

Peter Langridge

List of Publications by Year in descending order

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256
papers

23,985
citations

7568

77
h-index

9345

143
g-index

263
all docs

263
docs citations

263
times ranked

18243
citing authors

#	ARTICLE	IF	CITATIONS
1	Breeding Technologies to Increase Crop Production in a Changing World. <i>Science</i> , 2010, 327, 818-822.	12.6	1,795
2	A physical, genetic and functional sequence assembly of the barley genome. <i>Nature</i> , 2012, 491, 711-716.	27.8	1,416
3	A chromosome conformation capture ordered sequence of the barley genome. <i>Nature</i> , 2017, 544, 427-433.	27.8	1,365
4	Multiple wheat genomes reveal global variation in modern breeding. <i>Nature</i> , 2020, 588, 277-283.	27.8	513
5	Feeding the future. <i>Nature</i> , 2013, 499, 23-24.	27.8	464
6	Genetic and genomic tools to improve drought tolerance in wheat. <i>Journal of Experimental Botany</i> , 2010, 61, 3211-3222.	4.8	461
7	Boron-Toxicity Tolerance in Barley Arising from Efflux Transporter Amplification. <i>Science</i> , 2007, 318, 1446-1449.	12.6	422
8	Improvement of stress tolerance of wheat and barley by modulation of expression of DREB/CBF factors. <i>Plant Biotechnology Journal</i> , 2011, 9, 230-249.	8.3	389
9	Extraction of nucleic acids from agarose gels. <i>Analytical Biochemistry</i> , 1980, 103, 264-271.	2.4	376
10	Drought Responses of Leaf Tissues from Wheat Cultivars of Differing Drought Tolerance at the Metabolite Level. <i>Molecular Plant</i> , 2012, 5, 418-429.	8.3	370
11	Cereal breeding takes a walk on the wild side. <i>Trends in Genetics</i> , 2008, 24, 24-32.	6.7	355
12	The barley pan-genome reveals the hidden legacy of mutation breeding. <i>Nature</i> , 2020, 588, 284-289.	27.8	314
13	A high density barley microsatellite consensus map with 775 SSR loci. <i>Theoretical and Applied Genetics</i> , 2007, 114, 1091-1103.	3.6	308
14	Early Flowering as a Drought Escape Mechanism in Plants: How Can It Aid Wheat Production?. <i>Frontiers in Plant Science</i> , 2017, 8, 1950.	3.6	302
15	Different mechanisms of adaptation to cyclic water stress in two South Australian bread wheat cultivars. <i>Journal of Experimental Botany</i> , 2008, 59, 3327-3346.	4.8	285
16	Interspecific transferability and comparative mapping of barley EST-SSR markers in wheat, rye and rice. <i>Plant Science</i> , 2005, 168, 195-202.	3.6	266
17	In silico analysis on frequency and distribution of microsatellites in ESTs of some cereal species. <i>Cellular and Molecular Biology Letters</i> , 2002, 7, 537-46.	7.0	264
18	Physiological breeding. <i>Current Opinion in Plant Biology</i> , 2016, 31, 162-171.	7.1	249

