Vahid Niknam

List of Publications by Year in Descending Order

103 papers	1,581 citations	20 h-index	34 g-index
107 ext. papers	2,013 ext. citations	2.6 avg, IF	5.24 L-index

#	Paper	IF	Citations
103	Central role of Methyl jasmonate in resistance of wheat against crown and root rot caused by Fusarium culmorum. *Physiological and Molecular Plant Pathology*, **2022**, 119, 101812	2.6	1
102	Production of phenylethanoid glycosides under PEG-induced osmotic stress in Scrophularia Striata Boiss. Cell culture in bioreactor. *Industrial Crops and Products*, **2022**, 181, 114843	5.9	0
101	The regulatory role of □aminobutyric acid in chickpea plants depends on drought tolerance and water scarcity level.. *Scientific Reports*, **2022**, 12, 7034	4.9	3
100	The linkage between phenylethanoid glycosides biosynthetic pathway and some aromatic amino acids and carbohydrates (rhamnose and glucose) in Scrophularia striata Boiss. cell culture. *Plant Cell, Tissue and Organ Culture*, **2021**, 147, 131-145	2.7	1
99	Comparative effects of nitric oxide and salicylic acid on salinity tolerance in saffron (Crocus sativus). *Plant Biosystems*, **2021**, 155, 73-82	1.6	11
98	Nitric oxide induced carotenoid contents in under salinity. *Natural Product Research*, **2021**, 35, 888-892	2.3	4
97	Physiological Mechanism of Salicylic Acid in Mentha pulegium L. under salinity and drought stress. *Revista Brasileira De Botanica*, **2021**, 44, 359-369	1.2	8
96	Acceleration Breaks the Cells Defense Mechanisms against Vibration in Anthemis gilanica Calli. *International Journal of Agronomy*, **2021**, 2021, 1-12	1.9	1
95	CO biofixation and fatty acid composition of two indigenous Dunaliella sp. isolates (ABRIINW-CH2 and ABRIINW-SH33) in response to extremely high CO levels. *Bioprocess and Biosystems Engineering* , **2020**, 43, 1587-1597	3.7	4
94	Induction of growth and antioxidant defense mechanisms in Matricaria chamomilla L. callus by vibration. *In Vitro Cellular and Developmental Biology - Plant*, **2020**, 56, 644-651	2.3	1
93	Nitric Oxide Stimulates Antioxidant System and Osmotic Adjustment in Soybean Under Drought Stress. *Journal of Soil Science and Plant Nutrition*, **2020**, 20, 1122-1132	3.2	22
92	Sinusoidal vibration alleviates salt stress by induction of antioxidative enzymes and anatomical changes in Mentha pulegium (L.). *Acta Physiologiae Plantarum*, **2020**, 42, 1	2.6	3
91	Differential proteomics: Effect of growth regulators on salt stress responses in safflower seedlings. *Pesticide Biochemistry and Physiology*, **2020**, 164, 149-155	4.9	2
90	Antioxidative enzymes activities and accumulation of steroids in hairy roots of. *Physiology and Molecular Biology of Plants*, **2020**, 26, 281-288	2.8	5
89	A genome-wide identification, characterization and functional analysis of salt-related long non-coding RNAs in non-model plant Pistacia vera L. using transcriptome high throughput sequencing. *Scientific Reports*, **2020**, 10, 5585	4.9	15
88	The influence of different CO2 concentrations on the biochemical and molecular response of two isolates of Dunaliella sp. (ABRIINW-CH2 and ABRIINW-SH33). *Journal of Applied Phycology*, **2020**, 32, 175-187	3.2	6
87	Establishment and assessment of cell suspension cultures of Matricaria chamomilla as a possible source of apigenin under static magnetic field. *Plant Cell, Tissue and Organ Culture*, **2020**, 142, 583-593	2.7	7

86	Penconazole and calcium ameliorate drought stress in canola by upregulating the antioxidative enzymes. *Functional Plant Biology*, **2020**, 47, 825-839	2.7	6
