Harminder Pal Singh

List of Publications by Year
in descending order

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		81743	82410
115	5,758	39	72
papers	citations	h-index	g-index

117	117	117	5194
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigating the phytotoxic potential of Verbesina encelioides: effect on growth and performance of co-occurring weed species. Protoplasma, 2023, 260, 77-87.	1.0	5
2	Variations in leaf litter decomposition explain invasion success of Broussonetia papyrifera over confamilial non-invasive Morus alba in urban habitats. Urban Forestry and Urban Greening, 2022, 67, 127408.	2.3	6
3	Essential oils as anticancer agents: Potential role in malignancies, drug delivery mechanisms, and immune system enhancement. Biomedicine and Pharmacotherapy, 2022, 146, 112514.	2.5	69
4	Î²-Pinene alleviates arsenic (As)-induced oxidative stress by modulating enzymatic antioxidant activities in roots of Oryza sativa. Ecotoxicology and Environmental Safety, 2022, 229, 113080.	2.9	7
5	Biodegradable chelant-metal complexes enhance cadmium phytoextraction efficiency of Solanum americanum. Environmental Science and Pollution Research, 2022, 29, 57102-57111.	2.7	4
6	Evaluation of a glycolipopepetide biosurfactant from Aeromonas hydrophila RP1 for bioremediation and enhanced oil recovery. Journal of Cleaner Production, 2022, 345, 131098.	4.6	14
7	Alterations in phytotoxicity and allelochemistry in response to intraspecific variation in Parthenium hysterophorus. Ecological Complexity, 2022, 50, 100999.	1.4	4
8	Back after 40 years: a rare sighting of Eurasian Siskin Spinus spinus (Linnaeus, 1758) (Aves:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T 20935-20938.	0.1	0
9	Isolation and characterization of a novel hydrocarbonoclastic and biosurfactant producing bacterial strain: Fictibacillus phosphorivorans RP3. 3 Biotech, 2021, 11, 105.	1.1	5
10	Parthenium hysterophorus. , 2021, , 311-333.		1
11	Sensitivity of plants to high frequency electromagnetic radiation: cellular mechanisms and morphological changes. Reviews in Environmental Science and Biotechnology, 2021, 20, 55-74.	3.9	22
12	Exotic avenue plantations turning foe: Invasive potential, distribution and impact of Broussonetia papyrifera in Chandigarh, India. Urban Forestry and Urban Greening, 2021, 59, 127010.	2.3	10
13	Biomass allocation and phenotypic plasticity are key elements of successful invasion of Parthenium hysterophorus at high elevation. Environmental and Experimental Botany, 2021, 184, 104392.	2.0	36
14	Nature of phytotoxic interference of alien weed â€˜Calyptocarpus vialisâ€™ against some crop plants. Environmental Monitoring and Assessment, 2021, 193, 334.	1.3	10
15	Salicylic acid pre-treatment modulates Pb2+-induced DNA damage vis-Ã-vis oxidative stress in Allium cepa roots. Environmental Science and Pollution Research, 2021, 28, 51989-52000.	2.7	12
16	Amelioration potential of Î²-pinene on Cr(VI)-induced toxicity on morphology, physiology and ultrastructure of maize. Environmental Science and Pollution Research, 2021, 28, 62431-62443.	2.7	11
17	Cytotoxic and genotoxic assessment of agricultural soils from an industrial region. Environmental Monitoring and Assessment, 2021, 193, 526.	1.3	2
18	Phytotoxicity of essential oil of Pogostemon benghalensis and its potential use as bioherbicide. Vegetos, 2021, 34, 807-813.	0.8	3

