Ricardo Antunes Azevedo

List of Publications by Year
in descending order

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250	10,979	36203	40881
papers	citations	51 h-index	93 g-index

253	253	253	8881
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	2.5	3
2	Exogenous Application of L-Arginine Improves Protein Content and Increases Yield of Pereskia aculeata Mill. Grown in Soilless Media Container. Horticulturae, 2022, 8, 142.	1.2	6
3	Despite a stressful period with the pandemic, publication is going strong: News about Annals of Applied Biology. Annals of Applied Biology, 2022, 180, 4-6.	1.3	2
4	Interview with Prof. Nigel G. Halford, Rothamsted Research, United Kingdom. Annals of Applied Biology, 2022, 181, 130-132.	1.3	2
5	Transgenerational hormesis: What do parents sacrifice for their offspring?. Current Opinion in Environmental Science and Health, 2022, 29, 100380.	2.1	10
6	Unraveling the mechanisms controlling Cd accumulation and Cdâ€tolerance in <scp> Brachiaria decumbens </scp> and <scp> Panicum maximum </scp> under summer and winter weather conditions. Physiologia Plantarum, 2021, 173, 20-44.	2.6	8
7	Cadmium effects on plant reproductive organs: Physiological, productive, evolutionary and ecological aspects. Annals of Applied Biology, 2021, 178, 227-243.	1.3	16
8	Publishing goes on despite the virusâ€"What is new for 2021. Annals of Applied Biology, 2021, 178, 4-5.	1.3	1
9	There is plenty of room at the plant science: A review of nanoparticles applied to plant cultures. Annals of Applied Biology, 2021, 178, 149-168.	1.3	11
10	Current Research on the Role of Plant Primary and Secondary Metabolites in Response to Cadmium Stress. , 2021, , 125-153.		1
11	Phytochelatins and their relationship with modulation of cadmium tolerance in plants. , 2021, , 91-113.		3
12	Urea- Versus Ammonium Nitrateâ€"Based Fertilizers for Green Sugarcane Cultivation. Journal of Soil Science and Plant Nutrition, 2021, 21, 1329-1338.	1.7	5
13	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
14	Unravelling homeostasis effects of phosphorus and zinc nutrition by leaf photochemistry and metabolic adjustment in cotton plants. Scientific Reports, 2021, 11, 13746.	1.6	18
15	Interview with Carol Millman, former Executive Officer, Association of Applied Biologists 1997â€"2021, and Editorial Officer, Annals of Applied Biology 1989â€"2021. Annals of Applied Biology, 2021, 179, 148-150.	1.3	4
16	Comparative phosphoproteomic analysis of tomato genotypes with contrasting cadmium tolerance. Plant Cell Reports, 2021, 40, 2001-2008.	2.8	7
17	Ratoon Stunting Disease (Leifsonia xyli subsp. xyli) affects source-sink relationship in sugarcane by decreasing sugar partitioning to tillers. Physiological and Molecular Plant Pathology, 2021, 116, 101723.	1.3	5
18	Cadmium-induced transgenerational effects on tomato plants: A gift from parents to progenies. Science of the Total Environment, 2021, 789, 147885.	3.9	26

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19	Impact of the colonization of Leifsonia xyli subsp. xyli in a susceptible sugarcane genotype on water status and physiological traits. European Journal of Plant Pathology, 2021, 159, 839-849.	0.8	6
20	Plants under attack: Surviving the stress. Annals of Applied Biology, 2021, 178, 132-134.	1.3	4
21	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
22	Antioxidant performance and aluminum accumulation in two genotypes of Solanum lycopersicum in response to low pH and aluminum availability and under their combined stress. Scientia Horticulturae, 2020, 259, 108813.	1.7	4
23	Hormesis in plants under Cd exposure: From toxic to beneficial element?. Journal of Hazardous Materials, 2020, 384, 121434.	6.5	131
24	Lysine metabolism and amino acid profile in maize grains from plants subjected to cadmium exposure. Scientia Agricola, 2020, 77, .	0.6	15
