

Wayne Powell

List of Publications by Year in descending order

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Version: 2024-02-01

230
papers

20,469
citations

11646

70
h-index

11052

137
g-index

238
all docs

238
docs citations

238
times ranked

12964
citing authors

#	ARTICLE	IF	CITATIONS
1	The comparison of RFLP, RAPD, AFLP and SSR (microsatellite) markers for germplasm analysis. <i>Molecular Breeding</i> , 1996, 2, 225-238.	2.1	1,993
2	Microsatellites are preferentially associated with nonrepetitive DNA in plant genomes. <i>Nature Genetics</i> , 2002, 30, 194-200.	21.4	1,000
3	Polymorphism revealed by simple sequence repeats. <i>Trends in Plant Science</i> , 1996, 1, 215-222.	8.8	997
4	Chloroplast microsatellites: new tools for studies in plant ecology and evolution. <i>Trends in Ecology and Evolution</i> , 2001, 16, 142-147.	8.7	587
5	A Simple Sequence Repeat-Based Linkage Map of Barley. <i>Genetics</i> , 2000, 156, 1997-2005.	2.9	548
6	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, 7759-7763.	7.1	453
7	From mutations to MAGIC: resources for gene discovery, validation and delivery in crop plants. <i>Current Opinion in Plant Biology</i> , 2008, 11, 215-221.	7.1	453
8	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.	3.6	425
9	Control of flowering time in temperate cereals: genes, domestication, and sustainable productivity. <i>Journal of Experimental Botany</i> , 2007, 58, 1231-1244.	4.8	422
10	Genetic distribution of Bareâ€“1-like retrotransposable elements in the barley genome revealed by sequence-specific amplification polymorphisms (S-SAP). <i>Molecular Genetics and Genomics</i> , 1997, 253, 687-694.	2.4	421
11	Methods for linkage disequilibrium mapping in crops. <i>Trends in Plant Science</i> , 2007, 12, 57-63.	8.8	397
12	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.	3.6	359
13	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, 2038-2042.	7.1	301
14	How much effort is required to isolate nuclear microsatellites from plants?. <i>Molecular Ecology</i> , 2003, 12, 1339-1348.	3.9	288
15	The complex origins of domesticated crops in the Fertile Crescent. <i>Trends in Ecology and Evolution</i> , 2009, 24, 103-109.	8.7	271
16	Genomic prediction unifies animal and plant breeding programs to form platforms for biological discovery. <i>Nature Genetics</i> , 2017, 49, 1297-1303.	21.4	263
17	Barley: a translational model for adaptation to climate change. <i>New Phytologist</i> , 2015, 206, 913-931.	7.3	257
18	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, 465-472.	2.6	251

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19	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
20	Wild barley: a source of genes for crop improvement in the 21st century?. <i>Journal of Experimental Botany</i> , 2000, 51, 9-17.	4.8	228
21	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, 2211-2219.	8.9	219
22	Diversity and genetic differentiation among populations of Indian and Kenyan tea (<i>Camellia sinensis</i>) Tj ETQq0 0 0 rrgBT /Overlock 10 Tf .	3.6	212
23	Hypervariable microsatellites provide a general source of polymorphic DNA markers for the chloroplast genome. <i>Current Biology</i> , 1995, 5, 1023-1029.	3.9	197
24	A Low Mutation Rate For Chloroplast Microsatellites. <i>Genetics</i> , 1999, 153, 943-947.	2.9	197
25	Detection and analysis of genetic variation in <i>Hordeum spontaneum</i> populations from Israel using RAPD markers. <i>Molecular Ecology</i> , 1993, 2, 151-159.	3.9	185
26	Intimate association of microsatellite repeats with retrotransposons and other dispersed repetitive elements in barley. <i>Plant Journal</i> , 1999, 17, 415-425.	5.7	165
27	Detection of genetic diversity in tea (<i>Camellia sinensis</i>) using RAPD markers. <i>Genome</i> , 1995, 38, 201-210.	2.0	158
28	AFLP variation in wild barley (<i>Hordeum spontaneum</i> C. Koch) with reference to salt tolerance and associated ecogeography. <i>Genome</i> , 1997, 40, 332-341.	2.0	153
29	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, 740-749.	3.6	153
30	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, 91-91, 1037-1047.	3.6	150
31	Homology of AFLP products in three mapping populations of barley. <i>Molecular Genetics and Genomics</i> , 1997, 255, 311-321.	2.4	148
32	Discriminating between barley genotypes using microsatellite markers. <i>Genome</i> , 1997, 40, 442-450.	2.0	145
33	Sequence Polymorphism in Polyploid Wheat and Their D-Genome Diploid Ancestor. <i>Genetics</i> , 2004, 167, 941-947.	2.9	140
34	Red clover (<i>Trifolium pratense</i> L.) draft genome provides a platform for trait improvement. <i>Scientific Reports</i> , 2015, 5, 17394.	3.3	136
35	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, 1205-1211.	3.9	130
36	High genetic differentiation among remnant populations of the endangered <i>Caesalpinia echinata</i> Lam. (Leguminosae "Caesalpinioideae). <i>Molecular Ecology</i> , 1998, 7, 601-608.	3.9	129

