

Jose Lavres Junior

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5833391/publications.pdf>

Version: 2024-02-01

97
papers

1,675
citations

279798
23
h-index

395702
33
g-index

105
all docs

105
docs citations

105
times ranked

1734
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term nickel residual effect in field-grown soybeans: nickel-enriched soil acidity amendments promote plant growth and safe soil nickel levels. Archives of Agronomy and Soil Science, 2022, 68, 1586-1600.	2.6	5
2	Modulation of structural carbohydrates, phenol compounds and lignin content in Eucalyptus urophylla cuttings grown under boron, copper and zinc induced-deficiency. New Forests, 2022, 53, 337-352.	1.7	1
3	Potassium supply modulates <i>Eucalyptus</i> leaf water-status under PEG-induced osmotic stress: integrating leaf gas exchange, carbon and nitrogen isotopic composition and plant growth. Tree Physiology, 2022, 42, 59-70.	3.1	2
4	In Situ Analysis of Nickel Uptake from Foliar Application in Pecan Using Instrumental μ XRF Analysis. Journal of Soil Science and Plant Nutrition, 2022, 22, 1-9.	3.4	7
5	Wood production and nutritional and antioxidant status of field-grown Eucalyptus under a differential supply of lime and copper plus zinc. Industrial Crops and Products, 2022, 175, 114192.	5.2	3
6	Fate of nickel in soybean seeds dressed with different forms of nickel. Rhizosphere, 2022, 21, 100464.	3.0	5
7	Role of nodes in accumulation and distribution of cadmium and its relationship with nutrient distribution and photosynthesis in the growth and regrowth of Brachiaria decumbens. Environmental and Experimental Botany, 2022, 195, 104794.	4.2	3
8	Enhancing agronomic efficiency and maize grain yield with Azospirillum brasilense inoculation under Brazilian savannah conditions. European Journal of Agronomy, 2022, 134, 126471.	4.1	14
9	Improving Sustainable Field-Grown Wheat Production With Azospirillum brasilense Under Tropical Conditions: A Potential Tool for Improving Nitrogen Management. Frontiers in Environmental Science, 2022, 10, .	3.3	13
10	Boron deficiency affects ATP hydrolysis of plasma membrane and nutrients uptake in coffee: Consequences for plant growth. Journal of Plant Nutrition, 2022, 45, 2123-2134.	1.9	1
11	3,4-Dimethylpyrazole Phosphate (DMPP) Reduces Nitrogen Leaching in Three Tropical Soils and Improves the Agronomic Efficiency of Nitrogen Fertilizers Applied to Cotton. Journal of Soil Science and Plant Nutrition, 2022, 22, 2520-2533.	3.4	2
12	Comparing soil-to-plant cadmium (Cd) transfer and potential human intake among rice cultivars with different Cd tolerance levels grown in a tropical contaminated soil. Environmental Monitoring and Assessment, 2022, 194, 20.	2.7	2
13	Changes in Tillering, Nutritional Status and Biomass Yield of Panicum maximum Used for Cadmium Phytoextraction. Water, Air, and Soil Pollution, 2022, 233, .	2.4	0
14	Co-Inoculation with Azospirillum brasilense and Bradyrhizobium sp. Enhances Nitrogen Uptake and Yield in Field-Grown Cowpea and Did Not Change N-Fertilizer Recovery. Plants, 2022, 11, 1847.	3.5	4
15	Unraveling the mechanisms controlling Cd accumulation and Cd-tolerance in <i>Brachiaria decumbens</i> and <i>Panicum maximum</i> under summer and winter weather conditions. Physiologia Plantarum, 2021, 173, 20-44.	5.2	8
16	Enhancing potassium content in leaves and stems improves drought tolerance of eucalyptus clones. Physiologia Plantarum, 2021, 172, 552-563.	5.2	35
17	Assessment of selenium spatial distribution using γ -XFR in cowpea (<i>Vigna unguiculata</i> (L.) Walp.) plants: Integration of physiological and biochemical responses. Ecotoxicology and Environmental Safety, 2021, 207, 111216.	6.0	38
18	Urea- Versus Ammonium Nitrate-Based Fertilizers for Green Sugarcane Cultivation. Journal of Soil Science and Plant Nutrition, 2021, 21, 1329-1338.	3.4	5

