

Robert J. Henry

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Cyanogenesis in the Genus: From Genotype to Phenotype.. <i>Genes</i> , 2022 , 13,	4.2	1
509	Exogenous putrescine attenuates the negative impact of drought stress by modulating physio-biochemical traits and gene expression in sugar beet (<i>Beta vulgaris</i> L.).. <i>PLoS ONE</i> , 2022 , 17, e0262099	3.7	2
508	Transcript profiles of wild and domesticated sorghum under water-stressed conditions and the differential impact on dhurrin metabolism.. <i>Planta</i> , 2022 , 255, 51	4.7	0
507	Comparison of the root, leaf and internode transcriptomes in sugarcane (<i>Saccharum</i> spp. hybrids). <i>Current Research in Biotechnology</i> , 2022 , 4, 167-178	4.8	0
506	Transcriptome changes in the developing sugarcane culm associated with high yield and early-season high sugar content.. <i>Theoretical and Applied Genetics</i> , 2022 , 1	6	0
505	Supporting in situ conservation of the genetic diversity of crop wild relatives using genomic technologies.. <i>Molecular Ecology</i> , 2022 ,	5.7	2
504	Reticulate Evolution in AA-Genome Wild Rice in Australia.. <i>Frontiers in Plant Science</i> , 2022 , 13, 767635	6.2	2
503	Unveiling the Potential of Water as a Co-solvent in Microwave-assisted Delignification of Sugarcane Bagasse using Ternary Deep Eutectic Solvents.. <i>Bioresource Technology</i> , 2022 , 127005	11	1
502	Potential of Genome Editing to Capture Diversity From Australian Wild Rice Relatives.. <i>Frontiers in Genome Editing</i> , 2022 , 4, 875243	2.5	0
501	Association of gene expression with syringyl to guaiacyl ratio in sugarcane lignin. <i>Plant Molecular Biology</i> , 2021 , 106, 173-192	4.6	2
500	Nitrogen availability and allocation in sorghum and its wild relatives: Divergent roles for cyanogenic glucosides. <i>Journal of Plant Physiology</i> , 2021 , 258-259, 153393	3.6	5
499	Molecular Breeding for Improving Ozone Tolerance in Rice: Recent Progress and Future Perspectives 2021 , 180-200		
498	Improving rice salt tolerance by precision breeding in a new era. <i>Current Opinion in Plant Biology</i> , 2021 , 60, 101996	9.9	28
497	Aromatic Rices: Evolution, Genetics and Improvement through Conventional Breeding and Biotechnological Methods 2021 , 341-357		
496	Rice Adaptation to Climate Change: Opportunities and Priorities in Molecular Breeding 2021 , 1-25		1
495	Variation in production of cyanogenic glucosides during early plant development: A comparison of wild and domesticated sorghum. <i>Phytochemistry</i> , 2021 , 184, 112645	4	9
494	Manipulation of Photosynthesis to Increase Rice Yield Potential 2021 , 274-286		

493	Targeting the Ascorbate-Glutathione Pathway and the Glyoxalase Pathway for Genetic Engineering of Abiotic Stress-Tolerance in Rice 2021 , 398-427		4
492	Molecular Breeding Approaches for Improvement and Development of Water Saving Aerobic Rice 2021 , 382-397		0
491	Pests, diseases, and aridity have shaped the genome of <i>Corymbia citriodora</i> . <i>Communications Biology</i> , 2021 , 4, 537	6.7	4
490	Biochemical basis of resistance to pod borer (<i>Helicoverpa armigera</i>) in Australian wild relatives of pigeonpea 2021 , 3, e101		0
489	Access to biodiversity for food production: Reconciling open access digital sequence information with access and benefit sharing. <i>Molecular Plant</i> , 2021 , 14, 701-704	14.4	2
488	Genomic selection and genetic gain for nut yield in an Australian macadamia breeding population. <i>BMC Genomics</i> , 2021 , 22, 370	4.5	4
