

Wayne Powell

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234
papers

16,810
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66
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126
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238
ext. papers

18,340
ext. citations

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L-index

#	Paper	IF	Citations
234	The comparison of RFLP, RAPD, AFLP and SSR (microsatellite) markers for germplasm analysis. <i>Molecular Breeding</i> , 1996 , 2, 225-238	3.4	1574
233	Polymorphism revealed by simple sequence repeats. <i>Trends in Plant Science</i> , 1996 , 1, 215-222	13.1	903
232	Microsatellites are preferentially associated with nonrepetitive DNA in plant genomes. <i>Nature Genetics</i> , 2002 , 30, 194-200	36.3	836
231	Chloroplast microsatellites: new tools for studies in plant ecology and evolution. <i>Trends in Ecology and Evolution</i> , 2001 , 16, 142-147	10.9	472
230	A simple sequence repeat-based linkage map of barley. <i>Genetics</i> , 2000 , 156, 1997-2005	4	461
229	Polymorphic simple sequence repeat regions in chloroplast genomes: applications to the population genetics of pines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 7759-63	11.5	360
228	From mutations to MAGIC: resources for gene discovery, validation and delivery in crop plants. <i>Current Opinion in Plant Biology</i> , 2008 , 11, 215-21	9.9	353
227	Genetic distribution of Bare-1-like retrotransposable elements in the barley genome revealed by sequence-specific amplification polymorphisms (S-SAP). <i>Molecular Genetics and Genomics</i> , 1997 , 253, 687-94		351
226	Direct comparison of levels of genetic variation among barley accessions detected by RFLPs, AFLPs, SSRs and RAPDs. <i>Theoretical and Applied Genetics</i> , 1997 , 95, 714-722	6	346
225	Isolation of EST-derived microsatellite markers for genotyping the A and B genomes of wheat. <i>Theoretical and Applied Genetics</i> , 2002 , 104, 399-407	6	327
224	Control of flowering time in temperate cereals: genes, domestication, and sustainable productivity. <i>Journal of Experimental Botany</i> , 2007 , 58, 1231-44	7	322
223	Methods for linkage disequilibrium mapping in crops. <i>Trends in Plant Science</i> , 2007 , 12, 57-63	13.1	316
222	Increased pollen flow counteracts fragmentation in a tropical dry forest: an example from <i>Swietenia humilis</i> Zuccarini. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 2038-42	11.5	276
221	How much effort is required to isolate nuclear microsatellites from plants?. <i>Molecular Ecology</i> , 2003 , 12, 1339-48	5.7	249
220	Detection of genetic variation between and within populations of <i>Gliricidia sepium</i> and <i>G. maculata</i> using RAPD markers. <i>Heredity</i> , 1992 , 69 (Pt 5), 465-72	3.6	223
219	The complex origins of domesticated crops in the Fertile Crescent. <i>Trends in Ecology and Evolution</i> , 2009 , 24, 103-9	10.9	205
218	Extreme population-dependent linkage disequilibrium detected in an inbreeding plant species, <i>Hordeum vulgare</i> . <i>Genetics</i> , 2006 , 172, 557-67	4	197

