

Hossein Akhani

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,511
citations

218381

26
h-index

214527

47
g-index

61
all docs

61
docs citations

61
times ranked

2235
citing authors

#	ARTICLE	IF	CITATIONS
1	A taxonomic backbone for the global synthesis of species diversity in the angiosperm order <i>Caryophyllales</i> . <i>Willdenowia</i> , 2015, 45, 281.	0.5	254
2	A late Pleistocene long pollen record from Lake Urmia, Nw Iran. <i>Quaternary Research</i> , 2008, 69, 413-420.	1.0	197
3	Diversification of the Old World <i>Salsoleae</i> s.l. (Chenopodiaceae): Molecular Phylogenetic Analysis of Nuclear and Chloroplast Data Sets and a Revised Classification. <i>International Journal of Plant Sciences</i> , 2007, 168, 931-956.	0.6	145
4	Photosynthetic pathways in <i>Chenopodiaceae</i> from Africa, Asia and Europe with their ecological, phytogeographical and taxonomical importance. <i>Plant Systematics and Evolution</i> , 1997, 206, 187-221.	0.3	138
5	Biodiversity and phytogeography of the alpine flora of Iran. <i>Biodiversity and Conservation</i> , 2008, 17, 493-521.	1.2	130
6	European plants with C4 photosynthesis: geographical and taxonomic distribution and relations to climate parameters. <i>Botanical Journal of the Linnean Society</i> , 0, 163, 283-304.	0.8	96
7	Vegetation history of the SE section of the Zagros Mountains during the last five millennia; a pollen record from the Maharlou Lake, Fars Province, Iran. <i>Vegetation History and Archaeobotany</i> , 2009, 18, 123-136.	1.0	87
8	<i>Bienertia sinuspersici</i> (Chenopodiaceae): A New Species from Southwest Asia and Discovery of a Third Terrestrial C ₄ Plant Without Kranz Anatomy. <i>Systematic Botany</i> , 2005, 30, 290-301.	0.2	81
9	Phylogenetic Relationships in the <i>Salicornioideae</i> / <i>Suaedoideae</i> / <i>Salsoloideae</i> s.l. (Chenopodiaceae) Clade and a Clarification of the Phylogenetic Position of <i>Bienertia</i> and <i>Alexandra</i> Using Multiple DNA Sequence Datasets. <i>Systematic Botany</i> , 2006, 31, 571-585.	0.2	73
10	Structural and physiological analyses in <i>Salsoleae</i> (Chenopodiaceae) indicate multiple transitions among C3, intermediate, and C4 photosynthesis. <i>Journal of Experimental Botany</i> , 2013, 64, 3583-3604.	2.4	64
11	Differentiation of cellular and biochemical features of the single-cell C ₄ syndrome during leaf development in <i>Bienertia cycloptera</i> (Chenopodiaceae). <i>American Journal of Botany</i> , 2005, 92, 1784-1795.	0.8	56
12	Species Diversity and Life-Form Patterns in Steppe Vegetation along a 3000m Altitudinal Gradient in the Alborz Mountains, Iran. <i>Folia Geobotanica</i> , 2013, 48, 7-22.	0.4	52
13	Ethnobotanical and ethnomedicinal studies in Baluchi tribes: A case study in Mt. Taftan, southeastern Iran. <i>Journal of Ethnopharmacology</i> , 2018, 217, 163-177.	2.0	47
14	Photosynthetic pathways and habitats of grasses in Golestan National Park (NE Iran), with an emphasis on the C4-grass dominated rock communities. <i>Phytocoenologia</i> , 2002, 32, 455-501.	1.2	45
15	Palaeoecological significance of the spores of the liverwort <i>Riella</i> (Riellaceae) in a late Pleistocene long pollen record from the hypersaline Lake Urmia, NW Iran. <i>Review of Palaeobotany and Palynology</i> , 2008, 152, 66-73.	0.8	45
16	A review of plant diversity, vegetation, and phytogeography of the Khorassan-Kopet Dagh floristic province in the Irano-Turanian region (northeastern Iran to southern Turkmenistan). <i>Phytotaxa</i> , 2016, 249, 8.	0.1	42
17	Structural, biochemical, and physiological characterization of photosynthesis in two C4 subspecies of <i>Tecticornia indica</i> and the C3 species <i>Tecticornia pergranulata</i> (Chenopodiaceae). <i>Journal of Experimental Botany</i> , 2008, 59, 1715-1734.	2.4	40
18	The elemental composition of halophytes correlates with key morphological adaptations and taxonomic groups. <i>Plant Physiology and Biochemistry</i> , 2019, 141, 259-278.	2.8	40

