Mohammad Reza Naghavi

List of Publications by Year
in descending order

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122	2,435	186209	265120
papers	citations	28 h-index	42 g-index

128	128	128	2950
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolomics and proteomics reveal drought-stress responses of leaf tissues from spring-wheat. Scientific Reports, 2018, 8, 5710.	1.6	205
2	Effect of saline irrigation water on agronomical and phytochemical characters of chamomile (Matricaria recutita L.). Scientia Horticulturae, 2008, 116, 437-441.	1.7	92
3	Evaluation of allicin content and botanical traits in Iranian garlic (Allium sativum L.) ecotypes. Scientia Horticulturae, 2005, 103, 155-166.	1.7	75
4	Evaluation of Drought Tolerance Indices for Screening Some of Corn (Zea mays L.) Cultivars under Environmental Conditions. Notulae Scientia Biologicae, 2013, 5, 388-393.	0.1	69
5	Removal of crystal violet from water using Î²-cyclodextrin functionalized biogenic zero-valent iron nanoadsorbents synthesized via aqueous root extracts of Ferula persica. Journal of Hazardous Materials, 2019, 367, 325-338.	6.5	66
6	Mitochondrial DNA analysis of Iranian brown bears (Ursus arctos) reveals new phylogeographic lineage. Mammalian Biology, 2016, 81, 1-9.	0.8	64
7	Performance of carnauba wax-nanoclay emulsion coatings on postharvest quality of â€˜Valenciaâ€™ orange fruit. Scientia Horticulturae, 2018, 240, 170-178.	1.7	62
8	A proteomic analysis to identify cold acclimation associated proteins in wild wheat (Triticum urartu) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	61
9	Microsatellite analysis of Damask rose (Rosa damascena Mill.) accessions from various regions in Iran reveals multiple genotypes. BMC Plant Biology, 2007, 7, 12.	1.6	57
10	Production and gene expression of morphinan alkaloids in hairy root culture of Papaver orientale L. using abiotic elicitors. Plant Cell, Tissue and Organ Culture, 2016, 125, 31-41.	1.2	53
11	Alternative sources and metabolic engineering of Taxol: Advances and future perspectives. Biotechnology Advances, 2020, 43, 107569.	6.0	53
12	Physiological and morphological characteristics of chickpea accessions under low temperature stress. Russian Journal of Plant Physiology, 2011, 58, 157-163.	0.5	52
13	Morphological and oil content variations amongst Damask rose (Rosa damascena Mill.) landraces from different regions of Iran. Scientia Horticulturae, 2007, 113, 44-48.	1.7	51
14	Effect of Water Deficit Stress on Seedling Biomass and Physio-Chemical Characteristics in Different Species of Wheat Possessing the D Genome. Agronomy, 2019, 9, 522.	1.3	48
15	Phyto-miRNAs-based regulation of metabolites biosynthesis in medicinal plants. Gene, 2019, 682, 13-24.	1.0	44
16	QTL Mapping of Salt Tolerance Traits with Different Effects at the Seedling Stage of Bread Wheat. Plant Molecular Biology Reporter, 2015, 33, 1790-1803.	1.0	40
17	Fulfillment of green chemistry for synthesis of silver nanoparticles using root and leaf extracts of Ferula persica: Solid-state route vs. solution-phase method. Journal of Cleaner Production, 2018, 192, 514-530.	4.6	40
18	Comparison of genetic variation among accessions of Aegilops tauschii using AFLP and SSR markers. Genetic Resources and Crop Evolution, 2007, 54, 237-240.	0.8	38

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19	Study of the essential oil variation of Ferula gummosa samples from Iran. Chemistry of Natural Compounds, 2008, 44, 124-126.	0.2	38
20	Mining Ferula gummosa transcriptome to identify miRNAs involved in the regulation and biosynthesis of terpenes. Gene, 2018, 645, 41-47.	1.0	38