#	ARTICLE	IF	CITATIONS
19	Partial Substitution of K by Na Alleviates Drought Stress and Increases Water Use Efficiency in Eucalyptus Species Seedlings. <i>Frontiers in Plant Science</i> , 2021, 12, 632342.	3.6	8
20	Moderate swidden agriculture inside dense evergreen ombrophilous forests can sustain soil chemical properties over 10–15 year cycles within the Brazilian Atlantic Forest. <i>Catena</i> , 2021, 200, 105117.	5.0	5
21	Photosynthetic Parameters and Growth of Rice, Lettuce, Sunflower and Tomato in an Entisol as Affected by Soil Acidity and Bioaccumulation of Ba, Cd, Cu, Ni, and Zn. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 81, 91-106.	4.1	2
22	Silicon Amendment Enhances Agronomic Efficiency of Nitrogen Fertilization in Maize and Wheat Crops under Tropical Conditions. <i>Plants</i> , 2021, 10, 1329.	3.5	14
23	Unravelling homeostasis effects of phosphorus and zinc nutrition by leaf photochemistry and metabolic adjustment in cotton plants. <i>Scientific Reports</i> , 2021, 11, 13746.	3.3	18
24	Nitrification inhibitor 3,4-Dimethylpyrazole phosphate improves nitrogen recovery and accumulation in cotton plants by reducing NO ₃ ⁻ leaching under 15N-urea fertilization. <i>Plant and Soil</i> , 2021, 469, 259-272.	3.7	11
25	Leaf 13C and 15N composition shedding light on easing drought stress through partial K substitution by Na in eucalyptus species. <i>Scientific Reports</i> , 2021, 11, 20158.	3.3	2
26	A Poultry Litter-Derived Organomineral Phosphate Fertilizer Has Higher Agronomic Effectiveness Than Conventional Phosphate Fertilizer Applied to Field-Grown Maize and Soybean. <i>Sustainability</i> , 2021, 13, 11635.	3.2	6
27	Nutritional status of Eucalyptus plantation and chemical attributes of a Ferralsol amended with lime and copper plus zinc. <i>Forest Ecology and Management</i> , 2021, 502, 119742.	3.2	4
28	Are Grasses Really Useful for the Phytoremediation of Potentially Toxic Trace Elements? A Review. <i>Frontiers in Plant Science</i> , 2021, 12, 778275.	3.6	22
29	Aluminum-induced toxicity in <i>Urochloa brizantha</i> genotypes: A first glance into root Al-apoplastic and -symplastic compartmentation, Al-translocation and antioxidant performance. <i>Chemosphere</i> , 2020, 243, 125362.	8.2	17
30	Selenium toxicity in upland field-grown rice: Seed physiology responses and nutrient distribution using the ¹¹⁴ XRF technique. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110147.	6.0	26
31	Agricultural crop influences availability of nickel in the rhizosphere; a study on base cation saturations, Ni dosages and crop succession. <i>Rhizosphere</i> , 2020, 13, 100182.	3.0	12
32	Zinc uptake from ZnSO ₄ (aq) and Zn-EDTA (aq) and its root-to-shoot transport in soybean plants (<i>Glycine max</i>) probed by time-resolved in vivo X-ray spectroscopy. <i>Plant Science</i> , 2020, 292, 110370.	3.6	16
33	<i>Coffea arabica</i> seedlings genotypes are tolerant to high induced selenium stress: Evidence from physiological plant responses and antioxidative performance. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 111016.	6.0	8
34	Planting legume cover crop as a strategy to replace synthetic N fertilizer applied for sugarcane production. <i>Industrial Crops and Products</i> , 2020, 156, 112853.	5.2	12
35	A first glance at the micro-ZnO coating of maize (<i>Zea mays</i> L.) seeds: a study of the elemental spatial distribution and Zn speciation analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 3021-3031.	3.0	5
36	Diagnosis and recommendation integrated system and nutritional balance index reveal Cd-induced nutritional disorders in <i>Panicum maximum</i> assayed for Cd phytoextraction. <i>Bioremediation Journal</i> , 2020, 24, 265-282.	2.0	4

