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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Effect of drought on biomass, protein content, lipid peroxidation and antioxidant enzymes in two sesame cultivars. <i>Biologia Plantarum</i> , 2007 , 51, 98-103	2.1	160
102	Salt stress effects on growth, pigments, proteins and lipid peroxidation in <i>Salicornia persica</i> and <i>S. europaea</i> . <i>Biologia Plantarum</i> , 2009 , 53, 243-248	2.1	91
101	Oxidative damage and antioxidative system in algae. <i>Toxicology Reports</i> , 2019 , 6, 1309-1313	4.8	80
100	Diverse role of L-aminobutyric acid in dynamic plant cell responses. <i>Plant Cell Reports</i> , 2019 , 38, 847-867	5.1	68
99	Plant hormones as signals in arbuscular mycorrhizal symbiosis. <i>Critical Reviews in Biotechnology</i> , 2014 , 34, 123-33	9.4	53
98	Effect of salt stress on physiological and antioxidative responses in two species of <i>Salicornia</i> (<i>S. persica</i> and <i>S. europaea</i>). <i>Acta Physiologiae Plantarum</i> , 2011 , 33, 1261-1270	2.6	46
97	Activity of antioxidant enzyme during in vitro organogenesis in <i>Crocus sativus</i> . <i>Biologia Plantarum</i> , 2010 , 54, 509-514	2.1	40
96	The alleviating effects of selenium and salicylic acid in salinity exposed soybean. <i>Acta Physiologiae Plantarum</i> , 2014 , 36, 3199-3205	2.6	38
95	Effect of NaCl on biomass, protein and proline contents, and antioxidant enzymes in seedlings and calli of two <i>Trigonella</i> species. <i>Biologia Plantarum</i> , 2006 , 50, 591-596	2.1	38
94	Ultrasound-assisted extraction process of phenolic antioxidants from Olive leaves: a nutraceutical study using RSM and LC-ESI-DAD-MS. <i>Journal of Food Science and Technology</i> , 2017 , 54, 2361-2371	3.3	37
93	In vitro organogenesis and antioxidant enzymes activity in <i>Acanthophyllum sordidum</i> . <i>Biologia Plantarum</i> , 2009 , 53, 5-10	2.1	37
92	Developmental changes of protein, proline and some antioxidant enzymes activities in somatic and zygotic embryos of Persian walnut (<i>Juglans regia</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2015 , 122, 101-115	2.7	36
91	Central Role of Salicylic Acid in Resistance of Wheat Against <i>Fusarium graminearum</i> . <i>Journal of Plant Growth Regulation</i> , 2016 , 35, 477-491	4.7	33
90	Effect of salinity and waterlogging on growth, anatomical and antioxidative responses in <i>Mentha aquatica</i> L.. <i>Acta Physiologiae Plantarum</i> , 2016 , 38, 1	2.6	33
89	Growth enhancement and salt tolerance of Safflower (<i>Carthamus tinctorius</i> L.), by salicylic acid. <i>Current Plant Biology</i> , 2018 , 13, 16-22	3.3	28
88	Expression analysis of dehydrin multigene family across tolerant and susceptible barley (<i>Hordeum vulgare</i> L.) genotypes in response to terminal drought stress. <i>Acta Physiologiae Plantarum</i> , 2013 , 35, 2289-2297	2.6	28
87	Effect of phytoplasma infection on metabolite content and antioxidant enzyme activity in lime (<i>Citrus aurantifolia</i>). <i>Acta Physiologiae Plantarum</i> , 2012 , 34, 561-568	2.6	25

86	Proton motive force-dependent efflux of tetracycline in clinical isolates of <i>Helicobacter pylori</i> . <i>Journal of Medical Microbiology</i> , 2009 , 58, 1309-1313	3.2	24
85	Effects of penconazole and water deficit stress on physiological and antioxidative responses in pennyroyal (<i>Mentha pulegium</i> L.). <i>Acta Physiologiae Plantarum</i> , 2012 , 34, 1537-1549	2.6	23
84	Nitric Oxide Stimulates Antioxidant System and Osmotic Adjustment in Soybean Under Drought Stress. <i>Journal of Soil Science and Plant Nutrition</i> , 2020 , 20, 1122-1132	3.2	22
83	Bioproduction of phenylethanoid glycosides by plant cell culture of <i>Scrophularia striata</i> Boiss.: from shake-flasks to bioreactor. <i>Plant Cell, Tissue and Organ Culture</i> , 2016 , 124, 275-281	2.7	20