85	Using hairy roots for production of secondary metabolites in Artemisia. *Plant Biotechnology Reports* , **2019**, 13, 263-271	2.5	7
84	Role of Penconazole in salt stress amelioration in Sesamum indicum L.. *Soil Science and Plant Nutrition*, **2019**, 65, 243-250	1.6	4
83	ISC 108 is the most effective strain for dodecane biodegradation in contaminated soils. *International Journal of Phytoremediation*, **2019**, 21, 908-920	3.9	2
82	Different effects of calcium and penconazole on primary and secondary metabolites of under drought. *Physiology and Molecular Biology of Plants*, **2019**, 25, 497-509	2.8	3
81	Diverse role of □aminobutyric acid in dynamic plant cell responses. *Plant Cell Reports*, **2019**, 38, 847-867	5.1	68
80	Antioxidative responses of Nostoc ellipsosporum and Nostoc piscinale to salt stress. *Journal of Applied Phycology*, **2019**, 31, 157-169	3.2	6
79	Effects of salicylic acid on hormonal cross talk, fatty acids profile, and ions homeostasis from salt-stressed safflower. *Journal of Plant Interactions*, **2019**, 14, 340-346	3.8	19
78	Age-dependent responses in cellular mechanisms and essential oil production in sweet Ferula assafoetida under prolonged drought stress. *Journal of Plant Interactions*, **2019**, 14, 324-333	3.8	2
77	Oxidative damage and antioxidative system in algae. *Toxicology Reports*, **2019**, 6, 1309-1313	4.8	80
76	Changes in Pistachios Essential Oil Composition during Fruit Ripening. *Journal of Essential Oil-bearing Plants: JEOP*, **2019**, 22, 1481-1487	1.7	0
75	Effects of Static Magnetic Fields on the Antioxidant System of Almond Seeds. *Russian Journal of Plant Physiology*, **2019**, 66, 299-307	1.6	9
74	Improving Salt Tolerance in Safflower Plants through Exogenous Application of Penconazole. *Agronomy Journal*, **2019**, 111, 397-407	2.2	
73	Growth enhancement and salt tolerance of Safflower (Carthamus tinctorius L.), by salicylic acid. *Current Plant Biology*, **2018**, 13, 16-22	3.3	28
72	Effects of drought stress on the seedling growth, development, and metabolic activity in different cultivars of canola. *Soil Science and Plant Nutrition*, **2018**, 64, 360-369	1.6	18
71	Changes in primary and secondary metabolites of Mentha aquatica L. exposed to different concentrations of manganese. *Environmental Science and Pollution Research*, **2018**, 25, 7575-7588	5.1	10
70	Positive effects of Penconazole on growth of Brassica napus under drought stress. *Archives of Agronomy and Soil Science*, **2018**, 64, 1791-1806	2	5
69	COP1 plays a prominent role in drought stress tolerance in Arabidopsis and Pea. *Plant Physiology and Biochemistry*, **2018**, 130, 678-691	5.4	8

68	Penconazole alleviates salt-induced damage in safflower (Carthamus tinctorius L.) plants. *Journal of Plant Interactions*, **2018**, 13, 420-427	3.8	8
67	Manganese-induced changes in glandular trichomes density and essential oils production of Mentha aquatica L. at different growth stages. *Journal of Trace Elements in Medicine and Biology*, **2018**, 50, 57-66	4.1	8
66	Penconazole and calcium improves drought stress tolerance and oil quality in canola. *Soil Science and Plant Nutrition*, **2018**, 64, 606-615	1.6	1
65	Improving tolerance against drought in canola by penconazole and calcium. *Pesticide Biochemistry and Physiology*, **2018**, 149, 123-136	4.9	8
64	Phenolic compounds profiling in shake flask and bioreactor system cell cultures of Scrophularia striata Boiss. *In Vitro Cellular and Developmental Biology - Plant*, **2018**, 54, 444-453	2.3	7
63	Central role of salicylic acid in resistance of safflower (Carthamus tinctorius L.) against salinity. *Journal of Plant Interactions*, **2017**, 12, 414-420	3.8	10