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19	Can genomics boost productivity of orphan crops?. <i>Nature Biotechnology</i> , 2012, 30, 1172-1176.	17.5	248
20	Marker-assisted wheat breeding: present status and future possibilities. <i>Molecular Breeding</i> , 2010, 26, 145-161.	2.1	245
21	Detection of two major grain yield QTL in bread wheat (<i>Triticum aestivum</i> L.) under heat, drought and high yield potential environments. <i>Theoretical and Applied Genetics</i> , 2012, 125, 1473-1485.	3.6	243
22	Hybrid breeding in wheat: technologies to improve hybrid wheat seed production. <i>Journal of Experimental Botany</i> , 2013, 64, 5411-5428.	4.8	239
23	Extreme Population-Dependent Linkage Disequilibrium Detected in an Inbreeding Plant Species, <i>Hordeum vulgare</i> . <i>Genetics</i> , 2006, 172, 557-567.	2.9	229
24	Phenotyping approaches for physiological breeding and gene discovery in wheat. <i>Annals of Applied Biology</i> , 2009, 155, 309-320.	2.5	224
25	Identification and mapping of polymorphisms in cereals based on the polymerase chain reaction. <i>Theoretical and Applied Genetics</i> , 1991, 82, 209-216.	3.6	203
26	Making the most of "omics"™ for crop breeding. <i>Trends in Biotechnology</i> , 2011, 29, 33-40.	9.3	199
27	The International Barley Sequencing Consortium" At the Threshold of Efficient Access to the Barley Genome. <i>Plant Physiology</i> , 2009, 149, 142-147.	4.8	195
28	Genetic dissection of grain yield in bread wheat. I. QTL analysis. <i>Theoretical and Applied Genetics</i> , 2007, 115, 1029-1041.	3.6	191
29	Zinc Deficiency Up-Regulates Expression of High-Affinity Phosphate Transporter Genes in Both Phosphate-Sufficient and -Deficient Barley Roots. <i>Plant Physiology</i> , 2000, 124, 415-422.	4.8	174
30	An Investigation of Boron Toxicity in Barley Using Metabolomics. <i>Plant Physiology</i> , 2006, 142, 1087-1101.	4.8	174
31	Regulation of hydrogen sulfide liberation in wine-producing <i>Saccharomyces cerevisiae</i> strains by assimilable nitrogen. <i>Applied and Environmental Microbiology</i> , 1995, 61, 461-467.	3.1	171
32	Metabolite Profiling Reveals Distinct Changes in Carbon and Nitrogen Metabolism in Phosphate-Deficient Barley Plants (<i>Hordeum vulgare</i> L.). <i>Plant and Cell Physiology</i> , 2008, 49, 691-703.	3.1	169
33	Boron Toxicity Tolerance in Barley through Reduced Expression of the Multifunctional Aquaporin HvNIP2;1. <i>Plant Physiology</i> , 2010, 153, 1706-1715.	4.8	159
34	RFLP mapping of manganese efficiency in barley. <i>Theoretical and Applied Genetics</i> , 2000, 101, 1100-1108.	3.6	157
35	Isolation and characterization of wheat-rye recombinants involving chromosome arm 1DS of wheat. <i>Theoretical and Applied Genetics</i> , 1991, 82, 537-544.	3.6	153
36	Mapping loci associated with flour colour in wheat (<i>Triticum aestivum</i> L.). <i>Theoretical and Applied Genetics</i> , 1998, 97, 238-245.	3.6	145

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37	Trends in genetic and genome analyses in wheat: a review. Australian Journal of Agricultural Research, 2001, 52, 1043.	1.5	141
38	The genetic control of milling yield, dough rheology and baking quality of wheat. Theoretical and Applied Genetics, 2006, 112, 1487-1495.	3.6	141
39	Modulation of plant growth by HD-Zip class I and II transcription factors in response to environmental stimuli. New Phytologist, 2011, 190, 823-837.	7.3	139
40	Cloning and characterisation of a new rye-specific repeated sequence. Genome, 1991, 34, 81-87.	2.0	138
41	An atlas of gene expression from seed to seed through barley development. Functional and Integrative Genomics, 2006, 6, 202-211.	3.5	138
42	Large-scale analysis of the barley transcriptome based on expressed sequence tags. Plant Journal, 2004, 40, 276-290.	5.7	137
43	The transcript composition of egg cells changes significantly following fertilization in wheat (<i>Triticum aestivum</i> L.). Plant Journal, 2005, 41, 660-672.	5.7	136
44	Differential expression of microRNA and other small RNA in barley between water and drought conditions. Plant Biotechnology Journal, 2015, 13, 2-13.	8.3	134
45	Decreasing acetic acid accumulation by a glycerol overproducing strain of <i>Saccharomyces cerevisiae</i> by deleting the <i>ALD6</i> aldehyde dehydrogenase gene. Yeast, 2002, 19, 295-301.	1.7	132
46	<i>HvNax3</i> a locus controlling shoot sodium exclusion derived from wild barley (<i>Hordeum vulgare</i> ssp.) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.5	132
47	Genetic dissection of grain yield and physical grain quality in bread wheat (<i>Triticum aestivum</i> L.) under water-limited environments. Theoretical and Applied Genetics, 2012, 125, 255-271.	3.6	132
48	Construction of a map-based reference genome sequence for barley, <i>Hordeum vulgare</i> L.. Scientific Data, 2017, 4, 170044.	5.3	130
49	CRISPR/Cas9-mediated knockout of <i>Ms1</i> enables the rapid generation of male-sterile hexaploid wheat lines for use in hybrid seed production. Plant Biotechnology Journal, 2019, 17, 1905-1913.	8.3	125
50	Genomic tools to assist breeding for drought tolerance. Current Opinion in Biotechnology, 2015, 32, 130-135.	6.6	124
51	The impact of drought on wheat leaf cuticle properties. BMC Plant Biology, 2017, 17, 85.	3.6	120
52	Discovery of barley miRNAs through deep sequencing of short reads. BMC Genomics, 2011, 12, 129.	2.8	118
53	Thermostability variation in alleles of barley beta-amylase. Journal of Cereal Science, 1998, 28, 301-309.	3.7	117
54	A zein gene of maize is transcribed from two widely separated promoter regions. Cell, 1983, 34, 1015-1022.	28.9	116