25	Aluminum-induced toxicity in Urochloa brizantha genotypes: A first glance into root Al-apoplastic and -symplastic compartmentation, Al-translocation and antioxidant performance. Chemosphere, 2020, 243, 125362.	4.2	17
26	The sweet side of misbalanced nutrients in cadmiumâ€stressed plants. Annals of Applied Biology, 2020, 176, 275-284.	1.3	24
27	Foliar application of 24-epibrassinolide improves Solanum nigrum L. tolerance to high levels of Zn without affecting its remediation potential. Chemosphere, 2020, 244, 125579.	4.2	10
28	Characterization of genes responsive to osmotic and oxidative stresses of the sugarcane bacterial pathogen Leifsonia xyli subsp. xyli. Brazilian Journal of Microbiology, 2020, 51, 77-86.	0.8	7
29	Maize plants have different strategies to protect their developing seeds against cadmium toxicity. Theoretical and Experimental Plant Physiology, 2020, 32, 203-211.	1.1	9
30	Professor Simon Leather, <scp>Editorâ€inâ€Chief</scp>, <scp>Annals of Applied Biology</scp> 2015â€“2020. Annals of Applied Biology, 2020, 177, 280-281.	1.3	7
31	The possible role of extra magnesium and nitrogen supply to alleviate stress caused by high irradiation and temperature in lemon trees. Plant and Soil, 2020, 457, 57-70.	1.8	24
32	Mechanisms of cadmium-stress avoidance by selenium in tomato plants. Ecotoxicology, 2020, 29, 594-606.	1.1	27
33	Protein, Phytate and Minerals in Grains of Commercial Cowpea Genotypes. Anais Da Academia Brasileira De Ciencias, 2020, 92, e20180484.	0.3	13
34	Seed priming with seaweed extract mitigate heat stress in spinach: effect on germination, seedling growth and antioxidant capacity. Bragantia, 2020, 79, 502-511.	1.3	11
35	Antioxidative metabolism in sugarcane (Poaceae) varieties subjected to water and saline stress. Revista Brasileira De Engenharia Agricola E Ambiental, 2020, 24, 776-782.	0.4	3
36	Quantitative proteomic analysis of tomato genotypes with differential cadmium tolerance. Environmental Science and Pollution Research, 2019, 26, 26039-26051.	2.7	17

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37	New insights into cadmium stressful-conditions: Role of ethylene on selenium-mediated antioxidant enzymes. Ecotoxicology and Environmental Safety, 2019, 186, 109747.	2.9	36
38	Cadmium toxicity and its relationship with disturbances in the cytoskeleton, cell cycle and chromosome stability. Ecotoxicology, 2019, 28, 1046-1055.	1.1	26
39	Foliar application of manganese increases sugarcane resistance to orange rust. Plant Pathology, 2019, 68, 1296-1307.	1.2	5
40	Antioxidant Defense Response in Plants to Cadmium Stress. , 2019, , 423-461.		11
41	Influence of nitrate - ammonium ratio on the growth, nutrition, and metabolism of sugarcane. Plant Physiology and Biochemistry, 2019, 139, 246-255.	2.8	36
42	Relationship between Mg, B and Mn status and tomato tolerance against Cd toxicity. Journal of Environmental Management, 2019, 240, 84-92.	3.8	30
43	Automation of lettuce seedlings irrigation with sensors deployed in the substrate or at the atmosphere. Scientia Agricola, 2019, 76, 179-189.	0.6	4
44	Investigation into the relationship among Cd bioaccumulation, nutrient composition, ultrastructural changes and antioxidative metabolism in lettuce genotypes under Cd stress. Ecotoxicology and Environmental Safety, 2019, 170, 578-589.	2.9	34
45	Plants facing oxidative challengesâ€"A little help from the antioxidant networks. Environmental and Experimental Botany, 2019, 161, 4-25.	2.0	277
46	Nutritional status and root morphology of tomato under Cd-induced stress: Comparing contrasting genotypes for metal-tolerance. Scientia Horticulturae, 2019, 246, 518-527.	1.7	40
47	24-Epibrassinolide Mechanisms Regulating Blossom-End Rot Development in Tomato Fruit. Journal of Plant Growth Regulation, 2019, 38, 812-823.	2.8	6