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37	Polymorphic chloroplast simple sequence repeat primers for systematic and population studies in the genus <i>Hordeum</i> . <i>Molecular Ecology</i> , 1999, 8, 505-511.	3.9	127
38	Assessment of genotypic variation among cultivated durum wheat based on EST-SSRS and genomic SSRS. <i>Euphytica</i> , 2001, 119, 39-43.	1.2	127
39	Title is missing!. <i>Molecular Breeding</i> , 2000, 6, 553-568.	2.1	124
40	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.	3.6	124
41	Genetic variation within a fragmented population of <i>Swietenia humilis</i> Zucc.. <i>Molecular Ecology</i> , 1999, 8, 1899-1909.	3.9	121
42	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, 1681-1695.	3.9	121
43	A genetic linkage map of lentil (<i>Lens</i> sp.) based on RAPD and AFLP markers using recombinant inbred lines. <i>Theoretical and Applied Genetics</i> , 1998, 97, 83-89.	3.6	120
44	A comparison of sequence-based polymorphism and haplotype content in transcribed and anonymous regions of the barley genome. <i>Genome</i> , 2004, 47, 389-398.	2.0	120
45	Analysis of quantitative traits in barley by the use of Amplified Fragment Length Polymorphisms. <i>Heredity</i> , 1997, 79, 48-59.	2.6	119
46	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, 1163-1176.	4.8	118
47	Diversity and genetic differentiation among subpopulations of <i>Gliricidia sepium</i> revealed by PCR-based assays. <i>Heredity</i> , 1995, 74, 10-18.	2.6	117
48	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, 177-184.	2.6	116
49	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, 545-550.	3.6	113
50	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, 1010-1023.	2.0	112
51	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, 439-453.	3.6	111
52	Amplified fragment length polymorphism (AFLP) analysis of genetic variation in <i>Moringa oleifera</i> Lam.. <i>Molecular Ecology</i> , 1999, 8, 463-470.	3.9	109
53	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, 1697-1705.	2.6	107
54	Can genomics deliver climate-change ready crops?. <i>Current Opinion in Plant Biology</i> , 2018, 45, 205-211.	7.1	105