487	Phylogenetic relationships in the Sorghum genus based on sequencing of the chloroplast and nuclear genes. <i>Plant Genome</i> , 2021 , 14, e20123	4.4	2
486	RNA Extraction From Plant Seeds 2021 , 451-461		1
485	Transcriptome of Sugarcane, a Highly Complex Polyploid 2021 , 614-626		
484	Development of Transcriptome Analysis Methods 2021 , 462-471		0
483	Effect of sugar feedback regulation on major genes and proteins of photosynthesis in sugarcane leaves. <i>Plant Physiology and Biochemistry</i> , 2021 , 158, 321-333	5.4	2
482	Avocado Transcriptomic Resources 2021 , 544-557		
481	Iso-Seq Long Read Transcriptome Sequencing 2021 , 486-500		0
480	RNA-Seq to Understand Transcriptomes and Application in Improving Crop Quality 2021 , 472-485		0
479	Genetics and Genomics of African Rice (<i>Oryza glaberrima</i> Steud) Domestication. <i>Rice</i> , 2021 , 14, 6	5.8	4
478	Coffee Bean Transcriptome 2021 , 627-639		1
477	Wheat Grain Transcriptome 2021 , 501-512		
476	Phenotypic Characterisation for Growth and Nut Characteristics Revealed the Extent of Genetic Diversity in Wild Macadamia Germplasm. <i>Agriculture (Switzerland)</i> , 2021 , 11, 680	3	2

475	Arsenic Accumulation in Rice Grain as Influenced by Water Management: Human Health Risk Assessment. <i>Agronomy</i> , 2021 , 11, 1741	3.6	2
474	Identification of genes associated with chapatti quality using transcriptome analysis. <i>Journal of Cereal Science</i> , 2021 , 101, 103276	3.8	
473	The jojoba genome reveals wide divergence of the sex chromosomes in a dioecious plant. <i>Plant Journal</i> , 2021 , 108, 1283-1294	6.9	1
472	Improving enzymatic digestibility of sugarcane bagasse from different varieties of sugarcane using deep eutectic solvent pretreatment. <i>Bioresource Technology</i> , 2021 , 337, 125480	11	12
471	Starch structure-property relations in Australian wild rices compared to domesticated rices. <i>Carbohydrate Polymers</i> , 2021 , 271, 118412	10.3	0
470	Genomics of grain quality in cereals. <i>Crop Breeding and Applied Biotechnology</i> , 2021 , 21,	1.1	1
469	RNA Extraction for Transcriptome Analysis 2021 , 440-450		
468	The genome of the endangered displays little diversity but represents an important genetic resource for plant breeding.. <i>Plant Direct</i> , 2021 , 5, e364	3.3	1
467	Pathways of Photosynthesis in Non-Leaf Tissues. <i>Biology</i> , 2020 , 9,	4.9	9
466	Biotic exchange leaves detectable genomic patterns in the Australian rain forest flora. <i>Biotropica</i> , 2020 , 52, 627-635	2.3	4
465	The Nagoya Protocol and historical collections of plants. <i>Nature Plants</i> , 2020 , 6, 430-432	11.5	7
464	Genetic Structure of Wild Germplasm of Macadamia: Species Assignment, Diversity and Phylogeographic Relationships. <i>Plants</i> , 2020 , 9,	4.5	5
463	Slower development of lower canopy beans produces better coffee. <i>Journal of Experimental Botany</i> , 2020 , 71, 4201-4214	7	5
462	Genome-wide association studies for yield component traits in a macadamia breeding population. <i>BMC Genomics</i> , 2020 , 21, 199	4.5	12
461	Structural elements that modulate the substrate specificity of plant purple acid phosphatases: Avenues for improved phosphorus acquisition in crops. <i>Plant Science</i> , 2020 , 294, 110445	5.3	15
460	Molecular and Morphological Divergence of Australian Wild Rice. <i>Plants</i> , 2020 , 9,	4.5	2
459	Wild Oryza for Quality Improvement 2020 , 299-329		
458	Cereal Genomics Databases and Plant Genetic Resources in Crop Improvement. <i>Methods in Molecular Biology</i> , 2020 , 2072, 9-14	1.4	2