62	Induction of basal resistance by methyl jasmonate against Fusarium culmorum in bread wheat. *Cereal Research Communications*, **2017**, 45, 248-259	1.1	3
61	A Multivariate Analysis of the Composition and Properties of Extra Virgin Olive Oils Produced from Different Cultivars Grown in Iran. *Journal of AOAC INTERNATIONAL*, **2017**, 100, 1804-1813	1.7	2
60	Physiological and molecular responses of resistant and susceptible wheat cultivars to Fusarium graminearum mycotoxin extract. *Canadian Journal of Plant Pathology*, **2017**, 39, 444-453	1.6	5
59	Ultrasound-assisted extraction process of phenolic antioxidants from Olive leaves: a nutraceutical study using RSM and LC-ESI-DAD-MS. *Journal of Food Science and Technology*, **2017**, 54, 2361-2371	3.3	37
58	High-frequency vibration improve callus growth via antioxidant enzymes induction in Hyoscyamus kurdicus. *Plant Cell, Tissue and Organ Culture*, **2017**, 128, 231-241	2.7	8
57	Exogenous Methyl Jasmonate Treatment Induces Defense Response Against Fusarium culmorum in Wheat Seedlings. *Journal of Plant Growth Regulation*, **2017**, 36, 71-82	4.7	8
56	Bioproduction of phenylethanoid glycosides by plant cell culture of Scrophularia striata Boiss.: from shake-flasks to bioreactor. *Plant Cell, Tissue and Organ Culture*, **2016**, 124, 275-281	2.7	20
55	Association of hp1181 and hp1184 Genes With the Active Efflux Phenotype in Multidrug-Resistant Isolates of Helicobacter pylori. *Jundishapur Journal of Microbiology*, **2016**, 9, e30726	1.2	4
54	Central Role of Salicylic Acid in Resistance of Wheat Against Fusarium graminearum. *Journal of Plant Growth Regulation*, **2016**, 35, 477-491	4.7	33
53	Lack of association between Fusarium graminearum resistance in spike and crude extract tolerance in seedling of wheat. *European Journal of Plant Pathology*, **2016**, 144, 525-538	2.1	9
52	Effect of salinity and waterlogging on growth, anatomical and antioxidative responses in Mentha aquatica L.. *Acta Physiologiae Plantarum*, **2016**, 38, 1	2.6	33
51	Developmental changes of protein, proline and some antioxidant enzymes activities in somatic and zygotic embryos of Persian walnut (Juglans regia L.). *Plant Cell, Tissue and Organ Culture*, **2015**, 122, 101-115	2.7	36

50	Methyl Jasmonate Strengthens Wheat Plants Against Root and Crown Rot Pathogen Fusarium culmorum Infection. *Journal of Plant Growth Regulation*, **2015**, 34, 624-636	4.7	8
49	The effect of methyl jasmonate on enzyme activities in wheat genotypes infected by the crown and root rot pathogen Fusarium culmorum. *Acta Physiologiae Plantarum*, **2015**, 37, 1	2.6	14
48	Histological and biochemical parameters of Crocus sativus during in vitro root and shoot organogenesis. *Biologia Plantarum*, **2014**, 58, 201-208	2.1	8
47	The alleviating effects of selenium and salicylic acid in salinity exposed soybean. *Acta Physiologiae Plantarum*, **2014**, 36, 3199-3205	2.6	38
46	Effect of penconazole and drought stress on the essential oil composition and gene expression of Mentha pulegium L. (Lamiaceae) at flowering stage. *Acta Physiologiae Plantarum*, **2014**, 36, 1167-1175	2.6	19
45	Plant hormones as signals in arbuscular mycorrhizal symbiosis. *Critical Reviews in Biotechnology*, **2014**, 34, 123-33	9.4	53
44	Effect of lead treatment on medicarpin accumulation and on the gene expression of key enzymes involved in medicarpin biosynthesis in Medicago sativa L. *Environmental Science and Pollution Research*, **2014**, 21, 14091-8	5.1	8
43	Exogenous application of penconazole regulates plant growth and antioxidative responses in salt-stressed Mentha pulegium L.. *Journal of Plant Interactions*, **2014**, 9, 791-801	3.8	17