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55	A representative, highly informative \hat{a} ™genotyping set \hat{a} ™ of barley SSRs. Theoretical and Applied Genetics, 2001, 102, 801-809.	3.6	104
56	Molecular mapping of genes determining height, time to heading, and growth habit in barley (<i>Hordeum</i>) Tj ETQq0 0.0 rgBT /Overlock 100	2.0	100
57	Molecular characterisation of inter and intra-specific somatic hybrids of potato using randomly amplified polymorphic DNA (RAPD) markers. Molecular Genetics and Genomics, 1992, 233, 469-475.	2.4	99
58	Genetic differentiation of cocoa (<i>Theobrotna cacao</i> L.) populations revealed by RAPD analysis. Molecular Ecology, 1993, 2, 89-97.	3.9	98
59	Isolation and characterization of microsatellite loci in <i>Swietenia humilis</i> (Meliaceae): an endangered tropical hardwood species. Molecular Ecology, 1997, 6, 851-860.	3.9	98
60	Speed breeding orphan crops. Theoretical and Applied Genetics, 2019, 132, 607-616.	3.6	98
61	Chromosome location of genes controlling tolerance to salt (NaCl) and vigour in <i>Hordeum vulgare</i> and <i>H. chilense</i> . Heredity, 1990, 65, 99-107.	2.6	93
62	Genepool Variation in Genus <i>Glycine</i> Subgenus <i>Soja</i> Revealed by Polymorphic Nuclear and Chloroplast Microsatellites. Genetics, 1996, 144, 793-803.	2.9	91
63	The use of AFLPs to examine genetic relatedness in barley. Molecular Breeding, 1997, 3, 359-369.	2.1	85
64	Plant genetic resources for food and agriculture: opportunities and challenges emerging from the science and information technology revolution. New Phytologist, 2018, 217, 1407-1419.	7.3	85
65	Chloroplast DNA variability in wild and cultivated rice (<i>Oryza</i> spp.) revealed by polymorphic chloroplast simple sequence repeats. Genome, 1997, 40, 104-110.	2.0	83
66	Quantitative Trait Loci for Germination and Malting Quality Characters in a Spring Barley Cross. Crop Science, 1996, 36, 265-273.	1.8	81
67	Size homoplasy in chloroplast microsatellites of wild perennial relatives of soybean (<i>Glycine</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 100	8.9	79
68	Association mapping of partitioning loci in barley. BMC Genetics, 2008, 9, 16.	2.7	75
69	The role of genetics in mainstreaming the production of new and orphan crops to diversify food systems and support human nutrition. New Phytologist, 2019, 224, 37-54.	7.3	75
70	Locating genotypes and genes for abiotic stress tolerance in barley: a strategy using maps, markers and the wild species. New Phytologist, 1997, 137, 141-147.	7.3	73
71	Genetic variation in the Afromontane tree <i>Prunus africana</i> , an endangered medicinal species. Molecular Ecology, 1999, 8, 151-156.	3.9	73
72	Genetic variation of <i>Calycophyllum spruceanum</i> in the Peruvian Amazon Basin, revealed by amplified fragment length polymorphism (AFLP) analysis. Molecular Ecology, 1999, 8, 199-204.	3.9	71

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73	Implementation of Genomic Prediction in <i>Lolium perenne</i> (L.) Breeding Populations. <i>Frontiers in Plant Science</i> , 2016, 7, 133.	3.6	71
74	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.	2.6	70
75	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
76	Chloroplast DNA microsatellite analysis supports a polyphyletic origin for barley. <i>Theoretical and Applied Genetics</i> , 2005, 110, 613-619.	3.6	68
77	The chromosomal location of the dwarfing gene present in the spring barley variety golden promise. <i>Heredity</i> , 1984, 53, 177-183.	2.6	67
78	The inheritance of genetic markers in microspore-derived plants of barley <i>Hordeum vulgare</i> L.. <i>Theoretical and Applied Genetics</i> , 1991, 81, 487-492.	3.6	67
79	Analysis of Genetic Diversity in Cultivated Jute Determined by Means of SSR Markers and AFLP Profiling. <i>Crop Science</i> , 2004, 44, 678-685.	1.8	67
80	An example of microsatellite length variation in the mitochondrial genome of conifers. <i>Genome</i> , 1999, 42, 158-161.	2.0	66
81	Mapping physiological traits in barley. <i>New Phytologist</i> , 1997, 137, 149-157.	7.3	65
82	Construction of a genetic linkage map for <i>Camellia sinensis</i> (tea). <i>Heredity</i> , 2000, 85, 346-355.	2.6	65
83	Title is missing!. <i>Euphytica</i> , 2003, 133, 359-366.	1.2	65
84	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.	1.6	65
85	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, 2233-2243.	3.6	65
86	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.	8.3	65
87	Enhancing African orphan crops with genomics. <i>Nature Genetics</i> , 2020, 52, 356-360.	21.4	63
88	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.	2.6	62
89	Identification of a QTL decreasing yield in barley linked to Mlo powdery mildew resistance. <i>Molecular Breeding</i> , 1998, 4, 381-393.	2.1	60
90	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.	1.3	59