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55	Whole-Genome Mapping of Agronomic and Metabolic Traits to Identify Novel Quantitative Trait Loci in Bread Wheat Grown in a Water-Limited Environment. <i>Plant Physiology</i> , 2013, 162, 1266-1281.	4.8	115
56	Construction of three linkage maps in bread wheat, <i>Triticum aestivum</i> . <i>Australian Journal of Agricultural Research</i> , 2001, 52, 1089.	1.5	114
57	Increased expression of six <i>ZIP</i> family genes by zinc (Zn) deficiency is associated with enhanced uptake and root-to-shoot translocation of Zn in barley (<i>Hordeum vulgare</i>). <i>New Phytologist</i> , 2015, 207, 1097-1109.	7.3	114
58	Functional genomics of abiotic stress tolerance in cereals. <i>Briefings in Functional Genomics & Proteomics</i> , 2006, 4, 343-354.	3.8	113
59	<i>ZIP7</i> mediates zinc accumulation in barley (<i>Hordeum vulgare</i>) Tj ETQq1 1 0.784314 rgBT/Overlook	7.3	112
60	A consensus linkage map of barley. <i>Molecular Breeding</i> , 1995, 1, 389-395.	2.1	111
61	Mapping of chromosome regions conferring boron toxicity tolerance in barley (<i>Hordeum vulgare</i> L.). <i>Theoretical and Applied Genetics</i> , 1999, 98, 1293-1303.	3.6	107
62	Genetic mapping and BAC assignment of EST-derived SSR markers shows non-uniform distribution of genes in the barley genome. <i>Theoretical and Applied Genetics</i> , 2006, 113, 239-250.	3.6	107
63	A Comprehensive Expression Profile of MicroRNAs and Other Classes of Non-Coding Small RNAs in Barley Under Phosphorous-Deficient and -Sufficient Conditions. <i>DNA Research</i> , 2013, 20, 109-125.	3.4	106
64	Molecular basis of adaptation to high soil boron in wheat landraces and elite cultivars. <i>Nature</i> , 2014, 514, 88-91.	27.8	106
65	Phosphate Utilization Efficiency Correlates with Expression of Low-Affinity Phosphate Transporters and Noncoding RNA, <i>IPS1</i> , in Barley. <i>Plant Physiology</i> , 2011, 156, 1217-1229.	4.8	105
66	TaASY1 promotes homologous chromosome interactions and is affected by deletion of <i>Ph1</i> . <i>Plant Journal</i> , 2009, 57, 487-497.	5.7	104
67	Nucleotide sequence of a circular single-stranded DNA associated with coconut foliar decay virus. <i>Virology</i> , 1990, 176, 648-651.	2.4	103
68	Genetic diversity in Australian wheat varieties and breeding material based on RFLP data. <i>Theoretical and Applied Genetics</i> , 1998, 96, 435-446.	3.6	103
69	Cloning plant genes differentially expressed during colonization of roots of <i>Hordeum vulgare</i> by the vesicular-arbuscular mycorrhizal fungus <i>Glomus intraradices</i> . <i>New Phytologist</i> , 1997, 135, 291-301.	7.3	100
70	AFLP fingerprinting for analysis of yeast genetic variation. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 915-924.	1.7	100
71	Mapping and validation of chromosome regions conferring boron toxicity tolerance in wheat (<i>Triticum aestivum</i>). <i>Theoretical and Applied Genetics</i> , 2000, 101, 767-777.	3.6	100
72	Characterization of phosphorus-regulated miR399 and miR827 and their isomirs in barley under phosphorus-sufficient and phosphorus-deficient conditions. <i>BMC Plant Biology</i> , 2013, 13, 214.	3.6	94

