

# Robert J. Henry

## List of Publications by Citations

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510  
papers

18,401  
citations

63  
h-index

117  
g-index

566  
ext. papers

21,398  
ext. citations

4.7  
avg, IF

6.96  
L-index

#	Paper	IF	Citations
510	A simple and rapid preparation of alditol acetates for monosaccharide analysis. <i>Carbohydrate Research</i> , <b>1983</b> , 113, 291-299	2.9	1693
509	An improved procedure for the methylation analysis of oligosaccharides and polysaccharides. <i>Carbohydrate Research</i> , <b>1984</b> , 127, 59-73	2.9	514
508	Analysis of SSRs derived from grape ESTs. <i>Theoretical and Applied Genetics</i> , <b>2000</b> , 100, 723-726	6	425
507	Plant DNA barcoding: from gene to genome. <i>Biological Reviews</i> , <b>2015</b> , 90, 157-66	13.5	373
506	Simultaneous Determination of Moisture, Organic Carbon, and Total Nitrogen by Near Infrared Reflectance Spectrophotometry. <i>Soil Science Society of America Journal</i> , <b>1986</b> , 50, 120-123	2.5	371
505	The coffee genome provides insight into the convergent evolution of caffeine biosynthesis. <i>Science</i> , <b>2014</b> , 345, 1181-4	33.3	363
504	Microsatellite markers from sugarcane ( <i>Saccharum</i> spp.) ESTs cross transferable to <i>erianthus</i> and <i>sorghum</i> . <i>Plant Science</i> , <b>2001</b> , 160, 1115-1123	5.3	352
503	The gene for fragrance in rice. <i>Plant Biotechnology Journal</i> , <b>2005</b> , 3, 363-70	11.6	300
502	Identification of new volatile thiols in the aroma of <i>Vitis vinifera</i> L. var. Sauvignon blanc wines. <i>Flavour and Fragrance Journal</i> , <b>1998</b> , 13, 159-162	2.5	271
501	Chloroplast genome sequences from total DNA for plant identification. <i>Plant Biotechnology Journal</i> , <b>2011</b> , 9, 328-33	11.6	244
500	Genomes of 13 domesticated and wild rice relatives highlight genetic conservation, turnover and innovation across the genus <i>Oryza</i> . <i>Nature Genetics</i> , <b>2018</b> , 50, 285-296	36.3	229
499	Recent innovations in analytical methods for the qualitative and quantitative assessment of lignin. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 49, 871-906	16.2	221
498	Genomics of crop wild relatives: expanding the gene pool for crop improvement. <i>Plant Biotechnology Journal</i> , <b>2016</b> , 14, 1070-85	11.6	212
497	Protocol: a simple method for extracting next-generation sequencing quality genomic DNA from recalcitrant plant species. <i>Plant Methods</i> , <b>2014</b> , 10, 21	5.8	174
496	A mosaic monoploid reference sequence for the highly complex genome of sugarcane. <i>Nature Communications</i> , <b>2018</b> , 9, 2638	17.4	171
495	Inactivation of an aminoaldehyde dehydrogenase is responsible for fragrance in rice. <i>Plant Molecular Biology</i> , <b>2008</b> , 68, 439-49	4.6	167
494	Domestication to crop improvement: genetic resources for <i>Sorghum</i> and <i>Saccharum</i> ( <i>Andropogoneae</i> ). <i>Annals of Botany</i> , <b>2007</b> , 100, 975-89	4.1	167