#	ARTICLE	IF	CITATIONS
37	Effects of winter and summer conditions on Cd fractionation and bioavailability, bacterial communities and Cd phytoextraction potential of <i>Brachiaria decumbens</i> and <i>Panicum maximum</i> grown in a tropical soil. <i>Science of the Total Environment</i> , 2020, 728, 138885.	8.0	14
38	Potassium fertilization increases hydraulic redistribution and water use efficiency for stemwood production in <i>Eucalyptus grandis</i> plantations. <i>Environmental and Experimental Botany</i> , 2020, 176, 104085.	4.2	23
39	Diagnosing early disorders in <i>Jatropha curcas</i> to calcium, magnesium and sulfur deficiency. <i>Journal of Plant Nutrition</i> , 2020, 43, 1604-1616.	1.9	6
40	Selenium toxicity stress-induced phenotypical, biochemical and physiological responses in rice plants: Characterization of symptoms and plant metabolic adjustment. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110916.	6.0	31
41	A new glance on root-to-shoot in vivo zinc transport and time-dependent physiological effects of ZnSO ₄ and ZnO nanoparticles on plants. <i>Scientific Reports</i> , 2019, 9, 10416.	3.3	51
42	New insights into cadmium stressful-conditions: Role of ethylene on selenium-mediated antioxidant enzymes. <i>Ecotoxicology and Environmental Safety</i> , 2019, 186, 109747.	6.0	36
43	Integrating Biochemical, Morpho-physiological, Nutritional, and Productive Responses to Cd Accumulation in Massai Grass Employed in Phytoremediation. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	10
44	Phosphorus-zinc interactions in cotton: consequences for biomass production and nutrient-use efficiency in photosynthesis. <i>Physiologia Plantarum</i> , 2019, 166, 996-1007.	5.2	31
45	The ideal percentage of K substitution by Na in <i>Eucalyptus</i> seedlings: Evidences from leaf carbon isotopic composition, leaf gas exchanges and plant growth. <i>Plant Physiology and Biochemistry</i> , 2019, 137, 102-112.	5.8	21
46	Could ¹³⁷ Cs remediation be accomplished with stable cesium (CsCl) on tropical soils?. <i>Australian Journal of Crop Science</i> , 2019, , 1777-1785.	0.3	0
47	Investigation into the relationship among Cd bioaccumulation, nutrient composition, ultrastructural changes and antioxidative metabolism in lettuce genotypes under Cd stress. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 578-589.	6.0	34
48	Agronomic effectiveness of a granular poultry litter-derived organomineral phosphate fertilizer in tropical soils: Soil phosphorus fractionation and plant responses. <i>Geoderma</i> , 2019, 337, 582-593.	5.1	41
49	Biochar of Bamboo Influencing the Availability of P From Different Phosphate Sources in Dystrophic Yellow Oxisol of Amazon. <i>Journal of Agricultural Science</i> , 2019, 11, 242.	0.2	0
50	A glimpse into the effect of sulfur supply on metabolite profiling, glutathione and phytochelatin in <i>Panicum maximum</i> cv. Massai exposed to cadmium. <i>Environmental and Experimental Botany</i> , 2018, 151, 76-88.	4.2	33
51	Adequate S supply reduces the damage of high Cd exposure in roots and increases N, S and Mn uptake by Massai grass grown in hydroponics. <i>Environmental and Experimental Botany</i> , 2018, 148, 35-46.	4.2	31
52	Physiological, biochemical, and ultrastructural characterization of selenium toxicity in cowpea plants. <i>Environmental and Experimental Botany</i> , 2018, 150, 172-182.	4.2	92
53	How Does Water-Stressed Corn Respond to Potassium Nutrition? A Shoot-Root Scale Approach Study under Controlled Conditions. <i>Agriculture (Switzerland)</i> , 2018, 8, 180.	3.1	9
54	Aluminum-induced stress differently modifies <i>Urochloa</i> genotypes responses on growth and regrowth: root-to-shoot Al-translocation and oxidative stress. <i>Theoretical and Experimental Plant Physiology</i> , 2018, 30, 141-152.	2.4	17

