

Claudivan Feitosa de Lacerda

List of Publications by Year in descending order

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107
papers

1,774
citations

361045
20
h-index

329751
37
g-index

107
all docs

107
docs citations

107
times ranked

1768
citing authors

#	ARTICLE	IF	CITATIONS
1	Solute accumulation and distribution during shoot and leaf development in two sorghum genotypes under salt stress. <i>Environmental and Experimental Botany</i> , 2003, 49, 107-120.	2.0	287
2	Effects of salt stress on plant growth, stomatal response and solute accumulation of different maize genotypes. <i>Brazilian Journal of Plant Physiology</i> , 2004, 16, 31-38.	0.5	139
3	Changes in growth and in solute concentrations in sorghum leaves and roots during salt stress recovery. <i>Environmental and Experimental Botany</i> , 2005, 54, 69-76.	2.0	134
4	Calcium can moderate changes on membrane structure and lipid composition in cowpea plants under salt stress. <i>Plant Growth Regulation</i> , 2011, 65, 55-63.	1.8	60
5	Cowpea ribonuclease: properties and effect of NaCl-salinity on its activation during seed germination and seedling establishment. <i>Plant Cell Reports</i> , 2008, 27, 147-157.	2.8	57
6	Salt Tolerance is Associated with Differences in Ion Accumulation, Biomass Allocation and Photosynthesis in Cowpea Cultivars. <i>Journal of Agronomy and Crop Science</i> , 2010, 196, 193-204.	1.7	56
7	Plant growth and solute accumulation and distribution in two sorghum genotypes, under NaCl stress. <i>Brazilian Journal of Plant Physiology</i> , 2001, 13, 270-284.	0.1	50
8	Physiological responses of NaCl stressed cowpea plants grown in nutrient solution supplemented with CaCl ₂ . <i>Brazilian Journal of Plant Physiology</i> , 2003, 15, 99-105.	0.5	48
9	Crescimento, partiÃ§Ã£o de matÃ©ria seca e retenÃ§Ã£o de Na ⁺ , K ⁺ e Cl ⁻ em dois genÃ³tipos de sorgo irrigados com Ãguas salinas. <i>Revista Brasileira De Ciencia Do Solo</i> , 2007, 31, 961-971.	0.5	37
10	Salt-induced changes on H ⁺ -ATPase activity, sterol and phospholipid content and lipid peroxidation of root plasma membrane from dwarf-cashew (<i>Anacardium occidentale</i> L.) seedlings. <i>Plant Growth Regulation</i> , 2009, 59, 125-135.	1.8	36
11	AcumulaÃ§Ã£o de biomassa e extraÃ§Ã£o de nutrientes por plantas de feijÃ£o-de-corda irrigadas com Ãgua salina em diferentes estÃdios de desenvolvimento. <i>Ciencia Rural</i> , 2009, 39, 758-765.	0.3	35
12	Dark septate endophytic fungi mitigate the effects of salt stress on cowpea plants. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 243-253.	0.8	35
13	Produtividade do feijÃ£o-de-corda e acÃmulo de sais no solo em funÃ§Ã£o da fraÃ§Ã£o de lixiviaÃ§Ã£o e da salinidade da Ãgua de irrigaÃ§Ã£o. <i>Engenharia Agrícola</i> , 2007, 27, 702-713.	0.2	34
14	RotaÃ§Ã£o cultural feijÃ£o caupi/milho utilizando-se Ãguas de salinidades diferentes. <i>Ciencia Rural</i> , 2010, 40, 1075-1082.	0.3	33
15	InteraÃ§Ã£o entre salinidade e biofertilizante bovino na cultura do feijÃ£o-de-corda. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2011, 15, 383-389.	0.4	31
16	Soil salinization and maize and cowpea yield in the crop rotation system using saline waters. <i>Engenharia Agrícola</i> , 2011, 31, 663-675.	0.2	30
17	Osmotic adjustment in roots and leaves of two sorghum genotypes under NaCl stress. <i>Brazilian Journal of Plant Physiology</i> , 2003, 15, 113-118.	0.5	29
18	Desenvolvimento do milho sob influÃncia de Ãrvores de pau-branco em sistema agrossilvipastoril. <i>Pesquisa Agropecuaria Brasileira</i> , 2013, 48, 1342-1350.	0.9	27