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73	Exploring genetic variation for salinity tolerance in chickpea using image-based phenotyping. <i>Scientific Reports</i> , 2017, 7, 1300.	3.3	94
74	A consensus map of barley integrating SSR, RFLP, and AFLP markers. <i>Australian Journal of Agricultural Research</i> , 2003, 54, 1173.	1.5	89
75	Differentiation and species identification of yeasts using PCR. <i>International Journal of Systematic Bacteriology</i> , 1998, 48, 279-286.	2.8	87
76	Abiotic stress miRNomes in the Triticeae. <i>Functional and Integrative Genomics</i> , 2017, 17, 145-170.	3.5	86
77	Genetic control of grain yield and grain physical characteristics in a bread wheat population grown under a range of environmental conditions. <i>Theoretical and Applied Genetics</i> , 2014, 127, 1607-1624.	3.6	85
78	Microarray expression analysis of meiosis and microsporogenesis in hexaploid bread wheat. <i>BMC Genomics</i> , 2006, 7, 267.	2.8	82
79	Molecular identification of the wheat male fertility gene <i>Ms1</i> and its prospects for hybrid breeding. <i>Nature Communications</i> , 2017, 8, 869.	12.8	82
80	A study of the role of root morphological traits in growth of barley in zinc-deficient soil. <i>Journal of Experimental Botany</i> , 2007, 58, 2775-2784.	4.8	80
81	The <i>TaDREB3</i> transgene transferred by conventional crossings to different genetic backgrounds of bread wheat improves drought tolerance. <i>Plant Biotechnology Journal</i> , 2016, 14, 313-322.	8.3	80
82	Multi-environment analysis and improved mapping of a yield-related QTL on chromosome 3B of wheat. <i>Theoretical and Applied Genetics</i> , 2013, 126, 747-761.	3.6	77
83	A Sequence-Ready Physical Map of Barley Anchored Genetically by Two Million Single-Nucleotide Polymorphisms. <i>Plant Physiology</i> , 2014, 164, 412-423.	4.8	77
84	Self-incompatibility in the Grasses. <i>Annals of Botany</i> , 2000, 85, 203-209.	2.9	76
85	Identification of novel quantitative trait loci for days to ear emergence and flag leaf glaucousness in a bread wheat (<i>Triticum aestivum</i> L.) population adapted to southern Australian conditions. <i>Theoretical and Applied Genetics</i> , 2012, 124, 697-711.	3.6	76
86	Optimization of <i>TaDREB3</i> gene expression in transgenic barley using cold-inducible promoters. <i>Plant Biotechnology Journal</i> , 2013, 11, 659-670.	8.3	76
87	Transformation of cereals via <i>Agrobacterium</i> and the pollen pathway: a critical assessment. <i>Plant Journal</i> , 1992, 2, 631-638.	5.7	73
88	The <i>Ph2</i> pairing homoeologous locus of wheat (<i>Triticum aestivum</i>): identification of candidate meiotic genes using a comparative genetics approach. <i>Plant Journal</i> , 2003, 36, 443-456.	5.7	73
89	Differential expression of microRNAs and potential targets under drought stress in barley. <i>Plant, Cell and Environment</i> , 2017, 40, 11-24.	5.7	73
90	STS-PCR markers appropriate for wheat-barley introgression. <i>Theoretical and Applied Genetics</i> , 1996, 93-93, 826-832.	3.6	72