82	The effects of excess copper on antioxidative enzymes, lipid peroxidation, proline, chlorophyll, and concentration of Mn, Fe, and Cu in <i>Astragalus neo-mobayenii</i> . <i>Scientific World Journal, The</i> , 2012 , 2012, 615670	2.2	20
81	Effects of Iso-osmotic Concentrations of NaCl and Mannitol on some Metabolic Activity in Calluses of Two <i>Salicornia</i> species. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2011 , 47, 734-742	2.3	20
80	Effect of NaCl on Biomass and Contents of Sugars, Proline and Proteins in Seedlings and Leaf Explants of <i>Nicotiana tabacum</i> Grown in vitro. <i>Biologia Plantarum</i> , 2004 , 48, 613-615	2.1	20
79	Effects of salicylic acid on hormonal cross talk, fatty acids profile, and ions homeostasis from salt-stressed safflower. <i>Journal of Plant Interactions</i> , 2019 , 14, 340-346	3.8	19
78	Effect of penconazole and drought stress on the essential oil composition and gene expression of <i>Mentha pulegium</i> L. (Lamiaceae) at flowering stage. <i>Acta Physiologiae Plantarum</i> , 2014 , 36, 1167-1175	2.6	19
77	Comparison of bacterial and plant genes participating in proline biosynthesis with Osmotin gene, with respect to enhancing salinity tolerance of transgenic tobacco plants. <i>Russian Journal of Plant Physiology</i> , 2006 , 53, 110-115	1.6	19
76	Effects of drought stress on the seedling growth, development, and metabolic activity in different cultivars of canola. <i>Soil Science and Plant Nutrition</i> , 2018 , 64, 360-369	1.6	18
75	Exogenous application of penconazole regulates plant growth and antioxidative responses in salt-stressed <i>Mentha pulegium</i> L.. <i>Journal of Plant Interactions</i> , 2014 , 9, 791-801	3.8	17
74	Contractile roots are the most sensitive organ in <i>Crocus sativus</i> to salt stress. <i>Biologia Plantarum</i> , 2009 , 53, 523-529	2.1	16
73	Anticancer properties of <i>Teucrium persicum</i> in PC-3 prostate cancer cells. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014 , 15, 785-91	1.7	16
72	A genome-wide identification, characterization and functional analysis of salt-related long non-coding RNAs in non-model plant <i>Pistacia vera</i> L. using transcriptome high throughput sequencing. <i>Scientific Reports</i> , 2020 , 10, 5585	4.9	15
71	Penconazole induced changes in photosynthesis, ion acquisition and protein profile of <i>Mentha pulegium</i> L. under drought stress. <i>Physiology and Molecular Biology of Plants</i> , 2013 , 19, 489-98	2.8	15
70	The effect of methyl jasmonate on enzyme activities in wheat genotypes infected by the crown and root rot pathogen <i>Fusarium culmorum</i> . <i>Acta Physiologiae Plantarum</i> , 2015 , 37, 1	2.6	14
69	Composition of essential oils in subterranean organs of three species of <i>Valeriana</i> L. <i>Natural Product Research</i> , 2010 , 24, 1834-42	2.3	14

68	The effect of salt stress on lipid peroxidation and antioxidative enzymes in callus of two <i>Acanthophyllum</i> species. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2011 , 47, 297-308	2.3	13
67	Improved production of erythromycin by <i>Saccharopolyspora erythraea</i> by various plant oils. <i>Biotechnology Letters</i> , 2002 , 24, 697-700	3	12
66	The sterols of <i>Astragalus</i> species from Iran: GLC separation and quantification. <i>Biochemical Systematics and Ecology</i> , 2001 , 29, 393-404	1.4	11
65	Comparative effects of nitric oxide and salicylic acid on salinity tolerance in saffron (<i>Crocus sativus</i>). <i>Plant Biosystems</i> , 2021 , 155, 73-82	1.6	11
64	Central role of salicylic acid in resistance of safflower (<i>Carthamus tinctorius</i> L.) against salinity. <i>Journal of Plant Interactions</i> , 2017 , 12, 414-420	3.8	10