#	ARTICLE	IF	CITATIONS
55	Depicting the physiological and ultrastructural responses of soybean plants to Al stress conditions. <i>Plant Physiology and Biochemistry</i> , 2018, 130, 377-390.	5.8	26
56	Enzymatic antioxidants “Relevant or not to protect the photosynthetic system against cadmium-induced stress in Massai grass supplied with sulfur?”. <i>Environmental and Experimental Botany</i> , 2018, 155, 702-717.	4.2	17
57	Proper supply of S increases GSH synthesis in the establishment and reduces tiller mortality during the regrowth of Tanzania guinea grass used for Cd phytoextraction. <i>Journal of Soils and Sediments</i> , 2017, 17, 1427-1436.	3.0	26
58	Physiological highlights of manganese toxicity symptoms in soybean plants: Mn toxicity responses. <i>Plant Physiology and Biochemistry</i> , 2017, 113, 6-19.	5.8	112
59	Prognosis of physiological disorders in physic nut to N, P, and K deficiency during initial growth. <i>Plant Physiology and Biochemistry</i> , 2017, 115, 249-258.	5.8	14
60	Zinc concentration affects the functional groups of microbial communities in sugarcane-cultivated soil. <i>Agriculture, Ecosystems and Environment</i> , 2017, 236, 187-197.	5.3	19
61	A glimpse into the symplastic and apoplastic Cd uptake by Massai grass modulated by sulfur nutrition: Plants well-nourished with S as a strategy for phytoextraction. <i>Plant Physiology and Biochemistry</i> , 2017, 121, 48-57.	5.8	21
62	A glimpse into the physiological, biochemical and nutritional status of soybean plants under Ni-stress conditions. <i>Environmental and Experimental Botany</i> , 2017, 144, 76-87.	4.2	54
63	The Proper Supply of S Increases Amino Acid Synthesis and Antioxidant Enzyme Activity in Tanzania Guinea Grass Used for Cd Phytoextraction. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	23
64	The effects of potassium nutrition on water use in field-grown maize (<i>Zea mays</i> L.). <i>Environmental and Experimental Botany</i> , 2017, 134, 62-71.	4.2	57
65	Do the nutrition and physiology of eucalyptus seedlings respond to silicon (Si) supply?. <i>Australian Journal of Crop Science</i> , 2017, 11, 1086-1093.	0.3	1
66	Macronutrients uptake rate and biomass partitioning during early growth of <i>Jatropha</i> plants. <i>Revista Ciencia Agronomica</i> , 2017, 48, .	0.3	4
67	Soybean Seed Treatment with Nickel Improves Biological Nitrogen Fixation and Urease Activity. <i>Frontiers in Environmental Science</i> , 2016, 4, .	3.3	42
68	Nickel Availability in Soil as Influenced by Liming and Its Role in Soybean Nitrogen Metabolism. <i>Frontiers in Plant Science</i> , 2016, 7, 1358.	3.6	40
69	Changes caused by heavy metals in micronutrient content and antioxidant system of forage grasses used for phytoremediation: an overview. <i>Ciencia Rural</i> , 2016, 46, 1368-1375.	0.5	20
70	Biomass yield, macronutrient diagnosis, and nitrogen and calcium uptake during early growth of physic nut. <i>Revista Ciencia Agronomica</i> , 2016, 47, .	0.3	4
71	Nitrogen metabolism in coffee plants in response to nitrogen supply by fertigation. <i>Theoretical and Experimental Plant Physiology</i> , 2015, 27, 41-50.	2.4	7
72	Efeito da aplica��o de biocarv��o, cama de frango e formulado NPK no estado nutricional foliar de laranjeira em terra mulata. <i>Bioscience Journal</i> , 2015, 31, 362-369.	0.4	0