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19	Diversity, biogeography, and photosynthetic pathways of <i>Argusia</i> and <i>Heliotropium</i> (Boraginaceae) in South-West Asia with an analysis of phytogeographical units. <i>Botanical Journal of the Linnean Society</i> , 2007, 155, 401-425.	0.8	39
20	Endemic plants of Khorassan-Kopet Dagh floristic province in Irano-Turanian region: diversity, distribution patterns and conservation status. <i>Phytotaxa</i> , 2016, 249, 31.	0.1	39
21	Biodiversity of halophytic and sabkha ecosystems in Iran. <i>Tasks for Vegetation Science</i> , 2006, , 71-88.	0.6	37
22	A contribution to the halophytic vegetation and flora of Iran. <i>Tasks for Vegetation Science</i> , 1993, , 35-44.	0.6	33
23	Phylogeny and photosynthetic pathway distribution in <i>Anticharis</i> Endl. (Scrophulariaceae). <i>Journal of Experimental Botany</i> , 2012, 63, 5645-5658.	2.4	33
24	Vegetation Patterns of the Irano-Turanian Steppe along a 3,000m Altitudinal Gradient in the Alborz Mountains of Northern Iran. <i>Folia Geobotanica</i> , 2013, 48, 229-255.	0.4	33
25	A new spiny, cushion-like <i>Euphorbia</i> (Euphorbiaceae) from south-west Iran with special reference to the phytogeographic importance of local endemic species. <i>Botanical Journal of the Linnean Society</i> , 2004, 146, 107-121.	0.8	31
26	A first inventory of gypsum flora in the Palearctic and Australia. <i>Mediterranean Botany</i> , 2018, 39, 35-49.	0.9	28
27	Phytosociological and ecological study of the high alpine vegetation of Tunchal Mountains (Central Tj ETQq1 1 0.784314 rgBT/Overlo	1.2	27
28	A Review of C4 Plants in Southwest Asia: An Ecological, Geographical and Taxonomical Analysis of a Region With High Diversity of C4 Eudicots. <i>Frontiers in Plant Science</i> , 2020, 11, 546518.	1.7	27
29	Salt tolerance mechanisms in three Irano-Turanian Brassicaceae halophytes relatives of <i>Arabidopsis thaliana</i> . <i>Journal of Plant Research</i> , 2018, 131, 1029-1046.	1.2	25
30	Pollen morphological studies in subfamily Suaedoideae (Chenopodiaceae). <i>Grana</i> , 2009, 48, 79-101.	0.4	23
31	Does <i>Bienertia</i> cycloptera with the single-cell system of C4 photosynthesis exhibit a seasonal pattern of $\delta^{13}C$ values in nature similar to co-existing C4 Chenopodiaceae having the dual-cell (Kranz) system?. <i>Photosynthesis Research</i> , 2009, 99, 23-36.	1.6	23
32	Phylogenetics of the Irano-Turanian taxa of <i>Limonium</i> (Plumbaginaceae) based on ITS nrDNA sequences and leaf anatomy provides evidence for species delimitation and relationships of lineages. <i>Botanical Journal of the Linnean Society</i> , 2013, 171, 519-550.	0.8	22
33	Ionic relationships in some halophytic Iranian Chenopodiaceae and their rhizospheres. <i>Plant and Soil</i> , 2013, 372, 523-539.	1.8	21
34	Notes on the typification and nomenclature of <i>Salsola</i> and <i>Kali</i> (Chenopodiaceae). <i>Taxon</i> , 2014, 63, 647-650.	0.4	21
35	Seed morphology of Iranian annual species of <i>Euphorbia</i> (Euphorbiaceae). <i>Botanical Journal of the Linnean Society</i> , 2011, 167, 212-234.	0.8	20
36	Seed and capsule morphology of Iranian perennial species of <i>Euphorbia</i> (Euphorbiaceae) and its phylogenetic application. <i>Botanical Journal of the Linnean Society</i> , 2015, 177, 335-377.	0.8	20