63	Changes in primary and secondary metabolites of <i>Mentha aquatica</i> L. exposed to different concentrations of manganese. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 7575-7588	5.1	10
62	COMPARATIVE ANALYSIS OF SOME PHYSIOLOGICAL RESPONSES OF RICE SEEDLINGS TO COLD, SALT, AND DROUGHT STRESSES. <i>Journal of Plant Nutrition</i> , 2012 , 35, 1037-1052	2.3	10
61	The role of active efflux in antibiotic - resistance of clinical isolates of <i>Helicobacter pylori</i> . <i>Indian Journal of Medical Microbiology</i> , 2009 , 27, 335-40	1.3	10
60	Salt stress responses of a halophytic grass <i>Aeluropus lagopoides</i> and subsequent recovery. <i>Russian Journal of Plant Physiology</i> , 2010 , 57, 784-791	1.6	10
59	Spine anatomy and its systematic application in <i>Astragalus</i> sect. <i>Rhacophorus</i> s. L. (Fabaceae) in Iran. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2006 , 201, 240-247	1.9	10
58	Antioxidative enzymes in two in vitro cultured <i>Salicornia</i> species in response to increasing salinity. <i>Biologia Plantarum</i> , 2014 , 58, 391-394	2.1	9
57	Effect of Drought on Water Relations, Growth and Solute Accumulation in Two Sesame Cultivars. <i>Pakistan Journal of Biological Sciences</i> , 2006 , 9, 1829-1835	0.8	9
56	Lack of association between <i>Fusarium graminearum</i> resistance in spike and crude extract tolerance in seedling of wheat. <i>European Journal of Plant Pathology</i> , 2016 , 144, 525-538	2.1	9
55	Effects of Static Magnetic Fields on the Antioxidant System of Almond Seeds. <i>Russian Journal of Plant Physiology</i> , 2019 , 66, 299-307	1.6	9
54	Methyl Jasmonate Strengthens Wheat Plants Against Root and Crown Rot Pathogen <i>Fusarium culmorum</i> Infection. <i>Journal of Plant Growth Regulation</i> , 2015 , 34, 624-636	4.7	8
53	COP1 plays a prominent role in drought stress tolerance in <i>Arabidopsis</i> and <i>Pea</i> . <i>Plant Physiology and Biochemistry</i> , 2018 , 130, 678-691	5.4	8
52	Penconazole alleviates salt-induced damage in safflower (<i>Carthamus tinctorius</i> L.) plants. <i>Journal of Plant Interactions</i> , 2018 , 13, 420-427	3.8	8
51	Manganese-induced changes in glandular trichomes density and essential oils production of <i>Mentha aquatica</i> L. at different growth stages. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018 , 50, 57-66	4.1	8

50	Histological and biochemical parameters of <i>Crocus sativus</i> during in vitro root and shoot organogenesis. <i>Biologia Plantarum</i> , 2014 , 58, 201-208	2.1	8
49	High-frequency vibration improve callus growth via antioxidant enzymes induction in <i>Hyoscyamus kurdicus</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2017 , 128, 231-241	2.7	8
48	Exogenous Methyl Jasmonate Treatment Induces Defense Response Against <i>Fusarium culmorum</i> in Wheat Seedlings. <i>Journal of Plant Growth Regulation</i> , 2017 , 36, 71-82	4.7	8
47	Effect of lead treatment on medicarpin accumulation and on the gene expression of key enzymes involved in medicarpin biosynthesis in <i>Medicago sativa</i> L. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 14091-8	5.1	8
46	Biological effects of weak electromagnetic field on healthy and infected lime (<i>Citrus aurantifolia</i>) trees with phytoplasma. <i>Scientific World Journal, The</i> , 2012 , 2012, 716929	2.2	8
45	Toxic nitro compounds in <i>Astragalus</i> species. <i>Biochemical Systematics and Ecology</i> , 2003 , 31, 557-562	1.4	8
44	Nitro compounds in <i>Astragalus</i> species from Iran. <i>Biochemical Systematics and Ecology</i> , 1999 , 27, 743-751	1.4	8
43	Physiological Mechanism of Salicylic Acid in <i>Mentha pulegium</i> L. under salinity and drought stress. <i>Revista Brasileira De Botanica</i> , 2021 , 44, 359-369	1.2	8