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91	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.	3.9	58
92	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.	2.6	56
93	Asymmetric allele-specific expression in relation to developmental variation and drought stress in barley hybrids. <i>Plant Journal</i> , 2009, 59, 14-26.	5.7	56
94	Characterization of microsatellite loci in <i>Pinus sylvestris</i> L. <i>Molecular Ecology</i> , 1998, 7, 1260-1.	3.9	56
95	Cross-species amplification of SSR loci in the Meliaceae family. <i>Molecular Ecology</i> , 1997, 6, 1195-1197.	3.9	55
96	Microsatellite repeats are not randomly distributed within Norway spruce (<i>Picea abies</i> K.) expressed sequences. <i>Genome</i> , 2000, 43, 41-46.	2.0	54
97	Genetical analysis of microspore derived plants of barley (<i>Hordeum vulgare</i>). <i>Theoretical and Applied Genetics</i> , 1986, 72, 619-626.	3.6	53
98	Grain isozyme and ribosomal DNA variability in <i>Hordeum spontaneum</i> populations from Israel. <i>Theoretical and Applied Genetics</i> , 1992, 84-84, 313-322.	3.6	53
99	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, 572-581.	8.3	53
100	Studying genetic relationships among coconut varieties/populations using microsatellite markers. <i>Euphytica</i> , 2003, 132, 121-128.	1.2	52
101	Evolutionary history of barley cultivation in Europe revealed by genetic analysis of extant landraces. <i>BMC Evolutionary Biology</i> , 2011, 11, 320.	3.2	50
102	Haplotype dictionary for the Rht-1 loci in wheat. <i>Theoretical and Applied Genetics</i> , 2013, 126, 1733-1747.	3.6	50
103	Cytological and molecular observations on <i>Solanum phureja</i> -induced dihaploid potatoes. <i>Theoretical and Applied Genetics</i> , 1991, 82, 545-551.	3.6	49
104	Polymerase chain reaction-based assays for the characterisation of plant genetic resources. <i>Electrophoresis</i> , 1995, 16, 1726-1730.	2.4	47
105	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.	8.3	47
106	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, 1275-1281.	2.6	45
107	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.	2.6	43
108	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, 1182-1190.	3.6	43

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109	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.	2.4	43
110	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.	1.2	42
111	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.	2.6	41
112	Constructing plant radiation hybrid panels. <i>Plant Journal</i> , 2002, 31, 223-228.	5.7	41
113	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, 413-421.	3.6	41
114	The use of RAPD markers for the detection of gene introgression in potato. <i>Plant Cell Reports</i> , 1992, 11, 466-9.	5.6	36
115	Simple sequence repeats provide a direct estimate of pollen-mediated gene dispersal in the tropical tree <i>Cliricidia sepium</i> . <i>Molecular Ecology</i> , 1997, 6, 179-183.	3.9	36
116	Title is missing!. <i>Euphytica</i> , 2001, 122, 381-389.	1.2	36
117	Using molecular markers to determine barleys most suitable for malt whisky distilling. <i>Molecular Breeding</i> , 1999, 5, 103-109.	2.1	35
118	Improving global integration of crop research. <i>Science</i> , 2017, 357, 359-360.	12.6	34
119	The use of pollen irradiation in barley breeding. <i>Theoretical and Applied Genetics</i> , 1983, 65, 73-76.	3.6	33
120	The use of doubled haploids in barley breeding 2. An assessment of univariate cross prediction methods. <i>Heredity</i> , 1985, 54, 353-358.	2.6	33
121	Preparation and Measurement of Cassiterite for Sn Isotope Analysis. <i>Geostandards and Geoanalytical Research</i> , 2017, 41, 701-707.	3.1	33
122	Microsatellite repeats are not randomly distributed within Norway spruce (<i>Picea abies</i>) expressed sequences. <i>Genome</i> , 2000, 43, 41-46.	2.0	33
123	Wheat genomics. <i>Plant Physiology and Biochemistry</i> , 2001, 39, 335-344.	5.8	32
124	Development of EST-SSRs from the Alpine Lady-fern, <i>Athyrium distentifolium</i> . <i>Molecular Ecology Notes</i> , 2003, 3, 287-290.	1.7	32
125	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.	2.3	31
126	RAPD and organelle specific PCR re-affirms taxonomic relationships within the genus <i>Coffea</i> . <i>Plant Cell Reports</i> , 1996, 15, 337-341.	5.6	31