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19	Evapotranspiration as a Criterion to Estimate Nitrogen Requirement of Maize Under Salt Stress. <i>Journal of Agronomy and Crop Science</i> , 2016, 202, 192-202.	1.7	27
20	Effect of water stress on seedling growth in two species with different abundances: the importance of Stress Resistance Syndrome in seasonally dry tropical forest. <i>Acta Botanica Brasilica</i> , 2015, 29, 375-382.	0.8	24
21	IRRIGAÇÃO COM ÁGUAS SALINAS E USO DE BIOFERTILIZANTE BOVINO NAS TROCAS GASOSAS E PRODUTIVIDADE DE FEIJÃO-DE-CORDA. <i>Irriga</i> , 2013, 18, 304.	0.2	22
22	Yield and ion content in maize irrigated with saline water in a continuous or alternating system. <i>Ciencia Rural</i> , 2012, 42, 1731-1737.	0.3	19
23	Respostas de crescimento e fisiologia do milho submetido a estresse salino com diferentes espaçamentos de cultivo. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2011, 15, 365-370.	0.4	18
24	TROCAS GASOSAS E EFICIÊNCIA DO FOTOSISTEMA II EM PLANTAS ADULTAS DE SEIS ESPÉCIES FLORESTAIS EM FUNÇÃO DO SUPRIMENTO DE ÁGUA NO SOLO1. <i>Revista Arvore</i> , 2015, 39, 973-983.	0.5	17
25	Supplemental irrigation using brackish water on maize in tropical semi-arid regions of Brazil: yield and economic analysis. <i>Scientia Agrícola</i> , 2021, 78, .	0.6	15
26	Growth and physiology of maize under water salinity and nitrogen fertilization in two soils. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2019, 23, 907-913.	0.4	15
27	Exogenous Silicon and Proline Modulate Osmoprotection and Antioxidant Activity in Cowpea Under Drought Stress. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1692-1699.	1.7	15
28	New substrate containing agroindustrial carnauba residue for production of papaya under foliar fertilization. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2017, 21, 128-133.	0.4	14
29	Quantitative and qualitative responses of <i>Catharanthus roseus</i> to salinity and biofertilizer. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2018, 22, 22-26.	0.4	14
30	Water restriction in cowpea plants [<i>Vigna unguiculata</i> (L.) Walp.]: Metabolic changes and tolerance induction. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2022, 26, 190-197.	0.4	14
31	Eficiência de utilização de água e nutrientes em plantas de feijão-de-corda irrigadas com água salina em diferentes estádios de desenvolvimento. <i>Engenharia Agrícola</i> , 2009, 29, 221-230.	0.2	13
32	Morphophysiological responses and mechanisms of salt tolerance in four ornamental perennial species under tropical climate. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2020, 24, 656-663.	0.4	13
33	Fluxo de biomassa em capim-massai durante o estabelecimento e rebrota com e sem adubação nitrogenada. <i>Revista Ceres</i> , 2013, 60, 363-371.	0.1	13
34	Ecophysiology of the tall coconut growing under different coastal areas of northeastern Brazil. <i>Agricultural Water Management</i> , 2020, 232, 106047.	2.4	12
35	Mechanisms of salt tolerance in seedlings of six woody native species of the Brazilian semi-arid. <i>Revista Ciencia Agronomica</i> , 2017, 48, .	0.1	12
36	PHYSIOLOGICAL RESPONSES OF DWARF COCONUT PLANTS UNDER WATER DEFICIT IN SALT-AFFECTED SOILS. <i>Revista Caatinga</i> , 2017, 30, 447-457.	0.3	11