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91	A barley activation tagging system. <i>Plant Molecular Biology</i> , 2007, 64, 329-347.	3.9	72
92	Detection of QTL for metabolic and agronomic traits in wheat with adjustments for variation at genetic loci that affect plant phenology. <i>Plant Science</i> , 2015, 233, 143-154.	3.6	72
93	Tetrapyrrole-based drought stress signalling. <i>Plant Biotechnology Journal</i> , 2015, 13, 447-459.	8.3	71
94	Breeding for drought and heat tolerance in wheat. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1753-1769.	3.6	70
95	RFLP mapping of the Ha 2 cereal cyst nematode resistance gene in barley. <i>Theoretical and Applied Genetics</i> , 1997, 94, 1060-1064.	3.6	69
96	Genetic dissection of grain yield in bread wheat. II. QTL-by-environment interaction. <i>Theoretical and Applied Genetics</i> , 2007, 115, 1015-1027.	3.6	69
97	Marker-assisted backcross introgression of the Yd2 gene conferring resistance to barley yellow dwarf virus in barley. <i>Plant Breeding</i> , 2003, 122, 52-56.	1.9	68
98	Comparative Sequence Analysis of the Region Harboring the Hardness Locus in Barley and Its Colinear Region in Rice. <i>Plant Physiology</i> , 2004, 136, 3177-3190.	4.8	68
99	Combining field performance with controlled environment plant imaging to identify the genetic control of growth and transpiration underlying yield response to water-deficit stress in wheat. <i>Journal of Experimental Botany</i> , 2015, 66, 5481-5492.	4.8	67
100	Identification of Reference Genes for Quantitative Expression Analysis of MicroRNAs and mRNAs in Barley under Various Stress Conditions. <i>PLoS ONE</i> , 2015, 10, e0118503.	2.5	67
101	Identification of genetic loci associated with ear-emergence in bread wheat. <i>Theoretical and Applied Genetics</i> , 2006, 113, 1103-1112.	3.6	66
102	A Comparison of Mainstream Genotyping Platforms for the Evaluation and Use of Barley Genetic Resources. <i>Frontiers in Plant Science</i> , 2019, 10, 544.	3.6	66
103	RFLP markers associated with Sr22 and recombination between chromosome 7A of bread wheat and the diploid species <i>Triticum boeoticum</i> . <i>Theoretical and Applied Genetics</i> , 1994, 89-89, 1039-1045.	3.6	62
104	Comparative transcriptomics in the Triticeae. <i>BMC Genomics</i> , 2009, 10, 285.	2.8	62
105	Drought-inducible expression of Hv-miR827 enhances drought tolerance in transgenic barley. <i>Functional and Integrative Genomics</i> , 2017, 17, 279-292.	3.5	62
106	Identification and mapping of a gene conferring resistance to the spot form of net blotch (<i>Pyrenophora teres f maculata</i>) in barley. <i>Theoretical and Applied Genetics</i> , 1999, 99, 323-327.	3.6	60
107	TaMSH7: A cereal mismatch repair gene that affects fertility in transgenic barley (<i>Hordeum vulgare</i> L.). <i>BMC Plant Biology</i> , 2007, 7, 67.	3.6	60
108	QTL analysis and fine mapping of a QTL for yield-related traits in wheat grown in dry and hot environments. <i>Theoretical and Applied Genetics</i> , 2020, 133, 239-257.	3.6	59

