Hakan Ã–zkan

List of Publications by Year
in descending order

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112 papers	8,442 citations	94433 37 h-index	51608 86 g-index
121 all docs	121 docs citations	121 times ranked	6402 citing authors

#	Article	IF	Citations
1	Endangered Wild Crop Relatives of the Fertile Crescent. , 2022, , 673-682.		2
2	Genetic diversity, distribution and domestication history of the neglected GGAtAt genepool of wheat. Theoretical and Applied Genetics, 2022, 135, 755-776.	3.6	20
3	High accuracy of genome-enabled prediction of belowground and physiological traits in barley seedlings. G3: Genes, Genomes, Genetics, 2022, , .	1.8	0
4	Marker-assisted selection and validation of DNA markers associated with cadmium content in durum wheat germplasm. Crop and Pasture Science, 2022, 73, 943-956.	1.5	7
5	Turkish durum wheat conserved exâ€ŝitu and in situ unveils a new hotspot of unexplored genetic diversity. Crop Science, 2022, 62, 1200-1212.	1.8	5
6	Genome-Wide Association Study of Root-Lesion Nematodes Pratylenchus Species and Crown Rot Fusarium culmorum in Bread Wheat. Life, 2022, 12, 372.	2.4	6
7	A new genetic linkage map in einkorn wheat (Triticum monococcum) detects two major QTLs for heading date in chromosome 2A and 5A, probably corresponding to the photoperiod and vernalization genes. Plant Breeding, 2022, 141, 12-25.	1.9	5
8	Recombination Landscape Divergence Between Populations is Marked by Larger Low-Recombining Regions in Domesticated Rye. Molecular Biology and Evolution, 2022, 39, .	8.9	5
9	Bioactives and Nutraceuticals in Food Legumes: Nutritional Perspective. , 2021, , 229-245.		11
10	The Independent Domestication of Timopheevâ€™s Wheat: Insights from Haplotype Analysis of the Brittle rachis 1 (BTR1-A) Gene. Genes, 2021, 12, 338.	2.4	11
11	Chromosome-scale genome assembly provides insights into rye biology, evolution and agronomic potential. Nature Genetics, 2021, 53, 564-573.	21.4	138
12	Chromosome and Molecular Analyses Reveal Significant Karyotype Diversity and Provide New Evidence on the Origin of Aegilops columnaris. Plants, 2021, 10, 956.	3.5	3
13	Genomic Prediction of Grain Yield in a Barley MAGIC Population Modeling Genotype per Environment Interaction. Frontiers in Plant Science, 2021, 12, 664148.	3.6	5
14	Introducing Beneficial Alleles from Plant Genetic Resources into the Wheat Germplasm. Biology, 2021, 10, 982.	2.8	46
15	Contribution of Landraces in Wheat Breeding. , 2021, , 215-258.		3
16	Evolution and Domestication of Rye. Compendium of Plant Genomes, 2021, , 85-100.	0.5	4
17	The Global Durum Wheat Panel (GDP): An International Platform to Identify and Exchange Beneficial Alleles. Frontiers in Plant Science, 2020, 11, 569905.	3.6	44
18	Seed-Derived Microbial Colonization of Wild Emmer and Domesticated Bread Wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 and Composition. MBio, 2020, 11, .	4.1	40