21	Microbial characterization of Iranian traditional Lighvan cheese over manufacturing and ripening via culturing and PCR-DGGE analysis: identification and typing of dominant lactobacilli. European Food Research and Technology, 2009, 229, 83-92.	1.6	36
22	Evaluating of Drought Stress Tolerance Based on Selection Indices in Spring Canola Cultivars (Brassica napus L.). Journal of Agricultural Science, 2012, 4, .	0.1	35
23	Synergistic effect of coronatine and sorbitol on artemisinin production in cell suspension culture of Artemisia annua L. cv. Anamed. Plant Cell, Tissue and Organ Culture, 2019, 137, 587-597.	1.2	35
24	Seasonal-based temporal changes fluctuate expression patterns of TXS, DBAT, BAPT and DBTNBT genes alongside production of associated taxanes in Taxus baccata. Plant Cell Reports, 2016, 35, 1103-1119.	2.8	33
25	Expression of artemisinin biosynthesis and trichome formation genes in five Artemisia species. Industrial Crops and Products, 2018, 112, 130-140.	2.5	32
26	CRISPR-based metabolic editing: Next-generation metabolic engineering in plants. Gene, 2020, 759, 144993.	1.0	31
27	Transcriptomic analysis of Aegilops tauschii during long-term salinity stress. Functional and Integrative Genomics, 2019, 19, 13-28.	1.4	30
28	Variation in the Agronomic and Morphological Traits of Iranian Chickpea Accessions. Journal of Integrative Plant Biology, 2005, 47, 375-379.	4.1	29
29	Genetic diversity of the D-genome in T. aestivum and Aegilops species using SSR markers. Genetic Resources and Crop Evolution, 2009, 56, 499-506.	0.8	28
30	Synthesis of green and pure copper oxide nanoparticles using two plant resources via solid-state route and their phytotoxicity assessment. RSC Advances, 2021, 11, 3346-3353.	1.7	28
31	QTL mapping for salt tolerance in barley at seedling growth stage. Biologia Plantarum, 2015, 59, 283-290.	1.9	26
32	Population structure, genetic diversity, and sexual state of the rice brown spot pathogen Bipolaris oryzae from three Asian countries. Plant Pathology, 2018, 67, 181-192.	1.2	26
33	Genetic dissection of tocopherol and phytosterol in recombinant inbred lines of sunflower through quantitative trait locus analysis and the candidate gene approach. Molecular Breeding, 2012, 29, 717-729.	1.0	25
34	Expression of artemisinin biosynthesis genes in eight Artemisia species at three developmental stages. Industrial Crops and Products, 2015, 76, 836-843.	2.5	25
35	Tissue-Specific Transcriptome Analysis Reveals Candidate Genes for Terpenoid and Phenylpropanoid Metabolism in the Medicinal Plant Ferula assafoetida. G3: Genes, Genomes, Genetics, 2019, 9, 807-816.	0.8	25
36	Wild Relatives of Wheat Respond Well to Water Deficit Stress: A Comparative Study of Antioxidant Enzyme Activities and Their Encoding Gene Expression. Agriculture (Switzerland), 2020, 10, 415.	1.4	25

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37	Post-planting evaluation of morphological characters and allicin content in Iranian garlic (Allium) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	24
38	Expression of key genes affecting artemisinin content in five Artemisia species. Scientific Reports, 2018, 8, 12659.	1.6	24
39	Phyto-miRNA: A molecule with beneficial abilities for plant biotechnology. Gene, 2019, 683, 28-34.	1.0	24
40	Distribution and diversity of Aegilops tauschii in Iran. Genetic Resources and Crop Evolution, 2008, 55, 341-349.	0.8	22
41	Evaluation of genetic diversity among Iranian accessions of Ocimum spp. using AFLP markers. Biochemical Systematics and Ecology, 2011, 39, 619-626.	0.6	22
