

Halley C Oliveira

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

1,549
citations

26
h-index

38
g-index

78
ext. papers

1,927
ext. citations

4.4
avg, IF

5.07
L-index

#	Paper	IF	Citations
70	Decreased arginine and nitrite levels in nitrate reductase-deficient <i>Arabidopsis thaliana</i> plants impair nitric oxide synthesis and the hypersensitive response to <i>Pseudomonas syringae</i> . <i>Plant Science</i> , 2006 , 171, 34-40	5.3	109
69	Nitric oxide-releasing chitosan nanoparticles alleviate the effects of salt stress in maize plants. <i>Nitric Oxide - Biology and Chemistry</i> , 2016 , 61, 10-19	5	96
68	Nanoencapsulation Enhances the Post-Emergence Herbicidal Activity of Atrazine against Mustard Plants. <i>PLoS ONE</i> , 2015 , 10, e0132971	3.7	91
67	Floral transition and nitric oxide emission during flower development in <i>Arabidopsis thaliana</i> is affected in nitrate reductase-deficient plants. <i>Plant and Cell Physiology</i> , 2008 , 49, 1112-21	4.9	89
66	Chitosan nanoparticles as carrier systems for the plant growth hormone gibberellic acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 150, 141-152	6	83
65	EPolyglutamic acid/chitosan nanoparticles for the plant growth regulator gibberellic acid: Characterization and evaluation of biological activity. <i>Carbohydrate Polymers</i> , 2017 , 157, 1862-1873	10.3	57
64	Nitrite reduction and superoxide-dependent nitric oxide degradation by <i>Arabidopsis</i> mitochondria: influence of external NAD(P)H dehydrogenases and alternative oxidase in the control of nitric oxide levels. <i>Nitric Oxide - Biology and Chemistry</i> , 2009 , 21, 132-9	5	53
63	Nanotechnology Potential in Seed Priming for Sustainable Agriculture. <i>Nanomaterials</i> , 2021 , 11,	5.4	52
62	Polymeric nanoparticles as an alternative for application of gibberellic acid in sustainable agriculture: a field study. <i>Scientific Reports</i> , 2019 , 9, 7135	4.9	46
61	A Mechanistic View of Interactions of a Nanoherbicide with Target Organism. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 4453-4462	5.7	41
60	Effects of copper oxide nanoparticles on growth of lettuce (<i>Lactuca sativa</i> L.) seedlings and possible implications of nitric oxide in their antioxidative defense. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 232	3.1	40
59	Nitrate reductase is required for the transcriptional modulation and bactericidal activity of nitric oxide during the defense response of <i>Arabidopsis thaliana</i> against <i>Pseudomonas syringae</i> . <i>Planta</i> , 2013 , 238, 475-86	4.7	40
58	Nitric oxide signaling and homeostasis in plants: a focus on nitrate reductase and S-nitrosoglutathione reductase in stress-related responses. <i>Revista Brasileira De Botanica</i> , 2013 , 36, 89-98 ^{1,2}	1.2	39
57	The hemibiotrophic cacao pathogen <i>Moniliophthora perniciosa</i> depends on a mitochondrial alternative oxidase for biotrophic development. <i>New Phytologist</i> , 2012 , 194, 1025-1034	9.8	39
56	State of the art of polymeric nanoparticles as carrier systems with agricultural applications: a minireview. <i>Energy, Ecology and Environment</i> , 2018 , 3, 137-148	3.5	38
55	Nitrogen metabolism and translocation in soybean plants subjected to root oxygen deficiency. <i>Plant Physiology and Biochemistry</i> , 2013 , 66, 141-9	5.4	38
54	Nitric oxide degradation by potato tuber mitochondria: evidence for the involvement of external NAD(P)H dehydrogenases. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008 , 1777, 470-6	4.6	37