457	Comparison of long-read methods for sequencing and assembly of a plant genome. <i>GigaScience</i> , 2020 , 9,	7.6	22
456	Transcriptome profiling of wheat genotypes under heat stress during grain-filling. <i>Journal of Cereal Science</i> , 2020 , 91, 102895	3.8	17
455	Innovations in plant genetics adapting agriculture to climate change. <i>Current Opinion in Plant Biology</i> , 2020 , 56, 168-173	9.9	25
454	Differential expression in leaves of <i>Saccharum</i> genotypes contrasting in biomass production provides evidence of genes involved in carbon partitioning. <i>BMC Genomics</i> , 2020 , 21, 673	4.5	6
453	Wild Sorghum as a Promising Resource for Crop Improvement. <i>Frontiers in Plant Science</i> , 2020 , 11, 1108	6.2	30
452	Chromosome-Scale Assembly and Annotation of the Macadamia Genome (HAES 741). <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 3497-3504	3.2	11
451	Metabolic changes in the developing sugarcane culm associated with high yield and early high sugar content. <i>Plant Direct</i> , 2020 , 4, e00276	3.3	5
450	Modelled distributions and conservation priorities of wild sorghums (<i>Sorghum Moench</i>). <i>Diversity and Distributions</i> , 2020 , 26, 1727-1740	5	7
449	Innovations in Agriculture and Food Supply in Response to the COVID-19 Pandemic. <i>Molecular Plant</i> , 2020 , 13, 1095-1097	14.4	24
448	Two divergent chloroplast genome sequence clades captured in the domesticated rice gene pool may have significance for rice production. <i>BMC Plant Biology</i> , 2020 , 20, 472	5.3	7
447	Mobilizing Crop Biodiversity. <i>Molecular Plant</i> , 2020 , 13, 1341-1344	14.4	21
446	Variation in sugarcane biomass composition and enzymatic saccharification of leaves, internodes and roots. <i>Biotechnology for Biofuels</i> , 2020 , 13, 201	7.8	2
445	Crop wild relatives as a genetic resource for generating low-cyanide, drought-tolerant Sorghum. <i>Environmental and Experimental Botany</i> , 2020 , 169, 103884	5.9	15
444	Phenotypic variation in Australian wild <i>Cajanus</i> and their interspecific hybrids. <i>Genetic Resources and Crop Evolution</i> , 2019 , 66, 1699-1712	2	2
443	Target prediction of candidate miRNAs from <i>Oryza sativa</i> for silencing the RYMV genome. <i>Computational Biology and Chemistry</i> , 2019 , 83, 107127	3.6	8
442	Exploring and Exploiting Pan-genomics for Crop Improvement. <i>Molecular Plant</i> , 2019 , 12, 156-169	14.4	99
441	Midrib Sucrose Accumulation and Sugar Transporter Gene Expression in YCS-Affected Sugarcane Leaves. <i>Tropical Plant Biology</i> , 2019 , 12, 186-205	1.6	3
440	The Impact of cDNA Normalization on Long-Read Sequencing of a Complex Transcriptome. <i>Frontiers in Genetics</i> , 2019 , 10, 654	4.5	5

439	Evaluation of chloroplast genome annotation tools and application to analysis of the evolution of coffee species. <i>PLoS ONE</i> , 2019 , 14, e0216347	3.7	14
438	Genetic Modification of Biomass to Alter Lignin Content and Structure. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 16190-16203	3.9	7
437	Analysis of the diversity and tissue specificity of sucrose synthase genes in the long read transcriptome of sugarcane. <i>BMC Plant Biology</i> , 2019 , 19, 160	5.3	24
436	Advances in Molecular Genetics and Genomics of African Rice (Steud). <i>Plants</i> , 2019 , 8,	4.5	4
435	Segregation Distortion Observed in the Progeny of Crosses Between and . Caused by Abortion During Seed Development. <i>Plants</i> , 2019 , 8,	4.5	4
434	Relationship between sugarcane culm and leaf biomass composition and saccharification efficiency. <i>Biotechnology for Biofuels</i> , 2019 , 12, 247	7.8	13
