

Mohsen Niazian

List of Publications by Year in descending order

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34
papers

892
citations

516215

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36
all docs

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docs citations

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times ranked

576
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of genetics and biotechnology for improving medicinal plants. <i>Planta</i> , 2019, 249, 953-973.	1.6	112
2	Machine Learning for Plant Breeding and Biotechnology. <i>Agriculture (Switzerland)</i> , 2020, 10, 436.	1.4	95
3	Effect of colchicine-induced polyploidy on morphological characteristics and essential oil composition of ajowan (<i>Trachyspermum ammi</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 130, 543-551.	1.2	67
4	Modeling the seed yield of Ajowan (<i>Trachyspermum ammi</i> L.) using artificial neural network and multiple linear regression models. <i>Industrial Crops and Products</i> , 2018, 117, 224-234.	2.5	66
5	In vitro-based doubled haploid production: recent improvements. <i>Euphytica</i> , 2020, 216, 1.	0.6	53
6	Genetic stability of regenerated plants via indirect somatic embryogenesis and indirect shoot regeneration of <i>Carum copticum</i> L. <i>Industrial Crops and Products</i> , 2017, 97, 330-337.	2.5	49
7	Image Processing and Artificial Neural Network-Based Models to Measure and Predict Physical Properties of Embryogenic Callus and Number of Somatic Embryos in Ajowan (<i>Trachyspermum ammi</i> (L.)) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	1.0	39
8	Artificial polyploidy induction for improvement of ornamental and medicinal plants. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 142, 447-469.	1.2	43
9	Modeling callus induction and regeneration in an anther culture of tomato (<i>Lycopersicon</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i> 1317-1332.	1.0	39
10	Modeling Oil Content of Sesame (<i>Sesamum indicum</i> L.) Using Artificial Neural Network and Multiple Linear Regression Approaches. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2018, 95, 283-297.	0.8	37
11	Tissue culture-based <i>Agrobacterium</i> -mediated and in planta transformation methods. <i>Czech Journal of Genetics and Plant Breeding</i> , 2017, 53, 133-143.	0.4	31
12	<i>Agrobacterium</i> -mediated genetic transformation of ajowan (<i>Trachyspermum ammi</i> (L.) Sprague): an important industrial medicinal plant. <i>Industrial Crops and Products</i> , 2019, 132, 29-40.	2.5	27
13	Artificial neural network and multiple regression analysis models to predict essential oil content of ajowan (<i>Carum copticum</i> L.). <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2018, 9, 124-131.	0.9	24
14	Essential Oil Chemotype of Iranian Ajowan (<i>Trachyspermum ammi</i> L.). <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2018, 21, 273-276.	0.7	23
15	Essential Oil Yield and Agro-morphological Traits in Some Iranian Ecotypes of Ajowan (<i>Carum</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	0.7	20
16	Modeling <i>Agrobacterium</i> -Mediated Gene Transformation of Tobacco (<i>Nicotiana tabacum</i>) – A Model Plant for Gene Transformation Studies. <i>Frontiers in Plant Science</i> , 2021, 12, 695110.	1.7	20
17	Betaine Aldehyde Dehydrogenase (BADH) vs. Flavodoxin (Fld): Two Important Genes for Enhancing Plants Stress Tolerance and Productivity. <i>Frontiers in Plant Science</i> , 2021, 12, 650215.	1.7	19
18	Interactive Effects of Nitrogen and Potassium Fertilizers on Quantitative-Qualitative Traits and Drought Tolerance Indices of Rainfed Wheat Cultivar. <i>Agronomy</i> , 2022, 12, 30.	1.3	14

#	ARTICLE	IF	CITATIONS
19	Traditional in vitro strategies for sustainable production of bioactive compounds and manipulation of metabolomic profile in medicinal, aromatic and ornamental plants. <i>Planta</i> , 2021, 254, 111.	1.6	13
20	In vitro chromosome doubling of African daisy, <i>Gerbera jamesonii</i> Bolus cv. Mini Red. <i>Nucleus (India)</i> , 2020, 63, 59-65.	0.9	12
21	CRISPR/Cas9 in Planta Hairy Root Transformation: A Powerful Platform for Functional Analysis of Root Traits in Soybean. <i>Plants</i> , 2022, 11, 1044.	1.6	11
22	Application of Artificial Neural Networks Sensitivity Analysis for the Pre-Identification of Highly Significant Factors Influencing the Yield and Digestibility of Grassland Sward in the Climatic Conditions of Central Poland. <i>Agronomy</i> , 2022, 12, 1133.	1.3	11
23	Modeling the Essential Oil and Trans-Anethole Yield of Fennel (<i>Foeniculum vulgare</i> Mill. var. <i>vulgare</i>) by Application Artificial Neural Network and Multiple Linear Regression Methods. <i>Agriculture (Switzerland)</i> , 2021, 11, 1191.	1.4	10
24	Agronomic Performance of Rainfed Barley Genotypes under Different Tillage Systems in Highland Areas of Dryland Conditions. <i>Agronomy</i> , 2022, 12, 1070.	1.3	10
25	Comparative Analysis of Plant Growth-Promoting Rhizobacteria (PGPR) and Chemical Fertilizers on Quantitative and Qualitative Characteristics of Rainfed Wheat. <i>Agronomy</i> , 2022, 12, 1524.	1.3	10
26	Perspectives on new opportunities for nano-enabled strategies for gene delivery to plants using nanoporous materials. <i>Planta</i> , 2021, 254, 83.	1.6	8
27	Assessment of general and specific combining abilities in doubled haploid lines of rapeseed (<i>Brassica</i>) Tj ETQq1 1 0,784314 rgBT /Over	2.5	7
28	Methods for Chromosome Doubling. <i>Methods in Molecular Biology</i> , 2021, 2287, 127-148.	0.4	6
29	Integrative effects of stress- and stress tolerance-inducing elicitors on in vitro bioactive compounds of ajowan [<i>Trachyspermum ammi</i> (L.) Sprague] medicinal plant. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 146, 589-604.	1.2	4
30	Analysis of Resistance to <i>Cercospora</i> Leaf Spot and Bolting in Sugar Beet as Winter Crop Using Griffing's Diallel Method and GGE Biplot*. <i>Journal of Sugar Beet Research</i> , 2013, 50, 37-58.	0.3	3
31	Efficient Microspore Embryogenesis and Haploid Induction in Mutant Indica Rice (<i>Oryza sativa</i> L.) Cultivars. <i>Journal of Plant Growth Regulation</i> , 0, , .	2.8	2
32	Diallel Cross Analysis in Sugar Beet (<i>Beta vulgaris</i> L.): Identification of the Best Parents and Hybrids for Resistance to Bolting and <i>Cercospora</i> Leaf Spot in Sugar Beet Monogerm O-type Lines. <i>American Journal of Experimental Agriculture</i> , 2011, 1, 214-225.	0.2	1
33	Analysis of Resistance to <i>Cercospora</i> Leaf Spot and Bolting in Sugar Beet as Winter Crop Using Griffing's Diallel Method and GGE Biplot. <i>Journal of Sugar Beet Research</i> , 2012, 49, 103-123.	0.3	0
34	Comparative analysis of heterologous expressions of BADH and Fld genes in enhancing salinity and drought tolerance of the ajowan medicinal plant. <i>Plant Cell, Tissue and Organ Culture</i> , 0, , 1.	1.2	0