Ann Cuypers

List of Publications by Year
in descending order

172	12,279	28190	28224
papers	citations	55 h-index	105 g-index

175	175	175	13231
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Essential trace metals in plant responses to heat stress. Journal of Experimental Botany, 2022, 73, 1775-1788.	2.4	6
2	Essential trace metals: micronutrients with large impact. Journal of Experimental Botany, 2022, 73, 1685-1687.	2.4	4
3	Bacterial inoculant-assisted phytoremediation affects trace element uptake and metabolite content in Salix atrocinerea. Science of the Total Environment, 2022, 820, 153088.	3.9	1
4	Glutathione Is Required for the Early Alert Response and Subsequent Acclimation in Cadmium-Exposed Arabidopsis thaliana Plants. Antioxidants, 2022, 11, 6.	2.2	7
5	Magnetically treated water influences soil properties, water absorption and nutrients in Beta vulgaris L.. Research, Society and Development, 2022, 11, e45111730203.	0.0	2
6	Calcium affects uranium responses in Arabidopsis thaliana: From distribution to toxicity. Plant Physiology and Biochemistry, 2022, 185, 101-111.	2.8	5
7	Poly(lactic acid) bio-composites containing biochar particles: Effects of fillers and plasticizer on crystallization and thermal properties. EXPRESS Polymer Letters, 2021, 15, 343-360.	1.1	17
8	Chemical and Pharmacological Potential of Coccoloba cowellii, an Endemic Endangered Plant from Cuba. Molecules, 2021, 26, 935.	1.7	4
9	Changes in DNA Methylation in Arabidopsis thaliana Plants Exposed Over Multiple Generations to Gamma Radiation. Frontiers in Plant Science, 2021, 12, 611783.	1.7	21
10	Biostimulation of Vigna unguiculata subsp. sesquipedalisâ€"Cultivar Sesquipedalis (Yardlong Bean)â€"by Brevibacillus sp. B65 in Organoponic Conditions. Current Microbiology, 2021, 78, 1882-1891.	1.0	1
11	At the Crossroads of Survival and Death: The Reactive Oxygen Speciesâ€"Ethyleneâ€"Sugar Triad and the Unfolded Protein Response. Trends in Plant Science, 2021, 26, 338-351.	4.3	34
12	Arsenate-reducing bacteria affect As accumulation and tolerance in Salix atrocinerea. Science of the Total Environment, 2021, 769, 144648.	3.9	12
13	Efficient regulation of copper homeostasis underlies accession-specific sensitivities to excess copper and cadmium in roots of Arabidopsis thaliana. Journal of Plant Physiology, 2021, 261, 153434.	1.6	8
14	Arabidopsis root growth and development under metal exposure presented in an adverse outcome pathway framework. Plant, Cell and Environment, 2021, , .	2.8	6
15	Genetic Responses of Metabolically Active Limnospira indica Strain PCC 8005 Exposed to Î³-Radiation during Its Lifecycle. Microorganisms, 2021, 9, 1626.	1.6	1
16	Short-term effects of cadmium on leaf growth and nutrient transport in rice plants. Plant Science, 2021, 313, 111054.	1.7	15
17	Antifungal Activity of Extracts, Fractions, and Constituents from Coccoloba cowellii Leaves. Pharmaceuticals, 2021, 14, 917.	1.7	3
18	Bioâ€Based Poly(3-hydroxybutyrate)/Thermoplastic Starch Composites as a Host Matrix for Biochar Fillers. Journal of Polymers and the Environment, 2021, 29, 2478-2491.	2.4	10

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19	The Roots of Plant Frost Hardiness and Tolerance. Plant and Cell Physiology, 2020, 61, 3-20.	1.5	67
20	Helical and linear morphotypes of Arthrospira sp. PCC 8005 display genomic differences and respond differently to ⁶⁰Co gamma irradiation. European Journal of Phycology, 2020, 55, 129-146.	0.9	6
21	A comparative techno-economic assessment of biochar production from different residue streams using conventional and microwave pyrolysis. Bioresource Technology, 2020, 318, 124083.	4.8	91
