Gunter Backes

List of Publications by Year
in descending order

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32 papers	1,256 citations	430874 18 h-index	477307 29 g-index
32 all docs	32 docs citations	32 times ranked	1162 citing authors

#	Article	IF	Citations
1	QTLs for agronomic traits in the Mediterranean environment identified in recombinant inbred lines of the cross 'Arta' Ã— H. spontaneum 41-1. Theoretical and Applied Genetics, 2003, 107, 1215-1225.	3.6	196
2	Localization of quantitative trait loci (QTL) for agronomic important characters by the use of a RFLP map in barley (Hordeum vulgare L.). Theoretical and Applied Genetics, 1995, 90, 294-302.	3.6	165
3	Genetic Diversity and Population Structure Analysis of European Hexaploid Bread Wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Overlock	2.5	133
4	EcoTILLING for the identification of allelic variation in the powdery mildew resistance genes mlo and Mla of barley. Plant Breeding, 2006, 125, 461-467.	1.9	74
5	Localisation of genes for resistance against Blumeria graminis f.sp. hordei and Puccinia graminis in a cross between a barley cultivar and a wild barley (Hordeum vulgare ssp. spontaneum) line. Theoretical and Applied Genetics, 2003, 106, 353-362.	3.6	64
6	Localising QTLs for leaf rust resistance and agronomic traits in barley (Hordeum vulgare L.). Theoretical and Applied Genetics, 2000, 100, 881-888.	3.6	56
7	The Horn of Africa as a centre of barley diversification and a potential domestication site. Theoretical and Applied Genetics, 2007, 114, 1117-1127.	3.6	56
8	RFLP markers to identify the alleles on the Mla locus conferring powdery mildew resistance in barley. Theoretical and Applied Genetics, 1992, 84-84, 330-338.	3.6	55
9	Significant decrease in yield under future climate conditions: Stability and production of 138 spring barley accessions. European Journal of Agronomy, 2015, 63, 105-113.	4.1	43
10	Identification of barley mutants in the cultivar â€˜Luxâ€™ at the Dhn loci through TILLING. Plant Breeding, 2009, 128, 332-336.	1.9	42
11	RFLP diversity within and between major groups of barley in Europe. Plant Breeding, 2003, 122, 291-299.	1.9	33
12	Changes in allelic frequency over time in European bread wheat (Triticum aestivum L.) varieties revealed using DArT and SSR markers. Euphytica, 2014, 197, 447-462.	1.2	32
13	Short Communication Comparison between QTL analysis of powdery mildew resistance in barley based on detached primary leaves and on field data. Plant Breeding, 1996, 115, 419-421.	1.9	31
14	QTLs for straw quality characteristics identified in recombinant inbred lines of a Hordeum vulgare ï¿½ H. spontaneum cross in a Mediterranean environment. Theoretical and Applied Genetics, 2005, 110, 688-695.	3.6	31
15	Genetic diversity, population structure and linkage disequilibrium in Nordic spring barley (Hordeum) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	31
16	Genome-wide Association Study of Resistant Starch (RS) Phenotypes in a Barley Variety Collection. Journal of Agricultural and Food Chemistry, 2012, 60, 10302-10311.	5.2	27
17	Development of RFLP Markers for Barley. Plant Breeding, 1991, 107, 73-76.	1.9	22
18	Mapping of common bunt resistance gene Bt9 in wheat. Theoretical and Applied Genetics, 2017, 130, 1031-1040.	3.6	20

#	Article	IF	Citations
19	High genetic diversity revealed in barley (Hordeum vulgare) collected from small-scale farmerâ€™s fields in Eritrea. Genetic Resources and Crop Evolution, 2009, 56, 85-97.	1.6	19
20	New molecular markers linked to qualitative and quantitative powdery mildew and scald resistance genes in barley for dry areas. Euphytica, 2004, 135, 225-228.	1.2	18
21	Integration of the barley genetic and seed proteome maps for chromosome 1H, 2H, 3H, 5H and 7H. Functional and Integrative Genomics, 2009, 9, 135-143.	3.5	18
22	Molecular markers to exploit genotypeâ€“environment interactions of relevance in organic growing systems. Euphytica, 2008, 163, 523-531.	1.2	17
23	Genetic diversity and population structure of wild and cultivated barley from West Asia and North Africa. Plant Breeding, 2009, 128, 606-614.	1.9	17
24	Exposure to Ultraviolet (UV-C) Radiation Increases Germination Rate of Maize (Zea maize L.) and Sugar Beet (Beta vulgaris) Seeds. Plants, 2019, 8, 49.	3.5	17
25	Chromosomal regions associated with the in vitro culture response of wheat (<scp>T</scp>riticum aestivum <scp>L</scp>.) microspores. Plant Breeding, 2015, 134, 255-263.	1.9	13
26	Identification of Ideal Allele Combinations for the Adaptation of Spring Barley to Northern Latitudes. Frontiers in Plant Science, 2019, 10, 542.	3.6	10
27	QTLs and Genes for Disease Resistance in Barley and Wheat. , 2004, , 199-251.		5
28	Pathogenic variability of a Uruguayan population of Bipolaris sorokiniana in barley suggests a mix of quantitative and qualitative interactions. Journal of Plant Diseases and Protection, 2020, 127, 25-33.	2.9	4
29	Barley. , 2006, , 155-210.		2
30	TILLING and EcoTILLING. , 2013, , 145-165.		2
31	Association Mapping for Common Bunt Resistance in Wheat Landraces and Cultivars. Agronomy, 2022, 12, 642.	3.0	2
32	Genetic diversity and structure found in samples of Eritrean bread wheat. Plant Genetic Resources: Characterisation and Utilisation, 2014, 12, 151-155.	0.8	1