217	Wild barley: a source of genes for crop improvement in the 21st century?. <i>Journal of Experimental Botany</i> , 2000 , 51, 9-17	7	192
216	Diversity and genetic differentiation among populations of Indian and Kenyan tea (<i>Camellia sinensis</i> (L.) O. Kuntze) revealed by AFLP markers. <i>Theoretical and Applied Genetics</i> , 1997 , 94, 255-263	6	173
215	Population-based resequencing reveals that the flowering time adaptation of cultivated barley originated east of the Fertile Crescent. <i>Molecular Biology and Evolution</i> , 2008 , 25, 2211-9	8.3	173
214	Hypervariable microsatellites provide a general source of polymorphic DNA markers for the chloroplast genome. <i>Current Biology</i> , 1995 , 5, 1023-9	6.3	173
213	A low mutation rate for chloroplast microsatellites. <i>Genetics</i> , 1999 , 153, 943-7	4	171
212	Detection and analysis of genetic variation in <i>Hordeum spontaneum</i> populations from Israel using RAPD markers. <i>Molecular Ecology</i> , 1993 , 2, 151-9	5.7	161
211	Genomic prediction unifies animal and plant breeding programs to form platforms for biological discovery. <i>Nature Genetics</i> , 2017 , 49, 1297-1303	36.3	157
210	Intimate association of microsatellite repeats with retrotransposons and other dispersed repetitive elements in barley. <i>Plant Journal</i> , 1999 , 17, 415-25	6.9	147
209	AFLP variation in wild barley (<i>Hordeum spontaneum</i> C. Koch) with reference to salt tolerance and associated ecogeography. <i>Genome</i> , 1997 , 40, 332-41	2.4	146
208	Barley: a translational model for adaptation to climate change. <i>New Phytologist</i> , 2015 , 206, 913-931	9.8	138
207	Discriminating between barley genotypes using microsatellite markers. <i>Genome</i> , 1997 , 40, 442-50	2.4	131
206	The construction of a genetic linkage map of red raspberry (<i>Rubus idaeus</i> subsp. <i>idaeus</i>) based on AFLPs, genomic-SSR and EST-SSR markers. <i>Theoretical and Applied Genetics</i> , 2004 , 109, 740-9	6	131
205	Detection of quantitative trait loci for agronomic, yield, grain and disease characters in spring barley (<i>Hordeum vulgare</i> L.). <i>Theoretical and Applied Genetics</i> , 1995 , 91, 1037-47	6	125
204	Detection of genetic diversity in tea (<i>Camellia sinensis</i>) using RAPD markers. <i>Genome</i> , 1995 , 38, 201-10	2.4	125
203	Polymorphic chloroplast simple sequence repeat primers for systematic and population studies in the genus <i>Hordeum</i> . <i>Molecular Ecology</i> , 1999 , 8, 505-11	5.7	120
202	Sequence polymorphism in polyploid wheat and their d-genome diploid ancestor. <i>Genetics</i> , 2004 , 167, 941-7	4	117
201	Assessment of genotypic variation among cultivated durum wheat based on EST-SSRS and genomic SSRS. <i>Euphytica</i> , 2001 , 119, 39-43	2.1	117
200	Patterns of variation at a mitochondrial sequence-tagged-site locus provides new insights into the postglacial history of European <i>Pinus sylvestris</i> populations. <i>Molecular Ecology</i> , 2000 , 9, 1205-11	5.7	115