493	Application of genomics-assisted breeding for generation of climate resilient crops: progress and prospects. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 563	6.2	161
492	Characterisation of microsatellite markers from sugarcane ( <i>Saccharum</i> sp.), a highly polyploid species. <i>Plant Science</i> , <b>2000</b> , 155, 161-168	5.3	159
491	Pentosan and (1- $\beta$ ), (1- $\alpha$ )-D-Glucan concentrations in endosperm and wholegrain of wheat, barley, oats and rye. <i>Journal of Cereal Science</i> , <b>1987</b> , 6, 253-258	3.8	157
490	A Perfect Marker for Fragrance Genotyping in Rice. <i>Molecular Breeding</i> , <b>2005</b> , 16, 279-283	3.4	142
489	Global agricultural intensification during climate change: a role for genomics. <i>Plant Biotechnology Journal</i> , <b>2016</b> , 14, 1095-8	11.6	138
488	Identification of Volatile and Powerful Odorous Thiols in Bordeaux Red Wine Varieties. <i>Journal of Agricultural and Food Chemistry</i> , <b>1998</b> , 46, 3095-3099	5.7	133
487	A comparison of the non-starch carbohydrates in cereal grains. <i>Journal of the Science of Food and Agriculture</i> , <b>1985</b> , 36, 1243-1253	4.3	132
486	THE DISTRIBUTION OF FRUCTANS IN ONIONS. <i>New Phytologist</i> , <b>1978</b> , 81, 29-34	9.8	132
485	Gelatinization temperature of rice explained by polymorphisms in starch synthase. <i>Plant Biotechnology Journal</i> , <b>2006</b> , 4, 115-22	11.6	131
484	Targeted single nucleotide polymorphism (SNP) discovery in a highly polyploid plant species using 454 sequencing. <i>Plant Biotechnology Journal</i> , <b>2009</b> , 7, 347-54	11.6	124
483	Identification and mapping of polymorphic SSR markers from expressed gene sequences of barley and wheat. <i>Molecular Breeding</i> , <b>2002</b> , 9, 63-71	3.4	120
482	Molecular basis of barley quality. <i>Australian Journal of Agricultural Research</i> , <b>2003</b> , 54, 1081		118
481	Genome-wide DNA polymorphisms in elite indica rice inbreds discovered by whole-genome sequencing. <i>Plant Biotechnology Journal</i> , <b>2012</b> , 10, 623-34	11.6	117
480	Sugarcane microsatellites for the assessment of genetic diversity in sugarcane germplasm. <i>Plant Science</i> , <b>2003</b> , 165, 181-189	5.3	117
479	Implementation of markers in Australian wheat breeding. <i>Australian Journal of Agricultural Research</i> , <b>2001</b> , 52, 1349		117
478	A survey of the complex transcriptome from the highly polyploid sugarcane genome using full-length isoform sequencing and de novo assembly from short read sequencing. <i>BMC Genomics</i> , <b>2017</b> , 18, 395	4.5	115
477	A simplified method for the preparation of fungal genomic DNA for PCR and RAPD analysis. <i>BioTechniques</i> , <b>1994</b> , 16, 48-50	2.5	115
476	DIFFERENCES IN FRUCTAN CONTENT AND SYNTHESIS IN SOME ALLIUM SPECIES. <i>New Phytologist</i> , <b>1981</b> , 87, 249-256	9.8	111