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19	Exome sequences and multiâ€environment field trials elucidate the genetic basis of adaptation in barley. Plant Journal, 2019, 99, 1172-1191.	5.7	50
20	Wheat domestication in light of haplotype analyses of the Brittle rachis 1 genes (BTR1-A and BTR1-B). Plant Science, 2019, 285, 193-199.	3.6	23
21	Tracing the ancestry of modern bread wheats. Nature Genetics, 2019, 51, 905-911.	21.4	230
22	Durum wheat genome highlights past domestication signatures and future improvement targets. Nature Genetics, 2019, 51, 885-895.	21.4	576
23	Identification of chromosomal regions in the genetic control of quality traits in durum wheat (Triticumturgidum L.) from the Fertile Crescent. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2019, 43, 334-350.	2.1	3
24	QTL Mapping of Genome Regions Controlling Manganese Uptake in Lentil Seed. G3: Genes, Genomes, Genetics, 2018, 8, 1409-1416.	1.8	38
25	Mirza (HacÄ±zade) GÃ¶kgÃ¶l (1897â€“1981): the great explorer of wheat genetic resources in Turkey. Genetic Resources and Crop Evolution, 2018, 65, 693-711.	1.6	10
26	DNA molecular markers in plant breeding: current status and recent advancements in genomic selection and genome editing. Biotechnology and Biotechnological Equipment, 2018, 32, 261-285.	1.3	487
27	Phylogeny and genetic structure in the genus Secale. PLoS ONE, 2018, 13, e0200825.	2.5	20
28	A consensus linkage map of lentil based on DArT markers from three RIL mapping populations. PLoS ONE, 2018, 13, e0191375.	2.5	26
29	Geographical and environmental determinants of the genetic structure of wild barley in southeastern Anatolia. PLoS ONE, 2018, 13, e0192386.	2.5	6
30	Diversity and phylogeny of saffron (Crocus sativus L.) accessions based on iPBS markers. Genetika, 2018, 50, 33-44.	0.4	6
31	Identification of markers associated with traits for use in marker-assisted selection in saffron. Genetika, 2018, 50, 971-982.	0.4	0
32	Assessment of Micro and Macro Nutrients Contents in the Turkish Faba Bean Germplasm. â€œAgriculture for Life Life for Agricultureâ€•Conference Proceedings, 2018, 1, 72-78.	0.1	1
33	A Whole Genome DArTseq and SNP Analysis for Genetic Diversity Assessment in Durum Wheat from Central Fertile Crescent. PLoS ONE, 2017, 12, e0167821.	2.5	137
34	QTLs for iron concentration in seeds of the cultivated lentil (Lens culinaris Medic.) via genotyping by sequencing. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2017, 41, 243-255.	2.1	40
35	High levels of segregation distortion in the molecular linkage map of bread wheat representing the West Asia and North Africa region. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2016, 40, 352-364.	2.1	19
36	Population structure of rice varieties used in Turkish rice breeding programs determined using simple-sequence repeat and inter-primer binding site-retrotransposon data. Genetics and Molecular Research, 2016, 15, .	0.2	9

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37	Identification QTLs Controlling Genes for Se Uptake in Lentil Seeds. PLoS ONE, 2016, 11, e0149210.	2.5	51
38	The grain Hardness locus characterized in a diverse wheat panel (Triticum aestivum L.) adapted to the central part of the Fertile Crescent: genetic diversity, haplotype structure, and phylogeny. Molecular Genetics and Genomics, 2016, 291, 1259-1275.	2.1	8
39	Phenotypic and genotypic intra-diversity among Anatolian durum wheat â€œKunduruâ€landraces. Biochemical Systematics and Ecology, 2016, 65, 9-16.	1.3	18
40	Melez MÄ±sÄ±r IslahÄ±nda In-Vivo KatlanmÄ±ÅŸ Haploid TekniÄŸinde KullanÄ±lan FarklÄ± Inducer Genotiplerin Haploid Ã°ndirgeme OranlarÄ±n Belirlenmesi. Tarla Bitkileri Merkez AraÅŸtÄ±rma EnstitÃ¼sÃ¼ Dergisi, 2016, 25, 52-52.	0.6	11
41	Sivas Ekolojik KoÅŸullarÄ±nda SoÄŸuÄŸa DayanÄ±klÄ± Bezelye (Pisum sativum ssp. sativum L. ve ssp. arvense L.) Genotiplerinin Belirlenmesi. Tarla Bitkileri Merkez AraÅŸtÄ±rma EnstitÃ¼sÃ¼ Dergisi, 2016, 25, 171-171.	0.6	4
42	Development, characterization and mapping of microsatellite markers for lentil (Lens culinaris) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	27
43	Effects of different priming applications on seed germination and some agromorphological characteristics of bread wheat (Triticum aestivum L.). Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2015, 39, 1005-1013.	2.1	14
44	Chromosomal Passports Provide New Insights into Diffusion of Emmer Wheat. PLoS ONE, 2015, 10, e0128556.	2.5	23
45	Insect-resistant transgenic crops: retrospect and challenges. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2015, 39, 531-548.	2.1	34
46	Chloroplast DNA haplotype variation within two natural populations of wild emmer wheat (Triticum turgidumssp.dicoccoides) in southern Turkey. Biotechnology and Biotechnological Equipment, 2015, 29, 423-430.	1.3	5
47	Inter-primer binding site retrotransposon and inter-simple sequence repeat diversity among wild Lens species. Biochemical Systematics and Ecology, 2015, 58, 162-168.	1.3	30
48	DNA based iPBS-retrotransposon markers for investigating the population structure of pea (Pisum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	53
49	Genetic Linkage Map of Anatolian Durum Wheat Derived from a Cross of Kunduru-1149 Ã— Cham1. Plant Molecular Biology Reporter, 2015, 33, 209-220.	1.8	22
50	Variation for selected morphological and quality-related traits among 178 faba bean landraces collected from Turkey. Plant Genetic Resources: Characterisation and Utilisation, 2014, 12, 5-13.	0.8	35
51	Variation of some seed mineral contents in open pollinated faba bean (Vicia faba L.) landraces from Turkey. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2014, 38, 591-602.	2.1	46
52	Evolutionary History of Wild Barley (Hordeum vulgare subsp. spontaneum) Analyzed Using Multilocus Sequence Data and Paleodistribution Modeling. Genome Biology and Evolution, 2014, 6, 685-702.	2.5	64
53	Genetic structure and eco-geographical adaptation of garlic landraces (Allium sativum L.) in Iran. Genetic Resources and Crop Evolution, 2014, 61, 1565-1580.	1.6	12
54	Separating the wheat from the chaff â€“ a strategy to utilize plant genetic resources from ex situ genebanks. Scientific Reports, 2014, 4, 5231.	3.3	51

