

# Luzie U Wingen

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,973  
citations

279798

23  
h-index

330143

37  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2787  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Meta-QTL analysis of the genetic control of ear emergence in elite European winter wheat germplasm. <i>Theoretical and Applied Genetics</i> , 2009, 119, 383-395.  | 3.6 | 225       |
| 2  | Phenotyping pipeline reveals major seedling root growth QTL in hexaploid wheat. <i>Journal of Experimental Botany</i> , 2015, 66, 2283-2292.   | 4.8 | 196       |
| 3  | Meta-QTL analysis of the genetic control of crop height in elite European winter wheat germplasm. <i>Molecular Breeding</i> , 2012, 29, 159-171.   | 2.1 | 127       |
| 4  | Delimitation of the <i>Earliness per se D1</i> ( <i>Eps-D1</i> ) flowering gene to a subtelomeric chromosomal deletion in bread wheat ( <i>Triticum aestivum</i> ). <i>Journal of Experimental Botany</i> , 2016, 67, 287-299.   | 4.8 | 100       |
| 5  | Induction of aneuploidy by increasing chromosomal instability during dedifferentiation of hepatocellular carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1309-1314.   | 7.1 | 91        |
| 6  | Establishing the A. E. Watkins landrace cultivar collection as a resource for systematic gene discovery in bread wheat. <i>Theoretical and Applied Genetics</i> , 2014, 127, 1831-1842.  | 3.6 | 89        |
| 7  | Genetic Dissection of Grain Size and Grain Number Trade-Offs in CIMMYT Wheat Germplasm. <i>PLoS ONE</i> , 2015, 10, e0118847.  | 2.5 | 88        |
| 8  | Analysis of the recombination landscape of hexaploid bread wheat reveals genes controlling recombination and gene conversion frequency. <i>Genome Biology</i> , 2019, 20, 69.  | 8.8 | 79        |
| 9  | A roadmap for gene functional characterisation in crops with large genomes: Lessons from polyploid wheat. <i>ELife</i> , 2020, 9, .  | 6.0 | 78        |
| 10 | Validation of a 1DL earliness per se ( <i>eps</i> ) flowering QTL in bread wheat ( <i>Triticum aestivum</i> ). <i>Molecular Breeding</i> , 2014, 34, 1023-1033.  | 2.1 | 76        |
| 11 | Wheat Landrace Genome Diversity. <i>Genetics</i> , 2017, 205, 1657-1676.   | 2.9 | 76        |
| 12 | Quantitative High-Resolution CpG Island Mapping with Pyrosequencing, Reveals Disease-Specific Methylation Patterns of the CDKN2B Gene in Myelodysplastic Syndrome and Myeloid Leukemia. <i>Clinical Chemistry</i> , 2007, 53, 17-23.   | 3.2 | 69        |
| 13 | A haplotype-led approach to increase the precision of wheat breeding. <i>Communications Biology</i> , 2020, 3, 712.  | 4.4 | 68        |
| 14 | High-density genotyping of the A.E. Watkins Collection of hexaploid landraces identifies a large molecular diversity compared to elite bread wheat. <i>Plant Biotechnology Journal</i> , 2018, 16, 165-175.  | 8.3 | 67        |
| 15 | Distinct Methylation Patterns of Benign and Malignant Liver Tumors Revealed by Quantitative Methylation Profiling. <i>Clinical Cancer Research</i> , 2005, 11, 3654-3660.  | 7.0 | 60        |
| 16 | Molecular genetic basis of pod corn ( <i>Tunicate</i> maize). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7115-7120.   | 7.1 | 48        |
| 17 | Epigenetic defects of hepatocellular carcinoma are already found in non-neoplastic liver cells from patients with hereditary haemochromatosis. <i>Human Molecular Genetics</i> , 2007, 16, 1335-1342.  | 2.9 | 45        |
| 18 | The identification of new candidate genes <i>Triticum aestivum</i> <i>FLOWERING LOCUS T3</i> ( <i>TaFT3</i> ) and <i>TARGET OF EAT1</i> ( <i>TaTOE1</i> ) controlling the short-day photoperiod response in bread wheat. <i>Plant, Cell and Environment</i> , 2017, 40, 2678-2690. | 5.7 | 45        |