22	Antioxidants in Plants: A Valorization Potential Emphasizing the Need for the Conservation of Plant Biodiversity in Cuba. Antioxidants, 2020, 9, 1048.	2.2	32
23	Identifying the Pressure Points of Acute Cadmium Stress Prior to Acclimation in Arabidopsis thaliana. International Journal of Molecular Sciences, 2020, 21, 6232.	1.8	15
24	Cadmium inhibits cell cycle progression and specifically accumulates in the maize leaf meristem. Journal of Experimental Botany, 2020, 71, 6418-6428.	2.4	23
25	Long-Term Cd Exposure Alters the Metabolite Profile in Stem Tissue of Medicago sativa. Cells, 2020, 9, 2707.	1.8	14
26	Glutathione: A key player in metal chelation, nutrient homeostasis, cell cycle regulation and the DNA damage response in cadmium-exposed Arabidopsis thaliana. Plant Physiology and Biochemistry, 2020, 154, 498-507.	2.8	38
27	Suppressor of Gamma Response 1 Modulates the DNA Damage Response and Oxidative Stress Response in Leaves of Cadmium-Exposed Arabidopsis thaliana. Frontiers in Plant Science, 2020, 11, 366.	1.7	24
28	Spatial analysis of the rice leaf growth zone under controlled and cadmium-exposed conditions. Environmental and Experimental Botany, 2020, 177, 104120.	2.0	34
29	Integrative response of arsenic uptake, speciation and detoxification by Salix atrocinerea. Science of the Total Environment, 2019, 689, 422-433.	3.9	22
30	Systems Biology of Metal Tolerance in Plants: A Case Study on the Effects of Cd Exposure on Two Model Plants. , 2019, , 23-37.		4
31	Cadmium and Plant Development: An Agony from Seed to Seed. International Journal of Molecular Sciences, 2019, 20, 3971.	1.8	114
32	Selection of Appropriate Reference Genes for Gene Expression Analysis under Abiotic Stresses in Salix viminalis. International Journal of Molecular Sciences, 2019, 20, 4210.	1.8	12
33	Numerical prediction of the mean residence time of solid materials in a pilot-scale rotary kiln. Powder Technology, 2019, 354, 392-401.	2.1	13
34	Does long-term cadmium exposure influence the composition of pectic polysaccharides in the cell wall of Medicago sativa stems?. BMC Plant Biology, 2019, 19, 271.	1.6	56
35	Dietary Sargassum fusiforme improves memory and reduces amyloid plaque load in an Alzheimerâ€™s disease mouse model. Scientific Reports, 2019, 9, 4908.	1.6	51
36	Relationship between Mg, B and Mn status and tomato tolerance against Cd toxicity. Journal of Environmental Management, 2019, 240, 84-92.	3.8	30

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37	The responses and recovery after gamma irradiation are highly dependent on leaf age at the time of exposure in rice (Oryza sativa L.). Environmental and Experimental Botany, 2019, 162, 157-167.	2.0	8
38	Microwave assisted and conventional pyrolysis of MDF â€“ Characterization of the produced biochars. Journal of Analytical and Applied Pyrolysis, 2019, 138, 218-230.	2.6	52
39	Chitosan-elicited defense responses in Cucumber mosaic virus (CMV)-infected tomato plants. Journal of Plant Physiology, 2019, 234-235, 9-17.	1.6	54
40	Child's buccal cell mitochondrial DNA content modifies the association between heart rate variability and recent air pollution exposure at school. Environment International, 2019, 123, 39-49.	4.8	15
41	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
42	A glimpse into the effect of sulfur supply on metabolite profiling, glutathione and phytochelatins in Panicum maximum cv. Massai exposed to cadmium. Environmental and Experimental Botany, 2018, 151, 76-88.	2.0	33
43	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. Environmental and Experimental Botany, 2018, 148, 35-46.	2.0	31
44	Accession-specific life strategies affect responses in leaves of Arabidopsis thaliana plants exposed to excess Cu and Cd. Journal of Plant Physiology, 2018, 223, 37-46.	1.6	12
