

Rajesh Kumar Tewari

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,105
citations

236925

25
h-index

302126

39
g-index

40
all docs

40
docs citations

40
times ranked

2345
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnesium deficiency induced oxidative stress and antioxidant responses in mulberry plants. <i>Scientia Horticulturae</i> , 2006, 108, 7-14.	3.6	159
2	Macronutrient deficiencies and differential antioxidant responsesâ€™ influence on the activity and expression of superoxide dismutase in maize. <i>Plant Science</i> , 2004, 166, 687-694.	3.6	152
3	Photon flux density and light quality induce changes in growth, stomatal development, photosynthesis and transpiration of <i>Withania Somnifera</i> (L.) Dunal. plantlets. <i>Plant Cell, Tissue and Organ Culture</i> , 2007, 90, 141-151.	2.3	138
4	Modulation of oxidative stress responsive enzymes by excess cobalt. <i>Plant Science</i> , 2002, 162, 381-388.	3.6	136
5	Antioxidant responses to enhanced generation of superoxide anion radical and hydrogen peroxide in the copper-stressed mulberry plants. <i>Planta</i> , 2006, 223, 1145-1153.	3.2	131
6	Oxidative Stress and Antioxidant Responses in Young Leaves of Mulberry Plants Grown Under Nitrogen, Phosphorus or Potassium Deficiency. <i>Journal of Integrative Plant Biology</i> , 2007, 49, 313-322.	8.5	127
7	Morphology and physiology of zincâ€™stressed mulberry plants. <i>Journal of Plant Nutrition and Soil Science</i> , 2008, 171, 286-294.	1.9	88
8	Function of nitric oxide and superoxide anion in the adventitious root development and antioxidant defence in <i>Panax ginseng</i> . <i>Plant Cell Reports</i> , 2008, 27, 563-573.	5.6	80
9	Modulation of copper toxicity-induced oxidative damage by nitric oxide supply in the adventitious roots of <i>Panax ginseng</i> . <i>Plant Cell Reports</i> , 2007, 27, 171-181.	5.6	77
10	Signs of oxidative stress in the chlorotic leaves of iron starved plants. <i>Plant Science</i> , 2005, 169, 1037-1045.	3.6	76
11	Endogenous nitric oxide generation in protoplast chloroplasts. <i>Plant Cell Reports</i> , 2013, 32, 31-44.	5.6	73
12	InÂˆvitro sucrose concentration affects growth and acclimatization of <i>Alocasia amazonica</i> plantlets. <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 96, 307-315.	2.3	65
13	Cadmium Enhances Generation of Hydrogen Peroxide and Amplifies Activities of Catalase, Peroxidases and Superoxide Dismutase in Maize. <i>Journal of Agronomy and Crop Science</i> , 2008, 194, 72-80.	3.5	56
14	Iron deprivation-induced reactive oxygen species generation leads to non-autolytic PCD in <i>Brassica napus</i> leaves. <i>Environmental and Experimental Botany</i> , 2013, 91, 74-83.	4.2	56
15	Modulation of copper toxicity-induced oxidative damage by excess supply of iron in maize plants. <i>Plant Cell Reports</i> , 2008, 27, 399-409.	5.6	54
16	Nitric Oxide Elicitation Induces the Accumulation of Secondary Metabolites and Antioxidant Defense in Adventitious Roots of <i>Echinacea purpurea</i> . <i>Journal of Plant Biology</i> , 2007, 50, 636-643.	2.1	53
17	Early Signs of Oxidative Stress in Wheat Plants Subjected to Zinc Deficiency. <i>Journal of Plant Nutrition</i> , 2004, 27, 451-463.	1.9	52
18	Involvement of nitric oxide-induced NADPH oxidase in adventitious root growth and antioxidant defense in <i>Panax ginseng</i> . <i>Plant Biotechnology Reports</i> , 2008, 2, 113-122.	1.5	47