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37	Taxonomic novelties from Irano-Turanian region and NE Iran: <i>Oreosalsola</i> , a new segregate from <i>Salsola</i> s.l., two new species in <i>Anabasis</i> and <i>Salvia</i> , and two new combinations in <i>Caroxylon</i> and <i>Seseli</i> . <i>Phytotaxa</i> , 2016, 249, 159.	0.1	19
38	Vegetation patterns of a rapidly drying up salt lake ecosystem: Lake Urmia, NW Iran. <i>Phytocoenologia</i> , 2020, 50, 1-46.	1.2	18
39	Essential Oils from Two Endemic Species of Apiaceae from Iran. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2003, 58, 459-463.	0.6	16
40	Phylogenetic relationships of <i>Limonium</i> (Plumbaginaceae) inferred from multiple chloroplast and nuclear loci. <i>Taxon</i> , 2017, 66, 1128-1146.	0.4	16
41	Plant diversity of Hyrcanian relict forests: An annotated checklist, chorology and threat categories of endemic and near endemic vascular plant species. <i>Plant Diversity</i> , 2022, 44, 39-69.	1.8	16
42	Occurrence and forms of Kranz anatomy in photosynthetic organs and characterization of NAD-ME subtype C4 photosynthesis in <i>Blepharis ciliaris</i> (L.) B. L. Burt (Acanthaceae). <i>Journal of Experimental Botany</i> , 2007, 59, 1755-1765.	2.4	15
43	The relationship and different C4 Kranz anatomy of <i>Bassia eriantha</i> and <i>Bassia eriophora</i> , two often confused Irano-Turanian and Saharo-Sindian species. <i>Phytotaxa</i> , 2013, 93, 1.	0.1	13
44	Iran's environment under siege. <i>Science</i> , 2015, 350, 392-392.	6.0	13
45	A pollen rain-vegetation study along a 3600 m mountain-desert transect in the Irano-Turanian region; implications for the reliability of some pollen ratios as moisture indicators. <i>Review of Palaeobotany and Palynology</i> , 2017, 247, 133-148.	0.8	13
46	Complementary endozoochorous seed dispersal by large mammals in the Golestan National Park, Iran. <i>Seed Science Research</i> , 2018, 28, 294-302.	0.8	13
47	Flowers of <i>Bienertia cycloptera</i> and <i>Suaeda aralocaspica</i> (Chenopodiaceae) complete the life cycle performing single-cell C4 photosynthesis. <i>Functional Plant Biology</i> , 2007, 34, 268.	1.1	12
48	<i>Mandragora turcomanica</i> (Solanaceae) in Iran: A new distribution record for an endangered species. <i>Systematics and Biodiversity</i> , 2003, 1, 177-180.	0.5	11
49	Is <i>Pteropyrum</i> a pathway to C4 evolution in Polygonaceae? An integrative approach to the taxonomy and anatomy of <i>Pteropyrum</i> (C3), an immediate relative of <i>Calligonum</i> (C4). <i>Botanical Journal of the Linnean Society</i> , 2020, 192, 369-400.	0.8	11
50	Pollen morphology of the subfamily Salicornioideae (Chenopodiaceae) in Eurasia and North Africa. <i>Palynology</i> , 2021, 45, 245-258.	0.7	11
51	Cytology of SW Asian Chenopodiaceae: new data from Iran and a review of previous records and correlations with life forms and C4 photosynthesis. <i>Plant Systematics and Evolution</i> , 2015, 301, 501-521.	0.3	9
52	Diversity, distribution, endemism and conservation status of <i>Euphorbia</i> (Euphorbiaceae) in SW Asia and adjacent countries. <i>Plant Systematics and Evolution</i> , 2020, 306, 1.	0.3	9
53	The <i>Tamaricetea arceuthoidis</i> : a new class for the continental riparian thickets of the Middle East, Central Asia and the subarid regions of the Lower Volga valley. <i>Lazaroa</i> , 2015, 36, .	0.8	6
54	Pollen analysis of present-day striped hyena (<i>Hyaena hyaena</i>) scats from central Iran: Implications for dryland paleoecology and animal paleoethology. <i>Review of Palaeobotany and Palynology</i> , 2020, 281, 104277.	0.8	6

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55	The discovery, naming and typification of <i>Limonium gmelini</i> (Plumbaginaceae). Willdenowia, 2017, 47, 99-106.	0.5	5
56	An integrated morpho-molecular study of <i>Salicornia</i> (Amaranthaceae-Chenopodiaceae) in Iran proves Irano-Turanian region the major center of diversity of annual glasswort species. Taxon, 0, , .	0.4	5
57	Functional structure of plant communities along salinity gradients in Iranian salt marshes. Plant-Environment Interactions, 2022, 3, 16-27.	0.7	5
58	A new species of <i>Tamarix</i> (Tamaricaceae) from Hormozgan Province, S Iran, supported by morphology and molecular phylogenetics. Willdenowia, 2019, 49, 127.	0.5	3
59	Molecular phylogenetics of <i>Euploca</i> (Boraginaceae): homoplasy in many characters, including the C4 photosynthetic pathway. Botanical Journal of the Linnean Society, 2022, 199, 497-537.	0.8	3
60	A Cytological Study of Fourteen Halophytic Species of Tribes Caroxyloneae and Salsoleae (Chenopodiaceae) from Iran. Cytologia, 2009, 74, 79-87.	0.2	2