42	Antioxidative enzymes in two in vitro cultured Salicornia species in response to increasing salinity. *Biologia Plantarum*, **2014**, 58, 391-394	2.1	9
41	Anticancer properties of Teucrium persicum in PC-3 prostate cancer cells. *Asian Pacific Journal of Cancer Prevention*, **2014**, 15, 785-91	1.7	16
40	Expression analysis of dehydrin multigene family across tolerant and susceptible barley (Hordeum vulgare L.) genotypes in response to terminal drought stress. *Acta Physiologiae Plantarum*, **2013**, 35, 2289-2297	2.6	28
39	Population Structure and Genetic Diversity ofPrunus scopariain Iran. *Annales Botanici Fennici*, **2013**, 50, 327-336	0.3	5
38	Penconazole induced changes in photosynthesis, ion acquisition and protein profile of Mentha pulegium L. under drought stress. *Physiology and Molecular Biology of Plants*, **2013**, 19, 489-98	2.8	15
37	Antioxidative responses in calli of two populations of Acanthophyllum laxiusculum with and without B-chromosomes under salt stress. *Pakistan Journal of Biological Sciences*, **2013**, 16, 1-11	0.8	2
36	Effect of phytoplasma infection on metabolite content and antioxidant enzyme activity in lime (Citrus aurantifolia). *Acta Physiologiae Plantarum*, **2012**, 34, 561-568	2.6	25
35	COMPARATIVE ANALYSIS OF SOME PHYSIOLOGICAL RESPONSES OF RICE SEEDLINGS TO COLD, SALT, AND DROUGHT STRESSES. *Journal of Plant Nutrition*, **2012**, 35, 1037-1052	2.3	10
34	The effects of excess copper on antioxidative enzymes, lipid peroxidation, proline, chlorophyll, and concentration of Mn, Fe, and Cu in Astragalus neo-mobayenii. *Scientific World Journal, The*, **2012**, 2012, 615670	2.2	20
33	Biological effects of weak electromagnetic field on healthy and infected lime (Citrus aurantifolia) trees with phytoplasma. *Scientific World Journal, The*, **2012**, 2012, 716929	2.2	8

32	Effects of penconazole and water deficit stress on physiological and antioxidative responses in pennyroyal (Mentha pulegium L.). *Acta Physiologiae Plantarum*, **2012**, 34, 1537-1549	2.6	23
31	The effect of drought stress and exogenous abscisic acid on growth, protein content and antioxidative enzyme activity in saffron (Crocus sativus L.). *African Journal of Biotechnology*, **2011**, 10, 9068-7075	0.6	5
30	The effect of salt stress on lipid peroxidation and antioxidative enzymes in callus of two Acanthophyllum species. *In Vitro Cellular and Developmental Biology - Plant*, **2011**, 47, 297-308	2.3	13
29	Effects of Iso-osmotic Concentrations of NaCl and Mannitol on some Metabolic Activity in Calluses of Two Salicornia species. *In Vitro Cellular and Developmental Biology - Plant*, **2011**, 47, 734-742	2.3	20
28	Effect of salt stress on physiological and antioxidative responses in two species of Salicornia (S. persica and S. europaea). *Acta Physiologiae Plantarum*, **2011**, 33, 1261-1270	2.6	46
27	Composition of essential oils in subterranean organs of three species of Valeriana L. *Natural Product Research*, **2010**, 24, 1834-42	2.3	14
26	Salt stress responses of a halophytic grass Aeluropus lagopoides and subsequent recovery. *Russian Journal of Plant Physiology*, **2010**, 57, 784-791	1.6	10
25	Activity of antioxidant enzyme during in vitro organogenesis in Crocus sativus. *Biologia Plantarum*, **2010**, 54, 509-514	2.1	40
24	The role of active efflux in antibiotic - resistance of clinical isolates of Helicobacter pylori. *Indian Journal of Medical Microbiology*, **2009**, 27, 335-40	1.3	10
23	In vitro organogenesis and antioxidant enzymes activity in Acanthophyllum sordidum. *Biologia Plantarum*, **2009**, 53, 5-10	2.1	37