199	A comparison of sequence-based polymorphism and haplotype content in transcribed and anonymous regions of the barley genome. <i>Genome</i> , 2004 , 47, 389-98	2.4	114
198	Comparative analysis of population genetic structure in <i>Athyrium distentifolium</i> (Pteridophyta) using AFLPs and SSRs from anonymous and transcribed gene regions. <i>Molecular Ecology</i> , 2005 , 14, 1681-95	5.7	113
197	Analysis of quantitative traits in barley by the use of Amplified Fragment Length Polymorphisms. <i>Heredity</i> , 1997 , 79, 48-59	3.6	112
196	Development and characterization of recombinant chromosome substitution lines (RCSLs) using <i>Hordeum vulgare</i> subsp. <i>spontaneum</i> as a source of donor alleles in a <i>Hordeum vulgare</i> subsp. <i>vulgare</i> background. <i>Genome</i> , 2003 , 46, 1010-23	2.4	109
195	Diversity and genetic differentiation among subpopulations of <i>Gliricidia sepium</i> revealed by PCR-based assays. <i>Heredity</i> , 1995 , 74 (Pt 1), 10-8	3.6	108
194	A genetic linkage map of lentil (<i>Lens sp.</i>) based on RAPD and AFLP markers using recombinant inbred lines. <i>Theoretical and Applied Genetics</i> , 1998 , 97, 83-89	6	107
193	Mapping quantitative and qualitative disease resistance genes in a doubled haploid population of barley (<i>Hordeum vulgare</i>). <i>Theoretical and Applied Genetics</i> , 2000 , 101, 580-589	6	107
192	Homology of AFLP products in three mapping populations of barley. <i>Molecular Genetics and Genomics</i> , 1997 , 255, 311-21		106
191	High genetic differentiation among remnant populations of the endangered <i>Caesalpinia echinata</i> Lam. (Leguminosae:Caesalpinioideae). <i>Molecular Ecology</i> , 1998 , 7, 601-608	5.7	106
190	Phenotype/genotype associations for yield and salt tolerance in a barley mapping population segregating for two dwarfing genes. <i>Journal of Experimental Botany</i> , 2002 , 53, 1163-76	7	105
189	Identification of RAPD markers linked to a <i>Rhynchosporium secalis</i> resistance locus in barley using near-isogenic lines and bulked segregant analysis. <i>Heredity</i> , 1993 , 71 (Pt 2), 177-84	3.6	105
188	Genetic variation within a fragmented population of <i>swietenia humilis</i> zucc. <i>Molecular Ecology</i> , 1999 , 8, 1899-909	5.7	102
187	The genetic diversity of UK, US and Australian cultivars of <i>Triticum aestivum</i> measured by DArT markers and considered by genome. <i>Theoretical and Applied Genetics</i> , 2008 , 116, 439-53	6	101
186	A retrospective analysis of spring barley germplasm development from 'foundation genotypes' to currently successful cultivars. <i>Molecular Breeding</i> , 2000 , 6, 553-568	3.4	99
185	Amplified fragment length polymorphism (AFLP) analysis of genetic variation in <i>Moringa oleifera</i> Lam. <i>Molecular Ecology</i> , 1999 , 8, 463-70	5.7	95
184	Evaluating genetic relationships between indigenous coconut (<i>Cocos nucifera</i> L.) accessions from Sri Lanka by means of AFLP profiling. <i>Theoretical and Applied Genetics</i> , 1998 , 96, 545-50	6	94
183	A representative, highly informative genotyping set of barley SSRs. <i>Theoretical and Applied Genetics</i> , 2001 , 102, 801-809	6	94
182	Isolation and characterization of microsatellite loci in <i>Swietenia humilis</i> (Meliaceae): an endangered tropical hardwood species. <i>Molecular Ecology</i> , 1997 , 6, 851-860	5.7	89

181	Molecular mapping of genes determining height, time to heading, and growth habit in barley (<i>Hordeum vulgare</i>). <i>Genome</i> , 1993 , 36, 1080-7	2.4	88
180	Chromosome location of genes controlling tolerance to salt (NaCl) and vigour in <i>Hordeum vulgare</i> and <i>H. chilense</i> . <i>Heredity</i> , 1990 , 65, 99-107	3.6	87
179	Red clover (<i>Trifolium pratense</i> L.) draft genome provides a platform for trait improvement. <i>Scientific Reports</i> , 2015 , 5, 17394	4.9	85
178	Genetic differentiation of cocoa (<i>Theobroma cacao</i> L.) populations revealed by RAPD analysis. <i>Molecular Ecology</i> , 1993 , 2, 89-97	5.7	85
177	Molecular characterisation of inter- and intra-specific somatic hybrids of potato using randomly amplified polymorphic DNA (RAPD) markers. <i>Molecular Genetics and Genomics</i> , 1992 , 233, 469-75		82
176	Gene-pool variation in caledonian and European Scots pine (<i>Pinus sylvestris</i> L.) revealed by chloroplast simple-sequence repeats. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998 , 265, 1697-705	4.4	81
175	Quantitative Trait Loci for Germination and Malting Quality Characters in a Spring Barley Cross. <i>Crop Science</i> , 1996 , 36, 265-273	2.4	78
174	Chloroplast DNA variability in wild and cultivated rice (<i>Oryza</i> spp.) revealed by polymorphic chloroplast simple sequence repeats. <i>Genome</i> , 1997 , 40, 104-10	2.4	73
173	Can genomics deliver climate-change ready crops?. <i>Current Opinion in Plant Biology</i> , 2018 , 45, 205-211	9.9	68
172	Size homoplasmy in chloroplast microsatellites of wild perennial relatives of soybean (<i>Glycine</i> subgenus <i>Glycine</i>). <i>Molecular Biology and Evolution</i> , 1998 , 15, 215-8	8.3	68
171	Association mapping of partitioning loci in barley. <i>BMC Genetics</i> , 2008 , 9, 16	2.6	67
170	Genepool variation in genus <i>Glycine</i> subgenus <i>Soja</i> revealed by polymorphic nuclear and chloroplast microsatellites. <i>Genetics</i> , 1996 , 144, 793-803	4	67
169	Comparative sequence analysis of the region harboring the hardness locus in barley and its colinear region in rice. <i>Plant Physiology</i> , 2004 , 136, 3177-90	6.6	66
168	Locating genotypes and genes for abiotic stress tolerance in barley: a strategy using maps, markers and the wild species. <i>New Phytologist</i> , 1997 , 137, 141-147	9.8	64
167	Chloroplast DNA microsatellite analysis supports a polyphyletic origin for barley. <i>Theoretical and Applied Genetics</i> , 2005 , 110, 613-9	6	63
166	Genetic variation of <i>Calycophyllum spruceanum</i> in the Peruvian Amazon Basin, revealed by amplified fragment length polymorphism (AFLP) analysis. <i>Molecular Ecology</i> , 1999 , 8, 199-204	5.7	63
165	An extreme cytoplasmic bottleneck in the modern European cultivated potato (<i>Solanum tuberosum</i>) is not reflected in decreased levels of nuclear diversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999 , 266, 633-639	4.4	63
164	Genetic variation in the Afromontane tree <i>Prunus africana</i> , an endangered medicinal species. <i>Molecular Ecology</i> , 1999 , 8, 151-156	5.7	61

