

Ricardo Antunes Azevedo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1108501/publications.pdf>

Version: 2024-02-01

250
papers

10,979
citations

36203

51
h-index

40881

93
g-index

253
all docs

253
docs citations

253
times ranked

8881
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Making the life of heavy metal-stressed plants a little easier. <i>Functional Plant Biology</i> , 2005, 32, 481. | 1.1 | 933 |
| 2 | Response of antioxidant enzymes to transfer from elevated carbon dioxide to air and ozone fumigation, in the leaves and roots of wild-type and a catalase-deficient mutant of barley. <i>Physiologia Plantarum</i> , 1998, 104, 280-292. | 2.6 | 452 |
| 3 | Antioxidant enzymes responses to cadmium in radish tissues. <i>Phytochemistry</i> , 2001, 57, 701-710. | 1.4 | 362 |
| 4 | Plants facing oxidative challenges—A little help from the antioxidant networks. <i>Environmental and Experimental Botany</i> , 2019, 161, 4-25. | 2.0 | 277 |
| 5 | Nanoparticles applied to plant science: A review. <i>Talanta</i> , 2015, 131, 693-705. | 2.9 | 272 |
| 6 | The aspartic acid metabolic pathway, an exciting and essential pathway in plants. <i>Amino Acids</i> , 2006, 30, 143-162. | 1.2 | 233 |
| 7 | Activity of antioxidant enzymes in response to cadmium in <i>Crotalaria juncea</i> . <i>Plant and Soil</i> , 2002, 239, 123-132. | 1.8 | 213 |
| 8 | Nitrogen use efficiency. 1. Uptake of nitrogen from the soil. <i>Annals of Applied Biology</i> , 2006, 149, 243-247. | 1.3 | 189 |
| 9 | The biosynthesis and metabolism of the aspartate derived amino acids in higher plants. <i>Phytochemistry</i> , 1997, 46, 395-419. | 1.4 | 178 |
| 10 | Effect of 24-epibrassinolide on ROS content, antioxidant system, lipid peroxidation and Ni uptake in <i>Solanum nigrum</i> L. under Ni stress. <i>Environmental and Experimental Botany</i> , 2016, 122, 115-125. | 2.0 | 175 |
| 11 | Acquired tolerance of tomato (<i>Lycopersicon esculentum</i> cv. MicroTom) plants to cadmium-induced stress. <i>Annals of Applied Biology</i> , 2008, 153, 321-333. | 1.3 | 173 |
| 12 | Phytoremediation: green technology for the clean up of toxic metals in the environment. <i>Brazilian Journal of Plant Physiology</i> , 2005, 17, 53-64. | 0.5 | 172 |
| 13 | Antioxidant metabolism of coffee cell suspension cultures in response to cadmium. <i>Chemosphere</i> , 2006, 65, 1330-1337. | 4.2 | 171 |
| 14 | Sulfur Metabolism and Stress Defense Responses in Plants. <i>Tropical Plant Biology</i> , 2015, 8, 60-73. | 1.0 | 165 |
| 15 | Biochemical dissection of diageotropica and Never ripe tomato mutants to Cd-stressful conditions. <i>Plant Physiology and Biochemistry</i> , 2012, 56, 79-96. | 2.8 | 153 |
| 16 | Water stress reveals differential antioxidant responses of tolerant and non-tolerant sugarcane genotypes. <i>Plant Physiology and Biochemistry</i> , 2014, 74, 165-175. | 2.8 | 149 |
| 17 | Antioxidant responses to water deficit by drought-tolerant and -sensitive sugarcane varieties. <i>Annals of Applied Biology</i> , 2012, 161, 313-324. | 1.3 | 145 |
| 18 | Nitrogen use efficiency. 2. Amino acid metabolism. <i>Annals of Applied Biology</i> , 2007, 151, 269-275. | 1.3 | 137 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Differential ultrastructural changes in tomato hormonal mutants exposed to cadmium. <i>Environmental and Experimental Botany</i> , 2009, 67, 387-394. | 2.0 | 137 |
| 20 | Cadmium stress antioxidant responses and root-to-shoot communication in grafted tomato plants. <i>BioMetals</i> , 2015, 28, 803-816. | 1.8 | 136 |
| 21 | Hormesis in plants under Cd exposure: From toxic to beneficial element?. <i>Journal of Hazardous Materials</i> , 2020, 384, 121434. | 6.5 | 131 |
| 22 | Biochemical responses of the ethylene-insensitive Never ripe tomato mutant subjected to cadmium and sodium stresses. <i>Environmental and Experimental Botany</i> , 2011, 71, 306-320. | 2.0 | 128 |
| 23 | Effects of Cadmium on Antioxidant Enzyme Activities in Sugar Cane. <i>Biologia Plantarum</i> , 2002, 45, 91-97. | 1.9 | 126 |
| 24 | The influence of nitrogen supply on antioxidant enzymes in plant roots. <i>Functional Plant Biology</i> , 2004, 31, 1. | 1.1 | 110 |
| 25 | Biochemical and physiological changes in jack bean under mycorrhizal symbiosis growing in soil with increasing Cu concentrations. <i>Environmental and Experimental Botany</i> , 2010, 68, 198-207. | 2.0 | 109 |
| 26 | Ecophysiological responses of water hyacinth exposed to Cr ³⁺ and Cr ⁶⁺ . <i>Environmental and Experimental Botany</i> , 2009, 65, 403-409. | 2.0 | 107 |
| 27 | CHANGES IN ANTIOXIDANT ENZYME ACTIVITIES IN SOYBEAN UNDER CADMIUM STRESS. <i>Journal of Plant Nutrition</i> , 2002, 25, 327-342. | 0.9 | 104 |
| 28 | Nickel elicits a fast antioxidant response in <i>Coffea arabica</i> cells. <i>Plant Physiology and Biochemistry</i> , 2006, 44, 420-429. | 2.8 | 100 |
| 29 | Selenium-induced oxidative stress in coffee cell suspension cultures. <i>Functional Plant Biology</i> , 2007, 34, 449. | 1.1 | 98 |
| 30 | Plant pigments: the many faces of light perception. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 241-248. | 1.0 | 97 |
| 31 | Zn uptake, physiological response and stress attenuation in mycorrhizal jack bean growing in soil with increasing Zn concentrations. <i>Chemosphere</i> , 2009, 75, 1363-1370. | 4.2 | 94 |