48	Potential of hydrogen (pH) differentially modulates cadmium stress response in abscisic acid-deficient sitiens tomato mutant. Bragantia, 2019, 78, 317-327.	1.3	1
49	NO3â˜'/NH4+ proportions affect cadmium bioaccumulation and tolerance of tomato. Environmental Science and Pollution Research, 2018, 25, 13916-13928.	2.7	12
50	Mechanisms of copper stress alleviation in Citrus trees after metal uptake by leaves or roots. Environmental Science and Pollution Research, 2018, 25, 13134-13146.	2.7	33
51	New insights about cadmium impacts on tomato: Plant acclimation, nutritional changes, fruit quality and yield. Food and Energy Security, 2018, 7, e00131.	2.0	31
52	Oxidative stress induced by Cu nutritional disorders in Citrus depends on nitrogen and calcium availability. Scientific Reports, 2018, 8, 1641.	1.6	39
53	Cadmium exposure triggers genotype-dependent changes in seed vigor and germination of tomato offspring. Protoplasma, 2018, 255, 989-999.	1.0	33
54	Temporal dynamic responses of roots in contrasting tomato genotypes to cadmium tolerance. Ecotoxicology, 2018, 27, 245-258.	1.1	53

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55	Cadmium toxicity degree on tomato development is associated with disbalances in B and Mn status at early stages of plant exposure. Ecotoxicology, 2018, 27, 1293-1302.	1.1	24
56	Brachiaria enrichment with selenium-coated urea. Ciencia Rural, 2018, 48, .	0.3	1
57	Aluminum-induced stress differently modifies Urochloa genotypes responses on growth and regrowth: root-to-shoot Al-translocation and oxidative stress. Theoretical and Experimental Plant Physiology, 2018, 30, 141-152.	1.1	17
58	Bacillus megaterium strains derived from water and soil exhibit differential responses to the herbicide mesotrione. PLoS ONE, 2018, 13, e0196166.	1.1	19
59	Estimating tomato tolerance to heavy metal toxicity: cadmium as study case. Environmental Science and Pollution Research, 2018, 25, 27535-27544.	2.7	46
60	Automatically controlled deficit irrigation of lettuce in â€œorganic potponicsâ€• Scientia Agricola, 2018, 75, 52-59.	0.6	9
61	Growth, Yield and Grain Nutritional Quality in Three Brazilian Pearl Millets (Pennisetum americanum) Tj ETQq1 1 0.784314 rgBT /Over	0.3	2
62	Novel Insights Into the Early Stages of Ratoon Stunting Disease of Sugarcane Inferred from Transcript and Protein Analysis. Phytopathology, 2018, 108, 1455-1466.	1.1	25
63	Photosynthesis is differently regulated during and after copperâ€•induced nutritional stress in citrus trees. Physiologia Plantarum, 2018, 163, 399-413.	2.6	6
64	Enzymatic antioxidantsâ€”Relevant or not to protect the photosynthetic system against cadmium-induced stress in Massai grass supplied with sulfur?. Environmental and Experimental Botany, 2018, 155, 702-717.	2.0	17
65	Is seaweed extract an elicitor compound? Changing proline content in drought-stressed bean plants. Comunicata Scientiae, 2018, 9, 292-297.	0.4	27
66	Physiological and biochemical responses of Dolichos lablab L. to cadmium support its potential as a cadmium phytoremediator. Journal of Soils and Sediments, 2017, 17, 1413-1426.	1.5	12
67	Abscisic acid-deficient sit tomato mutant responses to cadmium-induced stress. Protoplasma, 2017, 254, 771-783.	1.0	58
68	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. Journal of Soils and Sediments, 2017, 17, 1427-1436.	1.5	26
69	Metabolic Interference of sod gene mutations on catalase activity in Escherichia coli exposed to GramoxoneÂ® (paraquat) herbicide. Ecotoxicology and Environmental Safety, 2017, 139, 89-96.	2.9	13
70	Evaluation of silicon influence on the mitigation of cadmium-stress in the development of Arabidopsis thaliana through total metal content, proteomic and enzymatic approaches. Journal of Trace Elements in Medicine and Biology, 2017, 44, 50-58.	1.5	26