42	Improving tolerance against drought in canola by penconazole and calcium. <i>Pesticide Biochemistry and Physiology</i> , 2018 , 149, 123-136	4.9	8
41	Using hairy roots for production of secondary metabolites in <i>Artemisia</i> . <i>Plant Biotechnology Reports</i> , 2019 , 13, 263-271	2.5	7
40	Establishment and assessment of cell suspension cultures of <i>Matricaria chamomilla</i> as a possible source of apigenin under static magnetic field. <i>Plant Cell, Tissue and Organ Culture</i> , 2020 , 142, 583-593	2.7	7
39	Phenolic compounds profiling in shake flask and bioreactor system cell cultures of <i>Scrophularia striata</i> Boiss. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2018 , 54, 444-453	2.3	7
38	Antioxidative responses of <i>Nostoc ellipsosporum</i> and <i>Nostoc piscinale</i> to salt stress. <i>Journal of Applied Phycology</i> , 2019 , 31, 157-169	3.2	6
37	Isozyme variation in some populations of wild diploid wheats in Iran. <i>Biochemical Systematics and Ecology</i> , 2007 , 35, 363-371	1.4	6
36	The influence of different CO ₂ concentrations on the biochemical and molecular response of two isolates of <i>Dunaliella</i> sp. (ABRIINW-CH2 and ABRIINW-SH33). <i>Journal of Applied Phycology</i> , 2020 , 32, 1753-187	3.3	6
35	Penconazole and calcium ameliorate drought stress in canola by upregulating the antioxidative enzymes. <i>Functional Plant Biology</i> , 2020 , 47, 825-839	2.7	6
34	Antioxidative enzymes activities and accumulation of steroids in hairy roots of. <i>Physiology and Molecular Biology of Plants</i> , 2020 , 26, 281-288	2.8	5
33	Positive effects of Penconazole on growth of <i>Brassica napus</i> under drought stress. <i>Archives of Agronomy and Soil Science</i> , 2018 , 64, 1791-1806	2	5

32	Population Structure and Genetic Diversity of <i>Prunus scoparia</i> in Iran. <i>Annales Botanici Fennici</i> , 2013 , 50, 327-336	0.3	5
31	Physiological and molecular responses of resistant and susceptible wheat cultivars to <i>Fusarium graminearum</i> mycotoxin extract. <i>Canadian Journal of Plant Pathology</i> , 2017 , 39, 444-453	1.6	5
30	The effect of drought stress and exogenous abscisic acid on growth, protein content and antioxidative enzyme activity in saffron (<i>Crocus sativus</i> L.). <i>African Journal of Biotechnology</i> , 2011 , 10, 9068-7075	0.6	5
29	Evaluation of Some Iranian Wild Species from Valerianaceae as Commercial Sources of Valepotriates. <i>Journal of Biological Sciences</i> , 2008 , 8, 549-555	0.4	5
28	Role of Penconazole in salt stress amelioration in <i>Sesamum indicum</i> L.. <i>Soil Science and Plant Nutrition</i> , 2019 , 65, 243-250	1.6	4
27	CO biofixation and fatty acid composition of two indigenous <i>Dunaliella</i> sp. isolates (ABRIINW-CH2 and ABRIINW-SH33) in response to extremely high CO levels. <i>Bioprocess and Biosystems Engineering</i> , 2020 , 43, 1587-1597	3.7	4
26	Isoenzyme variation patterns and species concept in <i>Astragalus gossypinus</i> and <i>Astragalus persicus</i> complexes (Fabaceae) in Iran. <i>Biochemical Systematics and Ecology</i> , 2007 , 35, 757-763	1.4	4
25	SOMATIC EMBRYOGENESIS AND EMBRYO MATURATION IN PERSIAN WALNUT. <i>Acta Horticulturae</i> , 2005 , 199-205	0.3	4
24	Association of hp1181 and hp1184 Genes With the Active Efflux Phenotype in Multidrug-Resistant Isolates of <i>Helicobacter pylori</i> . <i>Jundishapur Journal of Microbiology</i> , 2016 , 9, e30726	1.2	4
23	Nitric oxide induced carotenoid contents in under salinity. <i>Natural Product Research</i> , 2021 , 35, 888-892	2.3	4
22	Different effects of calcium and penconazole on primary and secondary metabolites of under drought. <i>Physiology and Molecular Biology of Plants</i> , 2019 , 25, 497-509	2.8	3