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55	Genetic Diversity and Population Structure in a Legacy Collection of Spring Barley Landraces Adapted to a Wide Range of Climates. PLoS ONE, 2014, 9, e116164.	2.5	61
56	BazÄ± Ekmeklik BuÄŸday Ã‡eÅŸitlerinin KÃ¶k Yara NematodlarÄ± Pratylenchus thornei ve Pratylenchus neglectusâ€™a (Tylenchida: Pratylenchidae) KarÅŸÄ± DayanÄ±klÄ±lÄ±klarÄ±nÄ±n Belirlenmesi. Tarim Bilimleri Dergisi, 2014, 21, 61.	0.4	0
57	iPBS-Retrotransposons-based genetic diversity and relationship among wild annual Cicer species. Journal of Plant Biochemistry and Biotechnology, 2013, 22, 453-466.	1.7	56
58	Diversity of Macro- and Micronutrients in the Seeds of Lentil Landraces. Scientific World Journal, The, 2012, 2012, 1-9.	2.1	61
59	Diversity Assessment of Turkish Maize Landraces Based on Fluorescent Labelled SSR Markers. Plant Molecular Biology Reporter, 2012, 30, 261-274.	1.8	53
60	Aegilops. , 2011, , 1-76.		89
61	Distribution of vernalization and photoperiod genes (Vrn-A1, Vrn-B1, Vrn-D1, Vrn-B3, Ppd-D1)in Turkish bread wheat cultivars and landraces. Cereal Research Communications, 2011, 39, 352-364.	1.6	30
62	Geographic distribution and domestication of wild emmer wheat (Triticum dicoccoides). Genetic Resources and Crop Evolution, 2011, 58, 11-53.	1.6	140
63	The allelic state at the major semi-dwarfing genes in a panel of Turkish bread wheat cultivars and landraces. Plant Genetic Resources: Characterisation and Utilisation, 2011, 9, 423-429.	0.8	15
64	Nutritional and physicochemical variation in Turkish kabuli chickpea (Cicer arietinum L.) landraces. Euphytica, 2010, 175, 237-249.	1.2	49
65	Testing of rye-specific markers located on 1RS chromosome and distribution of 1AL.RS and 1BL.RS translocations in Turkish wheat (Triticum aestivum L., T. durum Desf.) varieties and landraces. Genetic Resources and Crop Evolution, 2010, 57, 119-129.	1.6	24
66	Genome size variation in diploid and tetraploid wild wheats. AoB PLANTS, 2010, 2010, plq015.	2.3	27
67	Genetic variation among lentil (Lens culinaris Medik) landraces from Southeast Turkey. Plant Breeding, 2009, 128, 178-186.	1.9	61
68	Rapid cytological diploidization in newly formed allopolyploids of the wheat (Aegilops-Triticum) group. Genome, 2009, 52, 926-934.	2.0	28
69	Domestication of the Triticeae in the Fertile Crescent. , 2009, , 81-119.		49
70	Estimating Genetic Diversity in Durum and Bread Wheat Cultivars from Turkey using AFLP and SAMPL Markers. Plant Breeding, 2008, 127, 9-14.	1.9	29
71	Molecular Diversity at 18 Loci in 321 Wild and 92 Domesticate Lines Reveal No Reduction of Nucleotide Diversity during Triticum monococcum (Einkorn) Domestication: Implications for the Origin of Agriculture. Molecular Biology and Evolution, 2007, 24, 2657-2668.	8.9	162
72	Independent Wheat B and G Genome Origins in Outcrossing Aegilops Progenitor Haplotypes. Molecular Biology and Evolution, 2007, 24, 217-227.	8.9	194