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127	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, 116-125.	3.6	31
128	Provenance of tin in the Late Bronze Age Balkans based on probabilistic and spatial analysis of Sn isotopes. <i>Journal of Archaeological Science</i> , 2020, 122, 105181.	2.4	31
129	Genetical investigations into β -glucan content in barley. <i>Theoretical and Applied Genetics</i> , 1985, 71, 461-466.	3.6	30
130	Detection and pattern of interspecific hybridization between <i>Gliricidia sepium</i> and <i>G. maculata</i> in Meso-America revealed by PCR-based assays. <i>Molecular Ecology</i> , 1996, 5, 89-98.	3.9	30
131	Molecular barley breeding. <i>Euphytica</i> , 2007, 158, 295-303.	1.2	29
132	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.	3.9	29
133	The effects of major genes on quantitatively varying characters in barley 1. The GPert locus. <i>Heredity</i> , 1985, 54, 343-348.	2.6	28
134	Field performance of lines derived from haploid and diploid tissues of <i>Hordeum vulgare</i> . <i>Theoretical and Applied Genetics</i> , 1986, 72, 458-465.	3.6	28
135	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, 1917-1932.	3.6	27
136	Microsatellite analysis of relationships within cultivated potato (<i>Solanum tuberosum</i>). <i>Theoretical and Applied Genetics</i> , 1996, 92, 1078-1084.	3.6	27
137	G-string slippage turns white rice red. <i>Genome</i> , 2009, 52, 490-493.	2.0	26
138	Experimental evidence for fractionation of tin chlorides by redox and vapor mechanisms. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 250, 209-218.	3.9	25
139	Determining appropriate interventions to mainstream nutritious orphan crops into African food systems. <i>Global Food Security</i> , 2021, 28, 100465.	8.1	24
140	DNA evidence for multiple introductions of barley into Europe following dispersed domestications in Western Asia. <i>Antiquity</i> , 2013, 87, 701-713.	1.0	22
141	Analysis of Genetic Diversity in Cultivated Jute Determined by Means of SSR Markers and AFLP Profiling. <i>Crop Science</i> , 2004, 44, 678.	1.8	22
142	The use of doubled haploids in barley breeding. 3. An assessment of multivariate cross prediction methods. <i>Heredity</i> , 1985, 55, 249-254.	2.6	21
143	The effects of major genes on quantitatively varying characters in barley.: III. The two row/six row locus ($V\alpha v$). <i>Heredity</i> , 1990, 65, 259-264.	2.6	21
144	Genetic characterization and mapping of the Rht-1 homoeologs and flanking sequences in wheat. <i>Theoretical and Applied Genetics</i> , 2013, 126, 1321-1336.	3.6	21

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145	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.	2.6	20
146	Molecular separation of genera in Cassiinae (Leguminosae), and analysis of variation in the nodulating species of Chamaecrista. <i>Molecular Ecology</i> , 1994, 3, 507-515.	3.9	20
147	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	20
148	Exploiting plant somatic radiation hybrids for physical mapping of expressed sequence tags. <i>Theoretical and Applied Genetics</i> , 2004, 108, 343-348.	3.6	20
149	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.	2.3	20
150	Genetical analysis of in vitro cell and tissue culture response in potato. <i>Plant Cell, Tissue and Organ Culture</i> , 1990, 23, 181-186.	2.3	20
151	Variation in the agronomic characters of microspore-derived plants of <i>Hordeum vulgare</i> CV. Sabarlis. <i>Heredity</i> , 1984, 52, 17-23.	2.6	19
152	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.	3.3	19
153	Digging deeper: Insights into metallurgical transitions in European prehistory through copper isotopes. <i>Journal of Archaeological Science</i> , 2017, 88, 37-46.	2.4	19
154	Population structure and genetic diversity in red clover (<i>Trifolium pratense</i> L.) germplasm. <i>Scientific Reports</i> , 2020, 10, 8364.	3.3	19
155	Analysis of the genus <i>Zea</i> (Poaceae) using polymorphic chloroplast simple sequence repeats. <i>Plant Systematics and Evolution</i> , 1999, 218, 245-256.	0.9	18
156	Isolation of high molecular weight DNA suitable for BAC library construction from woody perennial soft-fruit species. <i>BioTechniques</i> , 2005, 38, 69-71.	1.8	18
157	Comparison of Spring Barley Lines Produced by Single Seed Descent, Pedigree Inbreeding and Doubled Haploidy. <i>Plant Breeding</i> , 1986, 97, 138-146.	1.9	17
158	Genetic diversity and phylogenetic analysis of native mountain ponies of Britain and Ireland reveals a novel rare population. <i>Ecology and Evolution</i> , 2013, 3, 934-947.	1.9	17
159	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.	2.6	16
160	A comparison of inbred lines derived by doubled haploidy and single seed descent in spring barley (<i>Hordeum vulgare</i>). <i>Annals of Applied Biology</i> , 1987, 111, 667-675.	2.5	16
161	Placer Tin Ores from Mt. Cer, West Serbia, and Their Potential Exploitation during the Bronze Age. <i>Geoarchaeology - an International Journal</i> , 2014, 29, 477-493.	1.5	16
162	Plant Genetic Resources: Needs, Rights, and Opportunities. <i>Trends in Plant Science</i> , 2016, 21, 633-636.	8.8	16