475	Microsatellite analysis of genetic structure in the mangrove species <i>Avicennia marina</i> (Forsk.) Vierh. (Avicenniaceae). <i>Molecular Ecology</i> , <b>2000</b> , 9, 1853-62	5.7	110
474	Relationships of wild and domesticated rices ( <i>Oryza</i> AA genome species) based upon whole chloroplast genome sequences. <i>Scientific Reports</i> , <b>2015</b> , 5, 13957	4.9	106
473	Identification of Volatile Compounds with a Toasty Aroma in Heated Oak Used in Barrelmaking. <i>Journal of Agricultural and Food Chemistry</i> , <b>1997</b> , 45, 2217-2224	5.7	106
472	Variation in amylose fine structure of starches from different botanical sources. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 4443-53	5.7	104
471	Exploring and Exploiting Pan-genomics for Crop Improvement. <i>Molecular Plant</i> , <b>2019</b> , 12, 156-169	14.4	99
470	EST versus Genomic Derived Microsatellite Markers for Genotyping Wild and Cultivated Barley. <i>Genetic Resources and Crop Evolution</i> , <b>2005</b> , 52, 903-909	2	99
469	Capturing chloroplast variation for molecular ecology studies: a simple next generation sequencing approach applied to a rainforest tree. <i>BMC Ecology</i> , <b>2013</b> , 13, 8	2.7	96
468	cDNA microarray analysis of developing grape ( <i>Vitis vinifera</i> cv. Shiraz) berry skin. <i>Functional and Integrative Genomics</i> , <b>2005</b> , 5, 40-58	3.8	95
467	Assessment of Lignocellulosic Biomass Using Analytical Spectroscopy: an Evolution to High-Throughput Techniques. <i>Bioenergy Research</i> , <b>2014</b> , 7, 1-23	3.1	93
466	Impact odorants contributing to the fungus type aroma from grape berries contaminated by powdery mildew ( <i>Uncinula necator</i> ); incidence of enzymatic activities of the yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2002</b> , 50, 3277-82	5.7	92
465	Influence of genotype and environment on coffee quality. <i>Trends in Food Science and Technology</i> , <b>2016</b> , 57, 20-30	15.3	90
464	Genetic and environmental variation in the diastatic power of Australian barley. <i>Journal of Cereal Science</i> , <b>1995</b> , 21, 63-70	3.8	89
463	SNP genotyping allows an in-depth characterisation of the genome of sugarcane and other complex autopolyploids. <i>Scientific Reports</i> , <b>2013</b> , 3, 3399	4.9	88
462	Natural variation in the essential oil content of <i>Melaleuca alternifolia</i> Cheel (Myrtaceae). <i>Biochemical Systematics and Ecology</i> , <b>2000</b> , 28, 367-382	1.4	83
461	Advances in understanding salt tolerance in rice. <i>Theoretical and Applied Genetics</i> , <b>2019</b> , 132, 851-870	6	79
460	Evaluation of plant biomass resources available for replacement of fossil oil. <i>Plant Biotechnology Journal</i> , <b>2010</b> , 8, 288-93	11.6	78
459	SNP in starch biosynthesis genes associated with nutritional and functional properties of rice. <i>Scientific Reports</i> , <b>2012</b> , 2, 557	4.9	78
458	Chloroplast genome sequence confirms distinctness of Australian and Asian wild rice. <i>Ecology and Evolution</i> , <b>2012</b> , 2, 211-7	2.8	76