433	Australian Wild Rice Populations: A Key Resource for Global Food Security. <i>Frontiers in Plant Science</i> , 2019 , 10, 1354	6.2	14
432	Diversity of Domestication Loci in Wild Rice Populations. <i>Proceedings (mdpi)</i> , 2019 , 36, 14	0.3	
431	Advances in understanding salt tolerance in rice. <i>Theoretical and Applied Genetics</i> , 2019 , 132, 851-870	6	79
430	Relationships between Iraqi Rice Varieties at the Nuclear and Plastid Genome Levels. <i>Proceedings (mdpi)</i> , 2019 , 36, 24	0.3	
429	Analysis of Differences in Gene Expression Associated with Variation in Biomass Composition in Sugarcane. <i>Proceedings (mdpi)</i> , 2019 , 36, 164	0.3	
428	Introgression of Large Grain Size from Australian Wild Rice and Its Agronomical Importance. <i>Proceedings (mdpi)</i> , 2019 , 36, 121	0.3	
427	SNPs Linked to Key Traits in Hybrids between African and Asian Rice. <i>Proceedings (mdpi)</i> , 2019 , 36, 25	0.3	
426	Phylogenetic Relationship among Macadamia integrifolia and Macadamia tetraphylla Wild Accessions. <i>Proceedings (mdpi)</i> , 2019 , 36, 67	0.3	
425	Transcriptomics Analysis for the Detection of Novel Drought Tolerance Genes in Jojoba (Simmondsia Chinensis). <i>Proceedings (mdpi)</i> , 2019 , 36, 135	0.3	
424	Relationships between Iraqi Rice Varieties at the Nuclear and Plastid Genome Levels. <i>Plants</i> , 2019 , 8,	4.5	3
423	Comparative Transcriptome Profiling of Resistant and Susceptible Sugarcane Cultivars in Response to Infection by. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	15
422	Determination of Phylogenetic Relationships of the Genus Sorghum Using Nuclear and Chloroplast Genome Assembly. <i>Proceedings (mdpi)</i> , 2019 , 36, 17	0.3	

4 ²¹	DIFFERENTIAL RESPONSE OF WHEAT GENOTYPES TO HEAT STRESS DURING GRAIN FILLING. <i>Experimental Agriculture</i> , 2019 , 55, 818-827	1.7	3
4 ²⁰	Re-sequencing Resources to Improve Starch and Grain Quality in Rice. <i>Methods in Molecular Biology</i> , 2019 , 1892, 201-240	1.4	
4 ¹⁹	Analysis of the expression of transcription factors and other genes associated with aleurone layer development in wheat endosperm. <i>Journal of Cereal Science</i> , 2019 , 85, 62-69	3.8	3
4 ¹⁸	Use of a draft genome of coffee (<i>Coffea arabica</i>) to identify SNPs associated with caffeine content. <i>Plant Biotechnology Journal</i> , 2018 , 16, 1756-1766	11.6	25
4 ¹⁷	<i>Oryza meridionalis</i> N.Q.Ng. <i>Compendium of Plant Genomes</i> , 2018 , 177-182	0.8	3
4 ¹⁶	Evolutionary Relationships Among the <i>Oryza</i> Species. <i>Compendium of Plant Genomes</i> , 2018 , 41-54	0.8	4
4 ¹⁵	<i>Oryza australiensis</i> Domin. <i>Compendium of Plant Genomes</i> , 2018 , 61-66	0.8	1
4 ¹⁴	<i>Oryza barthii</i> A. Chev. <i>Compendium of Plant Genomes</i> , 2018 , 67-74	0.8	1
4 ¹³	Genomes of 13 domesticated and wild rice relatives highlight genetic conservation, turnover and innovation across the genus <i>Oryza</i> . <i>Nature Genetics</i> , 2018 , 50, 285-296	36.3	229
4 ¹²	Phylogeny and Molecular Evolution of miR820 and miR396 microRNA Families in <i>Oryza</i> AA Genomes. <i>Tropical Plant Biology</i> , 2018 , 11, 1-16	1.6	4
4 ¹¹	Towards a genetic road map of wheat-processing quality. <i>Journal of Cereal Science</i> , 2018 , 79, 516-517	3.8	2
4 ¹⁰	Filters of floristic exchange: How traits and climate shape the rain forest invasion of Sahul from Sunda. <i>Journal of Biogeography</i> , 2018 , 45, 838-847	4.1	18
4 ⁰⁹	Diversity and evolution of rice progenitors in Australia. <i>Ecology and Evolution</i> , 2018 , 8, 4360-4366	2.8	11