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109	Squashes of plant tissue as substrate for PCR. <i>Nucleic Acids Research</i> , 1991, 19, 6954-6954.	14.5	57
110	Fermentation properties of a wine yeast over-expressing the <i>Saccharomyces cerevisiae</i> glycerol 3-phosphate dehydrogenase gene (GPD2). <i>Australian Journal of Grape and Wine Research</i> , 2000, 6, 208-215.	2.1	57
111	Constitutive overexpression of the <i>TaNF-YB4</i> gene in transgenic wheat significantly improves grain yield. <i>Journal of Experimental Botany</i> , 2015, 66, 6635-6650.	4.8	56
112	gRNA validation for wheat genome editing with the CRISPR-Cas9 system. <i>BMC Biotechnology</i> , 2019, 19, 71.	3.3	55
113	Fine mapping and targeted SNP survey using rice-wheat gene colinearity in the region of the Bo1 boron toxicity tolerance locus of bread wheat. <i>Theoretical and Applied Genetics</i> , 2007, 115, 451-461.	3.6	53
114	Harnessing the potential of germplasm collections. <i>Nature Genetics</i> , 2019, 51, 200-201.	21.4	53
115	The incidence of killer activity of non- <i>Saccharomyces</i> yeasts towards indigenous yeast species of grape must: potential application in wine fermentation. <i>Journal of Applied Microbiology</i> , 2000, 89, 381-389.	3.1	52
116	Mutations of barley β -amylase that improve substrate-binding affinity and thermostability. <i>Molecular Genetics and Genomics</i> , 2001, 266, 345-352.	2.1	52
117	Identification of RFLP markers linked to the cereal cyst nematode resistance gene (Cre) in wheat. <i>Theoretical and Applied Genetics</i> , 1994, 89-89, 927-930.	3.6	51
118	Potential of SSR markers for plant breeding and variety identification in Australian barley germplasm. <i>Australian Journal of Agricultural Research</i> , 2003, 54, 1197.	1.5	51
119	Isolation of plant transcription factors using a modified yeast one-hybrid system. <i>Plant Methods</i> , 2006, 2, 3.	4.3	51
120	Transcriptome-scale homoeolog-specific transcript assemblies of bread wheat. <i>BMC Genomics</i> , 2012, 13, 492.	2.8	51
121	A DNA mismatch repair gene links to the <i>Ph2</i> locus in wheat. <i>Genome</i> , 2002, 45, 116-124.	2.0	50
122	Overexpression of the <i>TaSHN1</i> transcription factor in bread wheat leads to leaf surface modifications, improved drought tolerance, and no yield penalty under controlled growth conditions. <i>Plant, Cell and Environment</i> , 2018, 41, 2549-2566.	5.7	50
123	RFLP mapping of a new cereal cyst nematode resistance locus in barley. <i>Plant Breeding</i> , 1998, 117, 185-187.	1.9	48
124	A biolistic method for high-throughput production of transgenic wheat plants with single gene insertions. <i>BMC Plant Biology</i> , 2018, 18, 135.	3.6	48
125	Defensin promoters as potential tools for engineering disease resistance in cereal grains. <i>Plant Biotechnology Journal</i> , 2010, 8, 47-64.	8.3	47
126	Characterization of the wheat endosperm transfer cell-specific protein TaPR60. <i>Plant Molecular Biology</i> , 2009, 71, 81-98.	3.9	46

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127	BAC library resources for map-based cloning and physical map construction in barley (<i>Hordeum</i>) Tj ETQq1 1 0.784314 rgBT /Qverlock 10	2.8	46
128	Analysis of rye B-chromosome structure using fluorescence in situ hybridization (FISH). <i>Chromosome Research</i> , 1995, 3, 466-472.	2.2	45
129	Bread matters: a national initiative to profile the genetic diversity of Australian wheat. <i>Plant Biotechnology Journal</i> , 2012, 10, 703-708.	8.3	45
130	Advantages of Amplifluor-like SNP markers over KASP in plant genotyping. <i>BMC Plant Biology</i> , 2017, 17, 254.	3.6	45
131	An early meiosis cDNA clone from wheat. <i>Molecular Genetics and Genomics</i> , 1994, 243, 17-23.	2.4	44
132	Expression and functional analysis of TaASY1 during meiosis of bread wheat (<i>Triticum aestivum</i>). <i>BMC Molecular Biology</i> , 2007, 8, 65.	3.0	43
133	Dynamic root responses to drought and rewatering in two wheat (<i>Triticum aestivum</i>) genotypes. <i>Plant and Soil</i> , 2015, 391, 139-152.	3.7	43
134	Salinity tolerance and sodium exclusion in genus <i>Triticum</i> . <i>Breeding Science</i> , 2009, 59, 671-678.	1.9	43
135	Mapping loci associated with milling yield in wheat (<i>Triticum aestivum</i> L.). <i>Molecular Breeding</i> , 1999, 5, 561-568.	2.1	42
136	Application of Genomics to Molecular Breeding of Wheat and Barley. <i>Advances in Genetics</i> , 2007, 58, 121-155.	1.8	42
137	Quantifying Wheat Sensitivities to Environmental Constraints to Dissect Genotype × Environment Interactions in the Field. <i>Plant Physiology</i> , 2017, 174, 1669-1682.	4.8	42
138	Synthesis of the large subunit of spinach ribulose biphosphate carboxylase may involve a precursor polypeptide. <i>FEBS Letters</i> , 1981, 123, 85-89.	2.8	41
139	Thioredoxin activity in the C terminus of Phalaris S protein. <i>Plant Journal</i> , 1995, 8, 133-138.	5.7	41
140	Title is missing!. <i>Molecular Breeding</i> , 2000, 6, 169-174.	2.1	41
141	Isolation and characterization of wheat tritacin cDNA revealing a unique lysine-rich repetitive domain. <i>Plant Molecular Biology</i> , 1993, 22, 227-237.	3.9	40
142	Zein precursor mRNAs from maize endosperm. <i>Molecular Genetics and Genomics</i> , 1982, 187, 432-438.	2.4	39
143	Structural heterogeneity in the R173 family of rye-specific repetitive DNA sequences. <i>Plant Molecular Biology</i> , 1992, 20, 95-102.	3.9	39
144	Capturing diversity in the cereals: many options but little promiscuity. <i>Trends in Plant Science</i> , 2007, 12, 71-79.	8.8	39