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19	Partheninâ€"A Sesquiterpene Lactone with Multifaceted Biological Activities: Insights and Prospects. Molecules, 2021, 26, 5347.	1.7	5
20	Bridging the gap: linking morpho-functional traitsâ€™ plasticity with hyperaccumulation. Environmental Monitoring and Assessment, 2021, 193, 762.	1.3	5
21	Comparative cyto- and genotoxicity of 900â€¯MHz and 1800â€¯MHz electromagnetic field radiations in root meristems of Allium cepa. Ecotoxicology and Environmental Safety, 2020, 188, 109786.	2.9	17
22	Insights into the tolerance and phytoremediation potential of Coronopus didymus L. (Sm) grown under zinc stress. Chemosphere, 2020, 244, 125350.	4.2	47
23	Evaluating the role of phenology in managing urban invasions: A case study of Broussonetia papyrifera. Urban Forestry and Urban Greening, 2020, 48, 126583.	2.3	8
24	Pogostemon benghalensis essential oil inhibited the weed growth via causing oxidative damage. Revista Brasileira De Botanica, 2020, 43, 447-457.	0.5	9
25	Patterns of plant communities along vertical gradient in Dhauladhar Mountains in Lesser Himalayas in North-Western India. Science of the Total Environment, 2020, 716, 136919.	3.9	38
26	Appraisal of phytotoxic, cytotoxic and genotoxic potential of essential oil of a medicinal plant Vitex negundo. Industrial Crops and Products, 2020, 145, 112083.	2.5	29
27	Chemical characterization, phytotoxic, and cytotoxic activities of essential oil of Mentha longifolia. Environmental Science and Pollution Research, 2020, 27, 13512-13523.	2.7	23
28	Chemical profiling, cytotoxicity and phytotoxicity of foliar volatiles of Hyptis suaveolens. Ecotoxicology and Environmental Safety, 2019, 171, 863-870.	2.9	36
29	24-Epibrassinolide pre-treatment reduces alkaline-induced oxidative stress in red rice seedlings. Environmental Science and Pollution Research, 2019, 26, 23192-23197.	2.7	9
30	Nitric oxide induced modulations in adventitious root growth, lignin content and lignin synthesizing enzymes in the hypocotyls of Vigna radiata. Plant Physiology and Biochemistry, 2019, 141, 225-230.	2.8	15
31	Appraisal of immediate and late effects of mobile phone radiations at 2100ÂMHz on mitotic activity and DNA integrity in root meristems of Allium cepa. Protoplasma, 2019, 256, 1399-1407.	1.0	14
32	Phenotypic variations alter the ecological impact of invasive alien species: Lessons from Parthenium hysterophorus. Journal of Environmental Management, 2019, 241, 187-197.	3.8	27
33	Exposure to mobile phone radiations at 2350ÂMHz incites cyto- and genotoxic effects in root meristems of Allium cepa. Journal of Environmental Health Science & Engineering, 2019, 17, 97-104.	1.4	13
34	Î²-Pinene moderates Cr(VI) phytotoxicity by quenching reactive oxygen species and altering antioxidant machinery in maize. Environmental Science and Pollution Research, 2019, 26, 456-463.	2.7	11
35	Ethylenediamine disuccinic acid enhanced phytoextraction of nickel from contaminated soils using Coronopus didymus (L.) Sm.. Chemosphere, 2018, 205, 234-243.	4.2	56
36	Chemical Characterization and Phytotoxicity of Foliar Volatiles and Essential Oil of Callistemon viminalis. Journal of Essential Oil-bearing Plants: JEOP, 2017, 20, 535-545.	0.7	8