| 32 | Use of non-hyperaccumulator plant species for the phytoextraction of heavy metals using chelating agents. <i>Scientia Agricola</i> , 2013, 70, 290-295. | 0.6 | 94 |
| 33 | Cadmium stress related to root-to-shoot communication depends on ethylene and auxin in tomato plants. <i>Environmental and Experimental Botany</i> , 2017, 134, 102-115. | 2.0 | 88 |
| 34 | Biochemical responses of glyphosate resistant and susceptible soybean plants exposed to glyphosate. <i>Acta Physiologiae Plantarum</i> , 2008, 30, 469-479. | 1.0 | 87 |
| 35 | The Role of Phytochrome in Stress Tolerance. <i>Journal of Integrative Plant Biology</i> , 2011, 53, 920-929. | 4.1 | 83 |
| 36 | Lysine metabolism in higher plants. <i>Amino Acids</i> , 2001, 20, 261-279. | 1.2 | 76 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Nitrogen use efficiency. 3. Nitrogen fixation: genes and costs. <i>Annals of Applied Biology</i> , 2009, 155, 1-13. | 1.3 | 74 |
| 38 | Cadmium stress in sugar cane callus cultures: Effect on antioxidant enzymes. <i>Plant Cell, Tissue and Organ Culture</i> , 2002, 71, 125-131. | 1.2 | 71 |
| 39 | Metal Contamination Effects on Sunflower (<i>Helianthus annuus</i> L.) Growth and Protein Expression in Leaves During Development. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 8623-8630. | 2.4 | 71 |
| 40 | Sugarcane Under Pressure: An Overview of Biochemical and Physiological Studies of Abiotic Stress. <i>Tropical Plant Biology</i> , 2011, 4, 42-51. | 1.0 | 71 |
| 41 | What is new in the research on cadmium-induced stress in plants?. <i>Food and Energy Security</i> , 2012, 1, 133-140. | 2.0 | 69 |
| 42 | Regulation of maize lysine metabolism and endosperm protein synthesis by opaque and floury mutations. <i>FEBS Journal</i> , 2003, 270, 4898-4908. | 0.2 | 68 |
| 43 | Cloning, expression, molecular modelling and docking analysis of glutathione transferase from <i>Saccharum officinarum</i> . <i>Annals of Applied Biology</i> , 2011, 159, 267-280. | 1.3 | 65 |
| 44 | Effects of the herbicides acetochlor and metolachlor on antioxidant enzymes in soil bacteria. <i>Process Biochemistry</i> , 2011, 46, 1186-1195. | 1.8 | 64 |
| 45 | Structural Changes in Radish Seedlings Exposed to Cadmium. <i>Biologia Plantarum</i> , 2003, 46, 561-568. | 1.9 | 63 |
| 46 | Metallomics and chemical speciation: towards a better understanding of metal-induced stress in plants. <i>Annals of Applied Biology</i> , 2009, 155, 301-307. | 1.3 | 63 |
| 47 | New insights on proteomics of transgenic soybean seeds: evaluation of differential expressions of enzymes and proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 299-314. | 1.9 | 61 |
| 48 | Ultrastructural changes of radish leaf exposed to cadmium. <i>Environmental and Experimental Botany</i> , 2006, 58, 47-52. | 2.0 | 60 |
| 49 | Abscisic acid-deficient sit tomato mutant responses to cadmium-induced stress. <i>Protoplasma</i> , 2017, 254, 771-783. | 1.0 | 58 |
| 50 | The Enzymology of Lysine Catabolism in Rice Seeds - Isolation, Characterization, and Regulatory Properties of a Lysine 2-Oxoglutarate Reductase/Saccharopine Dehydrogenase Bifunctional Polypeptide. <i>FEBS Journal</i> , 1997, 247, 364-371. | 0.2 | 54 |
| 51 | Temporal dynamic responses of roots in contrasting tomato genotypes to cadmium tolerance. <i>Ecotoxicology</i> , 2018, 27, 245-258. | 1.1 | 53 |
| 52 | High-lysine maize: the key discoveries that have made it possible. <i>Amino Acids</i> , 2010, 39, 979-989. | 1.2 | 52 |
| 53 | Citrus rootstocks regulate the nutritional status and antioxidant system of trees under copper stress. <i>Environmental and Experimental Botany</i> , 2016, 130, 42-52. | 2.0 | 52 |
| 54 | Tropical soils with high aluminum concentrations cause oxidative stress in two tomato genotypes. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 73. | 1.3 | 51 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Differential Gene Expression Between the Biotrophic-Like and Saprotrophic Mycelia of the Witches' Broom Pathogen <i>Monilophthora perniciosa</i> . <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 891-908. | 1.4 | 50 |
| 56 | Aspartate kinase in the maize mutants ASK1-LT19 and OPAQUE-2. <i>Phytochemistry</i> , 1996, 41, 707-712. | 1.4 | 49 |
| 57 | Quality Protein Maize: A Biochemical Study of Enzymes Involved in Lysine Metabolism. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 1268-1275. | 2.4 | 48 |
| 58 | Cadmium and barium toxicity effects on growth and antioxidant capacity of soybean (<i>Glycine</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T Nutrition and Soil Science, 2011, 174, 847-859. | 1.1 | 46 |
| 59 | Estimating tomato tolerance to heavy metal toxicity: cadmium as study case. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27535-27544. | 2.7 | 46 |
| 60 | Growth inhibition of the filamentous fungus <i>Aspergillus nidulans</i> by cadmium: an antioxidant enzyme approach. <i>Journal of General and Applied Microbiology</i> , 2003, 49, 63-73. | 0.4 | 44 |
| 61 | In Vitro Production of Biotrophic-Like Cultures of <i>Crinipellis perniciosa</i> , the Causal Agent of Witches' Broom Disease of <i>Theobroma cacao</i> . <i>Current Microbiology</i> , 2006, 52, 191-196. | 1.0 | 43 |
| 62 | Antioxidant response of <i>Nicotiana tabacum</i> cv. Bright Yellow 2 cells to cadmium and nickel stress. <i>Plant Cell, Tissue and Organ Culture</i> , 2008, 94, 73-83. | 1.2 | 43 |
