urophylla</i> Plants Enhancing Homeostasis, Antioxidant Metabolism and Leaf Anatomy. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 557-573.	5.1	45
25	Brassinosteroids increase electron transport and photosynthesis in soybean plants under water deficit. <i>Photosynthetica</i> , 2019, 57, 181-191.	1.7	36
26	Silicon deposition in roots minimizes the cadmium accumulation and oxidative stress in leaves of cowpea plants. <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 99-114.	3.1	34
27	Brassinosteroids Positively Modulate Growth: Physiological, Biochemical and Anatomical Evidence Using Two Tomato Genotypes Contrasting to Dwarfism. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1099-1112.	5.1	33
28	Tolerance mechanisms in <i>Cassia alata</i> exposed to cadmium toxicity - potential use for phytoremediation. <i>Photosynthetica</i> , 2018, 56, 495-504.	1.7	27
29	Brassinosteroids mitigate cadmium toxicity in cowpea plants. <i>Photosynthetica</i> , 2018, 56, 591-605.	1.7	67
30	Agricultural use of Samarco's spilled mud assessed by rice cultivation: A promising residue use?. <i>Chemosphere</i> , 2018, 193, 892-902.	8.2	28
31	Brassinosteroids mitigate iron deficiency improving nutritional status and photochemical efficiency in <i>Eucalyptus urophylla</i> plants. <i>Trees - Structure and Function</i> , 2018, 32, 1681-1694.	1.9	26
32	Brassinosteroids improve photosystem II efficiency, gas exchange, antioxidant enzymes and growth of cowpea plants exposed to water deficit. <i>Physiology and Molecular Biology of Plants</i> , 2017, 23, 59-72.	3.1	85
33	Differential behaviours in two species of <i>Eucalyptus</i> exposed to aluminium. <i>Indian Journal of Plant Physiology</i> , 2017, 22, 107-113.	0.8	5
34	Silicon reduces aluminum accumulation and mitigates toxic effects in cowpea plants. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	2.1	28
35	Short-Time of Rehydration is not Effective to Re-Establish Chlorophyll Fluorescence and Gas Exchange in Two Cowpea Cultivars Submitted to Water Deficit. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2017, 45, 238-244.	1.1	4
36	Antioxidant system is insufficient to prevent cell damages in <i>Euterpe oleracea</i> exposed to water deficit. <i>Emirates Journal of Food and Agriculture</i> , 2017, 29, 206.	1.0	5

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37	Silicon mitigates oxidative stress and has positive effects in <i>Eucalyptus platyphylla</i> under aluminium toxicity. <i>Plant, Soil and Environment</i> , 2016, 62, 164-170.	2.2	6
38	Proline but not Glutathione Actively Participates in the Tolerance Mechanism of Young <i>Schizolobium parahyba</i> var. <i>amazonicum</i> Plants Exposed to Boron Toxicity. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2016, 44, 215-221.	1.1	4
39	Photosynthetic pigments and carbohydrates in young Brazil nut (<i>Bertholletia excelsa</i> H.B.K.) plants exposed to moderate and severe water deficiency. <i>Australian Journal of Crop Science</i> , 2016, 10, 920-925.	0.3	3
40	Potential of calcium silicate to mitigate water deficiency in maize. <i>Bragantia</i> , 2016, 75, 275-285.	1.3	6
41	Cowpea Breeding for Drought Tolerance " From Brazil to World. , 2016, , .		1
42	Biochemical Responses of Two Species of <i>Eucalyptus</i> Exposed to Aluminium Toxicity: Oxidative Stress and Antioxidant Metabolism. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2016, 44, 107-115.	1.1	5
43	Boron Supply and Water Deficit Consequences in Young <i>Paricãf</i> (&t;Schizolobium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 Cluj-Napoca, 2016, 44, 250-256.	1.1	1
44	Management Practices for Insect Resistance in Bt Maize. , 2016, , .		1
45	Tolerance to water deficit in cowpea populations resulting from breeding program: detection by gas exchange and chlorophyll fluorescence. <i>Indian Journal of Plant Physiology</i> , 2016, 21, 171-178.	0.8	9
46	Antioxidant enzymes efficiently control leaf and root cell damage in young <i>Euterpe oleracea</i> plants exposed to waterlogging. <i>Indian Journal of Plant Physiology</i> , 2015, 20, 213-219.	0.8	9
47	Effect of potassium sources on the antioxidant activity of eggplant ¹ . <i>Revista Brasileira De Ciencia Do Solo</i> , 2014, 38, 1836-1842.	1.3	8
48	Tolerance to waterlogging in young <i>Euterpe oleracea</i> plants. <i>Photosynthetica</i> , 2014, 52, 186-192.	1.7	10
49	Efficiency of Utilization of Nitrogen Coated with Urease Inhibitor in Maize. <i>Pakistan Journal of Biological Sciences</i> , 2013, 16, 871-876.	0.5	1
50	Silicon-induced increase in chlorophyll is modulated by the leaf water potential in two water-deficient tomato cultivars. <i>Plant, Soil and Environment</i> , 2012, 58, 481-486.	2.2	61
51	Comportamento produtivo e econÃmico da alface americana em funÃÃo de diferentes lâminas de Ãgua. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2011, 15, 1161-1167.	1.1	1
52	Relationships between leaf pigments and photosynthesis in common bean plants infected by anthracnose. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2010, 38, 29-37.	1.3	30
53	Consequences of the water deficit on water relations and symbiosis in <i>Vigna unguiculata</i> cultivars. <i>Plant, Soil and Environment</i> , 2009, 55, 139-145.	2.2	9
54	Tolerance of Plants to Toxicity Induced by Micronutrients. , 0, , .		5

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55	Consequences of Water Deficit on Metabolism of Legumes. , 0, , .		1
56	Potassium Fertilization in the Production of Vegetables and Fruits. , 0, , .		2
57	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
58	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