45	Possible involvement of glutathione S-transferases in imazamox detoxification in an imidazolinone-resistant sunflower hybrid. Journal of Plant Physiology, 2018, 221, 62-65.	1.6	20
46	Changes in the Proteome of Medicago sativa Leaves in Response to Long-Term Cadmium Exposure Using a Cell-Wall Targeted Approach. International Journal of Molecular Sciences, 2018, 19, 2498.	1.8	41
47	Cell cycle regulation in different leaves of Arabidopsis thaliana plants grown under control and cadmium-exposed conditions. Environmental and Experimental Botany, 2018, 155, 441-452.	2.0	29
48	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
49	Longâ€term cadmium exposure influences the abundance of proteins that impact the cell wall structure in Medicago sativa stems. Plant Biology, 2018, 20, 1023-1035.	1.8	54
50	Magnetically treated water on phytochemical compounds of Rosmarinus officinalis L.. International Journal of Environment Agriculture and Biotechnology, 2018, 3, 297-303.	0.0	3
51	Placental mitochondrial DNA and CYP1A1 gene methylation as molecular signatures for tobacco smoke exposure in pregnant women and the relevance for birth weight. Journal of Translational Medicine, 2017, 15, 5.	1.8	56
52	Mycorrhization protects Betula pubescens Ehr. from metal-induced oxidative stress increasing its tolerance to grow in an industrial polluted soil. Journal of Hazardous Materials, 2017, 336, 119-127.	6.5	42
53	Identification, evolution and functional characterization of two Zn CDFâ€family transporters of the ectomycorrhizal fungus Suillus luteus. Environmental Microbiology Reports, 2017, 9, 419-427.	1.0	24
54	A novel, highly conserved metallothionein family in basidiomycete fungi and characterization of two representative SlMTa and SlMTb genes in the ectomycorrhizal fungus Suillus luteus. Environmental Microbiology, 2017, 19, 2577-2587.	1.8	26

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55	Cdâ€induced Cu deficiency responses in Arabidopsis thaliana: are phytochelatins involved?. Plant, Cell and Environment, 2017, 40, 390-400.	2.8	32
56	Dihydrofolate Reductase/Thymidylate Synthase Fine-Tunes the Folate Status and Controls Redox Homeostasis in Plants. Plant Cell, 2017, 29, 2831-2853.	3.1	64
57	ACCERBATIN, a small molecule at the intersection of auxin and reactive oxygen species homeostasis with herbicidal properties. Journal of Experimental Botany, 2017, 68, 4185-4203.	2.4	7
58	Shortâ€term phytotoxicity in Brassica napus (L.) in response to preâ€emergently applied metazachlor: A microcosm study. Environmental Toxicology and Chemistry, 2017, 36, 59-70.	2.2	12
59	Reciprocal Interactions between Cadmium-Induced Cell Wall Responses and Oxidative Stress in Plants. Frontiers in Plant Science, 2017, 8, 1867.	1.7	223
60	Molecular and Cellular Aspects of Contaminant Toxicity in Plants. Advances in Botanical Research, 2017, , 223-276.	0.5	19
61	Biomolecular Markers within the Core Axis of Aging and Particulate Air Pollution Exposure in the Elderly: A Cross-Sectional Study. Environmental Health Perspectives, 2016, 124, 943-950.	2.8	95
62	Toxicity responses of Cu and Cd: the involvement of miRNAs and the transcription factor SPL7. BMC Plant Biology, 2016, 16, 145.	1.6	44
63	Ethylene and Metal Stress: Small Molecule, Big Impact. Frontiers in Plant Science, 2016, 7, 23.	1.7	106
64	Hydrogen Peroxide, Signaling in Disguise during Metal Phytotoxicity. Frontiers in Plant Science, 2016, 7, 470.	1.7	132
65	Photosynthetic Performance of the Imidazolinone Resistant Sunflower Exposed to Single and Combined Treatment by the Herbicide Imazamox and an Amino Acid Extract. Frontiers in Plant Science, 2016, 7, 1559.	1.7	29