21	Sinusoidal vibration alleviates salt stress by induction of antioxidative enzymes and anatomical changes in <i>Mentha pulegium</i> (L.). <i>Acta Physiologiae Plantarum</i> , 2020 , 42, 1	2.6	3
20	Induction of basal resistance by methyl jasmonate against <i>Fusarium culmorum</i> in bread wheat. <i>Cereal Research Communications</i> , 2017 , 45, 248-259	1.1	3
19	Isozyme variation in some populations of a rare endemic species <i>Astragalus submitis</i> (Fabaceae) in Iran. <i>Biochemical Systematics and Ecology</i> , 2004 , 32, 675-684	1.4	3
18	The regulatory role of β -aminobutyric acid in chickpea plants depends on drought tolerance and water scarcity level.. <i>Scientific Reports</i> , 2022 , 12, 7034	4.9	3
17	ISC 108 is the most effective strain for dodecane biodegradation in contaminated soils. <i>International Journal of Phytoremediation</i> , 2019 , 21, 908-920	3.9	2
16	Differential proteomics: Effect of growth regulators on salt stress responses in safflower seedlings. <i>Pesticide Biochemistry and Physiology</i> , 2020 , 164, 149-155	4.9	2
15	A Multivariate Analysis of the Composition and Properties of Extra Virgin Olive Oils Produced from Different Cultivars Grown in Iran. <i>Journal of AOAC INTERNATIONAL</i> , 2017 , 100, 1804-1813	1.7	2

14	Age-dependent responses in cellular mechanisms and essential oil production in sweet Ferula assafoetida under prolonged drought stress. <i>Journal of Plant Interactions</i> , 2019 , 14, 324-333	3.8	2
13	Antioxidative responses in calli of two populations of Acanthophyllum laxiusculum with and without B-chromosomes under salt stress. <i>Pakistan Journal of Biological Sciences</i> , 2013 , 16, 1-11	0.8	2
12	Induction of growth and antioxidant defense mechanisms in Matricaria chamomilla L. callus by vibration. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2020 , 56, 644-651	2.3	1
11	Study of hairy root formation and plant regeneration in Nicotiana tabaccum. <i>Biologia (Poland)</i> ,1	1.5	1
10	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. <i>Journal of Plant Growth Regulation</i> ,1	4.7	1
9	The linkage between phenylethanoid glycosides biosynthetic pathway and some aromatic amino acids and carbohydrates (rhamnose and glucose) in Scrophularia striata Boiss. cell culture. <i>Plant Cell, Tissue and Organ Culture</i> , 2021 , 147, 131-145	2.7	1
8	Acceleration Breaks the Cells Defense Mechanisms against Vibration in Anthemis gilanica Calli. <i>International Journal of Agronomy</i> , 2021 , 2021, 1-12	1.9	1
7	Penconazole and calcium improves drought stress tolerance and oil quality in canola. <i>Soil Science and Plant Nutrition</i> , 2018 , 64, 606-615	1.6	1
6	Central role of Methyl jasmonate in resistance of wheat against crown and root rot caused by Fusarium culmorum. <i>Physiological and Molecular Plant Pathology</i> , 2022 , 119, 101812	2.6	1
5	Application of sodium salicylate up-regulates defense response against Fusarium graminearum in wheat spikes. <i>Biologia Plantarum</i> ,63, 690-698	2.1	0
4	Changes in Pistachios Essential Oil Composition during Fruit Ripening. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2019 , 22, 1481-1487	1.7	0
3	Removal of Phenanthrene by some microalga species and study of antioxidative compounds in Nostoc calcicola ISC 89. <i>Journal of Soils and Sediments</i> ,1	3.4	0
2	Production of phenylethanoid glycosides under PEG-induced osmotic stress in Scrophularia Striata Boiss. Cell culture in bioreactor. <i>Industrial Crops and Products</i> , 2022 , 181, 114843	5.9	0
1	Improving Salt Tolerance in Safflower Plants through Exogenous Application of Penconazole. <i>Agronomy Journal</i> , 2019 , 111, 397-407	2.2	