4 ⁰⁸	Role of genomics in promoting the utilization of plant genetic resources in genebanks. <i>Briefings in Functional Genomics</i> , 2018 , 17, 198-206	4.9	55
4 ⁰⁷	assembly and characterizing of the culm-derived meta-transcriptome from the polyploid sugarcane genome based on coding transcripts. <i>Heliyon</i> , 2018 , 4, e00583	3.6	9
4 ⁰⁶	Annotation of the <i>Corymbia</i> terpene synthase gene family shows broad conservation but dynamic evolution of physical clusters relative to <i>Eucalyptus</i> . <i>Heredity</i> , 2018 , 121, 87-104	3.6	10
4 ⁰⁵	Sequencing of bulks of segregants allows dissection of genetic control of amylose content in rice. <i>Plant Biotechnology Journal</i> , 2018 , 16, 100-110	11.6	32
4 ⁰⁴	A Highly Efficient and Reproducible <i>Fusarium</i> spp. Inoculation Method for <i>Brachypodium distachyon</i> . <i>Methods in Molecular Biology</i> , 2018 , 1667, 43-55	1.4	

403	Evaluating the sensory properties of unpolished Australian wild rice. <i>Food Research International</i> , 2018 , 103, 406-414	7	11
402	Transcriptome analysis highlights key differentially expressed genes involved in cellulose and lignin biosynthesis of sugarcane genotypes varying in fiber content. <i>Scientific Reports</i> , 2018 , 8, 11612	4.9	38
401	The Challenge of Analyzing the Sugarcane Genome. <i>Frontiers in Plant Science</i> , 2018 , 9, 616	6.2	46
400	A mosaic monoploid reference sequence for the highly complex genome of sugarcane. <i>Nature Communications</i> , 2018 , 9, 2638	17.4	171
399	The coffee bean transcriptome explains the accumulation of the major bean components through ripening. <i>Scientific Reports</i> , 2018 , 8, 11414	4.9	16
398	Origin and evolution of qingke barley in Tibet. <i>Nature Communications</i> , 2018 , 9, 5433	17.4	65
397	Breeding for improved blanchability in peanut: phenotyping, genotype × environment interaction and selection. <i>Crop and Pasture Science</i> , 2018 , 69, 1237	2.2	5
396	Evidence of inter-sectional chloroplast capture in <i>Corymbia</i> among sections <i>Torellianae</i> and <i>Maculatae</i> . <i>Australian Journal of Botany</i> , 2018 , 66, 369	1.2	5
395	SNP in the <i>Coffea arabica</i> genome associated with coffee quality. <i>Tree Genetics and Genomes</i> , 2018 , 14, 1	2.1	9
394	Wheat seed transcriptome reveals genes controlling key traits for human preference and crop adaptation. <i>Current Opinion in Plant Biology</i> , 2018 , 45, 231-236	9.9	15
393	Chloroplast phylogeography of AA genome rice species. <i>Molecular Phylogenetics and Evolution</i> , 2018 , 127, 475-487	4.1	10
392	Variation in bean morphology and biochemical composition measured in different genetic groups of arabica coffee (<i>Coffea arabica</i> L.). <i>Tree Genetics and Genomes</i> , 2017 , 13, 1	2.1	12
391	Grain physical characteristic of the Australian wild rices. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2017 , 15, 409-420	1	6
390	Comparison of Chapatti and Breadmaking Quality of Wheat Genotypes. <i>Cereal Chemistry</i> , 2017 , 94, 409-416	5	5
389	High-Throughput Profiling of the Fiber and Sugar Composition of Sugarcane Biomass. <i>Bioenergy Research</i> , 2017 , 10, 400-416	3.1	26
388	Molecular structures and properties of starches of Australian wild rice. <i>Carbohydrate Polymers</i> , 2017 , 172, 213-222	10.3	26
387	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> , 2017 , 18, 395	4.5	115
386	Fasciclin-like arabinogalactan protein gene expression is associated with yield of flour in the milling of wheat. <i>Scientific Reports</i> , 2017 , 7, 12539	4.9	13