71	Functional analysis of oxidative burst in sugarcane smut-resistant and -susceptible genotypes. Planta, 2017, 245, 749-764.	1.6	43
72	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. Journal of Proteome Research, 2017, 16, 3688-3703.	1.8	12

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73	Changes in Amino Acid Profile in Roots of Glyphosate Resistant and Susceptible Soybean (Glycine) Tj ETQq1 1 0.784314 rgBT /Ove 65, 8823-8828.	2.4	3
74	The Proper Supply of S Increases Amino Acid Synthesis and Antioxidant Enzyme Activity in Tanzania Guinea Grass Used for Cd Phytoextraction. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	23
75	Dealing with abiotic stresses: an integrative view of how phytohormones control abiotic stress-induced oxidative stress. Theoretical and Experimental Plant Physiology, 2017, 29, 109-127.	1.1	30
76	Cadmium stress related to root-to-shoot communication depends on ethylene and auxin in tomato plants. Environmental and Experimental Botany, 2017, 134, 102-115.	2.0	88
77	Six years old and growing strongly. Food and Energy Security, 2017, 6, e00124.	2.0	0
78	Soluble amino acid profile, mineral nutrient and carbohydrate content of maize kernels harvested from plants submitted to ascorbic acid seed priming. Anais Da Academia Brasileira De Ciencias, 2017, 89, 695-704.	0.3	8
79	Citrus rootstocks regulate the nutritional status and antioxidant system of trees under copper stress. Environmental and Experimental Botany, 2016, 130, 42-52.	2.0	52
80	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. Peptides, 2016, 85, 1-15.	1.2	17
81	Storage elicits a fast antioxidant enzyme activity in Araucaria angustifolia embryos. Acta Physiologiae Plantarum, 2016, 38, 1.	1.0	8
82	GST activity and membrane lipid saturation prevents mesotrione-induced cellular damage in Pantoea ananatis. AMB Express, 2016, 6, 70.	1.4	18
83	Cadmium Application in Tomato: Nutritional Imbalance and Oxidative Stress. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	28
84	Proteomic analysis of mature barley grains from C-hordein antisense lines. Phytochemistry, 2016, 125, 14-26.	1.4	12
85	Development of a qPCR for Leifsonia xyli subsp. xyli and quantification of the effects of heat treatment of sugarcane cuttings on Lxx. Crop Protection, 2016, 80, 51-55.	1.0	22
86	Effect of 24-epibrassinolide on ROS content, antioxidant system, lipid peroxidation and Ni uptake in Solanum nigrum L. under Ni stress. Environmental and Experimental Botany, 2016, 122, 115-125.	2.0	175
87	Towards soil management with Zn and Mn: estimates of fertilisation efficacy of Citrus trees. Annals of Applied Biology, 2015, 166, 484-495.	1.3	29
88	Evaluation of protein extraction methods for enhanced proteomic analysis of tomato leaves and roots. Anais Da Academia Brasileira De Ciencias, 2015, 87, 1853-1863.	0.3	13
89	Temporal dynamics of the response to Al stress in Eucalyptus grandis Ã— Eucalyptus camaldulensis. Anais Da Academia Brasileira De Ciencias, 2015, 87, 1063-1070.	0.3	7
90	Changes in soluble amino acid composition during Canavalia ensiformis development: responses to nitrogen deficiency. Theoretical and Experimental Plant Physiology, 2015, 27, 109-117.	1.1	4

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91	Antioxidant metabolism in coffee (Coffea arabica L.) plants in response to nitrogen supply. Theoretical and Experimental Plant Physiology, 2015, 27, 203-213.	1.1	23
92	Lysine metabolism in antisense C-hordein barley grains. Plant Physiology and Biochemistry, 2015, 87, 73-83.	2.8	16
93	Protective effect of Mn(III)â€“desferrioxamine B upon oxidative stress caused by ozone and acid rain in the Brazilian soybean cultivar Glycine max â€œSambaibaâ€. Environmental Science and Pollution Research, 2015, 22, 5315-5324.	2.7	9