22	Salt stress effects on growth, pigments, proteins and lipid peroxidation in Salicornia persica and S. europaea. *Biologia Plantarum*, **2009**, 53, 243-248	2.1	91
21	Contractile roots are the most sensitive organ in Crocus sativus to salt stress. *Biologia Plantarum*, **2009**, 53, 523-529	2.1	16
20	Proton motive force-dependent efflux of tetracycline in clinical isolates of Helicobacter pylori. *Journal of Medical Microbiology*, **2009**, 58, 1309-1313	3.2	24
19	Evaluation of Some Iranian Wild Species from Valerianaceae as Commercial Sources of Valepotriates. *Journal of Biological Sciences*, **2008**, 8, 549-555	0.4	5
18	Isozyme variation in some populations of wild diploid wheats in Iran. *Biochemical Systematics and Ecology*, **2007**, 35, 363-371	1.4	6
17	Isoenzyme variation patterns and species concept in Astragalus gossypinus and Astragalus persicus complexes (Fabaceae) in Iran. *Biochemical Systematics and Ecology*, **2007**, 35, 757-763	1.4	4
16	Effect of drought on biomass, protein content, lipid peroxidation and antioxidant enzymes in two sesame cultivars. *Biologia Plantarum*, **2007**, 51, 98-103	2.1	160
15	Spine anatomy and its systematic application in Astragalus sect. Rhacophorus s. L. (Fabaceae) in Iran. *Flora: Morphology, Distribution, Functional Ecology of Plants*, **2006**, 201, 240-247	1.9	10

14	Comparison of bacterial and plant genes participating in proline biosynthesis with Osmotin gene, with respect to enhancing salinity tolerance of transgenic tobacco plants. *Russian Journal of Plant Physiology*, **2006**, 53, 110-115	1.6	19
13	Effect of NaCl on biomass, protein and proline contents, and antioxidant enzymes in seedlings and calli of two Trigonella species. *Biologia Plantarum*, **2006**, 50, 591-596	2.1	38
12	Effect of Drought on Water Relations, Growth and Solute Accumulation in Two Sesame Cultivars. *Pakistan Journal of Biological Sciences*, **2006**, 9, 1829-1835	0.8	9
11	SOMATIC EMBRYOGENESIS AND EMBRYO MATURATION IN PERSIAN WALNUT. *Acta Horticulturae*, **2005**, 199-205	0.3	4
10	Isozyme variation in some populations of a rare endemic species Astragalus submitis (Fabaceae) in Iran. *Biochemical Systematics and Ecology*, **2004**, 32, 675-684	1.4	3
9	Effect of NaCl on Biomass and Contents of Sugars, Proline and Proteins in Seedlings and Leaf Explants of Nicotiana tabacum Grown in vitro. *Biologia Plantarum*, **2004**, 48, 613-615	2.1	20
8	Toxic nitro compounds in Astragalus species. *Biochemical Systematics and Ecology*, **2003**, 31, 557-562	1.4	8
7	Improved production of erythromycin by Saccharopolyspora erythraea by various plant oils. *Biotechnology Letters*, **2002**, 24, 697-700	3	12
6	The sterols of Astragalus species from Iran: GLC separation and quantification. *Biochemical Systematics and Ecology*, **2001**, 29, 393-404	1.4	11
5	Nitro compounds in Astragalus species from Iran. *Biochemical Systematics and Ecology*, **1999**, 27, 743-751	1.4	8
4	Study of hairy root formation and plant regeneration in Nicotiana tabaccum. *Biologia (Poland)*,1	1.5	1
3	Application of sodium salicylate up-regulates defense responseagainst Fusarium graminearum in wheat spikes. *Biologia Plantarum*,63, 690-698	2.1	0
2	Salicylic Acid, as a Positive Regulator of Isochorismate Synthase, Reduces the Negative Effect of Salt Stress on Pistacia vera L. by Increasing Photosynthetic Pigments and Inducing Antioxidant Activity. *Journal of Plant Growth Regulation*,1	4.7	1
1	Removal of Phenanthrene by some microalga species and study of antioxidative compounds in Nostoc calcicola ISC 89. *Journal of Soils and Sediments*,1	3.4	0