

# Gunter Backes

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Association Mapping for Common Bunt Resistance in Wheat Landraces and Cultivars. <i>Agronomy</i> , 2022, 12, 642.   | 3.0 | 2         |
| 2  | Pathogenic variability of a Uruguayan population of <i>Bipolaris sorokiniana</i> in barley suggests a mix of quantitative and qualitative interactions. <i>Journal of Plant Diseases and Protection</i> , 2020, 127, 25-33. | 2.9 | 4         |
| 3  | Identification of Ideal Allele Combinations for the Adaptation of Spring Barley to Northern Latitudes. <i>Frontiers in Plant Science</i> , 2019, 10, 542.   | 3.6 | 10        |
| 4  | Exposure to Ultraviolet (UV-C) Radiation Increases Germination Rate of Maize ( <i>Zea mays</i> L.) and Sugar Beet ( <i>Beta vulgaris</i> ) Seeds. <i>Plants</i> , 2019, 8, 49.  | 3.5 | 17        |
| 5  | Mapping of common bunt resistance gene Bt9 in wheat. <i>Theoretical and Applied Genetics</i> , 2017, 130, 1031-1040.  | 3.6 | 20        |
| 6  | Genetic diversity, population structure and linkage disequilibrium in Nordic spring barley ( <i>Hordeum</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>  | 1.6 | 31        |
| 7  | Chromosomal regions associated with the <i>in vitro</i> culture response of wheat ( <i>Triticum aestivum</i> L.) microspores. <i>Plant Breeding</i> , 2015, 134, 255-263.   | 1.9 | 13        |
| 8  | Significant decrease in yield under future climate conditions: Stability and production of 138 spring barley accessions. <i>European Journal of Agronomy</i> , 2015, 63, 105-113.   | 4.1 | 43        |
| 9  | Genetic Diversity and Population Structure Analysis of European Hexaploid Bread Wheat ( <i>Triticum</i> ) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 133</i>   | 2.5 | 133       |
| 10 | Genetic diversity and structure found in samples of Eritrean bread wheat. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2014, 12, 151-155.   | 0.8 | 1         |
| 11 | Changes in allelic frequency over time in European bread wheat ( <i>Triticum aestivum</i> L.) varieties revealed using DArT and SSR markers. <i>Euphytica</i> , 2014, 197, 447-462.   | 1.2 | 32        |
| 12 | TILLING and EcoTILLING. , 2013, , 145-165.  |     | 2         |
| 13 | Genome-wide Association Study of Resistant Starch (RS) Phenotypes in a Barley Variety Collection. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10302-10311.  | 5.2 | 27        |
| 14 | Integration of the barley genetic and seed proteome maps for chromosome 1H, 2H, 3H, 5H and 7H. <i>Functional and Integrative Genomics</i> , 2009, 9, 135-143.   | 3.5 | 18        |
| 15 | High genetic diversity revealed in barley ( <i>Hordeum vulgare</i> ) collected from small-scale farmer's fields in Eritrea. <i>Genetic Resources and Crop Evolution</i> , 2009, 56, 85-97.                                  | 1.6 | 19        |
| 16 | Genetic diversity and population structure of wild and cultivated barley from West Asia and North Africa. <i>Plant Breeding</i> , 2009, 128, 606-614.   | 1.9 | 17        |
| 17 | Identification of barley mutants in the cultivar 'Lux' at the <i>Dhn</i> loci through TILLING. <i>Plant Breeding</i> , 2009, 128, 332-336.  | 1.9 | 42        |
| 18 | Molecular markers to exploit genotype-environment interactions of relevance in organic growing systems. <i>Euphytica</i> , 2008, 163, 523-531.  | 1.2 | 17        |

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|----|---|-----|-----------|
| 19 | The Horn of Africa as a centre of barley diversification and a potential domestication site. <i>Theoretical and Applied Genetics</i> , 2007, 114, 1117-1127.  | 3.6 | 56        |
| 20 | Barley. , 2006, , 155-210.  |     | 2         |
| 21 | EcoTILLING for the identification of allelic variation in the powdery mildew resistance genes mlo and Mla of barley. <i>Plant Breeding</i> , 2006, 125, 461-467.  | 1.9 | 74        |
| 22 | QTLs for straw quality characteristics identified in recombinant inbred lines of a <i>Hordeum vulgare</i> × <i>H. spontaneum</i> cross in a Mediterranean environment. <i>Theoretical and Applied Genetics</i> , 2005, 110, 688-695.  | 3.6 | 31        |
| 23 | New molecular markers linked to qualitative and quantitative powdery mildew and scald resistance genes in barley for dry areas. <i>Euphytica</i> , 2004, 135, 225-228.  | 1.2 | 18        |
| 24 | QTLs and Genes for Disease Resistance in Barley and Wheat. , 2004, , 199-251.   |     | 5         |
| 25 | Localisation of genes for resistance against <i>Blumeria graminis</i> f.sp. <i>hordei</i> and <i>Puccinia graminis</i> in a cross between a barley cultivar and a wild barley ( <i>Hordeum vulgare</i> ssp. <i>spontaneum</i> ) line. <i>Theoretical and Applied Genetics</i> , 2003, 106, 353-362. | 3.6 | 64        |
| 26 | QTLs for agronomic traits in the Mediterranean environment identified in recombinant inbred lines of the cross 'Arta' × <i>H. spontaneum</i> 41-1. <i>Theoretical and Applied Genetics</i> , 2003, 107, 1215-1225.  | 3.6 | 196       |
| 27 | RFLP diversity within and between major groups of barley in Europe. <i>Plant Breeding</i> , 2003, 122, 291-299.   | 1.9 | 33        |
| 28 | Localising QTLs for leaf rust resistance and agronomic traits in barley ( <i>Hordeum vulgare</i> L.). <i>Theoretical and Applied Genetics</i> , 2000, 100, 881-888.   | 3.6 | 56        |
| 29 | Short Communication Comparison between QTL analysis of powdery mildew resistance in barley based on detached primary leaves and on field data. <i>Plant Breeding</i> , 1996, 115, 419-421.  | 1.9 | 31        |
| 30 | Localization of quantitative trait loci (QTL) for agronomic important characters by the use of a RFLP map in barley ( <i>Hordeum vulgare</i> L.). <i>Theoretical and Applied Genetics</i> , 1995, 90, 294-302.  | 3.6 | 165       |
| 31 | RFLP markers to identify the alleles on the Mla locus conferring powdery mildew resistance in barley. <i>Theoretical and Applied Genetics</i> , 1992, 84-84, 330-338.   | 3.6 | 55        |
| 32 | Development of RFLP Markers for Barley. <i>Plant Breeding</i> , 1991, 107, 73-76.   | 1.9 | 22        |