457	Sensitivity of random amplified polymorphic DNA analysis to detect genetic change in sugarcane during tissue culture. <i>Theoretical and Applied Genetics</i> , <b>1995</b> , 90, 1169-73	6	76
456	Genetic and environmental variation in the pentosan and <del>β</del> glucan contents of barley, and their relation to malting quality. <i>Journal of Cereal Science</i> , <b>1986</b> , 4, 269-277	3.8	75
455	Betaine aldehyde dehydrogenase in plants. <i>Plant Biology</i> , <b>2009</b> , 11, 119-30	3.7	73
454	Random amplified polymorphic DNA (RAPD) detection of dwarf off-types in micropropagated Cavendish ( <i>Musa</i> spp. AAA) bananas. <i>Plant Cell Reports</i> , <b>1996</b> , 16, 118-23	5.1	73
453	Modifying plants for biofuel and biomaterial production. <i>Plant Biotechnology Journal</i> , <b>2014</b> , 12, 1246-58	11.6	70
452	Evaluating the potential of SSR flanking regions for examining taxonomic relationships in the Vitaceae. <i>Theoretical and Applied Genetics</i> , <b>2002</b> , 104, 61-6	6	69
451	A single nucleotide polymorphism (SNP) marker linked to the fragrance gene in rice ( <i>Oryza sativa</i> L.). <i>Plant Science</i> , <b>2003</b> , 165, 359-364	5.3	67
450	The Sugarcane Genome Challenge: Strategies for Sequencing a Highly Complex Genome. <i>Tropical Plant Biology</i> , <b>2011</b> , 4, 145-156	1.6	65
449	Origin and evolution of qingke barley in Tibet. <i>Nature Communications</i> , <b>2018</b> , 9, 5433	17.4	65
448	The biosynthesis, structure and gelatinization properties of starches from wild and cultivated African rice species ( <i>Oryza barthii</i> and <i>Oryza glaberrima</i> ). <i>Carbohydrate Polymers</i> , <b>2015</b> , 129, 92-100	10.3	64
447	Long-read sequencing of the coffee bean transcriptome reveals the diversity of full-length transcripts. <i>GigaScience</i> , <b>2017</b> , 6, 1-13	7.6	62
446	Gene expression in the developing aleurone and starchy endosperm of wheat. <i>Plant Biotechnology Journal</i> , <b>2012</b> , 10, 668-79	11.6	60
445	Potential for Genetic Improvement of Sugarcane as a Source of Biomass for Biofuels. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2015</b> , 3, 182	5.8	60
444	Analysis of grape ESTs: global gene expression patterns in leaf and berry. <i>Plant Science</i> , <b>2000</b> , 159, 87-95	5.3	60
443	Gas Chromatographic Determination of the Monosaccharide Composition of Plant Cell Wall Preparations. <i>Journal of the Association of Official Analytical Chemists</i> , <b>1988</b> , 71, 272-275		60
442	Comparison of promoters in transgenic rice. <i>Plant Biotechnology Journal</i> , <b>2008</b> , 6, 679-93	11.6	59
441	Marker-assisted selection for two rust resistance genes in sunflower. <i>Molecular Breeding</i> , <b>1998</b> , 4, 227-234	3.4	58
440	Thirty-three years of 2-acetyl-1-pyrroline, a principal basmati aroma compound in scented rice ( <i>Oryza sativa</i> L.): a status review. <i>Journal of the Science of Food and Agriculture</i> , <b>2017</b> , 97, 384-395	4.3	57

439	Identification of microsatellite markers for fragrance in rice by analysis of the rice genome sequence. <i>Molecular Breeding</i> , <b>2002</b> , 9, 245-250	3-4	57
438	Detection of neutral and aminosugars from glycoproteins and polysaccharides as their alditol acetates. <i>Journal of Chromatography A</i> , <b>1983</b> , 256, 419-27	4-5	57
437	RiTE database: a resource database for genus-wide rice genomics and evolutionary biology. <i>BMC Genomics</i> , <b>2015</b> , 16, 538	4-5	56
436	The application of SSRs characterized for grape ( <i>Vitis vinifera</i> ) to conservation studies in Vitaceae. <i>American Journal of Botany</i> , <b>2002</b> , 89, 22-8	2-7	56
435	Role of genomics in promoting the utilization of plant genetic resources in genebanks. <i>Briefings in Functional Genomics</i> , <b>2018</b> , 17, 198-206	4-9	55
434	Sucrose:sucrose fructosyltransferase and fructan:fructan fructosyltransferase from <i>Allium cepa</i> . <i>Phytochemistry</i> , <b>1980</b> , 19, 1017-1020	4	55
433	Adaptive climatic molecular evolution in wild barley at the <i>Isa</i> defense locus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 2773-8	11-5	54
432	Analysis of promoters in transgenic barley and wheat. <i>Plant Biotechnology Journal</i> , <b>2009</b> , 7, 240-53	11-6	53
431	Effects of genotype and temperature on accumulation of plant secondary metabolites in Canadian and Australian wheat grown under controlled environments. <i>Scientific Reports</i> , <b>2017</b> , 7, 9133	4-9	52
430	Transpecific microsatellites for hard pines. <i>Theoretical and Applied Genetics</i> , <b>2002</b> , 104, 819-827	6	52
429	Next-generation sequencing for understanding and accelerating crop domestication. <i>Briefings in Functional Genomics</i> , <b>2012</b> , 11, 51-6	4-9	51
428	Characterisation of single nucleotide polymorphisms in sugarcane ESTs. <i>Theoretical and Applied Genetics</i> , <b>2006</b> , 113, 331-43	6	50
427	Microsatellite variation and assessment of genetic structure in tea tree ( <i>Melaleuca alternifolia</i> -Myrtaceae). <i>Molecular Ecology</i> , <b>1999</b> , 8, 633-43	5-7	50
426	Starch determination in horticultural plant material by an enzymic-colorimetric procedure. <i>Journal of the Science of Food and Agriculture</i> , <b>1990</b> , 52, 159-170	4-3	50
425	The association of fructans with high percentage dry weight in onion cultivars suitable for dehydrating. <i>Journal of the Science of Food and Agriculture</i> , <b>1979</b> , 30, 1035-1038	4-3	50
424	The defence-associated transcriptome of hexaploid wheat displays homoeolog expression and induction bias. <i>Plant Biotechnology Journal</i> , <b>2017</b> , 15, 533-543	11-6	49
423	Genes associated with the end of dormancy in grapes. <i>Functional and Integrative Genomics</i> , <b>2003</b> , 3, 144-52	5-8	49
422	Factors Influencing beta-Glucan Synthesis by Particulate Enzymes from Suspension-Cultured <i>Lolium multiflorum</i> Endosperm Cells. <i>Plant Physiology</i> , <b>1982</b> , 69, 632-6	6-6	49