66	Cadmiumâ€induced and transâ€generational changes in the cultivable and total seed endophytic community of Arabidopsis thaliana. Plant Biology, 2016, 18, 376-381.	1.8	41
67	The functional role of the photosynthetic apparatus in the recovery of Brassica napus plants from pre-emergent metazachlor exposure. Journal of Plant Physiology, 2016, 196-197, 99-105.	1.6	12
68	Glutathione Metabolism in Plants Under Metal and Metalloid Stress and its Impact on the Cellular Redox Homoeostasis. , 2016, , 159-181.		2
69	Arabidopsis plants exposed to gamma radiation in two successive generations show a different oxidative stress response. Journal of Environmental Radioactivity, 2016, 165, 270-279.	0.9	28
70	The effects of the growth substrate on cultivable and total endophytic assemblages of Arabidopsis thaliana. Plant and Soil, 2016, 405, 325-336.	1.8	22
71	Metabolic responses of Arabidopsis thaliana roots and leaves to sublethal cadmium exposure are differentially influenced by ALTERNATIVE OXIDASE1a. Environmental and Experimental Botany, 2016, 124, 64-78.	2.0	32
72	Toxic effects of cadmium on flatworm stem cell dynamics: A transcriptomic and ultrastructural elucidation of underlying mechanisms. Environmental Toxicology, 2016, 31, 1217-1228.	2.1	4

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73	Quantitative Expression Analysis in Brassica napus by Northern Blot Analysis and Reverse Transcription-Quantitative PCR in a Complex Experimental Setting. PLoS ONE, 2016, 11, e0163679.	1.1	6
74	Redox-Related Mechanisms to Rebalance Cancer-Deregulated Cell Growth. Current Drug Targets, 2016, 17, 1414-1437.	1.0	4
75	Induction of Oxidative Stress and Antioxidative Mechanisms in Arabidopsis thaliana after Uranium Exposure at pH 7.5. International Journal of Molecular Sciences, 2015, 16, 12405-12423.	1.8	18
76	Gene Networks Involved in Hormonal Control of Root Development in Arabidopsis thaliana: A Framework for Studying Its Disturbance by Metal Stress. International Journal of Molecular Sciences, 2015, 16, 19195-19224.	1.8	62
77	Beneficial effects of Trichoderma harzianum T-22 in tomato seedlings infected by Cucumber mosaic virus (CMV). BioControl, 2015, 60, 135-147.	0.9	73
78	Arabidopsis thaliana seedlings show an age-dependent response on growth and DNA repair after exposure to chronic Î³-radiation. Environmental and Experimental Botany, 2015, 109, 122-130.	2.0	16
79	Renal cells exposed to cadmium in vitro and in vivo: normalizing gene expression data. Journal of Applied Toxicology, 2015, 35, 478-484.	1.4	14
80	Ethylene signalling is mediating the early cadmium-induced oxidative challenge in Arabidopsis thaliana. Plant Science, 2015, 239, 137-146.	1.7	59
81	MiRNA398b and miRNA398c are involved in the regulation of the SOD response in uranium-exposed Arabidopsis thaliana roots. Environmental and Experimental Botany, 2015, 116, 12-19.	2.0	12
82	Ethylene biosynthesis is involved in the early oxidative challenge induced by moderate Cd exposure in Arabidopsis thaliana. Environmental and Experimental Botany, 2015, 117, 1-11.	2.0	41
83	ALTERNATIVE OXIDASE1a modulates the oxidative challenge during moderate Cd exposure in Arabidopsis thaliana leaves. Journal of Experimental Botany, 2015, 66, 2967-2977.	2.4	38
84	Molecular responses in the telomere-mitochondrial axis of ageing in the elderly: A candidate gene approach. Mechanisms of Ageing and Development, 2015, 145, 51-57.	2.2	31
85	Both the concentration and redox state of glutathione and ascorbate influence the sensitivity of arabidopsis to cadmium. Annals of Botany, 2015, 116, 601-612.	1.4	70