| 63 | Comparative studies focusing on transgenic through cp4EPS gene and non-transgenic soybean plants: An analysis of protein species and enzymes. <i>Journal of Proteomics</i> , 2013, 93, 107-116. | 1.2 | 43 |
| 64 | Functional analysis of oxidative burst in sugarcane smut-resistant and -susceptible genotypes. <i>Planta</i> , 2017, 245, 749-764. | 1.6 | 43 |
| 65 | Biochemical genetics of the interaction of the lysine plus threonine resistant mutant Ltr ⁻¹ with opaque-2 maize mutant. <i>Plant Science</i> , 1990, 70, 81-90. | 1.7 | 42 |
| 66 | Chlorophyll a fluorescence and ultrastructural changes in chloroplast of water hyacinth as indicators of environmental stress. <i>Environmental and Experimental Botany</i> , 2008, 64, 307-313. | 2.0 | 42 |
| 67 | Two-dimensional difference gel electrophoresis applied for analytical proteomics: fundamentals and applications to the study of plant proteomics. <i>Analyst, The</i> , 2011, 136, 4119. | 1.7 | 42 |
| 68 | Three aspartate kinase isoenzymes from maize. <i>Phytochemistry</i> , 1992, 31, 3725-3730. | 1.4 | 40 |
| 69 | Structure and regulation of the bifunctional enzyme lysine-oxoglutarate reductase-saccharopine dehydrogenase in maize. <i>FEBS Journal</i> , 1998, 253, 720-729. | 0.2 | 40 |
| 70 | Nutritional status and root morphology of tomato under Cd-induced stress: Comparing contrasting genotypes for metal-tolerance. <i>Scientia Horticulturae</i> , 2019, 246, 518-527. | 1.7 | 40 |
| 71 | Genetic control of lysine metabolism in maize endosperm mutants. <i>Functional Plant Biology</i> , 2004, 31, 339. | 1.1 | 39 |
| 72 | <i>Burkholderia</i> sp. <i>SCMS54</i> reduces cadmium toxicity and promotes growth in tomato. <i>Annals of Applied Biology</i> , 2013, 163, 494-507. | 1.3 | 39 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Oxidative stress induced by Cu nutritional disorders in Citrus depends on nitrogen and calcium availability. <i>Scientific Reports</i> , 2018, 8, 1641. | 1.6 | 39 |
| 74 | Differential Responses of the Antioxidant System of Ametryn and Clomazone Tolerant Bacteria. <i>PLoS ONE</i> , 2014, 9, e112271. | 1.1 | 39 |
| 75 | Are high-lysine cereal crops still a challenge?. <i>Brazilian Journal of Medical and Biological Research</i> , 2005, 38, 985-994. | 0.7 | 38 |
| 76 | Soybean leghemoglobin targeted to potato chloroplasts influences growth and development of transgenic plants. <i>Plant Cell Reports</i> , 2000, 19, 961-965. | 2.8 | 37 |
| 77 | Regulation of Lysine Metabolism and Endosperm Protein Synthesis by the Opaque-5 and Opaque-7 Maize Mutations. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 4865-4871. | 2.4 | 37 |
| 78 | Simple procedure for nutrient analysis of coffee plant with energy dispersive X-ray fluorescence spectrometry (EDXRF). <i>Scientia Agricola</i> , 2013, 70, 263-267. | 0.6 | 37 |
| 79 | Aspartate kinase regulation in maize: Evidence for co-purification of threonine-sensitive aspartate kinase and homoserine dehydrogenase. <i>Phytochemistry</i> , 1992, 31, 3731-3734. | 1.4 | 36 |
| 80 | Seed priming with hormones does not alleviate induced oxidative stress in maize seedlings subjected to salt stress. <i>Scientia Agricola</i> , 2011, 68, 598-602. | 0.6 | 36 |
| 81 | 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 |
| 82 | Influence of nitrate - ammonium ratio on the growth, nutrition, and metabolism of sugarcane. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 246-255. | 2.8 | 36 |
| 83 | Coffee is highly tolerant to cadmium, nickel and zinc: Plant and soil nutritional status, metal distribution and bean yield. <i>Field Crops Research</i> , 2012, 125, 25-34. | 2.3 | 35 |
| 84 | Analysis of the aspartic acid metabolic pathway using mutant genes. <i>Amino Acids</i> , 2002, 22, 217-230. | 1.2 | 34 |
| 85 | Mechanisms of Tolerance and High Degradation Capacity of the Herbicide Mesotrione by <i>Escherichia coli</i> Strain DH5- λ . <i>PLoS ONE</i> , 2014, 9, e99960. | 1.1 | 34 |
| 86 | 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 |
| 87 | Mechanisms of copper stress alleviation in Citrus trees after metal uptake by leaves or roots. <i>Environmental Science and Pollution Research</i> , 2018, 25, 13134-13146. | 2.7 | 33 |
| 88 | Cadmium exposure triggers genotype-dependent changes in seed vigor and germination of tomato offspring. <i>Protoplasma</i> , 2018, 255, 989-999. | 1.0 | 33 |
| 89 | Genetic variability and chromosome-length polymorphisms of the witches' broom pathogen <i>Crinipellis pernicioso</i> from various plant hosts in South America. <i>Mycological Research</i> , 2006, 110, 821-832. | 2.5 | 31 |
| 90 | Antioxidant enzymes activities of <i>Burkholderia</i> spp. strains "oxidative responses to Ni toxicity. <i>Environmental Science and Pollution Research</i> , 2015, 22, 19922-19932. | 2.7 | 31 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | New insights about cadmium impacts on tomato: Plant acclimation, nutritional changes, fruit quality and yield. <i>Food and Energy Security</i> , 2018, 7, e00131. | 2.0 | 31 |
| 92 | Dealing with abiotic stresses: an integrative view of how phytohormones control abiotic stress-induced oxidative stress. <i>Theoretical and Experimental Plant Physiology</i> , 2017, 29, 109-127. | 1.1 | 30 |