42	Assessment of drought tolerance in barley: integrated selection criterion and drought tolerance indices. Environmental and Experimental Biology, 2016, 14, 33-41.	0.3	22
43	Evaluation of Drought Tolerance in Safflower Genotypes Based on Drought Tolerance indices. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2014, 42, .	0.5	21
44	Genetic diversity and population structure of Ascochyta rabiei from the western Iranian Ilam and Kermanshah provinces using MAT and SSR markers. Mycological Progress, 2011, 10, 1-7.	0.5	20
45	Composition and antifungal activity of the oil ofFerula gummosasamples from Iran. Journal of Essential Oil-bearing Plants: JEOP, 2008, 11, 284-291.	0.7	19
46	Water Deficit Stress Tolerance in Some of Barley Genotypes and Landraces under Field Conditions. Notulae Scientia Biologicae, 2013, 5, 249-255.	0.1	19
47	Analysis of Quantitative Trait Loci (QTL) for Grain Yield and Agronomic Traits in Wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Overlock 2030-2040.	1.0	19
48	Influence of the time to egg stripping on eyeing and hatching rates in rainbow trout Oncorhynchus mykiss under cold temperatures. Aquaculture, 2008, 278, 195-198.	1.7	18
49	Induction and comparison of different inÂvitro morphogenesis pathways using embryo of cumin (Cuminum cyminum L.) as a model material. Plant Cell, Tissue and Organ Culture, 2007, 90, 293-311.	1.2	16
50	Production of some benzylisoquinoline alkaloids in Papaver armeniacum L. hairy root cultures elicited with salicylic acid and methyl jasmonate. In Vitro Cellular and Developmental Biology - Plant, 2021, 57, 261-271.	0.9	16
51	Evaluation of Spring wheat Cultivars for Physiological, Morphological and Agronomic Traits under Drought Stress. Journal of Crop Breeding, 2016, 8, 64-77.	0.4	16
52	Proficient dye removal from water using biogenic silver nanoparticles prepared through solid-state synthetic route. Heliyon, 2020, 6, e04730.	1.4	15
53	ANALYSIS OF ARTEMISININ ISOLATED FROM Artemisia Annua L. BY TLC AND HPLC. Journal of Liquid Chromatography and Related Technologies, 2013, 36, 1198-1206.	0.5	14
54	Chemical Composition of the Essential Oil from Oleo-gum-resin and Different Organs ofFerula gummosa. Journal of Essential Oil-bearing Plants: JEOP, 2017, 20, 282-288.	0.7	14

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55	Genetic diversity of accessions of Iranian Aloe vera based on horticultural traits and RAPD markers. Industrial Crops and Products, 2012, 37, 347-351.	2.5	13
56	Magnetic Solid Phase Extraction Coupled with HPLC Towards Removal of Pigments and Impurities from Leaf-derived Paclitaxel Extractions of Taxus baccata and Optimization via Response Surface Methodology. Chromatographia, 2015, 78, 1143-1157.	0.7	13
57	Morphological characterization of intra-and interspecific diversity in some Iranian wild Allium species. Euphytica, 2016, 211, 185-200.	0.6	13
58	Evaluation of Solasonine Content and Expression Patterns of SGT1 Gene in Different Tissues of Two Iranian Eggplant (Solanum melongena L.) Genotypes. Food Technology and Biotechnology, 2017, 55, 236-242.	0.9	13
59	Comparative analysis of the root and leaf transcriptomes in Chelidonium majus L.. PLoS ONE, 2019, 14, e0215165.	1.1	13
60	Distribution of 1AL.1RS and 1BL.1RS wheat-rye translocations in Triticum aestivum using specific PCR. Biochemical Systematics and Ecology, 2014, 55, 20-26.	0.6	12
61	Carbonaceous sorbents alongside an optimized magnetic solid phase extraction (MSPE) towards enrichment of crude Paclitaxel extracts from callus cultures of Taxus baccata. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1043, 96-106.	1.2	12