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37	A new method to evaluate salt tolerance of ornamental plants. Theoretical and Experimental Plant Physiology, 2018, 30, 173-180.	1.1	11
38	Socio-Economic Indexes for Water Use in Irrigation in a Representative Basin of the Tropical Semiarid Region. Water (Switzerland), 2021, 13, 2643.	1.2	11
39	Supplemental Irrigation with Brackish Water Improves Carbon Assimilation and Water Use Efficiency in Maize under Tropical Dryland Conditions. Agriculture (Switzerland), 2022, 12, 544.	1.4	11
40	Nitrato modula os teores de cloreto e compostos nitrogenados em plantas de milho submetidas à salinidade. Bragantia, 2013, 72, 10-19.	1.3	10
41	Supplemental Ca ²⁺ does not improve growth but it affects nutrient uptake in NaCl-stressed cowpea plants. Brazilian Journal of Plant Physiology, 2012, 24, 9-18.	0.5	9
42	Growth and yield of cowpea/sunflower crop rotation under different irrigation management strategies with saline water. Ciencia Rural, 2015, 45, 814-820.	0.3	9
43	Water salinity and nitrogen fertilization in the production and quality of guava fruits. Bioscience Journal, 0, , 837-848.	0.4	9
44	Physiologic responses of precocious dwarf cashew at different levels of salinity. Revista Ciencia Agronomica, 2010, 41, .	0.1	9
45	Crescimento e respostas fisiológicas do meloeiro inoculado com fungos micorrízicos arbusculares sob estresse salino. Semina:Ciencias Agrarias, 2013, 34, .	0.1	8
46	Ecophysiology of deciduous plants grown at different densities in the semiarid region of Brazil. Theoretical and Experimental Plant Physiology, 2013, 25, 94-105.	1.1	8
47	Quantum efficiency of photosystem II and production of orange under salt stress and nitrogen fertilization. Revista Brasileira De Engenharia Agricola E Ambiental, 2016, 20, 434-440.	0.4	8
48	Response of four woody species to salinity and water deficit in initial growth phase. Revista Brasileira De Engenharia Agricola E Ambiental, 2018, 22, 753-757.	0.4	8
49	Isolated and combined effects of soil salinity and waterlogging in seedlings of "Green Dwarf"™ coconut. Semina:Ciencias Agrarias, 2018, 39, 1459.	0.1	8
50	Evidence of nitrogen and potassium losses in soil columns cultivated with maize under salt stress. Revista Brasileira De Engenharia Agricola E Ambiental, 2018, 22, 553-557.	0.4	8
51	Growth, production and water and nitrogen use efficiency of maize under water depths and nitrogen fertilization. Revista Brasileira De Engenharia Agricola E Ambiental, 2019, 23, 747-753.	0.4	8
52	Colonização micorrízica e nodulação radicular em mudas de sabiá (Mimosa caesalpiniaefolia Benth.) sob diferentes níveis de salinidade. Revista Ciencia Agronomica, 2012, 43, 409-416.	0.1	8
53	Effect of soil management on water deficit, gas exchange and cowpea yield in the semi-arid region. Revista Ciencia Agronomica, 2015, 46, .	0.1	8
54	Biomassa, atividade microbiana e FMA em rota cultural milho/feijão-de-corda utilizando-se águas salinas. Revista Ciencia Agronomica, 2010, 41, 562-570.	0.1	7