86	Biological effects of Î±-radiation exposure by 241Am in Arabidopsis thaliana seedlings are determined both by dose rate and 241Am distribution. Journal of Environmental Radioactivity, 2015, 149, 51-63.	0.9	19
87	Oxidative stress responses induced by uranium exposure at low pH inÂleaves of Arabidopsis thaliana plants. Journal of Environmental Radioactivity, 2015, 150, 36-43.	0.9	24
88	Bacterial seed endophytes: genera, vertical transmission and interaction with plants. Environmental Microbiology Reports, 2015, 7, 40-50.	1.0	520
89	Glutathione and mitochondria determine acute defense responses and adaptive processes in cadmium-induced oxidative stress and toxicity of the kidney. Archives of Toxicology, 2015, 89, 2273-2289.	1.9	86
90	The Effect of Long-Term Cd and Ni Exposure on Seed Endophytes ofAgrostis capillarisand Their Potential Application in Phytoremediation of Metal-Contaminated Soils. International Journal of Phytoremediation, 2014, 16, 643-659.	1.7	46

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91	Reliable Gene Expression Analysis by Reverse Transcription-Quantitative PCR: Reporting and Minimizing the Uncertainty in Data Accuracy Â. Plant Cell, 2014, 26, 3829-3837.	3.1	100
92	Glutathione is a key antioxidant metabolite to cope with mercury and cadmium stress. Plant and Soil, 2014, 377, 369-381.	1.8	84
93	Response to oxidative stress induced by cadmium and copper in tobacco plants (Nicotiana tabacum) engineered with the trehalose-6-phosphate synthase gene (AtTPS1). Acta Physiologiae Plantarum, 2014, 36, 755-765.	1.0	29
94	Problems inherent to a meta-analysis of proteomics data: A case study on the plants' response to Cd in different cultivation conditions. Journal of Proteomics, 2014, 108, 30-54.	1.2	19
95	A dynamic dosimetry model for radioactive exposure scenarios in Arabidopsis thaliana. Journal of Theoretical Biology, 2014, 347, 54-62.	0.8	4
96	The pH strongly influences the uranium-induced effects on the photosynthetic apparatus of Arabidopsis thaliana plants. Plant Physiology and Biochemistry, 2014, 82, 254-261.	2.8	22
97	Differential response of Arabidopsis leaves and roots to cadmium: Glutathione-related chelating capacity vs antioxidant capacity. Plant Physiology and Biochemistry, 2014, 83, 1-9.	2.8	110
98	Cadmium-induced ethylene production and responses in Arabidopsis thaliana rely on ACS2 and ACS6 gene expression. BMC Plant Biology, 2014, 14, 214.	1.6	152
99	An organ-based approach to dose calculation in the assessment of dose-dependent biological effects of ionising radiation in Arabidopsis thaliana. Journal of Environmental Radioactivity, 2014, 133, 24-30.	0.9	16
100	Placental DNA hypomethylation in association with particulate air pollution in early life. Particle and Fibre Toxicology, 2013, 10, 22.	2.8	161
101	The role of the kinase <scp>OXI1</scp> in cadmiumâ€•and copperâ€‹induced molecular responses in <scp>A</scp>rabidopsis thaliana. Plant, Cell and Environment, 2013, 36, 1228-1238.	2.8	50
102	The need for transparency and good practices in the qPCR literature. Nature Methods, 2013, 10, 1063-1067.	9.0	251
103	A mutant of the Arabidopsis thaliana LIPOXYGENASE1 gene shows altered signalling and oxidative stress related responses after cadmium exposure. Plant Physiology and Biochemistry, 2013, 63, 272-280.	2.8	43
104	Changes in the population of seed bacteria of transgenerationally <scp><scp>Cd</scp></scp>â€‹exposed <scp>A</scp>rabidopsis thaliana. Plant Biology, 2013, 15, 971-981.	1.8	84
105	Plant sugars are crucial players in the oxidative challenge during abiotic stress: extending the traditional concept. Plant, Cell and Environment, 2013, 36, 1242-1255.	2.8	626
106	Soil-Plant Relationships of Heavy Metals and Metalloids. Environmental Pollution, 2013, , 161-193.	0.4	21