53	Post-Emergence Herbicidal Activity of Nanoatrazine Against Susceptible Weeds. <i>Frontiers in Environmental Science</i> , 2018 , 6,	4.8	36
52	Evaluation of the effects of polymeric chitosan/tripolyphosphate and solid lipid nanoparticles on germination of Zea mays, Brassica rapa and Pisum sativum. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 142, 369-374	7	34
51	Modulation of mitochondrial activity by S-nitrosoglutathione reductase in Arabidopsis thaliana transgenic cell lines. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013 , 1827, 239-47	4.6	34
50	Involvement of nitrite in the nitrate-mediated modulation of fermentative metabolism and nitric oxide production of soybean roots during hypoxia. <i>Planta</i> , 2013 , 237, 255-64	4.7	33
49	Nanocapsules Containing Neem (Azadirachta Indica) Oil: Development, Characterization, And Toxicity Evaluation. <i>Scientific Reports</i> , 2017 , 7, 5929	4.9	33
48	Amino acid recovery does not prevent susceptibility to Pseudomonas syringae in nitrate reductase double-deficient Arabidopsis thaliana plants. <i>Plant Science</i> , 2009 , 176, 105-111	5.3	30
47	Evaluation of the side effects of poly(epsilon-caprolactone) nanocapsules containing atrazine toward maize plants. <i>Frontiers in Chemistry</i> , 2015 , 3, 61	5	29
46	Effect of oxygen deficiency on nitrogen assimilation and amino acid metabolism of soybean root segments. <i>Amino Acids</i> , 2013 , 44, 743-55	3.5	29
45	How nitric oxide donors can protect plants in a changing environment: what we know so far and perspectives. <i>AIMS Molecular Science</i> , 2016 , 3, 692-718	0.9	29
44	Atrazine nanoencapsulation improves pre-emergence herbicidal activity against Bidens pilosa without enhancing long-term residual effect on Glycine max. <i>Pest Management Science</i> , 2020 , 76, 141-149	4.6	23
43	The potential of nanobiopesticide based on zein nanoparticles and neem oil for enhanced control of agricultural pests. <i>Journal of Pest Science</i> , 2020 , 93, 793-806	5.5	17
42	Nitrate reductase-dependent nitric oxide synthesis in the defense response of Arabidopsis thaliana against Pseudomonas syringae. <i>Tropical Plant Pathology</i> , 2010 , 35, 104-107	2.5	17
41	Light acclimation in nursery: morphoanatomy and ecophysiology of seedlings of three light-demanding neotropical tree species. <i>Revista Brasileira De Botanica</i> , 2016 , 39, 19-28	1.2	16
40	Hypoxia-driven changes in glycolytic and tricarboxylic acid cycle metabolites of two nodulated soybean genotypes. <i>Environmental and Experimental Botany</i> , 2017 , 133, 118-127	5.9	15
39	Effects of nitric oxide-releasing nanoparticles on neotropical tree seedlings submitted to acclimation under full sun in the nursery. <i>Scientific Reports</i> , 2019 , 9, 17371	4.9	15
38	Morphoanatomy and ecophysiology of tree seedlings in semideciduous forest during high-light acclimation in nursery. <i>Photosynthetica</i> , 2015 , 53, 597-608	2.2	13
37	Plant growth-promoting bacteria improve leaf antioxidant metabolism of drought-stressed Neotropical trees. <i>Planta</i> , 2020 , 251, 83	4.7	13
36	Nitrate reductase- and nitric oxide-dependent activation of sinapoylglucose:malate sinapoyltransferase in leaves of Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2012 , 53, 1607-16	4.9	13