62	Simultaneous phycoremediation of petrochemical wastewater and lipid production by Chlorella vulgaris. SN Applied Sciences, 2021, 3, 1.	1.5	12
63	Reassessment of the taxonomic position of Iranocypris typhlops Bruun & Kaiser, 1944 (Actinopterygii,ÂCyprinidae). ZooKeys, 2014, 374, 69-77.	0.5	11
64	Assessment of Iranian endemic Artemisia khorassanica : karyological, genome size, and gene expressions involved in artemisinin production. Turkish Journal of Biology, 2018, 42, 322-333.	2.1	11
65	Physio-biochemical characters, embryo regeneration and limonene synthase gene expression in cumin. Industrial Crops and Products, 2018, 121, 195-205.	2.5	11
66	Chemical composition of the essential oils of Artemisia species from Iran: a comparative study using multivariate statistical analysis. Journal of Essential Oil Research, 2020, 32, 361-371.	1.3	11
67	Analysis of the Genetic Diversity and Affinities of Different IranianSaturejaSpecies Based on SAMPL Markers. Planta Medica, 2010, 76, 1927-1933.	0.7	10
68	QTL analysis of agronomic traits in recombinant inbred lines of sunflower under partial irrigation. Plant Biotechnology Reports, 2011, 5, 135-146.	0.9	10
69	Altered gene expression and root thebaine production in polyploidized and methyl jasmonate-elicited Papaver bracteatum Lindl. Plant Physiology and Biochemistry, 2021, 158, 334-341.	2.8	10
70	Microsatellite analysis of genetic diversity and population genetic structure of Aegilops tauschii Coss. in Northern Iran. Genetic Resources and Crop Evolution, 2010, 57, 423-430.	0.8	9
71	Modified AHP-based decision-making model toward accurate selection of eligible maintenance media for production of taxanes in Taxus baccata callus culture. Acta Physiologiae Plantarum, 2015, 37, 1.	1.0	9
72	Comparison of volatile compounds at various developmental stages of tuberose (Polianthes) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Research, 2018, 30, 197-206.	1.3	9

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73	Identification and expression analysis of S-alk(en)yl-L-cysteine sulfoxide lyase isoform genes and determination of allicin contents in AlliumÂspecies. PLoS ONE, 2020, 15, e0228747.	1.1	8
74	Evaluation of Molecular and Essential Oil Diversity of Coriander (Coriandrum sativumL.) Landraces from Iran. Journal of Essential Oil-bearing Plants: JEOP, 2009, 12, 46-54.	0.7	7
75	Karyological data of 47 accessions of 28 Artemisia (Asteraceae, Anthemideae) species from Iran, with first new reports for Iranian populations and first absolute counts in three species. Plant Systematics and Evolution, 2013, 299, 1503-1518.	0.3	7
76	Molecular phylogenetics of the Onobrychis genus (Fabaceae: Papilionoideae) using ITS and trnLâ€“trnF DNA sequence data. Australian Journal of Botany, 2014, 62, 235.	0.3	7
77	Effects of Abiotic Elicitors on Expression and Accumulation of Three Candidate Benzophenanthridine Alkaloids in Cultured Greater Celandine Cells. Molecules, 2021, 26, 1395.	1.7	7
78	Pharmacological and Therapeutic Aspects of Plants from the Genus Ferula: A Comprehensive Review. Mini-Reviews in Medicinal Chemistry, 2020, 20, 1233-1257.	1.1	7
79	Morphological, molecular and phytochemical variations induced by colchicine and EMS chemical mutagens in Crocus sativus L.. Food Chemistry Molecular Sciences, 2022, 4, 100086.	0.9	7
80	STUDY OF EFFECT OF EXTRACTION CONDITIONS ON THE BIOCHEMICAL COMPOSITION AND ANTIOXIDANT ACTIVITY OF ARTEMISIA ABSINTHIUM BY HPLC AND TLC. Journal of Liquid Chromatography and Related Technologies, 2014, 37, 1558-1567.	0.5	6
81	Variation in Saffron (Crocus sativus L.) accessions and Crocus wild species by RAPD analysis. Plant Systematics and Evolution, 2014, 300, 1941-1944.	0.3	6