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37	Phytotoxicity and weed management potential of leaf extracts of Callistemon viminalis against the weeds of rice. Acta Physiologiae Plantarum, 2017, 39, 1.	1.0	7
38	Exposure to 2100 MHz electromagnetic field radiations induces reactive oxygen species generation in Allium cepa roots. Journal of Microscopy and Ultrastructure, 2017, 5, 225.	0.1	21
39	The impact of invasive Hyptis suaveolens on the floristic composition of the periurban ecosystems of Chandigarh, northwestern India. Flora: Morphology, Distribution, Functional Ecology of Plants, 2017, 233, 156-162.	0.6	26
40	Phytotoxicity and cytotoxicity of Citrus aurantiifolia essential oil and its major constituents: Limonene and citral. Industrial Crops and Products, 2017, 108, 708-715.	2.5	78
41	Alterations in photosynthetic pigments, protein, and carbohydrate metabolism in a wild plant Coronopus didymus L. (Brassicaceae) under lead stress. Acta Physiologiae Plantarum, 2017, 39, 1.	1.0	42
42	Î²-Pinene partially ameliorates Cr(VI)-inhibited growth and biochemical changes in emerging seedlings. Plant Growth Regulation, 2016, 79, 243-249.	1.8	6
43	Effect of lead on oxidative status, antioxidative response and metal accumulation in Coronopus didymus. Plant Physiology and Biochemistry, 2016, 105, 290-296.	2.8	106
44	EMF radiations (1800ÂMHz)-inhibited early seedling growth of maize (Zea mays) involves alterations in starch and sucrose metabolism. Protoplasma, 2016, 253, 1043-1049.	1.0	28
45	Allelopathic Effect of Leaves of Invasive tree Broussonetia papyrifera against some crop plants. Annals of Plant Sciences, 2016, 5, 1261.	0.2	4
46	Exogenous Nitric Oxide (NO) Interferes with Lead (Pb)-Induced Toxicity by Detoxifying Reactive Oxygen Species in Hydroponically Grown Wheat (Triticum aestivum) Roots. PLoS ONE, 2015, 10, e0138713.	1.1	77
47	Biochemical Adaptations in Zea mays Roots to Short-Term Pb2+ Exposure: ROS Generation and Metabolism. Bulletin of Environmental Contamination and Toxicology, 2015, 95, 246-253.	1.3	32
48	Eugenol-inhibited root growth in Avena fatua involves ROS-mediated oxidative damage. Pesticide Biochemistry and Physiology, 2015, 118, 64-70.	1.6	42
49	Adaptations to oxidative stress in Zea mays roots under short-term Pb2+ exposure. Biologia (Poland), 2015, 70, 190-197.	0.8	16
50	Herbicidal activity of eugenol towards some grassy and broad-leaved weeds. Journal of Pest Science, 2015, 88, 209-218.	1.9	34
51	Ferulic acid impairs rhizogenesis and root growth, and alters associated biochemical changes in mung bean (Vigna radiata) hypocotyls. Journal of Plant Interactions, 2014, 9, 267-274.	1.0	47
52	Ni+2-inhibited radicle growth in germinating wheat seeds involves alterations in sugar metabolism. Acta Physiologiae Plantarum, 2014, 36, 923-929.	1.0	4
53	Negative effect of litter of invasive weed Lantana camara on structure and composition of vegetation in the lower Siwalik Hills, northern India. Environmental Monitoring and Assessment, 2014, 186, 3379-3389.	1.3	32
54	Morphological, anatomical, and ultrastructural changes (visualized through scanning electron) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.0	12

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55	Reactive oxygen species generation and antioxidant defense system in hydroponically grown wheat (Triticum aestivum) upon Î²-pinene exposure: an early time course assessment. Acta Physiologiae Plantarum, 2014, 36, 3137-3146.	1.0	10
56	Pb-inhibited mitotic activity in onion roots involves DNA damage and disruption of oxidative metabolism. Ecotoxicology, 2014, 23, 1292-1304.	1.1	22
57	Chromium phytoextraction from tannery effluent-contaminated soil by Crotalaria juncea infested with Pseudomonas fluorescens. Environmental Science and Pollution Research, 2014, 21, 7938-7944.	2.7	4
58	Î²-Pinene inhibited germination and early growth involves membrane peroxidation. Protoplasma, 2013, 250, 691-700.	1.0	53
59	Cr(VI) Imposed Toxicity in Maize Seedlings Assessed in Terms of Disruption in Carbohydrate Metabolism. Biological Trace Element Research, 2013, 156, 316-322.	1.9	16
60	Lead (Pb)-induced biochemical and ultrastructural changes in wheat (Triticum aestivum) roots. Protoplasma, 2013, 250, 53-62.	1.0	70
61	Chromium toxicity and tolerance in plants. Environmental Chemistry Letters, 2013, 11, 229-254.	8.3	461
62	Role of Monoterpenes in Eucalyptus Communities. Current Bioactive Compounds, 2012, 8, 101-107.	0.2	9
63	A time course assessment of changes in reactive oxygen species generation and antioxidant defense in hydroponically grown wheat in response to lead ions (Pb2+). Protoplasma, 2012, 249, 1091-1100.	1.0	36
64	Assessment of inÂvitro antioxidant activity of essential oil of Eucalyptus citriodora (lemon-scented) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.5	79
65	Artemisia scoparia essential oil inhibited root growth involves reactive oxygen species (ROS)-mediated disruption of oxidative metabolism: InÂvivo ROS detection and alterations in antioxidant enzymes. Biochemical Systematics and Ecology, 2012, 44, 390-399.	0.6	33
66	Phytotoxicity of decomposing below-ground residues of Ageratum conyzoides: nature and dynamics of release of phytotoxins. Acta Physiologiae Plantarum, 2012, 34, 1075-1081.	1.0	5
67	Arsenic (As) Inhibits Radicle Emergence and Elongation in Phaseolus aureus by Altering Starch-Metabolizing Enzymes Vis-Ã-Vis Disruption of Oxidative Metabolism. Biological Trace Element Research, 2012, 146, 360-368.	1.9	42
68	Chemical characterization and phytotoxicity of volatile essential oil from leaves of Anisomeles indica (Lamiaceae). Biochemical Systematics and Ecology, 2012, 41, 104-109.	0.6	27
69	Cell phone electromagnetic field radiations affect rhizogenesis through impairment of biochemical processes. Environmental Monitoring and Assessment, 2012, 184, 1813-1821.	1.3	40
70	Growth, photosynthetic activity and oxidative stress in wheat (Triticum aestivum) after exposure of lead to soil. Journal of Environmental Biology, 2012, 33, 265-9.	0.2	30
71	Chemical characterization and allelopathic potential of volatile oil ofEucalyptus tereticornisagainstAmaranthus viridis. Journal of Plant Interactions, 2011, 6, 297-302.	1.0	31
72	Citronellol Disrupts Membrane Integrity by Inducing Free Radical Generation. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2011, 66, 260-266.	0.6	22