35	Associative bacteria influence maize (<i>Zea mays</i> L.) growth, physiology and root anatomy under different nitrogen levels. <i>Plant Biology</i> , 2018 , 20, 870-878	3.7	13
34	Nitrogen use strategies of seedlings from neotropical tree species of distinct successional groups. <i>Plant Physiology and Biochemistry</i> , 2017 , 114, 119-127	5.4	11
33	Enhanced drought tolerance in seedlings of Neotropical tree species inoculated with plant growth-promoting bacteria. <i>Plant Physiology and Biochemistry</i> , 2018 , 130, 277-288	5.4	11
32	Acclimation responses to high light by <i>Guazuma ulmifolia</i> Lam. (Malvaceae) leaves at different stages of development. <i>Plant Biology</i> , 2017 , 19, 720-727	3.7	10
31	Nitrite decreases ethanol production by intact soybean roots submitted to oxygen deficiency: a role for mitochondrial nitric oxide synthesis?. <i>Plant Signaling and Behavior</i> , 2013 , 8, e23578	2.5	8
30	Cyclosporin A inhibits calcium uptake by <i>Citrus sinensis</i> mitochondria. <i>Plant Science</i> , 2007 , 172, 665-670	5.3	7
29	BRIEF COMMUNICATION Photosynthetic light-response curves of light-demanding and shade-tolerant seedlings of neotropical tree species. <i>Photosynthetica</i> , 2019 , 57, 470-474	2.2	7
28	Nitrogen supplementation improves the high-light acclimation of <i>Guazuma ulmifolia</i> Lam. seedlings. <i>Trees - Structure and Function</i> , 2019 , 33, 421-431	2.6	7
27	The light and dark sides of nitric oxide: multifaceted roles of nitric oxide in plant responses to light. <i>Journal of Experimental Botany</i> , 2021 , 72, 885-903	7	6
26	Foliar absorption and field herbicidal studies of atrazine-loaded polymeric nanoparticles. <i>Journal of Hazardous Materials</i> , 2021 , 418, 126350	12.8	6
25	Nanopesticides 2020 ,		5
24	Nitrogen metabolism of Neotropical tree seedlings with contrasting ecological characteristics. <i>Acta Physiologiae Plantarum</i> , 2019 , 41, 1	2.6	5
23	The effect of nitrate assimilation deficiency on the carbon and nitrogen status of <i>Arabidopsis thaliana</i> plants. <i>Amino Acids</i> , 2014 , 46, 1121-9	3.5	5
22	Role of Plant Mitochondria in Nitric Oxide Homeostasis During Oxygen Deficiency 2014 , 57-74		3
21	Seed priming with copper-loaded chitosan nanoparticles promotes early growth and enzymatic antioxidant defense of maize (<i>Zea mays</i> L.) seedlings. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 2176	3.5	3
20	Potential allelopathic effect of <i>Brachiaria decumbens</i> root exudates on neotropical tree seedlings. <i>Theoretical and Experimental Plant Physiology</i> , 2017 , 29, 177-186	2.4	2
19	Mitochondrial Nitric Oxide Synthesis During Plant Pathogen Interactions: Role of Nitrate Reductase in Providing Substrates 2006 , 239-254		2
18	Dose-Dependent Dual Effect of Soil Copper on the Initial Development of <i>Glycine max</i> (L.) Merr. cv. BRS 257 Seedlings. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020 , 105, 553-558	2.7	2

17	Nanoencapsulation improves the protective effects of a nitric oxide donor on drought-stressed <i>Heliocarpus popayanensis</i> seedlings. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 225, 112713	7	2
16	Nitric oxide-releasing nanomaterials: from basic research to potential biotechnological applications in agriculture.. <i>New Phytologist</i> , 2022 ,	9.8	2
15	Potential Use of Polymeric Particles for the Regulation of Plant Growth 2019 , 45-66		1
14	NAD(P)H- and superoxide-dependent nitric oxide degradation by rat liver mitochondria. <i>FEBS Letters</i> , 2009 , 583, 2276-80	3.8	1
13	Differential impacts of plant growth-promoting bacteria (PGPB) on seeds of neotropical tree species with contrasting tolerance to shade. <i>Trees - Structure and Function</i> , 2020 , 34, 121-132	2.6	1
12	Advances in nano-based delivery systems of micronutrients for a greener agriculture 2021 , 111-143		1
11	Different leaf traits provide light-acclimation responses in two neotropical woody species. <i>Theoretical and Experimental Plant Physiology</i> , 2021 , 33, 313	2.4	1
10	Does inoculation with associative bacteria improve tolerance to nitrogen deficiency in seedlings of Neotropical tree species?. <i>Environmental and Experimental Botany</i> , 2021 , 189, 104529	5.9	1
9	Overview of nitric oxide homeostasis 2022 , 3-41		1
8	Regression models to stratify the copper toxicity responses and tolerance mechanisms of <i>Glycine max</i> (L.) Merr. plants. <i>Planta</i> , 2021 , 253, 43	4.7	1
7	Nitrogen use plasticity in response to light intensity in neotropical tree species of distinct functional groups. <i>Physiologia Plantarum</i> , 2021 , 172, 2226-2237	4.6	0
6	Inorganic nitrogen sources alter the root morphology of neotropical tree seedlings from different successional groups. <i>Trees - Structure and Function</i> , 2021 , 35, 875-887	2.6	0
5	Plant Nitric Oxide Signaling Under Environmental Stresses 2017 , 345-370		
4	The role of alternative respiratory proteins in nitric oxide metabolism by plant mitochondria 2015 , 95-113		
3	Overview of Nanopesticide Environmental Safety Aspects and Regulatory Issues: The Case of Nanoatrazine 2020 , 281-298		
2	CONTROL OF VOLUNTEER CORN AS A FUNCTION OF LIGHT RESTRICTION PERIODS AFTER DIQUAT APPLICATION. <i>Revista Caatinga</i> , 2022 , 35, 299-307	0.6	
1	Copper-Based Nanoparticles for Pesticide Effects 2022 , 187-212		