82	Evaluation of magnetic- and carbon-based nano-adsorbents application in pre-purification of paclitaxel from needles of Taxus baccata. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	6
83	Precision assessment of some supervised and unsupervised algorithms for genotype discrimination in the genus Pisum using SSR molecular data. Journal of Theoretical Biology, 2015, 368, 122-132.	0.8	6
84	Evaluation of genetic diversity and traits relations in wheat cultivars under drought stress using advanced statistical methods. Acta Agriculturae Slovenica, 2017, 109, .	0.2	6
85	Measurement of some Benzylisoquinoline Alkaloids in Different Organs of Persian Poppy during Ontogenetical Stages. Chemistry and Biodiversity, 2016, 13, 539-543.	1.0	5
86	Study of QTLs linked to awn length and their relationships with chloroplasts under control and saline environments in bread wheat. Genes and Genomics, 2019, 41, 223-231.	0.5	5
87	Bulked segregant analysis for relative water content to detect quantitative trait loci in wheat under drought stress. Genetics and Molecular Research, 2012, 11, 3882-3888.	0.3	4
88	Phylogenetic analysis in some Hordeum species (Triticeae; Poaceae) based on two single-copy nuclear genes encoding acetyl-CoA carboxylase. Biochemical Systematics and Ecology, 2013, 47, 148-155.	0.6	4
89	Study of Karyological Characteristics in <i>Papaver bracteatum</i> and <i>Papaver somniferum</i>. Cytologia, 2014, 79, 187-194.	0.2	4
90	Expression patterns of the genes encoding fructan active enzymes (FAZYs) alongside fructan constituent profiles in chicory (Cichorium intybus L.): effects of tissue and genotype variations. Journal of Plant Biochemistry and Biotechnology, 2018, 27, 453-462.	0.9	4

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91	Karyological studies of Iranian Allium L. (Amaryllidaceae) species with focus on sect. Acanthoprason. 1. Mitotic chromosomes. Plant Systematics and Evolution, 2018, 304, 583-606.	0.3	4
92	Spatiotemporal oscillations of morphinan alkaloids in opium poppy. Journal of Biosciences, 2018, 43, 391-405.	0.5	4
93	Biodiversity status of Tulipa (Liliaceae) in Iran inferred from molecular characterization. Horticulture Environment and Biotechnology, 2020, 61, 559-567.	0.7	4
94	Evaluating phylogenetic relationships in the Lilium family using the ITS marker. Journal of Plant Biotechnology, 2018, 45, 236-241.	0.1	4
95	Terpenoids from Nardostachys jatamansi and their cytotoxic activity against human pancreatic cancer cell lines. Phytochemistry, 2022, 200, 113228.	1.4	4
96	Isolation and characterization of polymorphic microsatellite loci from the water mite Hygrobates fluviatilis (Acari: Hydrachnidia: Hygrobatidae). Molecular Ecology Resources, 2009, 9, 793-795.	2.2	3
97	Genetic variability of seed-quality traits in gamma-induced mutants of sunflower (Helianthus annuus) Tj ETQq1 1 0.784314 rgBT /Ove	0.6	3
98	Comparative study of adsorptive role of carbonaceous materials in removal of UV-active impurities of paclitaxel extracts. Journal of Pharmaceutical Analysis, 2015, 5, 396-399.	2.4	3
99	Evaluation of Diversity and Traits Correlation in Spring Wheat Cultivars under Drought Stress. Notulae Scientia Biologicae, 2015, 7, 349-354.	0.1	3
100	Comparison of carbohydrate partitioning and expression patterns of some genes involved in carbohydrate biosynthesis pathways in annual and biennial species of Cichorium spp.. Phytochemistry, 2021, 183, 112620.	1.4	3
101	Inulin content and expression of related genes in different tissues and cell suspension culture of Taraxacum kok-saghyz. In Vitro Cellular and Developmental Biology - Plant, 0, , 1.	0.9	3