107	Alternative respiration as a primary defence during cadmium-induced mitochondrial oxidative challenge in Arabidopsis thaliana. Environmental and Experimental Botany, 2013, 91, 63-73.	2.0	30
108	Effects of pH on uranium uptake and oxidative stress responses induced in Arabidopsis thaliana. Environmental Toxicology and Chemistry, 2013, 32, 2125-2133.	2.2	50

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109	Cadmium-Induced Pathologies: Where Is the Oxidative Balance Lost (or Not)?. International Journal of Molecular Sciences, 2013, 14, 6116-6143.	1.8	240
110	The Influence of Metal Stress on the Availability and Redox State of Ascorbate, and Possible Interference with Its Cellular Functions. International Journal of Molecular Sciences, 2013, 14, 6382-6413.	1.8	92
111	Decreased Mitochondrial DNA Content in Association with Exposure to Polycyclic Aromatic Hydrocarbons in House Dust during Wintertime: From a Population Enquiry to Cell Culture. PLoS ONE, 2013, 8, e63208.	1.1	57
112	Cadmium and Health Risks. , 2013, , 338-342.		1
113	Cadmium and Oxidative Stress. , 2013, , 352-358.		0
114	Placental Mitochondrial DNA Content and Particulate Air Pollution during in Utero Life. Environmental Health Perspectives, 2012, 120, 1346-1352.	2.8	191
115	Mitogen-Activated Protein (MAP) Kinases in Plant Metal Stress: Regulation and Responses in Comparison to Other Biotic and Abiotic Stresses. International Journal of Molecular Sciences, 2012, 13, 7828-7853.	1.8	128
116	Physiological and molecular characterisation of cadmium stress in Schmidtea mediterranea. International Journal of Developmental Biology, 2012, 56, 183-191.	0.3	32
117	Glutathione Is a Key Player in Metal-Induced Oxidative Stress Defenses. International Journal of Molecular Sciences, 2012, 13, 3145-3175.	1.8	621
118	Biochemical and Functional Responses of Arabidopsis thaliana Exposed to Cadmium, Copper and Zinc. Environmental Pollution, 2012, , 239-263.	0.4	1
119	MicroRNAs in Metal Stress: Specific Roles or Secondary Responses?. International Journal of Molecular Sciences, 2012, 13, 15826-15847.	1.8	90
120	Cadmium induced oxidative stress in rat proximal tubules: To die or not to die. Free Radical Biology and Medicine, 2012, 53, S217-S218.	1.3	0
121	Exposure of Arabidopsis thaliana to excess Zn reveals a Zn-specific oxidative stress signature. Environmental and Experimental Botany, 2012, 84, 61-71.	2.0	58
122	Cadmium and Copper Stress Induce a Cellular Oxidative Challenge Leading to Damage Versus Signalling. , 2012, , 65-90.		31
123	Understanding the development of roots exposed to contaminants and the potential of plant-associated bacteria for optimization of growth. Annals of Botany, 2012, 110, 239-252.	1.4	65
124	Phytoextraction of toxic metals: a central role for glutathione. Plant, Cell and Environment, 2012, 35, 334-346.	2.8	283
125	Exposure of Arabidopsis thaliana to Cd or Cu excess leads to oxidative stress mediated alterations in MAPKinase transcript levels. Environmental and Experimental Botany, 2012, 83, 53-61.	2.0	131
126	The influence of EDDS on the metabolic and transcriptional responses induced by copper in hydroponically grown Brassica carinata seedlings. Plant Physiology and Biochemistry, 2012, 55, 43-51.	2.8	17

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127	Reference genes for qPCR assays in toxic metal and salinity stress in two flatworm model organisms. Ecotoxicology, 2012, 21, 475-484.	1.1	16
128	URANIUM INDUCED EFFECTS ON DEVELOPMENT AND MINERAL NUTRITION OFARABIDOPSIS THALIANA. Journal of Plant Nutrition, 2011, 34, 1940-1956.	0.9	36
129	Metal-Induced Oxidative Stress and Plant Mitochondria. International Journal of Molecular Sciences, 2011, 12, 6894-6918.	1.8	161