94	Cadmium stress antioxidant responses and root-to-shoot communication in grafted tomato plants. BioMetals, 2015, 28, 803-816.	1.8	136
95	Tropical soils with high aluminum concentrations cause oxidative stress in two tomato genotypes. Environmental Monitoring and Assessment, 2015, 187, 73.	1.3	51
96	Tropical soils cultivated with tomato: fractionation and speciation of Al. Environmental Monitoring and Assessment, 2015, 187, 160.	1.3	11
97	Antioxidant enzymes activities of Burkholderia spp. strainsâ€”oxidative responses to Ni toxicity. Environmental Science and Pollution Research, 2015, 22, 19922-19932.	2.7	31
98	Sulfur Metabolism and Stress Defense Responses in Plants. Tropical Plant Biology, 2015, 8, 60-73.	1.0	165
99	Nanoparticles applied to plant science: A review. Talanta, 2015, 131, 693-705.	2.9	272
100	Dry Priming of Maize Seeds Reduces Aluminum Stress. PLoS ONE, 2015, 10, e0145742.	1.1	22
101	Mechanisms of Tolerance and High Degradation Capacity of the Herbicide Mesotrione by Escherichia coli Strain DH5-Î±. PLoS ONE, 2014, 9, e99960.	1.1	34
102	Rapid screening for selection of heavy metal-tolerant plants. Crop Breeding and Applied Biotechnology, 2014, 14, 1-7.	0.1	16
103	Burkholderia sp. SCMS54 Triggers a Global Stress Defense in Tomato Enhancing Cadmium Tolerance. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	25
104	What about keeping plants well watered?. Environmental and Experimental Botany, 2014, 99, 38-42.	2.0	26
105	The centenary ofAnnals of Applied Biologyin 2014. Annals of Applied Biology, 2014, 164, 1-7.	1.3	4
106	Assessment of the ozone tolerance of two soybean cultivars (Glycine max cv. SambaÃba and TracajÃ¡) cultivated in Amazonian areas. Environmental Science and Pollution Research, 2014, 21, 10514-10524.	2.7	18
107	Water stress reveals differential antioxidant responses of tolerant and non-tolerant sugarcane genotypes. Plant Physiology and Biochemistry, 2014, 74, 165-175.	2.8	149
108	Differential Responses of the Antioxidant System of Ametryn and Clomazone Tolerant Bacteria. PLoS ONE, 2014, 9, e112271.	1.1	39

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109	Sequential path analysis: what does "sequential" mean?. Scientia Agricola, 2014, 71, 525-527.	0.6	9
110	The antioxidant response of the liver of male Swiss mice raised on a AIN 93 or commercial diet. BMC Physiology, 2013, 13, 3.	3.6	16
111	Burkholderia sp. <scp>SCMS54</scp> reduces cadmium toxicity and promotes growth in tomato. Annals of Applied Biology, 2013, 163, 494-507.	1.3	39
112	Comparative studies focusing on transgenic through cp4EPSPS gene and non-transgenic soybean plants: An analysis of protein species and enzymes. Journal of Proteomics, 2013, 93, 107-116.	1.2	43
113	Antioxidant enzyme activity and hydrogen peroxide content during the drying of Arabica coffee beans. European Food Research and Technology, 2013, 236, 753-758.	1.6	18
114	Leaf senescence in tomato mutants as affected by irradiance and phytohormones. Biologia Plantarum, 2013, 57, 749-757.	1.9	21
115	Publishing new and valuable information on abiotic stress responses in plants. Annals of Applied Biology, 2013, 163, 319-322.	1.3	1
116	Simple procedure for nutrient analysis of coffee plant with energy dispersive X-ray fluorescence spectrometry (EDXRF). Scientia Agricola, 2013, 70, 263-267.	0.6	37
117	Use of non-hyperaccumulator plant species for the phytoextraction of heavy metals using chelating agents. Scientia Agricola, 2013, 70, 290-295.	0.6	94
118	A closer look at the Impact Factor (JCR 2012): problems, concerns and actions needed. Anais Da Academia Brasileira De Ciencias, 2013, 85, 859-862.	0.3	5
119	What is new in the research on cadmiumâ€induced stress in plants?. Food and Energy Security, 2012, 1, 133-140.	2.0	69