| 93 | Relationship between Mg, B and Mn status and tomato tolerance against Cd toxicity. <i>Journal of Environmental Management</i> , 2019, 240, 84-92. | 3.8 | 30 |
| 94 | Biochemical and histological characterization of tomato mutants. <i>Anais Da Academia Brasileira De Ciencias</i> , 2012, 84, 573-585. | 0.3 | 29 |
| 95 | Towards soil management with Zn and Mn: estimates of fertilisation efficacy of <i>Citrus</i> trees. <i>Annals of Applied Biology</i> , 2015, 166, 484-495. | 1.3 | 29 |
| 96 | Cadmium Application in Tomato: Nutritional Imbalance and Oxidative Stress. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1. | 1.1 | 28 |
| 97 | Targeting of the soybean leghemoglobin to tobacco chloroplasts: effects on aerobic metabolism in transgenic plants. <i>Plant Science</i> , 2000, 155, 193-202. | 1.7 | 27 |
| 98 | Mechanisms of cadmium-stress avoidance by selenium in tomato plants. <i>Ecotoxicology</i> , 2020, 29, 594-606. | 1.1 | 27 |
| 99 | Is seaweed extract an elicitor compound? Changing proline content in drought-stressed bean plants. <i>Communicata Scientiae</i> , 2018, 9, 292-297. | 0.4 | 27 |
| 100 | Diallel analysis of maize lines with contrasting responses to applied nitrogen. <i>Journal of Agricultural Science</i> , 2004, 142, 535-541. | 0.6 | 26 |
| 101 | Selection of microorganisms degrading S-Metolachlor herbicide. <i>Brazilian Archives of Biology and Technology</i> , 2007, 50, 153-159. | 0.5 | 26 |
| 102 | What about keeping plants well watered?. <i>Environmental and Experimental Botany</i> , 2014, 99, 38-42. | 2.0 | 26 |
| 103 | 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 |
| 104 | Evaluation of silicon influence on the mitigation of cadmium-stress in the development of <i>Arabidopsis thaliana</i> through total metal content, proteomic and enzymatic approaches. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 44, 50-58. | 1.5 | 26 |
| 105 | Cadmium toxicity and its relationship with disturbances in the cytoskeleton, cell cycle and chromosome stability. <i>Ecotoxicology</i> , 2019, 28, 1046-1055. | 1.1 | 26 |
| 106 | Cadmium-induced transgenerational effects on tomato plants: A gift from parents to progenies. <i>Science of the Total Environment</i> , 2021, 789, 147885. | 3.9 | 26 |
| 107 | <i>Burkholderia</i> sp. SCMS54 Triggers a Global Stress Defense in Tomato Enhancing Cadmium Tolerance. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1. | 1.1 | 25 |
| 108 | Novel Insights Into the Early Stages of Ratoon Stunting Disease of Sugarcane Inferred from Transcript and Protein Analysis. <i>Phytopathology</i> , 2018, 108, 1455-1466. | 1.1 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Response of <i>Crotalaria juncea</i> to nickel exposure. <i>Brazilian Journal of Plant Physiology</i> , 2005, 17, 267-272. | 0.5 | 24 |
| 110 | Stomatal conductance of maize under water and nitrogen deficits. <i>Pesquisa Agropecuaria Brasileira</i> , 2007, 42, 599-601. | 0.9 | 24 |
| 111 | Antioxidant isoenzyme responses to nickel-induced stress in tobacco cell suspension culture. <i>Scientia Agricola</i> , 2008, 65, 548-552. | 0.6 | 24 |
| 112 | Automatic controller to water plants. <i>Scientia Agricola</i> , 2010, 67, 727-730. | 0.6 | 24 |
| 113 | Research on abiotic and biotic stress - what next?. <i>Annals of Applied Biology</i> , 2011, 159, 317-319. | 1.3 | 24 |
| 114 | Cadmium toxicity degree on tomato development is associated with disbalances in B and Mn status at early stages of plant exposure. <i>Ecotoxicology</i> , 2018, 27, 1293-1302. | 1.1 | 24 |
| 115 | The sweet side of misbalanced nutrients in cadmium-stressed plants. <i>Annals of Applied Biology</i> , 2020, 176, 275-284. | 1.3 | 24 |
| 116 | The possible role of extra magnesium and nitrogen supply to alleviate stress caused by high irradiation and temperature in lemon trees. <i>Plant and Soil</i> , 2020, 457, 57-70. | 1.8 | 24 |
| 117 | Degradation of lysine in rice seeds: Effect of calcium, ionic strength, S-adenosylmethionine and S-2-aminoethyl-L-cysteine on the lysine 2-oxoglutarate reductase-saccharopine dehydrogenase bifunctional enzyme. <i>Physiologia Plantarum</i> , 2000, 110, 164-171. | 2.6 | 23 |
| 118 | Antioxidant metabolism in coffee (<i>Coffea arabica</i> L.) plants in response to nitrogen supply. <i>Theoretical and Experimental Plant Physiology</i> , 2015, 27, 203-213. | 1.1 | 23 |
| 119 | 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 |
| 120 | Development of a qPCR for <i>Leifsonia xyli</i> subsp. <i>xyli</i> and quantification of the effects of heat treatment of sugarcane cuttings on Lxx. <i>Crop Protection</i> , 2016, 80, 51-55. | 1.0 | 22 |
| 121 | Dry Priming of Maize Seeds Reduces Aluminum Stress. <i>PLoS ONE</i> , 2015, 10, e0145742. | 1.1 | 22 |
| 122 | Genetic divergence is not the same as phenotypic divergence. <i>Molecular Breeding</i> , 2011, 28, 277-280. | 1.0 | 21 |
| 123 | Leaf senescence in tomato mutants as affected by irradiance and phytohormones. <i>Biologia Plantarum</i> , 2013, 57, 749-757. | 1.9 | 21 |
| 124 | Hull-less Barley Varieties: Storage Proteins and Amino Acid Distribution in Relation to Nutritional Quality. <i>Food Biotechnology</i> , 2004, 18, 327-341. | 0.6 | 19 |
| 125 | <i>Bacillus megaterium</i> strains derived from water and soil exhibit differential responses to the herbicide mesotrione. <i>PLoS ONE</i> , 2018, 13, e0196166. | 1.1 | 19 |