163	The use of AFLPs to examine genetic relatedness in barley. <i>Molecular Breeding</i> , 1997 , 3, 359-369	3.4	60
162	Plant genetic resources for food and agriculture: opportunities and challenges emerging from the science and information technology revolution. <i>New Phytologist</i> , 2018 , 217, 1407-1419	9.8	59
161	An example of microsatellite length variation in the mitochondrial genome of conifers. <i>Genome</i> , 1999 , 42, 158-161	2.4	59
160	Analysis of Genetic Diversity in Cultivated Jute Determined by Means of SSR Markers and AFLP Profiling. <i>Crop Science</i> , 2004 , 44, 678-685	2.4	58
159	Mapping physiological traits in barley. <i>New Phytologist</i> , 1997 , 137, 149-157	9.8	57
158	The inheritance of genetic markers in microspore-derived plants of barley <i>Hordeum vulgare</i> L. <i>Theoretical and Applied Genetics</i> , 1991 , 81, 487-92	6	57
157	Speed breeding orphan crops. <i>Theoretical and Applied Genetics</i> , 2019 , 132, 607-616	6	57
156	Genomic microsatellite adaptive divergence of wild barley by microclimatic stress in Evolution Canyon-Israel. <i>Biological Journal of the Linnean Society</i> , 2005 , 84, 205-224	1.9	54
155	Construction of a genetic linkage map for <i>Camellia sinensis</i> (tea). <i>Heredity</i> , 2000 , 85 Pt 4, 346-55	3.6	54
154	Assessment of EST- and genomic microsatellite markers for variety discrimination and genetic diversity studies in wheat. <i>Euphytica</i> , 2003 , 133, 359-366	2.1	52
153	Microsatellite repeats are not randomly distributed within Norway spruce (<i>Picea abies</i> K.) expressed sequences. <i>Genome</i> , 2000 , 43, 41-46	2.4	52
152	The effects of major genes on quantitatively varying characters in barley. 4. The GPert and denso loci and quality characters. <i>Heredity</i> , 1991 , 66, 381-389	3.6	51
151	Isolation and characterization of microsatellite loci in <i>Swietenia humilis</i> (Meliaceae): an endangered tropical hardwood species. <i>Molecular Ecology</i> , 1997 , 6, 851-860	5.7	51
150	Cross-species amplification of SSR loci in the Meliaceae family. <i>Molecular Ecology</i> , 1997 , 6, 1195-1197	5.7	49
149	Identification of a QTL decreasing yield in barley linked to Mlo powdery mildew resistance. <i>Molecular Breeding</i> , 1998 , 4, 381-393	3.4	49
148	Genetical analysis of microspore derived plants of barley (<i>Hordeum vulgare</i>). <i>Theoretical and Applied Genetics</i> , 1986 , 72, 619-26	6	49
147	An assessment of genetic diversity among <i>Camellia sinensis</i> L. (cultivated tea) and its wild relatives based on randomly amplified polymorphic DNA and organelle-specific STS. <i>Heredity</i> , 1997 , 78, 603-611	3.6	48
146	Greenschist-facies metamorphism of the Burgess Shale and its implications for models of fossil formation and preservation. <i>Canadian Journal of Earth Sciences</i> , 2003 , 40, 13-25	1.5	48