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73	Lead (Pb)-Inhibited Radicle Emergence in Brassica campestris Involves Alterations in Starch-Metabolizing Enzymes. Biological Trace Element Research, 2011, 144, 1295-1301.	1.9	46
74	Phytotoxic effects of Î²-pinene on early growth and associated biochemical changes in rice. Acta Physiologiae Plantarum, 2011, 33, 2369-2376.	1.0	46
75	Phytotoxic effects of volatile oil from Artemisia scoparia against weeds and its possible use as a bioherbicide. Industrial Crops and Products, 2010, 32, 54-61.	2.5	116
76	Cell Phone Radiations Affect Early Growth of Vigna radiata (Mung Bean) through Biochemical Alterations. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2010, 65, 66-72.	0.6	27
77	In vitro screening of essential oil from young and mature leaves of Artemisia scoparia compared to its major constituents for free radical scavenging activity. Food and Chemical Toxicology, 2010, 48, 1040-1044.	1.8	37
78	Mobile phone radiation inhibits Vigna radiata (mung bean) root growth by inducing oxidative stress. Science of the Total Environment, 2009, 407, 5543-5547.	3.9	63
79	Caffeic acid inhibits in vitro rooting in mung bean [Vigna radiata (L.) Wilczek] hypocotyls by inducing oxidative stress. Plant Growth Regulation, 2009, 57, 21-30.	1.8	37
80	Nature of interference potential of leaf debris of Ageratum conyzoides. Plant Growth Regulation, 2009, 57, 137-144.	1.8	17
81	Essential Oil of Artemisia scoparia Inhibits Plant Growth by Generating Reactive Oxygen Species and Causing Oxidative Damage. Journal of Chemical Ecology, 2009, 35, 154-162.	0.9	125
82	Chemical composition and antioxidant activity of essential oil from residues of Artemisia scoparia. Food Chemistry, 2009, 114, 642-645.	4.2	70
83	Role of root-mediated interactions in phytotoxic interference of Ageratum conyzoides with rice (Oryza sativa). Flora: Morphology, Distribution, Functional Ecology of Plants, 2009, 204, 388-395.	0.6	39
84	Nitric oxide alleviates arsenic toxicity by reducing oxidative damage in the roots of Oryza sativa (rice). Nitric Oxide - Biology and Chemistry, 2009, 20, 289-297.	1.2	214
85	Characterization and Antioxidant Activity of Essential Oils from Fresh and Decaying Leaves ofEucalyptus tereticornis. Journal of Agricultural and Food Chemistry, 2009, 57, 6962-6966.	2.4	54
86	Chemical composition of essential oil from leaves of Chenopodium ambrosioides from Chandigarh, India. Chemistry of Natural Compounds, 2008, 44, 378-379.	0.2	20
87	Constituents of Leaf Essential Oil of Mentha longifolia from India. Chemistry of Natural Compounds, 2008, 44, 528-529.	0.2	20
88	Caffeine affects adventitious rooting and causes biochemical changes in the hypocotyl cuttings of mung bean (Phaseolus aureus Roxb.). Acta Physiologiae Plantarum, 2008, 30, 401-405.	1.0	21
89	Nitric oxide (as sodium nitroprusside) supplementation ameliorates Cd toxicity in hydroponically grown wheat roots. Environmental and Experimental Botany, 2008, 63, 158-167.	2.0	225
90	Caffeic acid affects early growth, and morphogenetic response of hypocotyl cuttings of mung bean (Phaseolus aureus). Journal of Plant Physiology, 2008, 165, 297-305.	1.6	108