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|----|---|-----|-----------|
| 19 | Assessment of Differentiation and Progression of Hepatic Tumors Using Array-Based Comparative Genomic Hybridization. <i>Clinical Gastroenterology and Hepatology</i> , 2006, 4, 1283-1291.              | 4.4 | 42        |
| 20 | The role of gene flow and chromosomal instability in shaping the bread wheat genome. <i>Nature Plants</i> , 2021, 7, 172-183.   | 9.3 | 36        |
| 21 | Application of a library of near isogenic lines to understand context dependent expression of QTL for grain yield and adaptive traits in bread wheat. <i>BMC Plant Biology</i> , 2016, 16, 161.         | 3.6 | 35        |
| 22 | Functional QTL mapping and genomic prediction of canopy height in wheat measured using a robotic field phenotyping platform. <i>Journal of Experimental Botany</i> , 2020, 71, 1885-1898.               | 4.8 | 30        |
| 23 | The Population Genetic Structure of Clonal Organisms Generated by Exponentially Bounded and Fat-Tailed Dispersal. <i>Genetics</i> , 2007, 177, 435-448.   | 2.9 | 27        |
| 24 | Long-distance dispersal and its influence on adaptation to host resistance in a heterogeneous landscape. <i>Plant Pathology</i> , 2013, 62, 9-20.   | 2.4 | 27        |
| 25 | Using the UK reference population Avalon—Cadenza as a platform to compare breeding strategies in elite Western European bread wheat. <i>Molecular Breeding</i> , 2015, 35, 70.                          | 2.1 | 24        |
| 26 | Identification of a major QTL and associated molecular marker for high arabinoxylan fibre in white wheat flour. <i>PLoS ONE</i> , 2020, 15, e0227826.   | 2.5 | 20        |
| 27 | CerealsDB—new tools for the analysis of the wheat genome: update 2020. <i>Database: the Journal of Biological Databases and Curation</i> , 2020, 2020, .  | 3.0 | 16        |
| 28 | Natural Selection Towards Wild-Type in Composite Cross Populations of Winter Wheat. <i>Frontiers in Plant Science</i> , 2019, 10, 1757.   | 3.6 | 15        |
| 29 | Communicating BRCA1 and BRCA2 Genetic Test Results. <i>Journal of Clinical Oncology</i> , 2006, 24, 2969-2970.  | 1.6 | 12        |
| 30 | Genetic variation in wheat grain quality is associated with differences in the galactolipid content of flour and the gas bubble properties of dough liquor. <i>Food Chemistry: X</i> , 2020, 6, 100093. | 4.3 | 12        |
| 31 | Interactions between two QTLs for time to anthesis on spike development and fertility in wheat. <i>Scientific Reports</i> , 2021, 11, 2451.   | 3.3 | 10        |
| 32 | Analysis of Array-CGH Data Using the R and Bioconductor Software Suite. <i>Comparative and Functional Genomics</i> , 2009, 2009, 1-8.   | 2.0 | 8         |
| 33 | Resolving a QTL complex for height, heading, and grain yield on chromosome 3A in bread wheat. <i>Journal of Experimental Botany</i> , 2021, 72, 2965-2978.  | 4.8 | 8         |
| 34 | Diversity of Pod Shape in <i>Pisum</i> . <i>Diversity</i> , 2021, 13, 203.  | 1.7 | 7         |
| 35 | Trend, population structure, and trait mapping from 15 years of national varietal trials of UK winter wheat. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .  | 1.8 | 5         |
| 36 | Opinion Exploiting genomics to improve the benefits of wheat: Prospects and limitations. <i>Journal of Cereal Science</i> , 2022, 105, 103444.  | 3.7 | 4         |

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|----|---|-----|-----------|
| 37 | An Integrated Linkage Map of Three Recombinant Inbred Populations of Pea ( <i>Pisum sativum</i> L.). <i>Genes</i> , 2022, 13, 196.  | 2.4 | 3         |
| 38 | Drug-Response Signature Predicts Outcome in Adult Acute Myeloid Leukemia and Associates Poor Response with Molecular Characteristics of Hematopoietic Stem Cells.. <i>Blood</i> , 2004, 104, 2024-2024. | 1.4 | 0         |