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55	Salt tolerance is unrelated to carbohydrate metabolism in cowpea cultivars. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 887-896.	1.0	7
56	Physiological and ionic changes in dwarf coconut seedlings irrigated with saline water. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2017, 21, 122-127.	0.4	7
57	Growth and photosynthetic parameters of saccharine sorghum plants subjected to salinity. <i>Acta Scientiarum - Agronomy</i> , 2018, 41, 42607.	0.6	7
58	Trocas gasosas e conteúdo de carboidratos e compostos nitrogenados em pinhão-mansão irrigado com águas residuárias e salina. <i>Pesquisa Agropecuaria Brasileira</i> , 2012, 47, 1428-1435.	0.9	7
59	Salt stress tolerance in cowpea is poorly related to the ability to cope with oxidative stress. <i>Acta Botanica Croatica</i> , 2014, 73, 78-89.	0.3	6
60	PHYSIOLOGICAL RESPONSES OF THREE WOODY SPECIES SEEDLINGS UNDER WATER STRESS, IN SOIL WITH AND WITHOUT ORGANIC MATTER. <i>Revista Arvore</i> , 2016, 40, 455-464.	0.5	6
61	Produção de matéria seca e trocas gasosas em cultivares de mamoneira sob níveis de irrigação. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2011, 15, 1168-1174.	0.4	6
62	Influence of salinity on the development of the banana colonised by arbuscular mycorrhizal fungi. <i>Revista Ciencia Agronomica</i> , 2016, 47, 421-428.	0.1	6
63	Crescimento e extração de micronutrientes em abacaxizeiro 'vitória'. <i>Revista Brasileira De Fruticultura</i> , 2011, 33, 706-712.	0.2	5
64	Análise econômica do processo de recuperação de um solo ácido no Perímetro Irrigado Curu-Pentecoste, CE. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2011, 15, 377-382.	0.4	5
65	Salinização do solo e desenvolvimento de meloeiro com a aplicação de resíduo de caranguejo. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2011, 15, 359-364.	0.4	5
66	Crescimento, nutrição e produção da bananeira associados a plantas de cobertura e lâminas de irrigação. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2013, 17, 1271-1277.	0.4	5
67	Production and economic viability of banana managed with cover crops. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2016, 20, 1078-1082.	0.4	5
68	Saline water, nitrogen and phosphorus on water relations and physiological aspects of West Indian cherry. <i>Comunicata Scientiae</i> , 2018, 9, 430-437.	0.4	5
69	Ion accumulation in young plants of the 'green dwarf' coconut under water and salt stress. <i>Revista Ciencia Agronomica</i> , 2018, 49, .	0.1	5
70	Monitoring soil coverage and yield of cowpea furrow irrigated with saline water. <i>Revista Ciencia Agronomica</i> , 2010, 41, .	0.1	5
71	Quantifying Nutrient Content in the Leaves of Cowpea Using Remote Sensing. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 458.	1.3	5
72	Fruit size and quality of pineapples cv. Vitória in response to micronutrient doses and way of application and to soil covers. <i>Revista Brasileira De Fruticultura</i> , 2011, 33, 505-510.	0.2	4

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73	Micronutrients affecting leaf biochemical responses during pineapple development. <i>Theoretical and Experimental Plant Physiology</i> , 2013, 25, 70-78.	1.1	4
74	Influência da matéria orgânica e do ambiente no crescimento e acúmulo de solutos em <i>Morinda citrifolia</i> submetida à salinidade. <i>Revista Brasileira De Fruticultura</i> , 2014, 36, 704-712.	0.2	4
75	ESTABLISHMENT OF YOUNG DWARF GREEN COCONUT PLANTS IN SOIL AFFECTED BY SALTS AND UNDER WATER DEFICIT. <i>Revista Brasileira De Fruticultura</i> , 2016, 38, .	0.2	4
76	Aspectos socioambientais e qualidade da água de dessalinizadores nas comunidades rurais de Pentecoste-CE. <i>Revista Ambiente & Água</i> , 2017, 12, 124.	0.1	4
77	Uses and losses of nitrogen by maize and cotton plants under salt stress. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 1119-1133.	1.3	4
78	Organic solutes in coconut palm seedlings under water and salt stresses. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2016, 20, 1002-1007.	0.4	4
79	Growth index in massai grass under different levels of nitrogen fertilization. <i>Revista Brasileira De Zootecnia</i> , 2011, 40, 2666-2672.	0.3	4
80	Variabilidade espaço-temporal da qualidade das águas subterrâneas em área irrigada no semiárido brasileiro. <i>Research, Society and Development</i> , 2020, 9, .	0.0	4
81	Pimenteira ornamental submetida a tratamentos com daminozide em vasos com fibra de coco ou areia. <i>Semina:Ciencias Agrarias</i> , 2013, 34, 3597.	0.1	3
82	Caracterização dos usos das águas subterrâneas no perímetro irrigado do baixo Acaraó - CE. <i>Revista Em Agronegocio E Meio Ambiente</i> , 2020, 13, 601-620.	0.0	3
83	Yield of cotton/cowpea and sunflower/cowpea crop rotation systems during the reclamation process of a saline-sodic soil. <i>Engenharia Agricola</i> , 2014, 34, 867-876.	0.2	3
84	Saline water irrigation managements on growth of ornamental plants. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2017, 21, 739-745.	0.4	3
85	Photosynthetic Responses, Growth, Production, and Tolerance of Traditional Varieties of Cowpea under Salt Stress. <i>Plants</i> , 2022, 11, 1863.	1.6	3
86	Gas exchange in massai grass under five nitrogen fertilization levels during establishment and regrowth. <i>Revista Brasileira De Zootecnia</i> , 2011, 40, 1862-1869.	0.3	2
87	Effect of irrigation water salinity and cutting age on the components of biomass of <i>Echinochloa pyramidalis</i> . <i>Revista Brasileira De Zootecnia</i> , 2012, 41, 550-556.	0.3	2
88	Gas exchange of four woody species under salinity and soil waterlogging. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2017, 21, 670-674.	0.4	2
89	Environmental parameters and tree physiology in two semiarid land use systems in Brazil. <i>Journal of Forestry Research</i> , 2019, 30, 397-407.	1.7	2
90	CARACTERÍSTICAS MORFOFISIOLÓGICAS FOLIARES E ESTADO NUTRICIONAL DE SEIS ESPÉCIES LENHOSAS EM FUNÇÃO DA DISPONIBILIDADE DE ÁGUA NO SOLO. <i>Ciencia Florestal</i> , 2018, 28, 924-936.	0.1	2