421	New evidence for grain specific C4 photosynthesis in wheat. <i>Scientific Reports</i> , <b>2016</b> , 6, 31721	4.9	48
420	Australian Oryza: Utility and Conservation. <i>Rice</i> , <b>2010</b> , 3, 235-241	5.8	48
419	Endosperm and starch granule morphology in wild cereal relatives. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , <b>2008</b> , 6, 85-97	1	48
418	Development of robust PCR-based DNA markers for each homoeo-allele of granule-bound starch synthase and their application in wheat breeding programs. <i>Australian Journal of Agricultural Research</i> , <b>2001</b> , 52, 1409		48
417	Identifying new volatile compounds in toasted oak. <i>Journal of Agricultural and Food Chemistry</i> , <b>1999</b> , 47, 1663-7	5.7	48
416	Brachypodium as an emerging model for cereal-pathogen interactions. <i>Annals of Botany</i> , <b>2015</b> , 115, 717-731	4.1	46
415	The Challenge of Analyzing the Sugarcane Genome. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 616	6.2	46
414	The use of bulk segregant analysis to identify a RAPD marker linked to leaf rust resistance in barley. <i>Theoretical and Applied Genetics</i> , <b>1995</b> , 91, 270-3	6	46
413	Potential of SSR markers for plant breeding and variety identification in Australian barley germplasm. <i>Australian Journal of Agricultural Research</i> , <b>2003</b> , 54, 1197		45
412	Roles of GBSSI and SSIIa in determining amylose fine structure. <i>Carbohydrate Polymers</i> , <b>2015</b> , 127, 264-74	40.3	44
411	Exploring natural selection to guide breeding for agriculture. <i>Plant Biotechnology Journal</i> , <b>2014</b> , 12, 655-626	6.2	43
410	The potential contribution of wild barley ( <i>Hordeum vulgare</i> ssp. <i>spontaneum</i> ) germplasm to drought tolerance of cultivated barley ( <i>H. vulgare</i> ssp. <i>vulgare</i> ). <i>Field Crops Research</i> , <b>2011</b> , 120, 161-168	5.5	43
409	Fragrance in rice ( <i>Oryza sativa</i> ) is associated with reduced yield under salt treatment. <i>Environmental and Experimental Botany</i> , <b>2010</b> , 68, 292-300	5.9	43
408	Nuclear ribosomal pseudogenes resolve a corroborated monophyly of the eucalypt genus <i>Corymbia</i> despite misleading hypotheses at functional ITS paralogs. <i>Molecular Phylogenetics and Evolution</i> , <b>2007</b> , 44, 752-64	4.1	43
407	THE CARBOHYDRATES OF BARLEY GRAINS I A REVIEW. <i>Journal of the Institute of Brewing</i> , <b>1988</b> , 94, 71-78	2	43
406	Complete chloroplast genome sequence of <i>Magnolia grandiflora</i> and comparative analysis with related species. <i>Science China Life Sciences</i> , <b>2013</b> , 56, 189-98	8.5	42
405	SAGE of the developing wheat caryopsis. <i>Plant Biotechnology Journal</i> , <b>2007</b> , 5, 69-83	11.6	42
404	Characterisation and analysis of microsatellite loci in a mangrove species, <i>Avicennia marina</i> (Forsk.) Vierh. (Avicenniaceae). <i>Theoretical and Applied Genetics</i> , <b>2000</b> , 101, 279-285	6	42