120	Antioxidant responses to water deficit by droughtâ€tolerant and â€sensitive sugarcane varieties. Annals of Applied Biology, 2012, 161, 313-324.	1.3	145
121	Oxidative processes during 'Golden' papaya fruit ripening. Brazilian Journal of Plant Physiology, 2012, 24, 85-94.	0.5	17
122	Biochemical and histological characterization of tomato mutants. Anais Da Academia Brasileira De Ciencias, 2012, 84, 573-585.	0.3	29
123	Coffee is highly tolerant to cadmium, nickel and zinc: Plant and soil nutritional status, metal distribution and bean yield. Field Crops Research, 2012, 125, 25-34.	2.3	35
124	Physiological effects of glyphosate over amino acid profile in conventional and transgenic soybean (Glycine max). Pesticide Biochemistry and Physiology, 2012, 102, 134-141.	1.6	15
125	Biochemical dissection of diageotropica and Never ripe tomato mutants to Cd-stressful conditions. Plant Physiology and Biochemistry, 2012, 56, 79-96.	2.8	153
126	New insights on proteomics of transgenic soybean seeds: evaluation of differential expressions of enzymes and proteins. Analytical and Bioanalytical Chemistry, 2012, 402, 299-314.	1.9	61

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127	Publications in the field of Agrarian Sciences in the Anais da Academia Brasileira de CiÃªncias: what next?. Anais Da Academia Brasileira De Ciencias, 2012, 84, 1-3.	0.3	6
128	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
129	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
130	Cadmiumâ€•and bariumâ€toxicity effects on growth and antioxidant capacity of soybean (Glycine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Nutrition and Soil Science, 2011, 174, 847-859.	1.1	46
131	Two-dimensional difference gel electrophoresis applied for analytical proteomics: fundamentals and applications to the study of plant proteomics. Analyst, The, 2011, 136, 4119.	1.7	42
132	Structural and ecophysiological alterations of the water hyacinth [Eichhornia crassipes (Mart.) Solms] due to anthropogenic stress in Brazilian rivers. Brazilian Archives of Biology and Technology, 2011, 54, 1059-1068.	0.5	9
133	Seed priming with hormones does not alleviate induced oxidative stress in maize seedlings subjected to salt stress. Scientia Agricola, 2011, 68, 598-602.	0.6	36
134	Does using stepwise variable selection to build sequential path analysis models make sense?. Physiologia Plantarum, 2011, 141, 197-200.	2.6	4
135	Enhanced transpiration rate in the high pigment 1 tomato mutant and its physiological significance. Plant Biology, 2011, 13, 546-550.	1.8	17
136	Cloning, expression, molecular modelling and docking analysis of glutathione transferase from Saccharum officinarum. Annals of Applied Biology, 2011, 159, 267-280.	1.3	65
137	Research on abiotic and biotic stress - what next?. Annals of Applied Biology, 2011, 159, 317-319.	1.3	24
138	The Role of Phytochrome in Stress Tolerance. Journal of Integrative Plant Biology, 2011, 53, 920-929.	4.1	83
139	Biochemical responses of the ethylene-insensitive Never ripe tomato mutant subjected to cadmium and sodium stresses. Environmental and Experimental Botany, 2011, 71, 306-320.	2.0	128
140	A role for ferritin in the antioxidant system in coffee cell cultures. BioMetals, 2011, 24, 225-237.	1.8	8
141	Genetic divergence is not the same as phenotypic divergence. Molecular Breeding, 2011, 28, 277-280.	1.0	21
142	Sugarcane Under Pressure: An Overview of Biochemical and Physiological Studies of Abiotic Stress. Tropical Plant Biology, 2011, 4, 42-51.	1.0	71
143	Plant pigments: the many faces of light perception. Acta Physiologiae Plantarum, 2011, 33, 241-248.	1.0	97
144	Effects of the herbicides acetochlor and metolachlor on antioxidant enzymes in soil bacteria. Process Biochemistry, 2011, 46, 1186-1195.	1.8	64