102	Phylogenetic relationships of IranianAlliumspecies using thematK(cpDNA gene) region. Journal of Plant Biotechnology, 2020, 47, 15-25.	0.1	3
103	A field study on common bean (Phaseolus vulgaris) response to Tetranychus urticae herbivory. Plant Breeding, 2021, 140, 464-476.	1.0	2
104	High and low oxalate content in spinach: an investigation of accumulation patterns. Journal of the Science of Food and Agriculture, 2022, 102, 836-843.	1.7	2
105	Evaluation of Diversity and Traits Correlation in Spring Wheat Cultivars under Drought Stress. Notulae Scientia Biologicae, 2015, 7, .	0.1	2
106	Evaluation of the relationship between morphological and agronomic traits with grain yield in spring wheat cultivars under drought stress. International Journal of Biosciences, 2014, 5, 88-93.	0.4	2
107	Evaluation of Spring Wheat Cultivars Based on Drought Resistance Indices. Journal of Crop Breeding, 2016, 8, 207-192.	0.4	2
108	Evaluation of Genetic Diversity of Spring Wheat Cultivars for Physiological and Agronomic Traits under Drought Stress. Journal of Crop Breeding, 2018, 10, 138-151.	0.4	2

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109	Characterization of low-molecular-weight-glutenin subunit genes from the D-genome of Triticum aestivum, Aegilops crassa, Ae. cylindrica and Ae. tauschii. Biochemical Systematics and Ecology, 2013, 50, 23-29.	0.6	1
110	Comparative analysis of ADS gene promoter in seven Artemisia species. Journal of Genetics, 2014, 93, 767-774.	0.4	1
111	Protein pattern analysis in tolerant and susceptible wheat cultivars under salinity stress conditions. Acta Agriculturae Slovenica, 2018, 111, 545.	0.2	1
112	Simple sequence repeat marker analysis reveals grouping of Pyrenophora tritici-repentis isolates based on geographic origin. Canadian Journal of Plant Pathology, 2019, 41, 218-227.	0.8	1
113	Comparison of Genetic Diversity Based on Total and Sharp Bands of RAPD Data in Wheat. Asian Journal of Plant Sciences, 2005, 4, 123-127.	0.2	1
114	Evaluation of Genetic Diversity in Aegilops tauschii Accessions Using Morphological and AFLP Markers. Pakistan Journal of Biological Sciences, 2007, 10, 3713-3717.	0.2	1
115	Investigation of water deficit stress effects on yield and yield components of four soybean cultivars at different growth stages. International Journal of Biosciences, 2013, 3, 104-109.	0.4	1
116	Sequence characterized amplified region marker as a tool for selection of high-artemisinin containing species of Artemisia. Research in Pharmaceutical Sciences, 2015, 10, 453-9.	0.6	1
117	Cytogenetic Evaluation of Some Genera of Persian <i>Phaseolus</i>. Cytologia, 2012, 77, 225-230.	0.2	0
118	QTL analysis for Malt Quality in DH Lines of Barley (Steptoe Ã— Morex) grown in Iran. Turkish Journal of Agriculture: Food Science and Technology, 2013, 1, 56.	0.1	0
119	Effect of salinity stress on physiological characteristics and protein profile of tolerant and sensitive barley (Hordeum vulgare L.) cultivars at vegetative growth stage. Iranian Society of Crops and Plant Breeding Sciences, 2020, 22, 32-49.	0.1	0
120	Evaluation of Protein Pattern and Tolerance Mechanism in Two Cultivars of Wheat under Drought Stress in Seedling Stage. Journal of Crop Breeding, 2020, 12, 42-56.	0.4	0
121	Irrigation with municipal wastewater as a suitable solution for safflower cultivation in arid regions. Journal of Aridland Agriculture, 0, , 109-116.	0.0	0
122	Effect of Salicylic Acid and Methyl Jasmonate on Stress Indices in Papaver bracteatum Lindl. , 2021, 11, .		0