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73	Natural Variation And Identification Of Microelements Content In Seeds Of Einkorn Wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Ove	0.2	40
74	First Report of Ascochyta rabiei Causing Ascochyta Blight of Cicer pinnatifidum. Plant Disease, 2007, 91, 908-908.	1.4	9
75	Identification of common root-lesion nematode (Pratylenchus thornei Sher et Allen) loci in bread wheat. Genome, 2006, 49, 1319-1323.	2.0	28
76	Quantification of genetic relationships among A genomes of wheats. Genome, 2006, 49, 297-305.	2.0	24
77	No DNA loss in autotetraploids of Arabidopsis thaliana. Plant Breeding, 2006, 125, 288-291.	1.9	36
78	Concentration and localization of zinc during seed development and germination in wheat. Physiologia Plantarum, 2006, 128, 144-152.	5.2	314
79	Haplotype structure at seven barley genes: relevance to gene pool bottlenecks, phylogeny of ear type and site of barley domestication. Molecular Genetics and Genomics, 2006, 276, 230-241.	2.1	114
80	Meiotically Stable Natural Epialleles of Sadhu, a Novel Arabidopsis Retroposon. PLoS Genetics, 2006, 2, e36.	3.5	55
81	Detecting DNA Polymorphism and Genetic Diversity in a Wide Pistachio Germplasm: Comparison of AFLP, ISSR, and RAPD Markers. Journal of the American Society for Horticultural Science, 2006, 131, 522-529.	1.0	69
82	Genetic relationships among South-East Turkey wild barley populations and sampling strategies of Hordeum spontaneum. Theoretical and Applied Genetics, 2005, 112, 12-20.	3.6	22
83	A reconsideration of the domestication geography of tetraploid wheats. Theoretical and Applied Genetics, 2005, 110, 1052-1060.	3.6	144
84	DNA Polymorphism and Assessment of Genetic Relationships in Walnut Genotypes Based on AFLP and SAMPL Markers. Journal of the American Society for Horticultural Science, 2005, 130, 585-590.	1.0	47
85	Comment on "AFLP data and the origins of domesticated crops". Genome, 2004, 47, 615-620.	2.0	19
86	Triticum dicoccoides: An important genetic resource for increasing zinc and iron concentration in modern cultivated wheat. Soil Science and Plant Nutrition, 2004, 50, 1047-1054.	1.9	298
87	Alterations in subtelomeric tandem repeats during early stages of allopolyploidy in wheat. Genome, 2004, 47, 860-867.	2.0	67
88	Title is missing!. Genetic Resources and Crop Evolution, 2003, 50, 829-833.	1.6	4
89	Nonadditive Changes in Genome Size During Allopolyploidization in the Wheat (Aegilops-Triticum) Group. , 2003, 94, 260-264.		121
90	AFLP Analysis of a Collection of Tetraploid Wheats Indicates the Origin of Emmer and Hard Wheat Domestication in Southeast Turkey. Molecular Biology and Evolution, 2002, 19, 1797-1801.	8.9	217

