

Jose Lavres Junior

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

1,675
citations

279487

23
h-index

395343

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. <i>Archives of Agronomy and Soil Science</i> , 2022, 68, 1586-1600.	1.3	5
2	Modulation of structural carbohydrates, phenol compounds and lignin content in <i>Eucalyptus urophylla</i> cuttings grown under boron, copper and zinc induced-deficiency. <i>New Forests</i> , 2022, 53, 337-352.	0.7	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. <i>Tree Physiology</i> , 2022, 42, 59-70.	1.4	2
4	In Situ Analysis of Nickel Uptake from Foliar Application in Pecan Using Instrumental μ XRF Analysis. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1-9.	1.7	7
5	Wood production and nutritional and antioxidant status of field-grown <i>Eucalyptus</i> under a differential supply of lime and copper plus zinc. <i>Industrial Crops and Products</i> , 2022, 175, 114192.	2.5	3
6	Fate of nickel in soybean seeds dressed with different forms of nickel. <i>Rhizosphere</i> , 2022, 21, 100464.	1.4	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 <i>Brachiaria decumbens</i> . <i>Environmental and Experimental Botany</i> , 2022, 195, 104794.	2.0	3
8	Enhancing agronomic efficiency and maize grain yield with <i>Azospirillum brasilense</i> inoculation under Brazilian savannah conditions. <i>European Journal of Agronomy</i> , 2022, 134, 126471.	1.9	14
9	Improving Sustainable Field-Grown Wheat Production With <i>Azospirillum brasilense</i> Under Tropical Conditions: A Potential Tool for Improving Nitrogen Management. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	13
10	Boron deficiency affects ATP hydrolysis of plasma membrane and nutrients uptake in coffee: Consequences for plant growth. <i>Journal of Plant Nutrition</i> , 2022, 45, 2123-2134.	0.9	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. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 2520-2533.	1.7	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. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 20.	1.3	2
13	Changes in Tillering, Nutritional Status and Biomass Yield of <i>Panicum maximum</i> Used for Cadmium Phytoextraction. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	0
14	Co-Inoculation with <i>Azospirillum brasilense</i> and <i>Bradyrhizobium</i> sp. Enhances Nitrogen Uptake and Yield in Field-Grown Cowpea and Did Not Change N-Fertilizer Recovery. <i>Plants</i> , 2022, 11, 1847.	1.6	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. <i>Physiologia Plantarum</i> , 2021, 173, 20-44.	2.6	8
16	Enhancing potassium content in leaves and stems improves drought tolerance of eucalyptus clones. <i>Physiologia Plantarum</i> , 2021, 172, 552-563.	2.6	35
17	Assessment of selenium spatial distribution using μ -XFR in cowpea (<i>Vigna unguiculata</i> (L.) Walp.) plants: Integration of physiological and biochemical responses. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111216.	2.9	38
18	Urea- Versus Ammonium Nitrate-Based Fertilizers for Green Sugarcane Cultivation. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 1329-1338.	1.7	5

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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.	1.7	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.	2.2	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.	2.1	2
22	Silicon Amendment Enhances Agronomic Efficiency of Nitrogen Fertilization in Maize and Wheat Crops under Tropical Conditions. <i>Plants</i> , 2021, 10, 1329.	1.6	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.	1.6	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.	1.8	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.	1.6	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.	1.6	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.	1.4	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.	1.7	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.	4.2	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.	2.9	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.	1.4	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.	1.7	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.	2.9	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.	2.5	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.	1.6	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.	1.0	4

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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.	3.9	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.	2.0	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.	0.9	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.	2.9	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.	1.6	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.	2.9	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.	1.1	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.	2.6	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.	2.8	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.	0.1	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.	2.9	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.	2.3	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.	0.1	0
50	A glimpse into the effect of sulfur supply on metabolite profiling, glutathione and phytochelatins in <i>Panicum maximum</i> cv. Massai exposed to cadmium. <i>Environmental and Experimental Botany</i> , 2018, 151, 76-88.	2.0	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.	2.0	31
52	Physiological, biochemical, and ultrastructural characterization of selenium toxicity in cowpea plants. <i>Environmental and Experimental Botany</i> , 2018, 150, 172-182.	2.0	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.	1.4	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.	1.1	17