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91	Eucalyptus essential oil as a natural pesticide. Forest Ecology and Management, 2008, 256, 2166-2174.	1.4	592
92	Phytotoxicity of Major Constituents of the Volatile Oil from Leaves of Artemisia scoparia Waldst. & Kit.. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2008, 63, 663-666.	0.6	24
93	Potential utilization of dried powder of Tagetes minuta as a natural herbicide for managing rice weeds. Crop Protection, 2007, 26, 566-571.	1.0	59
94	Phytotoxicity of a medicinal plant, Anisomeles indica, against Phalaris minor and its potential use as natural herbicide in wheat fields. Crop Protection, 2007, 26, 948-952.	1.0	40
95	Alternative control of littleseed canary grass using eucalypt oil. Agronomy for Sustainable Development, 2007, 27, 171-177.	2.2	57
96	Phenolic allelochemicals released by Chenopodium murale affect the growth, nodulation and macromolecule content in chickpea and pea. Plant Growth Regulation, 2007, 51, 119-128.	1.8	102
97	Arsenic-induced root growth inhibition in mung bean (Phaseolus aureus Roxb.) is due to oxidative stress resulting from enhanced lipid peroxidation. Plant Growth Regulation, 2007, 53, 65-73.	1.8	274
98	Assessment of allelopathic interference ofChenopodium albumthrough its leachates, debris extracts, rhizosphere and amended soil. Archives of Agronomy and Soil Science, 2006, 52, 705-715.	1.3	35
99	Phytotoxicity of the Volatile Monoterpene Citronellal against Some Weeds. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2006, 61, 334-340.	0.6	51
100	Effect of 2-Benzoxazolinone (BOA) on Seedling Growth and Associated Biochemical Changes in Mung Bean (Phaseolus aureus). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2006, 61, 709-714.	0.6	13
101	Phytotoxicity of Ageratum conyzoides residues towards growth and nodulation of Cicer arietinum. Agriculture, Ecosystems and Environment, 2006, 113, 399-401.	2.5	21
102	l-DOPA (l-3,4-dihydroxyphenylalanine) affects rooting potential and associated biochemical changes in hypocotyl of mung bean, and inhibits mitotic activity in onion root tips. Plant Growth Regulation, 2006, 49, 229-235.	1.8	8
103	Chemical Composition and Inhibitory Activity of Essential Oil from Decaying Leaves of Eucalyptus citriodora. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2006, 61, 52-56.	0.6	43
104	Chemical Composition and Phytotoxicity of Volatile Essential Oil from Intact and Fallen Leaves of Eucalyptus citriodora. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2006, 61, 465-471.	0.6	69
105	Â-Pinene Inhibits Growth and Induces Oxidative Stress in Roots. Annals of Botany, 2006, 98, 1261-1269.	1.4	241
106	Phytotoxic effects of Parthenium hysterophorus residues on three Brassica species. Weed Biology and Management, 2005, 5, 105-109.	0.6	81
107	Herbicidal activity of volatile oils from Eucalyptus citriodora against Parthenium hysterophorus. Annals of Applied Biology, 2005, 146, 89-94.	1.3	115
108	Impact of Invasive Plants on the Structure and Composition of Natural Vegetation of Northwestern Indian Himalayas¹. Weed Technology, 2004, 18, 1296-1300.	0.4	74

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109	Allelopathic effect of two volatile monoterpenes against bill goat weed (Ageratum conyzoides L.). Crop Protection, 2002, 21, 347-350.	1.0	68
110	Antifungal activity of the volatile oil of Eucalyptus citriodora. FÃ¬toterapÃ¬Ã¢, 2002, 73, 261-262.	1.1	83
111	Phytotoxic effect of Parthenium residues on the selected soil properties and growth of chickpea and radish. Weed Biology and Management, 2002, 2, 73-78.	0.6	56
112	Comparative phytotoxicity of four monoterpenes against Cassia occidentalis. Annals of Applied Biology, 2002, 141, 111-116.	1.3	102
113	Effect of parthenin--a sesquiterpene lactone from Parthenium hysterophorus--on early growth and physiology of Ageratum conyzoides. Journal of Chemical Ecology, 2002, 28, 2169-2179.	0.9	36
114	Allelopathy of Gymnospermous Trees. Journal of Forest Research, 1999, 4, 245-254.	0.7	20
115	Status of Floor Vegetation under Some Monoculture and Mixculture Plantations in North India. Journal of Forest Research, 1996, 1, 205-209.	0.7	13