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91	Rapid differentiation of homeologous chromosomes in newly-formed allopolyploid wheat. Israel Journal of Plant Sciences, 2002, 50, 65-76.	0.5	32
92	Genetics and geography of wild cereal domestication in the near east. Nature Reviews Genetics, 2002, 3, 429-441.	16.3	607
93	Genotypic variation in tetraploid wheat affecting homoeologous pairing in hybrids withAegilops peregrina. Genome, 2001, 44, 1000-1006.	2.0	44
94	TOLERANCE OF 65 DURUM WHEAT GENOTYPES TO ZINC DEFICIENCY IN A CALCAREOUS SOIL. Journal of Plant Nutrition, 2001, 24, 1831-1847.	1.9	34
95	Allopolyploidy-Induced Rapid Genome Evolution in the Wheat (Aegilops-Triticum) Group. Plant Cell, 2001, 13, 1735-1747.	6.6	419
96	Allopolyploidy-Induced Rapid Genome Evolution in the Wheat (Aegilopsâ€“Triticum) Group. Plant Cell, 2001, 13, 1735-1747.	6.6	540
97	Sequence Elimination and Cytosine Methylation Are Rapid and Reproducible Responses of the Genome to Wide Hybridization and Allopolyploidy in Wheat. Plant Cell, 2001, 13, 1749.	6.6	4
98	Sequence Elimination and Cytosine Methylation Are Rapid and Reproducible Responses of the Genome to Wide Hybridization and Allopolyploidy in Wheat. Plant Cell, 2001, 13, 1749-1759.	6.6	612
99	CONTRIBUTION OF SOIL MINERAL NITROGEN IN WHEAT PRODUCTION. Journal of Plant Nutrition, 2001, 24, 1871-1883.	1.9	6
100	Sequence Elimination and Cytosine Methylation Are Rapid and Reproducible Responses of the Genome to Wide Hybridization and Allopolyploidy in Wheat. Plant Cell, 2001, 13, 1749-1759.	6.6	497
101	Genotypic variation in tetraploid wheat affecting homoeologous pairing in hybrids with Aegilops peregrina. Genome, 2001, 44, 1000-1006.	2.0	16
102	Yield and carbon isotope discrimination in near-isogenic lines of durum wheat differing in glume length. Cereal Research Communications, 2000, 28, 169-172.	1.6	3
103	Zinc and Iron Concentrations in Seeds of Wild, Primitive, and Modern Wheats. Food and Nutrition Bulletin, 2000, 21, 401-403.	1.4	162
104	Stress tolerance in hexaploid spring triticale under Mediterranean environment. Plant Breeding, 1999, 118, 365-367.	1.9	10
105	Differences in Zinc Efficiency among and within Diploid, Tetraploid and Hexaploid Wheats. Annals of Botany, 1999, 84, 163-171.	2.9	48
106	Variation in zinc efficiency among and within Aegilops species. Journal of Plant Nutrition and Soil Science, 1999, 162, 257-262.	1.9	19
107	Tolerance and stability studies on durum wheat under drought and heat stress conditions. Cereal Research Communications, 1998, 26, 405-412.	1.6	7
108	Correlation and Path Coefficient Analysis for Ear Characters in Triticale Under Mediterranean Climatic Conditions. Journal of Agronomy and Crop Science, 1995, 174, 297-300.	3.5	3

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109	GENETIC DIVERSITY OF CROCUS SATIVUS AND ITS CLOSE RELATIVE SPECIES ANALYZED BY iPBS-RETROTRANSPOSONS. Turkish Journal of Field Crops, 0, , .	0.8	6
110	Genetic analysis of some physical properties of bread wheat grain (Triticum aestivum L. em Thell). Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 0, , .	2.1	22
111	Screening of wild emmer wheat accessions (Triticum turgidum subsp. dicoccoides) for mycorrhizal dependency. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 0, , .	2.1	11
112	ÃœLKEMÄ°ZÄ°N FARKLI BÃ–LGELERÄ°NDEN TOPLANAN BAKLA (Vicia faba L.) YEREL POPULASYONLARININ AGRONOMÄ°K VE MORFOLOJÄ°K KAREKTERÄ°ZASYONU. KahramanmaraÅŸ SÃ¼tÃ§Ã¼ Ä°mam Ãœniversitesi TarÄ±m Ve DoÄŸa Dergisi, 0, , 356-361.	0.1	2