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145	Transcriptional effects of the opaque-2 mutation of <i>Zea mays</i> L.. <i>Planta</i> , 1982, 156, 166-170.	3.2	38
146	Spatial and temporal expression of endosperm transfer cell-specific promoters in transgenic rice and barley. <i>Plant Biotechnology Journal</i> , 2008, 6, 465-476.	8.3	38
147	Green revolution "stumbles"™ in a dry environment: Dwarf wheat with <i>Rht</i> genes fails to produce higher grain yield than taller plants under drought. <i>Plant, Cell and Environment</i> , 2020, 43, 2355-2364.	5.7	38
148	Self-incompatibility in the grasses: evolutionary relationship of the S gene from <i>Phalaris coerulescens</i> to homologous sequences in other grasses. <i>Plant Molecular Biology</i> , 1997, 34, 223-232.	3.9	36
149	MappedDs/T-DNA launch pads for functional genomics in barley. <i>Plant Journal</i> , 2006, 47, 811-826.	5.7	36
150	The R173 family of rye-specific repetitive DNA sequences: a structural analysis. <i>Genome</i> , 1991, 34, 88-95.	2.0	34
151	Complex Regulation by <i>Apetala2</i> Domain-Containing Transcription Factors Revealed through Analysis of the Stress-Responsive <i>TdCor410b</i> Promoter from <i>Durum Wheat</i> . <i>PLoS ONE</i> , 2013, 8, e58713.	2.5	34
152	Making science more effective for agriculture. <i>Advances in Agronomy</i> , 2020, , 153-177.	5.2	34
153	Polymerase chain reaction based mapping of rye involving repeated DNA sequences. <i>Genome</i> , 1992, 35, 621-626.	2.0	33
154	Cloning and expression of a distinct subclass of plant thioredoxins. <i>FEBS Journal</i> , 2000, 267, 7109-7117.	0.2	33
155	Comparative Enzyme Kinetics of Two Allelic Forms of Barley (<i>Hordeum vulgare</i> L.) Beta -amylase. <i>Journal of Cereal Science</i> , 2000, 31, 335-344.	3.7	33
156	A Transgenic Transcription Factor (<i>TaDREB3</i>) in Barley Affects the Expression of MicroRNAs and Other Small Non-Coding RNAs. <i>PLoS ONE</i> , 2012, 7, e42030.	2.5	33
157	Isolation and characterization of a genomic sequence of maize coding for a zein gene. <i>Molecular Genetics and Genomics</i> , 1981, 182, 440-444.	2.4	32
158	Change of function of the wheat stress-responsive transcriptional repressor <i>TaRAP2.1L</i> by repressor motif modification. <i>Plant Biotechnology Journal</i> , 2016, 14, 820-832.	8.3	32
159	Genetics of Na ⁺ exclusion and salinity tolerance in Afghani durum wheat landraces. <i>BMC Plant Biology</i> , 2017, 17, 209.	3.6	32
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