#	ARTICLE	IF	CITATIONS
73	DRIS Norms for Pêra Orange. Communications in Soil Science and Plant Analysis, 2014, 45, 2853-2867.	1.4	11
74	Faixas normais de nutrientes em cana-de-açúcar pelos métodos ChM, DRIS e CND e nível crítico pela distribuição normal reduzida. Revista Brasileira De Ciencia Do Solo, 2013, 37, 1651-1658.	1.3	26
75	Photosynthesis rate, chlorophyll content and initial development of physic nut without micronutrient fertilization. Revista Brasileira De Ciencia Do Solo, 2013, 37, 1334-1342.	1.3	21
76	OPTIMUM RATIO OF CALCIUM AND BORON IN THE NUTRIENT SOLUTION OR IN CASTOR BEAN SHOOT FOR FRUIT YIELD AND SEED OIL CONTENT. Journal of Plant Nutrition, 2012, 35, 413-427.	1.9	1
77	Deficiency symptoms and uptake of micronutrients by castor bean grown in nutrient solution. Revista Brasileira De Ciencia Do Solo, 2012, 36, 233-242.	1.3	4
78	INFLUENCE OF NITROGEN FERTILIZATION ON NICKEL ACCUMULATION AND CHEMICAL COMPOSITION OF COFFEE PLANTS DURING FRUIT DEVELOPMENT. Journal of Plant Nutrition, 2011, 34, 1853-1866.	1.9	11
79	Phosphorus Uptake by Upland Rice From Superphosphate Fertilizers Produced With Sulfuric Acid Treatments of Brazilian Phosphate Rocks. Communications in Soil Science and Plant Analysis, 2011, 42, 1390-1403.	1.4	6
80	Genotypic Influence on the Absorption, Use and Toxicity of Manganese by Soybean. , 2011, , .		2
81	Changes in the ultrastructure of soybean cultivars in response to manganese supply in solution culture. Scientia Agricola, 2010, 67, 287-294.	1.2	25
82	Nitrate reductase activity and spad readings in leaf tissues of guinea grass submitted to nitrogen and potassium rates. Revista Brasileira De Ciencia Do Solo, 2010, 34, 801-809.	1.3	26
83	Changes in anatomy and root cell ultrastructure of soybean genotypes under manganese stress. Revista Brasileira De Ciencia Do Solo, 2009, 33, 395-403.	1.3	17
84	Nitrate reductase and glutamine synthetase activity in coffee leaves during fruit development. Revista Brasileira De Ciencia Do Solo, 2009, 33, 315-324.	1.3	28
85	Photosynthesis, Chlorophylls, and SPAD Readings in Coffee Leaves in Relation to Nitrogen Supply. Communications in Soil Science and Plant Analysis, 2009, 40, 1512-1528.	1.4	35
86	Effects of Molybdenum, Nickel, and Nitrogen Sources on the Mineral Nutrition and Growth of Rice Plants. Communications in Soil Science and Plant Analysis, 2009, 40, 3238-3251.	1.4	12
87	Influência genotípica na absorção e na toxidez de manganês em soja. Revista Brasileira De Ciencia Do Solo, 2008, 32, 173-181.	1.3	11
88	Repartição de nutrientes nas flores, folhas e ramos da laranjeira cultivar Natal. Revista Brasileira De Fruticultura, 2006, 28, 506-511.	0.5	11
89	Diagnose nutricional de nitrogênio no capim-arua em condições controladas. Revista Brasileira De Ciencia Do Solo, 2006, 30, 829-837.	1.3	18
90	Deficiências de macronutrientes no estado nutricional da mamoneira cultivar Iris. Pesquisa Agropecuaria Brasileira, 2005, 40, 145-151.	0.9	22

#	ARTICLE	IF	CITATIONS
91	Acid phosphatase activity and leaf phosphorus content in soybean cultivars. Scientia Agricola, 2004, 61, 439-445.	1.2	14
92	Yield components and morphogenesis of Aruana grass in response to nitrogen supply. Scientia Agricola, 2004, 61, 632-639.	1.2	14
93	Análise de crescimento do capim-marandu submetido a doses de nitrogênio. Revista Brasileira De Zootecnia, 2004, 33, 1985-1991.	0.8	15
94	Perfilhamento, Área foliar e sistema radicular do capim-Mombaça submetido a combinações de doses de nitrogênio e potássio. Revista Brasileira De Zootecnia, 2003, 32, 1068-1075.	0.8	26
95	Comparison of sources with different solubilities for Mn supply and retranslocation along with soybean development. Journal of Plant Nutrition, 0, , 1-16.	1.9	1
96	Proline Exogenously Supplied or Endogenously Overproduced Induces Different Nutritional, Metabolic, and Antioxidative Responses in Transgenic Tobacco Exposed to Cadmium. Journal of Plant Growth Regulation, 0, , 1.	5.1	8
97	Sulfur Supply Attenuate Cd Damage on Photosynthetic Apparatus of Massai Grass Used For Phytoextraction. , 0, , .		0