

Allan Klynger Da Silva Lobato

List of Publications by Year in descending order

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58
papers

951
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times ranked

821
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.4	85
2	Brassinosteroids mitigate cadmium toxicity in cowpea plants. <i>Photosynthetica</i> , 2018, 56, 591-605.	0.9	67
3	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.	1.0	61
4	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.	2.8	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. <i>Environmental Pollution</i> , 2021, 280, 116992.	3.7	39
6	Brassinosteroids increase electron transport and photosynthesis in soybean plants under water deficit. <i>Photosynthetica</i> , 2019, 57, 181-191.	0.9	36
7	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.	1.4	34
8	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.	2.8	33
9	Anatomical changes in stem and root of soybean plants submitted to salt stress. <i>Plant Biology</i> , 2021, 23, 57-65.	1.8	31
10	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.	0.7	30
11	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.	1.7	29
12	Silicon reduces aluminum accumulation and mitigates toxic effects in cowpea plants. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	28
13	Agricultural use of Samarco's spilled mud assessed by rice cultivation: A promising residue use?. <i>Chemosphere</i> , 2018, 193, 892-902.	4.2	28
14	Tolerance mechanisms in <i>Cassia alata</i> exposed to cadmium toxicity - potential use for phytoremediation. <i>Photosynthetica</i> , 2018, 56, 495-504.	0.9	27
15	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.	1.2	27
16	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.	0.9	26
17	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.	1.0	25
18	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.	2.6	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. <i>Physiologia Plantarum</i> , 2021, 172, 869-884.	2.6	24
20	Brassinosteroids trigger tolerance to iron toxicity in rice. <i>Physiologia Plantarum</i> , 2021, 171, 371-387.	2.6	23
21	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.	0.8	20
22	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.	2.8	17
23	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.	2.8	14
24	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.	2.6	12
25	ABA-mediated proline synthesis in cowpea leaves exposed to water deficiency and rehydration. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 0, , .	0.8	12
26	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.	2.8	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. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1425-1440.	2.8	11
28	Tolerance to waterlogging in young <i>Euterpe oleracea</i> plants. <i>Photosynthetica</i> , 2014, 52, 186-192.	0.9	10
29	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.	1.0	9
30	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
31	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
32	Effect of potassium sources on the antioxidant activity of eggplant ¹ . <i>Revista Brasileira De Ciencia Do Solo</i> , 2014, 38, 1836-1842.	0.5	8
33	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.	0.6	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. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 2196-2211.	2.8	7
35	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.	1.0	6
36	Potential of calcium silicate to mitigate water deficiency in maize. <i>Bragantia</i> , 2016, 75, 275-285.	1.3	6

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37	24-Epibrassinolide induces protection against nickel excess in soybean plants: anatomical evidences. <i>Revista Brasileira De Botanica</i> , 2021, 44, 197-205.	0.5	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. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2016, 44, 107-115.	0.5	5
40	Differential behaviours in two species of Eucalyptus exposed to aluminium. <i>Indian Journal of Plant Physiology</i> , 2017, 22, 107-113.	0.8	5
41	Antioxidant system is insufficient to prevent cell damages in Euterpe oleracea exposed to water deficit. <i>Emirates Journal of Food and Agriculture</i> , 2017, 29, 206.	1.0	5
42	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.	2.8	5
43	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.	0.5	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. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2017, 45, 238-244.	0.5	4
45	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.	0.1	3
46	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.	0.7	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. <i>Botany Letters</i> , 2022, 169, 337-350.	0.7	2
49	Cowpea Breeding for Drought Tolerance " 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 <i>ParicÃfÃ; (&lt;i>Schizolobium)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 Cluj-Napoca, 2016, 44, 250-256.	0.5	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. <i>Vegetos</i> , 2020, 33, 335-344.	0.8	1
54	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.	2.8	1

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55	Oxidant and antioxidant compounds, gas exchange and growth of young <i>Schizolobium parahyba</i> var. <i>amazonicum</i> plants under high boron and calcium concentrations. <i>Emirates Journal of Food and Agriculture</i> , 0, , 994.	1.0	1
56	Comportamento produtivo e econômico da alface americana em função de diferentes lâminas de água. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2011, 15, 1161-1167.	0.4	1
57	Efficiency of Utilization of Nitrogen Coated with Urease Inhibitor in Maize. <i>Pakistan Journal of Biological Sciences</i> , 2013, 16, 871-876.	0.2	1
58	Physiological, biochemical and nutritional aspects in <i>Schizolobium parahyba</i> var. <i>amazonicum</i> (Huber) Tj ETQq0 0 0,rgBT /Overlock 10 T	0.5	1