| 126 | The Isolation of Antioxidant Enzymes from Mature Tomato (cv. Micro-Tom) Plants. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 1608-1610. | 0.5 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Isolation, partial purification and characterization of isoenzymes of aspartate kinase from rice seeds. <i>Journal of Plant Physiology</i> , 1998, 153, 281-289. | 1.6 | 18 |
| 128 | Lysine and threonine biosynthesis in sorghum seeds: characterisation of aspartate kinase and homoserine dehydrogenase isoenzymes. <i>Annals of Applied Biology</i> , 2006, 149, 77-86. | 1.3 | 18 |
| 129 | Antioxidant enzyme activity and hydrogen peroxide content during the drying of Arabica coffee beans. <i>European Food Research and Technology</i> , 2013, 236, 753-758. | 1.6 | 18 |
| 130 | Assessment of the ozone tolerance of two soybean cultivars (<i>Glycine max</i> cv. Sambaíba and Tracajá) cultivated in Amazonian areas. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10514-10524. | 2.7 | 18 |
| 131 | GST activity and membrane lipid saturation prevents mesotrione-induced cellular damage in <i>Pantoea ananatis</i> . <i>AMB Express</i> , 2016, 6, 70. | 1.4 | 18 |
| 132 | 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 |
| 133 | Lysine catabolism: flow, metabolic role and regulation. <i>Brazilian Journal of Plant Physiology</i> , 2003, 15, 9-18. | 0.5 | 18 |
| 134 | Glutamine Synthetase Activity, Relative Water Content and Water Potential in Maize Submitted to Drought. <i>Biologia Plantarum</i> , 2003, 46, 301-304. | 1.9 | 17 |
| 135 | Enhanced transpiration rate in the <i>high pigment 1</i> tomato mutant and its physiological significance. <i>Plant Biology</i> , 2011, 13, 546-550. | 1.8 | 17 |
| 136 | Oxidative processes during 'Golden' papaya fruit ripening. <i>Brazilian Journal of Plant Physiology</i> , 2012, 24, 85-94. | 0.5 | 17 |
| 137 | The Ig V H complementarity-determining region 3-containing Rb9 peptide, inhibits melanoma cells migration and invasion by interactions with Hsp90 and an adhesion G-protein coupled receptor. <i>Peptides</i> , 2016, 85, 1-15. | 1.2 | 17 |
| 138 | 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 |
| 139 | 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 |
| 140 | Quantitative proteomic analysis of tomato genotypes with differential cadmium tolerance. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26039-26051. | 2.7 | 17 |
| 141 | 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 |
| 142 | Identification of Maize Lines with Contrasting Responses to Applied Nitrogen. <i>Journal of Plant Nutrition</i> , 2005, 28, 903-915. | 0.9 | 16 |
| 143 | The antioxidant response of the liver of male Swiss mice raised on a AIN 93 or commercial diet. <i>BMC Physiology</i> , 2013, 13, 3. | 3.6 | 16 |
| 144 | Rapid screening for selection of heavy metal-tolerant plants. <i>Crop Breeding and Applied Biotechnology</i> , 2014, 14, 1-7. | 0.1 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Lysine metabolism in antisense C-hordein barley grains. <i>Plant Physiology and Biochemistry</i> , 2015, 87, 73-83. | 2.8 | 16 |
| 146 | Cadmium effects on plant reproductive organs: Physiological, productive, evolutionary and ecological aspects. <i>Annals of Applied Biology</i> , 2021, 178, 227-243. | 1.3 | 16 |
| 147 | Enzymes of lysine metabolism from <i>Coix lacryma-jobi</i> seeds. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 25-32. | 2.8 | 15 |
| 148 | Evaluation of biochemical and serological methods to identify and clustering yeast cells of oral <i>Candida</i> species by CHROMagar test, SDS-PAGE and ELISA. <i>Brazilian Journal of Biology</i> , 2004, 64, 317-326. | 0.4 | 15 |
| 149 | Lysine biosynthesis and nitrogen metabolism in quinoa (<i>Chenopodium quinoa</i>): Study of enzymes and nitrogen-containing compounds. <i>Plant Physiology and Biochemistry</i> , 2008, 46, 11-18. | 2.8 | 15 |
| 150 | Physiological effects of glyphosate over amino acid profile in conventional and transgenic soybean (<i>Glycine max</i>). <i>Pesticide Biochemistry and Physiology</i> , 2012, 102, 134-141. | 1.6 | 15 |
| 151 | Lysine metabolism and amino acid profile in maize grains from plants subjected to cadmium exposure. <i>Scientia Agricola</i> , 2020, 77, . | 0.6 | 15 |
| 152 | Effects of calcium, S-adenosylmethionine, S-(2-aminoethyl)-l-cysteine, methionine, valine and salt concentration on rice aspartate kinase isoenzymes. <i>Plant Science</i> , 2000, 150, 51-58. | 1.7 | 14 |
| 153 | RESPONSE OF RICE INBRED LINES TO CADMIUM EXPOSURE. <i>Journal of Plant Nutrition</i> , 2002, 25, 927-944. | 0.9 | 14 |
| 154 | Isolation of the bifunctional enzyme lysine 2-oxoglutarate reductase-saccharopine dehydrogenase from <i>Phaseolus vulgaris</i> . <i>Amino Acids</i> , 2003, 24, 179-186. | 1.2 | 14 |
| 155 | Isolation and Characterization of Enzymes Involved in Lysine Catabolism from Sorghum Seeds. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1791-1798. | 2.4 | 13 |
| 156 | Effect of the opaque and flourey mutations on the accumulation of dry matter and protein fractions in maize endosperm. <i>Plant Physiology and Biochemistry</i> , 2005, 43, 549-556. | 2.8 | 13 |
| 157 | Nutritional Quality of Sorghum Seeds: Storage Proteins and Amino Acids. <i>Food Biotechnology</i> , 2008, 22, 377-397. | 0.6 | 13 |