130	The cellular redox state as a modulator in cadmium and copper responses in Arabidopsis thaliana seedlings. Journal of Plant Physiology, 2011, 168, 309-316.	1.6	298
131	Study of biological effects and oxidative stress related responses in gamma irradiatedArabidopsis thalianaplants. Radioprotection, 2011, 46, S401-S407.	0.5	11
132	Survival of Cd-exposed Arabidopsis thaliana: Are these plants reproductively challenged?. Plant Physiology and Biochemistry, 2011, 49, 1084-1091.	2.8	33
133	Unraveling uranium induced oxidative stress related responses in Arabidopsis thaliana seedlings. Part II: responses in the leaves and general conclusions. Journal of Environmental Radioactivity, 2011, 102, 638-645.	0.9	37
134	Unraveling uranium induced oxidative stress related responses in Arabidopsis thaliana seedlings. Part I: responses in the roots. Journal of Environmental Radioactivity, 2011, 102, 630-637.	0.9	35
135	Antioxidants in Erica andevalensis: A comparative study between wild plants and cadmium-exposed plants under controlled conditions. Plant Physiology and Biochemistry, 2011, 49, 110-115.	2.8	31
136	Cadmium stress: an oxidative challenge. BioMetals, 2010, 23, 927-940.	1.8	823
137	Cadmium exposure in the population: from health risks to strategies of prevention. BioMetals, 2010, 23, 769-782.	1.8	350
138	The combined effect of uranium and gamma radiation on biological responses and oxidative stress induced in Arabidopsis thaliana. Journal of Environmental Radioactivity, 2010, 101, 923-930.	0.9	44
139	Life-cycle chronic gamma exposure of Arabidopsis thaliana induces growth effects but no discernable effects on oxidative stress pathways. Plant Physiology and Biochemistry, 2010, 48, 778-786.	2.8	56
140	Study of oxidative stress related responses induced in Arabidopsis thaliana following mixed exposure to uranium and cadmium. Plant Physiology and Biochemistry, 2010, 48, 879-886.	2.8	41
141	Metal-specific and NADPH oxidase dependent changes in lipoxygenase and NADPH oxidase gene expression in Arabidopsis thaliana exposed to cadmium or excess copper. Functional Plant Biology, 2010, 37, 532.	1.1	97
142	Leaf proteome responses of Arabidopsis thaliana exposed to mild cadmium stress. Journal of Plant Physiology, 2010, 167, 247-254.	1.6	155
143	Effect of low-dose chronic gamma exposure on growth and oxidative stress related responses inArabidopsis thaliana. Radioprotection, 2009, 44, 487-491.	0.5	11
144	Effect of Copper on Antioxidant Enzyme Activities and Mineral Nutrition of White Lupin Plants Grown in Nutrient Solution. Journal of Plant Nutrition, 2009, 32, 1882-1900.	0.9	11

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145	Oxidative stress-related responses at transcriptional and enzymatic levels after exposure to Cd or Cu in a multipollution context. Journal of Plant Physiology, 2009, 166, 1982-1992.	1.6	135
146	Induction of oxidative stress related responses inArabidopsis thalianafollowing uranium exposure. Radioprotection, 2009, 44, 191-196.	0.5	3
147	Effects of uranium and phosphate concentrations on oxidative stress related responses induced in Arabidopsis thaliana. Plant Physiology and Biochemistry, 2008, 46, 987-996.	2.8	63
148	Normalisation of real-time RT-PCR gene expression measurements in Arabidopsis thaliana exposed to increased metal concentrations. Planta, 2008, 227, 1343-1349.	1.6	309
149	Critical evaluation and statistical validation of a hydroponic culture system for Arabidopsis thaliana. Plant Physiology and Biochemistry, 2008, 46, 212-218.	2.8	64
150	Cadmium-induced transcriptional and enzymatic alterations related to oxidative stress. Environmental and Experimental Botany, 2008, 63, 1-8.	2.0	181