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55	Depicting the physiological and ultrastructural responses of soybean plants to Al stress conditions. <i>Plant Physiology and Biochemistry</i> , 2018, 130, 377-390.	2.8	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.	2.0	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.	1.5	26
58	Physiological highlights of manganese toxicity symptoms in soybean plants: Mn toxicity responses. <i>Plant Physiology and Biochemistry</i> , 2017, 113, 6-19.	2.8	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.	2.8	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.	2.5	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.	2.8	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.	2.0	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.	1.1	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.	2.0	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.	0.1	1
66	Macronutrients uptake rate and biomass partitioning during early growth of <i>Jatropha</i> plants. <i>Revista Ciencia Agronomica</i> , 2017, 48, .	0.1	4
67	Soybean Seed Treatment with Nickel Improves Biological Nitrogen Fixation and Urease Activity. <i>Frontiers in Environmental Science</i> , 2016, 4, .	1.5	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.	1.7	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.	0.3	20
70	Biomass yield, macronutrient diagnosis, and nitrogen and calcium uptake during early growth of physic nut. <i>Revista Ciencia Agronomica</i> , 2016, 47, .	0.1	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.	1.1	7
72	Efeito da aplicaçŁo de biocarvŁo, cama de frango e formulado NPK no estado nutricional foliar de laranja em terra mulata. <i>Bioscience Journal</i> , 2015, 31, 362-369.	0.4	0

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73	DRIS Norms for Pêra Orange. Communications in Soil Science and Plant Analysis, 2014, 45, 2853-2867.	0.6	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.	0.5	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.	0.5	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.	0.9	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.	0.5	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.	0.9	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.	0.6	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.	0.6	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.	0.5	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.	0.5	17
84	Nitrate reductase and glutamine synthetase activity in coffee leaves during fruit development. Revista Brasileira De Ciencia Do Solo, 2009, 33, 315-324.	0.5	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.	0.6	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.	0.6	12
87	Influência genotípica na absorção e na toxidez de manganês em soja. Revista Brasileira De Ciencia Do Solo, 2008, 32, 173-181.	0.5	11
88	Repartição de nutrientes nas flores, folhas e ramos da laranjeira cultivar Natal. Revista Brasileira De Fruticultura, 2006, 28, 506-511.	0.2	11
89	Diagnose nutricional de nitrogênio no capim-aruaana em condições controladas. Revista Brasileira De Ciencia Do Solo, 2006, 30, 829-837.	0.5	18
90	Deficiências de macronutrientes no estado nutricional da mamoneira cultivar Iris. Pesquisa Agropecuaria Brasileira, 2005, 40, 145-151.	0.9	22

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91	Acid phosphatase activity and leaf phosphorus content in soybean cultivars. <i>Scientia Agricola</i> , 2004, 61, 439-445.	0.6	14
92	Yield components and morphogenesis of Aruana grass in response to nitrogen supply. <i>Scientia Agricola</i> , 2004, 61, 632-639.	0.6	14
93	Análise de crescimento do capim-marandu submetido a doses de nitrogênio. <i>Revista Brasileira De Zootecnia</i> , 2004, 33, 1985-1991.	0.3	15
94	Perfilhamento, Área foliar e sistema radicular do capim-Mombaça submetido a combinações de doses de nitrogênio e potássio. <i>Revista Brasileira De Zootecnia</i> , 2003, 32, 1068-1075.	0.3	26
95	Comparison of sources with different solubilities for Mn supply and retranslocation along with soybean development. <i>Journal of Plant Nutrition</i> , 0, , 1-16.	0.9	1
96	Proline Exogenously Supplied or Endogenously Overproduced Induces Different Nutritional, Metabolic, and Antioxidative Responses in Transgenic Tobacco Exposed to Cadmium. <i>Journal of Plant Growth Regulation</i> , 0, , 1.	2.8	8
97	Sulfur Supply Attenuate Cd Damage on Photosynthetic Apparatus of Massai Grass Used For Phytoextraction. , 0, , .		0