| 158 | Evaluation of protein extraction methods for enhanced proteomic analysis of tomato leaves and roots. <i>Anais Da Academia Brasileira De Ciencias</i> , 2015, 87, 1853-1863. | 0.3 | 13 |
| 159 | Metabolic Interference of sod gene mutations on catalase activity in <i>Escherichia coli</i> exposed to Gramoxone® (paraquat) herbicide. <i>Ecotoxicology and Environmental Safety</i> , 2017, 139, 89-96. | 2.9 | 13 |
| 160 | Protein, Phytate and Minerals in Grains of Commercial Cowpea Genotypes. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20180484. | 0.3 | 13 |
| 161 | Tolerância diferencial de variedades de cana-de-açúcar a estresse por herbicidas. <i>Bragantia</i> , 2010, 69, 395-404. | 1.3 | 13 |
| 162 | Aspartate kinase regulation in maize: Regulation by calcium and calmodulin. <i>Phytochemistry</i> , 1992, 31, 3735-3737. | 1.4 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Dominant and Recessive Mutations Conferring Resistance to S-2-aminoethyl-L-cysteine in Maize. <i>Journal of Plant Physiology</i> , 1995, 145, 321-326. | 1.6 | 12 |
| 164 | Variation in the Amino Acid Concentration During Development of <i>Canavalia ensiformes</i> . <i>Biologia Plantarum</i> , 2004, 48, 309-312. | 1.9 | 12 |
| 165 | Proteomic analysis of mature barley grains from C-hordein antisense lines. <i>Phytochemistry</i> , 2016, 125, 14-26. | 1.4 | 12 |
| 166 | Physiological and biochemical responses of <i>Dolichos lablab</i> L. to cadmium support its potential as a cadmium phytoremediator. <i>Journal of Soils and Sediments</i> , 2017, 17, 1413-1426. | 1.5 | 12 |
| 167 | Luxurious Nitrogen Fertilization of Two Sugar Cane Genotypes Contrasting for Lignin Composition Causes Changes in the Stem Proteome Related to Carbon, Nitrogen, and Oxidant Metabolism but Does Not Alter Lignin Content. <i>Journal of Proteome Research</i> , 2017, 16, 3688-3703. | 1.8 | 12 |
| 168 | NO ₃ ⁻ /NH ₄ ⁺ proportions affect cadmium bioaccumulation and tolerance of tomato. <i>Environmental Science and Pollution Research</i> , 2018, 25, 13916-13928. | 2.7 | 12 |
| 169 | Allantoin has a limited role as nitrogen source in cultured coffee cells. <i>Journal of Plant Physiology</i> , 2007, 164, 544-552. | 1.6 | 11 |
| 170 | Antioxidant enzyme activity in <i>Acidithiobacillus ferrooxidans</i> LR maintained in contact with chalcopyrite. <i>Process Biochemistry</i> , 2010, 45, 914-918. | 1.8 | 11 |
| 171 | Tropical soils cultivated with tomato: fractionation and speciation of Al. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 160. | 1.3 | 11 |
| 172 | Antioxidant Defense Response in Plants to Cadmium Stress. , 2019, , 423-461. | | 11 |
| 173 | There is plenty of room at the plant science: A review of nanoparticles applied to plant cultures. <i>Annals of Applied Biology</i> , 2021, 178, 149-168. | 1.3 | 11 |
| 174 | Seed priming with seaweed extract mitigate heat stress in spinach: effect on germination, seedling growth and antioxidant capacity. <i>Bragantia</i> , 2020, 79, 502-511. | 1.3 | 11 |
| 175 | Growth and ion uptake in <i>Annona muricata</i> and <i>A. squamosa</i> subjected to salt stress. <i>Biologia Plantarum</i> , 2005, 49, 285-288. | 1.9 | 10 |
| 176 | Dihydrodipicolinate synthase in opaque and floury maize mutants. <i>Plant Science</i> , 2007, 173, 458-467. | 1.7 | 10 |
| 177 | Amino Acid Synthesis in Plastids. <i>Advances in Photosynthesis and Respiration</i> , 2007, , 355-385. | 1.0 | 10 |
| 178 | Does nitrogen uptake affect nitrogen uptake efficiency, or vice versa?. <i>Acta Physiologiae Plantarum</i> , 2008, 30, 419-420. | 1.0 | 10 |
| 179 | Foliar application of 24-epibrassinolide improves <i>Solanum nigrum</i> L. tolerance to high levels of Zn without affecting its remediation potential. <i>Chemosphere</i> , 2020, 244, 125579. | 4.2 | 10 |
| 180 | Transgenerational hormesis: What do parents sacrifice for their offspring?. <i>Current Opinion in Environmental Science and Health</i> , 2022, 29, 100380. | 2.1 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Manipulação de cereais para acúmulo de lisina em sementes. <i>Scientia Agricola</i> , 2001, 58, 205-211. | 0.6 | 9 |
| 182 | Efeitos de tratamentos fúngicos aplicados sobre frutas cítricas armazenadas sob refrigeração. <i>Ciencia Rural</i> , 2006, 36, 1388-1396. | 0.3 | 9 |
| 183 | Ecophysiological adaptation and metal accumulation in water hyacinth from two tropical rivers. <i>Brazilian Journal of Plant Physiology</i> , 2010, 22, 49-59. | 0.5 | 9 |
| 184 | Structural and ecophysiological alterations of the water hyacinth [<i>Eichhornia crassipes</i> (Mart.) Solms] due to anthropogenic stress in Brazilian rivers. <i>Brazilian Archives of Biology and Technology</i> , 2011, 54, 1059-1068. | 0.5 | 9 |
| 185 | Protective effect of Mn(III)-desferrioxamine B upon oxidative stress caused by ozone and acid rain in the Brazilian soybean cultivar <i>Glycine max</i> 'Sambaíba'. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5315-5324. | 2.7 | 9 |
| 186 | Automatically controlled deficit irrigation of lettuce in organic potponics. <i>Scientia Agricola</i> , 2018, 75, 52-59. | 0.6 | 9 |
| 187 | Maize plants have different strategies to protect their developing seeds against cadmium toxicity. <i>Theoretical and Experimental Plant Physiology</i> , 2020, 32, 203-211. | 1.1 | 9 |