#	ARTICLE	IF	CITATIONS
163	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.	1.6	15
164	Origins of Chalcocite Defined by Copper Isotope Values. <i>Geofluids</i> , 2018, 2018, 1-9.	0.7	15
165	Analysis of quantitative traits in barley by the use of Amplified Fragment Length Polymorphisms. <i>Heredity</i> , 1997, 79, 48-59.	2.6	15
166	Isothermal Amplification of Genetically Modified DNA Sequences Directly from Plant Tissues Lowers the Barriers to High-Throughput and Field-Based Genotyping. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 9400-9402.	5.2	14
167	Analysis of Allelic Imbalance in Rice Hybrids Under Water Stress and Association of Asymmetrically Expressed Genes with Drought-Response QTLs. <i>Rice</i> , 2016, 9, 50.	4.0	14
168	From peaks to ports: Insights into tin provenance, production, and distribution from adapted applications of lead isotopic analysis of the Uluburun tin ingots. <i>Journal of Archaeological Science</i> , 2021, 134, 105455.	2.4	14
169	Use of advanced recombinant lines to study the impact and potential of mutations affecting starch synthesis in barley. <i>Journal of Cereal Science</i> , 2014, 59, 196-202.	3.7	13
170	Use of microsatellite DNA markers to investigate the level of genetic diversity and population genetic structure of coconut (<i>Cocos nucifera</i> L.). <i>Genome</i> , 2000, 43, 15-21.	2.0	13
171	The measurement and interpretation of genotype by environment interaction in spring barley (<i>Hordeum vulgare</i>). <i>Heredity</i> , 1986, 56, 255-262.	2.6	12
172	Methods and strategies for detecting <i>Solanum tuberosum</i> dihaploids in interspecific crosses with <i>S. phureja</i> . <i>Annals of Applied Biology</i> , 1988, 112, 323-328.	2.5	12
173	Using diversity of the chloroplast genome to examine evolutionary history of wheat species. <i>Genetic Resources and Crop Evolution</i> , 2013, 60, 1831-1842.	1.6	12
174	Overcoming barriers to the registration of new plant varieties under the DUS system. <i>Communications Biology</i> , 2021, 4, 302.	4.4	12
175	Unfashionable crop species flourish in the 21st century. <i>Genome Biology</i> , 2004, 5, 233.	9.6	11
176	Rapid identification of the three homoeologues of the wheat dwarfing gene <i>Rht</i> using a novel PCR-based screen of three-dimensional BAC pools. <i>Genome</i> , 2009, 52, 993-1000.	2.0	11
177	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.	2.6	11
178	The agronomic performance of anther culture derived plants of barley produced via pollen embryogenesis. <i>Annals of Applied Biology</i> , 1992, 120, 137-150.	2.5	10
179	Genotype analysis of the wheat semidwarf <i>Rht1b</i> and <i>Rht2b</i> ancestral lineage. <i>Plant Breeding</i> , 2013, 132, 539-545.	1.9	10
180	B chromosomes are associated with redistribution of genetic recombination towards lower recombination chromosomal regions in perennial ryegrass. <i>Journal of Experimental Botany</i> , 2018, 69, 1861-1871.	4.8	10