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91	Growth, gas exchange and photochemical efficiency of the cowpea bean under salt stress and phosphorus fertilization. <i>Comunicata Scientiae</i> , 2019, 9, 668-679.	0.4	2
92	Saline water on the leaf mineral composition of noni under organic fertilization. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2019, 23, 687-693.	0.4	2
93	Gas exchange in Massai grass fertilized with nitrogen and grazed by sheep. <i>Bioscience Journal</i> , 2020, 36, .	0.4	2
94	Irrigation with Wastewater and K Fertilization Ensure the Yield and Quality of Coloured Cotton in a Semiarid Climate. <i>Agronomy</i> , 2021, 11, 2370.	1.3	2
95	Trocas gasosas de variedades de fava sob condiçÃµes de salinidade da Ãgua de irrigaçÃo. <i>Agrarian</i> , 2021, 14, 61-70.	0.1	1
96	EFFECT OF LEACHING FRACTION DETERMINED BY TWO METHODS ON GROWTH AND YIELD OF MAIZE SUBMITTED TO SALT STRESS. <i>Irriga</i> , 2018, 1, 34-39.	0.2	1
97	Production of <i>Bambusa vulgaris</i> seedlings from rhizomes under brackish water irrigation. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2020, 24, 337-342.	0.4	1
98	EFFECTS OF ARTIFICIAL SHADING AND IRRIGATION WITH BRACKISH WATER ON THE INITIAL DEVELOPMENT OF <i>Anadenanthera colubrina</i> (Vell.) Brenan PLANTS. <i>Revista Arvore</i> , 0, 46, .	0.5	1
99	Light Availability and Salt Stress on Hazel <i>Sterculia</i> Seedlings. <i>Floresta E Ambiente</i> , 2018, 25, .	0.1	0
100	Toxicity indicators and biochemical responses in leaves of 'Tahiti'™ acid lime grafted on ten Citrus rootstocks under salt stress. <i>Theoretical and Experimental Plant Physiology</i> , 0, , 1.	1.1	0
101	ProduçÃo e fisiologia de plantas de cajueiro anÃo precoce sob condiçÃes de sequeiro e irrigado. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2011, 15, 1014-1020.	0.4	0
102	Gas exchange and nutrient content in leaves of physic nut irrigated with wastewater and doses of phosphorus. <i>Semina:Ciencias Agrarias</i> , 2012, 33, 1755-1768.	0.1	0
103	LEAF GAS EXCHANGE AND NUTRIENTS ACCUMULATION IN COWPEA PLANTS UNDER DIFFERENT MANAGEMENT STRATEGIES WITH BRACKISH WATER. <i>Irriga</i> , 2017, 22, 129-139.	0.2	0
104	Efeito da aplicaçÃo de biofertilizante lÃquido no desenvolvimento do sorgo irrigado com Ãgua salobra. <i>CientÃfica</i> , 2018, 46, 380.	0.1	0
105	Water potential, biochemical indicators and yield of sugarcane irrigated with brackish water and leaching. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2020, 24, 312-318.	0.4	0
106	Strategies for the Use of Brackish Water for Crop Production in Northeastern Brazil. , 2021, , 71-99.		0
107	Physiological responses of watercress to brackish waters and different nutrient solution circulation times. <i>Semina:Ciencias Agrarias</i> , 2020, 41, 2555-2570.	0.1	0