145	Characterization of microsatellite loci in <i>Pinus sylvestris</i> L. <i>Molecular Ecology</i> , 1998 , 7, 1260-1	5.7	48
144	Genotyping by RAD sequencing enables mapping of fatty acid composition traits in perennial ryegrass (<i>Lolium perenne</i> (L.)). <i>Plant Biotechnology Journal</i> , 2013 , 11, 572-81	11.6	47
143	Implementation of Genomic Prediction in <i>Lolium perenne</i> (L.) Breeding Populations. <i>Frontiers in Plant Science</i> , 2016 , 7, 133	6.2	47
142	Haplotype dictionary for the Rht-1 loci in wheat. <i>Theoretical and Applied Genetics</i> , 2013 , 126, 1733-47	6	45
141	Asymmetric allele-specific expression in relation to developmental variation and drought stress in barley hybrids. <i>Plant Journal</i> , 2009 , 59, 14-26	6.9	45
140	Cytological and molecular observations on <i>Solanum phureja</i> -induced dihaploid potatoes. <i>Theoretical and Applied Genetics</i> , 1991 , 82, 545-51	6	45
139	Rht-1 and Ppd-D1 associations with height, GA sensitivity, and days to heading in a worldwide bread wheat collection. <i>Theoretical and Applied Genetics</i> , 2013 , 126, 2233-43	6	44
138	The chromosomal location of the dwarfing gene present in the spring barley variety golden promise. <i>Heredity</i> , 1984 , 53, 177-183	3.6	44
137	Studying genetic relationships among coconut varieties/populations using microsatellite markers. <i>Euphytica</i> , 2003 , 132, 121-128	2.1	43
136	Evolutionary history of barley cultivation in Europe revealed by genetic analysis of extant landraces. <i>BMC Evolutionary Biology</i> , 2011 , 11, 320	3	41
135	Phylogeographic analysis of barley DNA as evidence for the spread of Neolithic agriculture through Europe. <i>Journal of Archaeological Science</i> , 2012 , 39, 3230-3238	2.9	40
134	Polymerase chain reaction-based assays for the characterisation of plant genetic resources. <i>Electrophoresis</i> , 1995 , 16, 1726-30	3.6	40
133	High-resolution organellar genome analysis of <i>Triticum</i> and <i>Aegilops</i> sheds new light on cytoplasm evolution in wheat. <i>Theoretical and Applied Genetics</i> , 2004 , 108, 1182-90	6	39
132	Grain isozyme and ribosomal DNA variability in <i>Hordeum spontaneum</i> populations from Israel. <i>Theoretical and Applied Genetics</i> , 1992 , 84, 313-22	6	39
131	The effects of major genes on quantitatively varying characters in barley 2. The denso and daylength response loci. <i>Heredity</i> , 1985 , 54, 349-352	3.6	39
130	The role of genetics in mainstreaming the production of new and orphan crops to diversify food systems and support human nutrition. <i>New Phytologist</i> , 2019 , 224, 37-54	9.8	37
129	Constructing plant radiation hybrid panels. <i>Plant Journal</i> , 2002 , 31, 223-8	6.9	37
128	Patterns of polymorphism detected in the chloroplast and nuclear genomes of barley landraces sampled from Syria and Jordan. <i>Theoretical and Applied Genetics</i> , 2003 , 107, 413-21	6	37