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145	Methods of asepsis for in vitro establishment and germination of Eucalyptus grandis. Journal of Biotechnology and Biodiversity, 2011, 2, 7-13.	0.1	3
146	High-lysine maize: the key discoveries that have made it possible. Amino Acids, 2010, 39, 979-989.	1.2	52
147	Biochemical and physiological changes in jack bean under mycorrhizal symbiosis growing in soil with increasing Cu concentrations. Environmental and Experimental Botany, 2010, 68, 198-207.	2.0	109
148	Antioxidant enzyme activity in Acidithiobacillus ferrooxidans LR maintained in contact with chalcopyrite. Process Biochemistry, 2010, 45, 914-918.	1.8	11
149	particulado aderido Ãs raÃzes de aguapÃ© e no sedimento em dois rios do sudeste brasileiro. Biotemas, 2010, , 119-128.	0.2	2
150	Automatic controller to water plants. Scientia Agricola, 2010, 67, 727-730.	0.6	24
151	InibiÃ§Ã£o da aÃ§Ã£o do etileno retarda o desenvolvimento de injÃºrias de frio em tangor 'Murcott'. Ciencia Rural, 2010, 40, 1530-1536.	0.3	6
152	Ecophysiological adaptation and metal accumulation in water hyacinth from two tropical rivers. Brazilian Journal of Plant Physiology, 2010, 22, 49-59.	0.5	9
153	TolerÃ¢ncia diferencial de variedades de cana-de-aÃ§Ãºcar a estresse por herbicidas. Bragantia, 2010, 69, 395-404.	1.3	13
154	Diallelic analysis for lysine and oil contents in maize grains. Scientia Agricola, 2009, 66, 204-209.	0.6	5
155	Ecophysiological responses of water hyacinth exposed to Cr3+ and Cr6+. Environmental and Experimental Botany, 2009, 65, 403-409.	2.0	107
156	Differential ultrastructural changes in tomato hormonal mutants exposed to cadmium. Environmental and Experimental Botany, 2009, 67, 387-394.	2.0	137
157	Nitrogen use efficiency. 3. Nitrogen fixation: genes and costs. Annals of Applied Biology, 2009, 155, 1-13.	1.3	74
158	Metallomics and chemical speciation: towards a better understanding of metalâ€induced stress in plants. Annals of Applied Biology, 2009, 155, 301-307.	1.3	63
159	Zn uptake, physiological response and stress attenuation in mycorrhizal jack bean growing in soil with increasing Zn concentrations. Chemosphere, 2009, 75, 1363-1370.	4.2	94
160	Variation in the ureide content of Jack Bean during the reproductive stages in response to nitrate. Brazilian Archives of Biology and Technology, 2009, 52, 581-585.	0.5	3
161	Antioxidant response of Nicotiana tabacum cv. Bright Yellow 2 cells to cadmium and nickel stress. Plant Cell, Tissue and Organ Culture, 2008, 94, 73-83.	1.2	43
162	Biochemical responses of glyphosate resistant and susceptible soybean plants exposed to glyphosate. Acta Physiologiae Plantarum, 2008, 30, 469-479.	1.0	87

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163	Does nitrogen uptake affect nitrogen uptake efficiency, or vice versa?. Acta Physiologiae Plantarum, 2008, 30, 419-420.	1.0	10
164	Lysine biosynthesis and nitrogen metabolism in quinoa (Chenopodium quinoa): Study of enzymes and nitrogen-containing compounds. Plant Physiology and Biochemistry, 2008, 46, 11-18.	2.8	15
165	Acquired tolerance of tomato (Lycopersicon esculentum cv. Microâ€Tom) plants to cadmiumâ€induced stress. Annals of Applied Biology, 2008, 153, 321-333.	1.3	173
166	Chlorophyll a fluorescence and ultrastructural changes in chloroplast of water hyacinth as indicators of environmental stress. Environmental and Experimental Botany, 2008, 64, 307-313.	2.0	42
167	Differential Gene Expression Between the Biotrophic-Like and Saprotrophic Mycelia of the Witches' Broom Pathogen Moniliophthora perniciosa. Molecular Plant-Microbe Interactions, 2008, 21, 891-908.	1.4	50
168	Nutritional Quality of Sorghum Seeds: Storage Proteins and Amino Acids. Food Biotechnology, 2008, 22, 377-397.	0.6	13
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