385	Effects of genotype and temperature on accumulation of plant secondary metabolites in Canadian and Australian wheat grown under controlled environments. <i>Scientific Reports</i> , 2017 , 7, 9133	4.9	52
384	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> , 2017 , 18, 766	4.5	36
383	Association of variation in the sugarcane transcriptome with sugar content. <i>BMC Genomics</i> , 2017 , 18, 909	4.5	30
382	Plant Genetic Resources 2017 , 15-29		1
381	Long-read sequencing of the coffee bean transcriptome reveals the diversity of full-length transcripts. <i>GigaScience</i> , 2017 , 6, 1-13	7.6	62
380	Does C Photosynthesis Occur in Wheat Seeds?. <i>Plant Physiology</i> , 2017 , 174, 1992-1995	6.6	12
379	Transcriptome analysis of Brachypodium during fungal pathogen infection reveals both shared and distinct defense responses with wheat. <i>Scientific Reports</i> , 2017 , 7, 17212	4.9	19
378	The defence-associated transcriptome of hexaploid wheat displays homoeolog expression and induction bias. <i>Plant Biotechnology Journal</i> , 2017 , 15, 533-543	11.6	49
377	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> , 2017 , 97, 384-395	4.3	57
376	Sequencing of Australian wild rice genomes reveals ancestral relationships with domesticated rice. <i>Plant Biotechnology Journal</i> , 2017 , 15, 765-774	11.6	32
375	Association of gene expression with biomass content and composition in sugarcane. <i>PLoS ONE</i> , 2017 , 12, e0183417	3.7	22
374	The Fusarium 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> , 2017 , 119, 853-867	4.1	38
373	Genomics of crop wild relatives: expanding the gene pool for crop improvement. <i>Plant Biotechnology Journal</i> , 2016 , 14, 1070-85	11.6	212
372	Flavor development in rice 2016 , 221-242		1
371	New evidence for grain specific C4 photosynthesis in wheat. <i>Scientific Reports</i> , 2016 , 6, 31721	4.9	48
370	Genome and transcriptome sequencing characterises the gene space of <i>Macadamia integrifolia</i> (Proteaceae). <i>BMC Genomics</i> , 2016 , 17, 937	4.5	26
369	Functional cereals for production in new and variable climates. <i>Current Opinion in Plant Biology</i> , 2016 , 30, 11-8	9.9	26
368	Molecular cloning and characterization of a novel bi-functional α -amylase/subtilisin inhibitor from <i>Hevea brasiliensis</i> . <i>Plant Physiology and Biochemistry</i> , 2016 , 101, 76-87	5.4	9

367	Genomics Strategies for Germplasm Characterization and the Development of Climate Resilient Crops 2016 , 3-10		2
366	Influence of Gene Expression on Hardness in Wheat. <i>PLoS ONE</i> , 2016 , 11, e0164746	3-7	19
365	Implications of Advances in Molecular Genetic Technology for Food Security and Ownership 2016 , 11-20		
364	Commentary: New evidence for grain specific C photosynthesis in wheat. <i>Frontiers in Plant Science</i> , 2016 , 7, 1537	6.2	12
363	Evaluation of Relationships between Growth Rate, Tree Size, Lignocellulose Composition, and Enzymatic Saccharification in Interspecific Hybrids and Parental Taxa. <i>Frontiers in Plant Science</i> , 2016 , 7, 1705	6.2	1
362	Advances in genomics for the improvement of quality in coffee. <i>Journal of the Science of Food and Agriculture</i> , 2016 , 96, 3300-12	4-3	32
361	Effect of aging on lignin content, composition and enzymatic saccharification in Corymbia hybrids and parental taxa between years 9 and 12. <i>Biomass and Bioenergy</i> , 2016 , 93, 50-59	5-3	11
360	Characterization of fragrance in sorghum (<i>Sorghum bicolor</i> (L.) Moench) grain and development of a gene-based marker for selection in breeding. <i>Molecular Breeding</i> , 2016 , 36, 1	3-4	11