#	ARTICLE	IF	CITATIONS
181	Sulfide and silicate anatexis in the Balmat zinc deposit (New York, USA) and its implications for ore remobilization. <i>Ore Geology Reviews</i> , 2019, 107, 392-401.	2.7	10
182	Cytological observation on the effects of pollen irradiation in diploid and polyploid crops. <i>Heredity</i> , 1985, 54, 165-170.	2.6	9
183	An evaluation of the field performance of the progeny of plants regenerated from embryos of <i>Hordeum vulgare</i> cv. Golden Promise. <i>Journal of Agricultural Science</i> , 1986, 107, 561-564.	1.3	9
184	The effect of anther orientation on microspore-derived plant production in barley (<i>Hordeum vulgare</i>)	1.2	9
185	Identification and characterization of nuclear, cleaved amplified polymorphic sequence (CAPS) loci in <i>Irvingia gabonensis</i> and <i>I. wombolu</i> , indigenous fruit trees of west and central Africa. <i>Molecular Ecology</i> , 1998, 7, 1786-1788.	3.9	9
186	Origin Specific Genomic Selection: A Simple Process To Optimize the Favorable Contribution of Parents to Progeny. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 2445-2455.	1.8	9
187	Competitive effects in monocultures and mixtures of spring barley (<i>Hordeum vulgare</i>). <i>Theoretical and Applied Genetics</i> , 1985, 71, 443-450.	3.6	8
188	Zn-isotopic evidence for fluid-assisted ore remobilization at the Balmat Zinc Mine, NY. <i>Ore Geology Reviews</i> , 2020, 116, 103227.	2.7	8
189	Trends of genetic changes uncovered by Env- and Eigen-GWAS in wheat and barley. <i>Theoretical and Applied Genetics</i> , 2022, 135, 667-678.	3.6	8
190	Investigations into the linkage of genes controlling individual quantitative characters in barley. <i>Genome</i> , 1986, 28, 63-68.	0.7	7
191	Assessment of Spirit Yield in Barley Breeding Lines. <i>Journal of the Institute of Brewing</i> , 2000, 106, 53-58.	2.3	7
192	The Unique Role of Introductory Geology Courses in Teaching Quantitative Reasoning. <i>Journal of Geoscience Education</i> , 2004, 52, 301-305.	1.4	7
193	Place-Based Geosciences Courses in a Diverse Urban College: Lessons Learned. <i>Journal of Geoscience Education</i> , 2014, 62, 19-24.	1.4	7
194	The use of double haploids for detecting linkage and pleiotropy between quantitatively varying characters in spring barley. <i>Journal of Agricultural Science</i> , 1986, 106, 75-80.	1.3	6
195	The effects of competitive interactions on variances and on seed germination in spring barley (<i>Hordeum vulgare</i>). <i>Heredity</i> , 1986, 57, 331-334.	2.6	6
196	Improving Urban Earth Science Education: The TRUST Model. <i>Journal of Geoscience Education</i> , 2008, 56, 269-279.	1.4	6
197	Rapid marker-assisted development of advanced recombinant lines from barley starch mutants. <i>Molecular Breeding</i> , 2014, 33, 243-248.	2.1	6
198	Comparative genetic diversity in a sample of pony breeds from the U.K. and North America: a case study in the conservation of global genetic resources. <i>Ecology and Evolution</i> , 2015, 5, 3507-3522.	1.9	6