151	Tolerance of Two Hydroponically GrownSalixGenotypes to Excess Zinc. Journal of Plant Nutrition, 2007, 30, 1471-1482.	0.9	15
152	Dehydroascorbate uptake is impaired in the early response of Arabidopsis plant cell cultures to cadmium. Journal of Experimental Botany, 2007, 58, 4307-4317.	2.4	41
153	House dust as possible route of environmental exposure to cadmium and lead in the adult general population. Environmental Research, 2007, 103, 30-37.	3.7	185
154	Low cadmium exposure triggers a biphasic oxidative stress response in mice kidneys. Toxicology, 2007, 236, 29-41.	2.0	151
155	Cadmium responses in Arabidopsis thaliana: glutathione metabolism and antioxidative defence system. Physiologia Plantarum, 2007, 129, 519-528.	2.6	195
156	Subcellular localization of cadmium in roots and leaves of Arabidopsis thaliana. New Phytologist, 2007, 173, 495-508.	3.5	177
157	Exposing mice to low Cd doses triggers a biphasic oxidative stress response in the kidney: a role for Prdx2 and Nox4?. FASEB Journal, 2007, 21, A452.	0.2	2
158	Effect of uranium and cadmium uptake on oxidative stress reactions for Phaseolus vulgaris. , 2006, , 175-182.		0
159	Yeast complementation reveals a role for anArabidopsis thalianalate embryogenesis abundant (LEA)-like protein in oxidative stress tolerance. Plant Journal, 2006, 48, 743-756.	2.8	96
160	Oxidative stress reactions induced inÂbeans (PhaseolusÂvulgaris) following exposure toÂuranium. Plant Physiology and Biochemistry, 2006, 44, 795-805.	2.8	67
161	Induction of oxidative stress and antioxidative mechanisms in Phaseolus vulgaris after Cd application. Plant Physiology and Biochemistry, 2005, 43, 437-444.	2.8	262
162	Analysis of bean (Phaseolus vulgaris L.) proteins affected by copper stress. Journal of Plant Physiology, 2005, 162, 383-392.	1.6	38

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163	Peroxidases in roots and primary leaves of Phaseolus vulgaris Copper and Zinc Phytotoxicity: a comparison. Journal of Plant Physiology, 2002, 159, 869-876.	1.6	150
164	The redox status of plant cells (AsA and GSH) is sensitive to zinc imposed oxidative stress in roots and primary leaves of Phaseolus vulgaris. Plant Physiology and Biochemistry, 2001, 39, 657-664.	2.8	124
165	Biphasic effect of copper on the ascorbate-glutathione pathway in primary leaves of Phaseolus vulgaris seedlings during the early stages of metal assimilation. Physiologia Plantarum, 2000, 110, 512-517.	2.6	117
166	Physiological Responses to Heavy Metals in Higher Plants; Defence against Oxidative Stress. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1999, 54, 730-734.	0.6	103
167	Copper affects the enzymes of the ascorbate-glutathione cycle and its related metabolites in the roots ofPhaseolus vulgaris. Physiologia Plantarum, 1999, 106, 262-267.	2.6	124
168	The Chemical Behaviour of Heavy Metals Plays a Prominent Role in the Induction of Oxidative Stress. Free Radical Research, 1999, 31, 34-38.	1.5	67
169	Mung bean seedlings as bio-indicators for soil and water contamination by cadmium. Science of the Total Environment, 1997, 203, 183-197.	3.9	15
170	Proline Exogenously Supplied or Endogenously Overproduced Induces Different Nutritional, Metabolic, and Antioxidative Responses in Transgenic Tobacco Exposed to Cadmium. Journal of Plant Growth Regulation, 0, , 1.	2.8	8
171	Assessment of the Antioxidative Potential of Rosmarinus officinalis L. (Lamiaceae) Irrigated with Static Magnetic Field-Treated Water. Brazilian Archives of Biology and Technology, 0, 63, .	0.5	2
172	Imazamox detoxification and recovery of plants after application of imazamox to an imidazolinone resistant sunflower hybrid. Biologia Plantarum, 0, 64, 335-342.	1.9	5