403	Prospects of breeding high-quality rice using post-genomic tools. <i>Theoretical and Applied Genetics</i> , <b>2015</b> , 128, 1449-66	6	41
402	The use of microsatellite polymorphisms for the identification of Australian breeding lines of rice ( <i>Oryza sativa</i> L.). <i>Euphytica</i> , <b>1999</b> , 108, 53-63	2.1	41
401	Enrichment of genomic DNA for polymorphism detection in a non-model highly polyploid crop plant. <i>Plant Biotechnology Journal</i> , <b>2012</b> , 10, 657-67	11.6	40
400	Chloroplast Genome of Novel Rice Germplasm Identified in Northern Australia. <i>Tropical Plant Biology</i> , <b>2014</b> , 7, 111-120	1.6	40
399	A comprehensive genetic map of sugarcane that provides enhanced map coverage and integrates high-throughput Diversity Array Technology (DART) markers. <i>BMC Genomics</i> , <b>2014</b> , 15, 152	4.5	40
398	Quantitative Determination of Potent Flavor Compounds in Burgundy Pinot Noir Wines Using a Stable Isotope Dilution Assay. <i>Journal of Agricultural and Food Chemistry</i> , <b>1997</b> , 45, 2120-2123	5.7	40
397	PCR-based molecular markers for the fragrance gene in rice ( <i>Oryza sativa</i> L.). <i>Theoretical and Applied Genetics</i> , <b>2000</b> , 101, 364-371	6	40
396	Causal Relations Among Starch Biosynthesis, Structure, and Properties. <i>Springer Science Reviews</i> , <b>2014</b> , 2, 15-33		39
395	Discovery of polymorphisms in starch-related genes in rice germplasm by amplification of pooled DNA and deeply parallel sequencing. <i>Plant Biotechnology Journal</i> , <b>2011</b> , 9, 1074-85	11.6	39
394	Transcriptome analysis highlights key differentially expressed genes involved in cellulose and lignin biosynthesis of sugarcane genotypes varying in fiber content. <i>Scientific Reports</i> , <b>2018</b> , 8, 11612	4.9	38
393	Genomics strategies for germplasm characterization and the development of climate resilient crops. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 68	6.2	38
392	Molecular relationships between Australian annual wild rice, <i>Oryza meridionalis</i> , and two related perennial forms. <i>Rice</i> , <b>2013</b> , 6, 26	5.8	38
391	Pollen flow in <i>Eucalyptus grandis</i> determined by paternity analysis using microsatellite markers. <i>Tree Genetics and Genomes</i> , <b>2007</b> , 4, 37-47	2.1	38
390	<i>Sorghum laxiflorum</i> and <i>S. macrospermum</i> , the Australian native species most closely related to the cultivated <i>S. bicolor</i> based on ITS1 and ndhF sequence analysis of 25 <i>Sorghum</i> species. <i>Plant Systematics and Evolution</i> , <b>2004</b> , 249, 233-246	1.3	38
389	Single nucleotide polymorphism, haplotype diversity and recombination in the <i>Isa</i> gene of barley. <i>Theoretical and Applied Genetics</i> , <b>2004</b> , 109, 543-51	6	38
388	The wheat <i>Em</i> promoter drives reporter gene expression in embryo and aleurone tissue of transgenic barley and rice. <i>Plant Biotechnology Journal</i> , <b>2005</b> , 3, 421-34	11.6	38
387	Polymorphisms in the <i>Amv1</i> gene of wild and cultivated barley revealed by the polymerase chain reaction. <i>Theoretical and Applied Genetics</i> , <b>1994</b> , 89, 509-13	6	38
386	The <i>Fusarium</i> crown rot pathogen <i>Fusarium pseudograminearum</i> triggers a suite of transcriptional and metabolic changes in bread wheat ( <i>Triticum aestivum</i> L.). <i>Annals of Botany</i> , <b>2017</b> , 119, 853-867	4.1	38