| 188 | Sequential path analysis: what does "sequential" mean?. <i>Scientia Agricola</i> , 2014, 71, 525-527. | 0.6 | 9 |
| 189 | Distribution of soluble amino acids in maize endosperm mutants. <i>Scientia Agricola</i> , 2003, 60, 91-96. | 0.6 | 8 |
| 190 | Saccharopine Dehydrogenase Activity in the High-Lysine Opaque and Flourey Maize Mutants. <i>Food Biotechnology</i> , 2006, 20, 55-64. | 0.6 | 8 |
| 191 | A role for ferritin in the antioxidant system in coffee cell cultures. <i>BioMetals</i> , 2011, 24, 225-237. | 1.8 | 8 |
| 192 | Storage elicits a fast antioxidant enzyme activity in <i>Araucaria angustifolia</i> embryos. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1. | 1.0 | 8 |
| 193 | Soluble amino acid profile, mineral nutrient and carbohydrate content of maize kernels harvested from plants submitted to ascorbic acid seed priming. <i>Anais Da Academia Brasileira De Ciencias</i> , 2017, 89, 695-704. | 0.3 | 8 |
| 194 | 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 |
| 195 | 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 |
| 196 | Improved procedures for extraction of lysine 2-oxoglutarate reductase/saccharopine dehydrogenase (LOR/SDH) enzyme from <i>Phaseolus vulgaris</i> cultivars. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2003, 31, 261-268. | 0.7 | 7 |
| 197 | Site of nitrate reduction in Jack bean (<i>Canavalia ensiformis</i>) changes from leaf to root during development. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2006, 34, 131-137. | 0.7 | 7 |
| 198 | Variation in the enzyme activity and gene expression of myo-inositol-3-phosphate synthase and phytate accumulation during seed development in common bean (<i>Phaseolus vulgaris</i> L.). <i>Acta Physiologiae Plantarum</i> , 2007, 29, 265-271. | 1.0 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Temporal dynamics of the response to Al stress in <i>Eucalyptus grandis</i> – <i>Eucalyptus camaldulensis</i> . <i>Anais Da Academia Brasileira De Ciencias</i> , 2015, 87, 1063-1070. | 0.3 | 7 |
| 200 | Characterization of genes responsive to osmotic and oxidative stresses of the sugarcane bacterial pathogen <i>Leifsonia xyli</i> subsp. <i>xyli</i> . <i>Brazilian Journal of Microbiology</i> , 2020, 51, 77-86. | 0.8 | 7 |
| 201 | Professor Simon Leather, <scp>Editor-in-Chief</scp>, <scp><i>Annals of Applied Biology</i></scp> 2015–2020. <i>Annals of Applied Biology</i> , 2020, 177, 280-281. | 1.3 | 7 |
| 202 | Comparative phosphoproteomic analysis of tomato genotypes with contrasting cadmium tolerance. <i>Plant Cell Reports</i> , 2021, 40, 2001-2008. | 2.8 | 7 |
| 203 | Inibiç o da a o do etileno retarda o desenvolvimento de inj rias de frio em tangor 'Murcott'. <i>Ciencia Rural</i> , 2010, 40, 1530-1536. | 0.3 | 6 |
| 204 | Photosynthesis is differently regulated during and after copper-induced nutritional stress in citrus trees. <i>Physiologia Plantarum</i> , 2018, 163, 399-413. | 2.6 | 6 |
| 205 | 24-Epibrassinolide Mechanisms Regulating Blossom-End Rot Development in Tomato Fruit. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 812-823. | 2.8 | 6 |
| 206 | Exogenous arginine modulates leaf antioxidant enzymes and hydrogen peroxide content in tomato plants under transient heat stresses. <i>Bragantia</i> , 0, 80, . | 1.3 | 6 |
| 207 | Impact of the colonization of <i>Leifsonia xyli</i> subsp. <i>xyli</i> in a susceptible sugarcane genotype on water status and physiological traits. <i>European Journal of Plant Pathology</i> , 2021, 159, 839-849. | 0.8 | 6 |
| 208 | Publications in the field of Agrarian Sciences in the <i>Anais da Academia Brasileira de Ci ncias</i> : what next?. <i>Anais Da Academia Brasileira De Ciencias</i> , 2012, 84, 1-3. | 0.3 | 6 |
| 209 | Exogenous Application of L-Arginine Improves Protein Content and Increases Yield of <i>Pereskia aculeata</i> Mill. Grown in Soilless Media Container. <i>Horticulturae</i> , 2022, 8, 142. | 1.2 | 6 |
| 210 | Production of Monoclonal Antibodies for Detection of a Secreted Aspartyl Proteinase from <i>Candida</i> spp. in Biologic Specimens. <i>Hybridoma</i> , 2007, 26, 201-210. | 0.5 | 5 |
| 211 | Diallelic analysis for lysine and oil contents in maize grains. <i>Scientia Agricola</i> , 2009, 66, 204-209. | 0.6 | 5 |
| 212 | Foliar application of manganese increases sugarcane resistance to orange rust. <i>Plant Pathology</i> , 2019, 68, 1296-1307. | 1.2 | 5 |
| 213 | 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 |
| 214 | Ratoon Stunting Disease (<i>Leifsonia xyli</i> subsp. <i>xyli</i>) affects source-sink relationship in sugarcane by decreasing sugar partitioning to tillers. <i>Physiological and Molecular Plant Pathology</i> , 2021, 116, 101723. | 1.3 | 5 |
| 215 | A closer look at the Impact Factor (JCR 2012): problems, concerns and actions needed. <i>Anais Da Academia Brasileira De Ciencias</i> , 2013, 85, 859-862. | 0.3 | 5 |
| 216 | SDS-Page and numerical analysis of <i>Candida albicans</i> from human oral cavity and other anatomical sites. <i>Brazilian Journal of Microbiology</i> , 2004, 35, 40-47. | 0.8 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | Variation in phytate accumulation in common bean (<i>Phaseolus vulgaris</i> L.) fruit explants. Brazilian Archives of Biology and Technology, 2008, 51, 163-173. | 0.5 | 4 |