127	Variation in the leaf sodium content of the <i>Hordeum vulgare</i> (barley) cultivar Maythorpe and its derived mutant cv. Golden Promise. <i>Heredity</i> , 1994 , 73, 249-253	3.6	37
126	Interfering with regular meiotic behaviour in <i>Avena sativa</i> as a method of incorporating the gene for mildew resistance from <i>A. barbata</i> . <i>Euphytica</i> , 1980 , 29, 635-640	2.1	37
125	DNA fingerprints of rice (<i>Oryza sativa</i>) obtained from hypervariable chloroplast simple sequence repeats. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1996 , 263, 1275-81	4.4	36
124	Molecular, phylogenetic and comparative genomic analysis of the cytokinin oxidase/dehydrogenase gene family in the Poaceae. <i>Plant Biotechnology Journal</i> , 2012 , 10, 67-82	11.6	34
123	Enhancing African orphan crops with genomics. <i>Nature Genetics</i> , 2020 , 52, 356-360	36.3	33
122	Simple sequence repeats provide a direct estimate of pollen-mediated gene dispersal in the tropical tree <i>Gliricidia sepium</i> . <i>Molecular Ecology</i> , 1997 , 6, 179-183	5.7	33
121	The use of doubled haploids in barley breeding 2. An assessment of univariate cross prediction methods. <i>Heredity</i> , 1985 , 54, 353-358	3.6	33
120	The use of pollen irradiation in barley breeding. <i>Theoretical and Applied Genetics</i> , 1983 , 65, 73-6	6	32
119	Use of new EST markers to elucidate the genetic differences in grain protein content between European and North American two-rowed malting barleys. <i>Theoretical and Applied Genetics</i> , 2004 , 110, 116-25	6	30
118	Development of EST-SSRs from the Alpine Lady-fern, <i>Athyrium distentifolium</i> . <i>Molecular Ecology Notes</i> , 2003 , 3, 287-290		30
117	Wheat genomics. <i>Plant Physiology and Biochemistry</i> , 2001 , 39, 335-344	5.4	30
116	Using molecular markers to determine barleys most suitable for malt whisky distilling. <i>Molecular Breeding</i> , 1999 , 5, 103-109	3.4	30
115	Genetical investigations into β -glucan content in barley. <i>Theoretical and Applied Genetics</i> , 1985 , 71, 461-6	6	30
114	Molecular barley breeding. <i>Euphytica</i> , 2007 , 158, 295-303	2.1	29
113	Improving global integration of crop research. <i>Science</i> , 2017 , 357, 359-360	33.3	28
112	Levels and distribution of genetic diversity of coconut (<i>Cocos nucifera</i> L., var. <i>Typica form typica</i>) from Sri Lanka assessed by microsatellite markers. <i>Euphytica</i> , 2001 , 122, 381-389	2.1	28
111	The use of RAPD markers for the detection of gene introgression in potato. <i>Plant Cell Reports</i> , 1992 , 11, 466-9	5.1	27
110	RAPD and organelle specific PCR re-affirms taxonomic relationships within the genus <i>Coffea</i> . <i>Plant Cell Reports</i> , 1996 , 15, 337-41	5.1	25