385	RAPD and isozyme analysis of genetic relationships between <i>Carica papaya</i> and wild relatives. <i>Genetic Resources and Crop Evolution</i> , <b>1997</b> , 44, 471-477	2	37
384	Measurement of genetic and environmental variation in barley ( <i>Hordeum vulgare</i> ) grain hardness. <i>Journal of Cereal Science</i> , <b>2007</b> , 46, 82-92	3.8	37
383	Single-nucleotide polymorphism detection in plants using a single-stranded pyrosequencing protocol with a universal biotinylated primer. <i>Analytical Biochemistry</i> , <b>2003</b> , 317, 166-70	3.1	37
382	The transcriptome of the developing grain: a resource for understanding seed development and the molecular control of the functional and nutritional properties of wheat. <i>BMC Genomics</i> , <b>2017</b> , 18, 766	4.5	36
381	Random amplified polymorphic DNA analysis of Australian rice ( <i>Oryza sativa</i> L.) varieties. <i>Euphytica</i> , <b>1994</b> , 80, 179-189	2.1	36
380	High-throughput prediction of eucalypt lignin syringyl/guaiacyl content using multivariate analysis: a comparison between mid-infrared, near-infrared, and Raman spectroscopies for model development. <i>Biotechnology for Biofuels</i> , <b>2014</b> , 7, 93	7.8	35
379	Conservation and utilization of African <i>Oryza</i> genetic resources. <i>Rice</i> , <b>2013</b> , 6, 29	5.8	35
378	Pectin Methyltransferase genes influence solid wood properties of <i>Eucalyptus pilularis</i> . <i>Plant Physiology</i> , <b>2012</b> , 158, 531-41	6.6	35
377	Abundant transcripts of malting barley identified by serial analysis of gene expression (SAGE). <i>Plant Biotechnology Journal</i> , <b>2006</b> , 4, 289-301	11.6	35
376	The identification and characterisation of alleles of sucrose phosphate synthase gene family III in sugarcane. <i>Molecular Breeding</i> , <b>2006</b> , 18, 39-50	3.4	35
375	High-throughput sequencing and mutagenesis to accelerate the domestication of <i>Microlaena stipoides</i> as a new food crop. <i>PLoS ONE</i> , <b>2013</b> , 8, e82641	3.7	34
374	Abundance and polymorphism of microsatellite markers in the tea tree ( <i>Melaleuca alternifolia</i> , Myrtaceae). <i>Theoretical and Applied Genetics</i> , <b>1999</b> , 98, 1091-1098	6	34
373	Molecular analysis of the DNA polymorphism of wild barley ( <i>Hordeum spontaneum</i> ) germplasm using the polymerase chain reaction. <i>Genetic Resources and Crop Evolution</i> , <b>1995</b> , 42, 273-280	2	34
372	Australian wild rice reveals pre-domestication origin of polymorphism deserts in rice genome. <i>PLoS ONE</i> , <b>2014</b> , 9, e98843	3.7	34
371	Practical Applications of Plant Molecular Biology <b>1997</b> ,		34
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