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19	Sodium nitroprusside-mediated alleviation of iron deficiency and modulation of antioxidant responses in maize plants. <i>AoB PLANTS</i> , 2010, 2010, plq002.	2.3	47
20	Salicylic Acid-induced Nitric Oxide and ROS Generation Stimulate Ginsenoside Accumulation in Panax ginseng Roots. <i>Journal of Plant Growth Regulation</i> , 2011, 30, 396-404.	5.1	47
21	Oxidative Stress Under Macronutrient Deficiency in Plants. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 832-859.	3.4	39
22	Nitric oxide retards xanthine oxidase-mediated superoxide anion generation in Phalaenopsis flower: an implication of NO in the senescence and oxidative stress regulation. <i>Plant Cell Reports</i> , 2009, 28, 267-279.	5.6	34
23	Morphology and oxidative physiology of boron-deficient mulberry plants. <i>Tree Physiology</i> , 2010, 30, 68-77.	3.1	34
24	Uranium exposure induces nitric oxide and hydrogen peroxide generation in Arabidopsis thaliana. <i>Environmental and Experimental Botany</i> , 2015, 120, 55-64.	4.2	34
25	Chloroplastic NADPH oxidase-like activity-mediated perpetual hydrogen peroxide generation in the chloroplast induces apoptotic-like death of Brassica napus leaf protoplasts. <i>Planta</i> , 2012, 235, 99-110.	3.2	29
26	Studies on the glyphosate-induced amino acid starvation and addition of precursors on caffeic acid accumulation and profiles in adventitious roots of Echinacea purpurea (L.) Moench. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 291-301.	2.3	26
27	Effect of photoperiod and light intensity on in vitro propagation of Alocasia amazonica. <i>Plant Biotechnology Reports</i> , 2008, 2, 207-212.	1.5	25
28	Excess nickel-induced changes in antioxidative processes in maize leaves. <i>Journal of Plant Nutrition and Soil Science</i> , 2007, 170, 796-802.	1.9	23
29	Morphology and oxidative physiology of sulphur-deficient mulberry plants. <i>Environmental and Experimental Botany</i> , 2010, 68, 301-308.	4.2	23
30	Temporal changes in the growth, saponin content and antioxidant defense in the adventitious roots of Panax ginseng subjected to nitric oxide elicitation. <i>Plant Biotechnology Reports</i> , 2007, 1, 227-235.	1.5	22
31	Oxidative stress and antioxidant responses of mulberry (Morus alba) plants subjected to deficiency and excess of manganese. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 3345-3356.	2.1	19
32	Evidence for a role of nitric oxide in iron homeostasis in plants. <i>Journal of Experimental Botany</i> , 2021, 72, 990-1006.	4.8	19
33	Chromium toxicity induces oxidative stress in turnip. <i>Indian Journal of Plant Physiology</i> , 2015, 20, 220-226.	0.8	15
34	The nitric oxide suppressed Arabidopsis mutants- Atnoa1 and Atnia1nia2noa1-2 produce nitric oxide in MS growth medium and on uranium exposure. <i>Plant Physiology and Biochemistry</i> , 2019, 140, 9-17.	5.8	13
35	Iron in complex with the alleged phytosiderophore 8-hydroxyquinoline induces functional iron deficiency and non-autolytic programmed cell death in rapeseed plants. <i>Environmental and Experimental Botany</i> , 2015, 109, 151-160.	4.2	11
36	The spatial patterns of oxidative stress indicators co-locate with early signs of natural senescence in maize leaves. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 949-957.	2.1	9

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37	Overproduction of stromal ferredoxin:NADPH oxidoreductase in H ₂ O ₂ -accumulating Brassica napus leaf protoplasts. Plant Molecular Biology, 2014, 86, 627-639.	3.9	7
38	Iron plays a critical role in stomatal closure in cauliflower. Environmental and Experimental Botany, 2016, 131, 68-76.	4.2	6
39	Nitric Oxide-Mediated Modulation of Functional Iron Status in Iron-Deficient Maize Plants. International Journal of Plant and Environment, 2019, 5, 78-83.	0.4	2
40	Role of Nitric Oxide in Adventitious Root Development. , 2014, , 429-443.		1