| 218 | Does using stepwise variable selection to build sequential path analysis models make sense?. <i>Physiologia Plantarum</i> , 2011, 141, 197-200. | 2.6 | 4 |
| 219 | The centenary of <i>Annals of Applied Biology</i> in 2014. <i>Annals of Applied Biology</i> , 2014, 164, 1-7. | 1.3 | 4 |
| 220 | Changes in soluble amino acid composition during <i>Canavalia ensiformis</i> development: responses to nitrogen deficiency. <i>Theoretical and Experimental Plant Physiology</i> , 2015, 27, 109-117. | 1.1 | 4 |
| 221 | Automation of lettuce seedlings irrigation with sensors deployed in the substrate or at the atmosphere. <i>Scientia Agricola</i> , 2019, 76, 179-189. | 0.6 | 4 |
| 222 | Antioxidant performance and aluminum accumulation in two genotypes of <i>Solanum lycopersicum</i> in response to low pH and aluminum availability and under their combined stress. <i>Scientia Horticulturae</i> , 2020, 259, 108813. | 1.7 | 4 |
| 223 | Interview with Carol Millman, former Executive Officer, Association of Applied Biologists 1997-2021, and Editorial Officer, <i>Annals of Applied Biology</i> 1989-2021. <i>Annals of Applied Biology</i> , 2021, 179, 148-150. | 1.3 | 4 |
| 224 | Plants under attack: Surviving the stress. <i>Annals of Applied Biology</i> , 2021, 178, 132-134. | 1.3 | 4 |
| 225 | Dissecting the Opaque-2 regulatory network using transcriptome and proteome approaches along with enzyme activity measurements. <i>Scientia Agricola</i> , 2002, 59, 407-414. | 0.6 | 4 |
| 226 | Isolation of enzymes involved in threonine biosynthesis from sorghum seeds. <i>Brazilian Journal of Plant Physiology</i> , 2004, 16, 95-104. | 0.5 | 3 |
| 227 | Determination of aspartate kinase activity in maize tissues. <i>Scientia Agricola</i> , 2005, 62, 184-189. | 0.6 | 3 |
| 228 | Changes in Amino Acid Profile in Roots of Glyphosate Resistant and Susceptible Soybean (<i>Glycine</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 65, 8823-8828. | 2.4 | 3 |
| 229 | Phytochelatins and their relationship with modulation of cadmium tolerance in plants. , 2021, , 91-113. | | 3 |
| 230 | Variation in the ureide content of Jack Bean during the reproductive stages in response to nitrate. <i>Brazilian Archives of Biology and Technology</i> , 2009, 52, 581-585. | 0.5 | 3 |
| 231 | Methods of asepsis for in vitro establishment and germination of <i>Eucalyptus grandis</i> . <i>Journal of Biotechnology and Biodiversity</i> , 2011, 2, 7-13. | 0.1 | 3 |
| 232 | Antioxidative metabolism in sugarcane (<i>Poaceae</i>) varieties subjected to water and saline stress. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2020, 24, 776-782. | 0.4 | 3 |
| 233 | 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 |
| 234 | particulado aderido Às raízes de aguapã e no sedimento em dois rios do sudeste brasileiro. <i>Biotemas</i> , 2010, , 119-128. | 0.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 235 | Growth, Yield and Grain Nutritional Quality in Three Brazilian Pearl Millets (<i>Pennisetum americanum</i>) Tj ETQq1 1 0.784314 rgBT /Over | 0.3 | 2 |
| 236 | Leaf 13C and 15N composition shedding light on easing drought stress through partial K substitution by Na in eucalyptus species. Scientific Reports, 2021, 11, 20158. | 1.6 | 2 |
| 237 | Despite a stressful period with the pandemic, publication is going strong: News about <i>Annals of Applied Biology</i>. Annals of Applied Biology, 2022, 180, 4-6. | 1.3 | 2 |
| 238 | Interview with Prof. Nigel G. Halford, Rothamsted Research, United Kingdom. Annals of Applied Biology, 2022, 181, 130-132. | 1.3 | 2 |
| 239 | Publishing new and valuable information on abiotic stress responses in plants. Annals of Applied Biology, 2013, 163, 319-322. | 1.3 | 1 |
| 240 | Brachiaria enrichment with selenium-coated urea. Ciencia Rural, 2018, 48, . | 0.3 | 1 |
| 241 | Publishing goes on despite the virusâ€”What is new for 2021. Annals of Applied Biology, 2021, 178, 4-5. | 1.3 | 1 |
| 242 | Current Research on the Role of Plant Primary and Secondary Metabolites in Response to Cadmium Stress. , 2021, , 125-153. | | 1 |
| 243 | Tolerance of tomato to cadmium-induced stress: analyzing cultivars with different fruit colors. Environmental Science and Pollution Research, 2021, 28, 26172-26181. | 2.7 | 1 |
| 244 | Potential of hydrogen (pH) differentially modulates cadmium stress response in abscisic acid-deficient sitiens tomato mutant. Bragantia, 2019, 78, 317-327. | 1.3 | 1 |
| 245 | Cloning and sequence analysis of tomato cpDNA fragments: towards developing homologous chloroplast transformation vectors. Brazilian Journal of Plant Physiology, 2005, 17, 239-246. | 0.5 | 1 |
| 246 | Antioxidative responses of cell suspension cultures of two Coffea arabica varieties to low aluminum levels at pH 5.8. Hoehnea (revista), 2012, 39, 01-10. | 0.2 | 1 |
| 247 | Seed photorespiration: a perspective review. Plant Growth Regulation, 0, , 1. | 1.8 | 1 |
| 248 | Six years old and growing strongly. Food and Energy Security, 2017, 6, e00124. | 2.0 | 0 |
| 249 | An overview of the Brazilian Journal of Plant Physiology: we need a push!. Brazilian Journal of Plant Physiology, 2012, 24, 233-235. | 0.5 | 0 |
| 250 | Characterization of the development of cowpea cultivars and of the quantity and quality of proteins in their grains. Pesquisa Agropecuaria Brasileira, 0, 55, . | 0.9 | 0 |