109	Detection and pattern of interspecific hybridization between <i>Gliricida sepium</i> and <i>G. maculata</i> in Meso-America revealed by PCR-based assays. <i>Molecular Ecology</i> , 1996 , 5, 89-98	5.7	25
108	Field performance of lines derived from haploid and diploid tissues of <i>Hordeum vulgare</i> . <i>Theoretical and Applied Genetics</i> , 1986 , 72, 458-65	6	25
107	Genetic-geographic correlation revealed across a broad European ecotypic sample of perennial ryegrass (<i>Lolium perenne</i>) using array-based SNP genotyping. <i>Theoretical and Applied Genetics</i> , 2015 , 128, 1917-32	6	24
106	The use of flax (<i>Linum usitatissimum</i>) as a model system for studies on organogenesis in vitro: the effect of different carbohydrates. <i>Plant Cell, Tissue and Organ Culture</i> , 1992 , 28, 163-166	2.7	24
105	The effects of major genes on quantitatively varying characters in barley 1. The GP ert locus. <i>Heredity</i> , 1985 , 54, 343-348	3.6	23
104	Identification and characterization of microsatellite loci in coconut (<i>Cocos nucifera</i> L.) and the analysis of coconut populations in Sri Lanka. <i>Molecular Ecology</i> , 1999 , 8, 344-6	5.7	23
103	G-string slippage turns white rice red. <i>Genome</i> , 2009 , 52, 490-3	2.4	20
102	The use of doubled haploids in barley breeding. 3. An assessment of multivariate cross prediction methods. <i>Heredity</i> , 1985 , 55, 249-254	3.6	20
101	Microsatellite repeats are not randomly distributed within Norway spruce (<i>Picea abies</i> K.) expressed sequences. <i>Genome</i> , 2000 , 43, 41-46	2.4	20
100	Exploiting plant somatic radiation hybrids for physical mapping of expressed sequence tags. <i>Theoretical and Applied Genetics</i> , 2004 , 108, 343-8	6	19
99	Molecular separation of genera in Cassiinae (Leguminosae), and analysis of variation in the nodulating species of <i>Chamaecrista</i> . <i>Molecular Ecology</i> , 1994 , 3, 507-15	5.7	19
98	Digging deeper: Insights into metallurgical transitions in European prehistory through copper isotopes. <i>Journal of Archaeological Science</i> , 2017 , 88, 37-46	2.9	18
97	Preparation and Measurement of Cassiterite for Sn Isotope Analysis. <i>Geostandards and Geoanalytical Research</i> , 2017 , 41, 701-707	3.6	18
96	Analysis of the genus <i>Zea</i> (Poaceae) using polymorphic chloroplast simple sequence repeats. <i>Plant Systematics and Evolution</i> , 1999 , 218, 245-256	1.3	18
95	The effects of major genes on quantitatively varying characters in barley.: III. The two row/six row locus (V \bar{V}). <i>Heredity</i> , 1990 , 65, 259-264	3.6	18
94	Germplasm dynamics: the role of ecotypic diversity in shaping the patterns of genetic variation in <i>Lolium perenne</i> . <i>Scientific Reports</i> , 2016 , 6, 22603	4.9	17
93	DNA evidence for multiple introductions of barley into Europe following dispersed domestications in Western Asia. <i>Antiquity</i> , 2013 , 87, 701-713	1	17
92	Estimates of outcrossing rates in <i>Moringa oleifera</i> using Amplified fragment length polymorphism (AFLP). <i>African Journal of Biotechnology</i> , 2004 , 3, 146-151	0.6	17

91	Genetic characterization and mapping of the Rht-1 homoeologs and flanking sequences in wheat. <i>Theoretical and Applied Genetics</i> , 2013 , 126, 1321-36	6	16
90	Comparison of geochemical and distinctive mineralogical features associated with the Kinzers and Burgess Shale formations and their associated units. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009 , 277, 127-140	2.9	16
89	The effect of selection for protein and isozyme loci on quantitative traits in a doubled haploid population of barley. <i>Heredity</i> , 1990 , 65, 115-122	3.6	16
88	The in vitro genetics of barley (<i>Hordeum vulgare</i> L.): detection and analysis of reciprocal differences for culture response to 2,4-dichlorophenoxyacetic acid. <i>Heredity</i> , 1987 , 59, 293-299	3.6	16
87	Understanding the classics: the unifying concepts of transgressive segregation, inbreeding depression and heterosis and their central relevance for crop breeding. <i>Plant Biotechnology Journal</i> , 2021 , 19, 26-34	11.6	16
86	Analysis of the distribution of marker classes in a genetic linkage map: a case study in Norway spruce (<i>Picea abies</i> karst). <i>Tree Genetics and Genomes</i> , 2005 , 1, 93-102	2.1	15
85	Isolation of high molecular weight DNA suitable for BAC library construction from woody perennial soft-fruit species. <i>BioTechniques</i> , 2005 , 38, 69-71	2.5	15
84	Microsatellite analysis of relationships within cultivated potato (<i>Solanum tuberosum</i>) 1996 , 92, 1078		15
83	Analysis of quantitative traits in barley by the use of Amplified Fragment Length Polymorphisms		14
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