359	Fungi associated with foliar diseases of wild and cultivated rice (<i>Oryza</i> spp.) in northern Queensland. <i>Australasian Plant Pathology</i> , 2016 , 45, 297-308	1.4	11
358	Global agricultural intensification during climate change: a role for genomics. <i>Plant Biotechnology Journal</i> , 2016 , 14, 1095-8	11.6	138
357	Influence of genotype and environment on coffee quality. <i>Trends in Food Science and Technology</i> , 2016 , 57, 20-30	15-3	90
356	High-Throughput Prediction of Acacia and Eucalypt Lignin Syringyl/Guaiacyl Content Using FT-Raman Spectroscopy and Partial Least Squares Modeling. <i>Bioenergy Research</i> , 2015 , 8, 953-963	3-1	9
355	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> , 2015 , 129, 92-100	10-3	64
354	Roles of GBSSI and SSIIa in determining amylose fine structure. <i>Carbohydrate Polymers</i> , 2015 , 127, 264-74	10-3	44
353	Characterisation of alleles of the sucrose phosphate synthase gene family in sugarcane and their association with sugar-related traits. <i>Molecular Breeding</i> , 2015 , 35, 1	3-4	8
352	Brachypodium as an emerging model for cereal-pathogen interactions. <i>Annals of Botany</i> , 2015 , 115, 717-21	3-1	46
351	RiTE database: a resource database for genus-wide rice genomics and evolutionary biology. <i>BMC Genomics</i> , 2015 , 16, 538	4-5	56
350	Localization of polyhydroxybutyrate in sugarcane using Fourier-transform infrared microspectroscopy and multivariate imaging. <i>Biotechnology for Biofuels</i> , 2015 , 8, 98	7-8	8

349	Genome wide polymorphisms and yield heterosis in rice (<i>Oryza sativa</i> subsp. <i>indica</i>). <i>Tropical Plant Biology</i> , 2015 , 8, 117-125	1.6	1
348	Plant DNA barcoding: from gene to genome. <i>Biological Reviews</i> , 2015 , 90, 157-66	13.5	373
347	Developing Cereals Acceptable to Consumers for Production in New and Variable Climates. <i>Procedia Environmental Sciences</i> , 2015 , 29, 9-10		
346	Next generation sequencing of total DNA from sugarcane provides no evidence for chloroplast heteroplasmy 2015 , 1-2, 33-45		10
345	Relationships of wild and domesticated rices (<i>Oryza</i> AA genome species) based upon whole chloroplast genome sequences. <i>Scientific Reports</i> , 2015 , 5, 13957	4.9	106
344	Analysis of the chloroplast genome of a coffee relative from northern Australia. <i>Acta Horticulturae</i> , 2015 , 177-182	0.3	
343	Application of genomics-assisted breeding for generation of climate resilient crops: progress and prospects. <i>Frontiers in Plant Science</i> , 2015 , 6, 563	6.2	161
342	Potential for Genetic Improvement of Sugarcane as a Source of Biomass for Biofuels. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015 , 3, 182	5.8	60
341	Efficient Eucalypt Cell Wall Deconstruction and Conversion for Sustainable Lignocellulosic Biofuels. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015 , 3, 190	5.8	15
340	Sustainable Utilization of TCM Resources. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015 , 2015, 613836	2.3	2
339	A novel highly differentially expressed gene in wheat endosperm associated with bread quality. <i>Scientific Reports</i> , 2015 , 5, 10446	4.9	30
338	Recent innovations in analytical methods for the qualitative and quantitative assessment of lignin. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 49, 871-906	16.2	221
337	Prospects of breeding high-quality rice using post-genomic tools. <i>Theoretical and Applied Genetics</i> , 2015 , 128, 1449-66	6	41
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