#	ARTICLE	IF	CITATIONS
199	Copper isotopes as a means of determining regional metallurgical practices in European prehistory: A reply to Jansen. <i>Journal of Archaeological Science</i> , 2018, 93, 216-221.	2.4	6
200	Integrating a newly developed BAC-based physical mapping resource for <i>Lolium perenne</i> with a genome-wide association study across a <i>L. perenne</i> European ecotype collection identifies genomic contexts associated with agriculturally important traits. <i>Annals of Botany</i> , 2019, 123, 977-992.	2.9	6
201	Globally rare oceanic-montane liverworts with disjunct distributions: evidence for long-distance dispersal. <i>Biodiversity and Conservation</i> , 2020, 29, 3245-3264.	2.6	6
202	Evaluation of Fe isotope values as a provenance tool for chert artefacts from the north-eastern United States. <i>Archaeometry</i> , 2020, 62, 156-168.	1.3	6
203	Quantitatively varying characters in the second generation from an irradiated pollen cross in barley. <i>Heredity</i> , 1984, 52, 347-353.	2.6	5
204	An assessment of the hap initiator gene for haploid production in <i>Hordeum vulgare</i> . <i>Journal of Agricultural Science</i> , 1984, 103, 253-255.	1.3	5
205	Isolation of Polymorphic Microsatellite Markers for the Alpine Lady Fern, <i>Athyrium Distentifolium</i> Tausch ex Opiz, from an Enriched Genomic Library. <i>Conservation Genetics</i> , 2004, 5, 283-286.	1.5	5
206	Development of EST-derived microsatellite markers for <i>Arabidopsis lyrata</i> subspecies <i>petraea</i> (L.). <i>Molecular Ecology Notes</i> , 2007, 7, 631-634.	1.7	5
207	An investigation of genotype environment interactions in oat lines (<i>Avena sativa</i>) derived from composite populations. <i>Heredity</i> , 1984, 52, 171-178.	2.6	4
208	The use of doubled haploids in barley breeding. I. Comparison of H1 and H2 generations. <i>Heredity</i> , 1985, 54, 261-266.	2.6	4
209	Irradiated pollen selfs in cultivars of <i>Hordeum vulgare</i> . <i>Heredity</i> , 1985, 54, 285-287.	2.6	4
210	Essential Design Elements for Successful Online Courses. <i>Journal of Geoscience Education</i> , 2003, 51, 221-230.	1.4	4
211	Sn-Isotope Fractionation as a Record of Hydrothermal Redox Reactions. <i>American Mineralogist</i> , 2018, , .	1.9	4
212	Mineralogical Analysis of the Kestel Mine: An Early Bronze Age Source of Tin Ore in the Taurus Mountains, Turkey. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 91.	2.0	4
213	Some remarks on the genesis of the early Eneolithic in the Central Balkans. <i>Starinar</i> , 2020, , 9-40.	0.4	4
214	â€œSystems approachâ€™ plant breeding illustrated by trees. <i>Trends in Plant Science</i> , 2022, 27, 158-165.	8.8	4
215	The usefulness and limitations of estimating the number of genes in a barley breeding programme. <i>Journal of Agricultural Science</i> , 1985, 105, 285-290.	1.3	3
216	Genetical analysis of a barley mutant with reduced height and increased diastatic power. <i>Journal of Agricultural Science</i> , 1986, 106, 619-621.	1.3	3

#	ARTICLE	IF	CITATIONS
217	Remnant genetic diversity detected in an ancient crop: <i>Triticum dicoccon</i> Schrank landraces from Asturias, Spain. <i>Genetic Resources and Crop Evolution</i> , 2013, 60, 355-365.	1.6	3
218	Sedimentary exhalative origin for magnetite deposits of the New Jersey Highlands. <i>Canadian Journal of Earth Sciences</i> , 2017, 54, 1008-1023.	1.3	3
219	Unraveling regulatory divergence, heterotic malleability, and allelic imbalance switching in rice due to drought stress. <i>Scientific Reports</i> , 2021, 11, 13489.	3.3	3
220	The detection of linkage using doubled haploids in barley. , 1986, , 287-290.		2
221	Snapshots of gene expression in rice: limitations for allelic expression imbalance determination. <i>Genome</i> , 2012, 55, 400-406.	2.0	2
222	The effect of natural selection on composite cross populations of oats (<i>Avena sativa</i>) grown at contrasting sites in Scotland. <i>Journal of Agricultural Science</i> , 1984, 102, 469-473.	1.3	1
223	Raspberry. , 2007, , 207-216.		1
224	Crafting for a better MAGIC: systematic design and test for Multiparental Advanced Generation Inter-Cross population. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	1
225	Introduction to Classical Genetics and Plant Breeding. , 0, , .		1
226	Revisiting "Tin in South-eastern Europe" Starinar, 2020, , 85-94.	0.4	1
227	Local provenance of raw materials for prehistoric pottery production at the Spasovine tin placer site (Western Serbia). <i>Starinar</i> , 2020, , 41-50.	0.4	1
228	Germplasm diversity and genetics to drive plant breeding for Africa. , 0, , 82-94.		0
229	Population Structure of Red Clover Ecotypes Collected from Europe and Asia. , 2018, , 20-26.		0
230	Analysis of intra-specific somatic hybrids of potato (<i>Solanum tuberosum</i>) using simple sequence repeats. <i>Plant Cell Reports</i> , 1996, 16, 196-199.	5.6	0