

# Jeff J Doyle

## List of Publications by Citations

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140  
papers

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54  
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105  
g-index

162  
ext. papers

13,522  
ext. citations

5.5  
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6.53  
L-index

#	Paper	IF	Citations
140	The Medicago genome provides insight into the evolution of rhizobial symbioses. <i>Nature</i> , <b>2011</b> , 480, 520-4	50.4	936
139	Gene Trees and Species Trees: Molecular Systematics as One-Character Taxonomy. <i>Systematic Botany</i> , <b>1992</b> , 17, 144	0.7	580
138	Widespread genome duplications throughout the history of flowering plants. <i>Genome Research</i> , <b>2006</b> , 16, 738-49	9.7	542
137	Evolutionary genetics of genome merger and doubling in plants. <i>Annual Review of Genetics</i> , <b>2008</b> , 42, 443-61	14.5	504
136	A new subfamily classification of the Leguminosae based on a taxonomically comprehensive phylogeny: The Legume Phylogeny Working Group (LPWG). <i>Taxon</i> , <b>2017</b> , 66, 44-77	0.8	417
135	Estimating genome conservation between crop and model legume species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 15289-94	11.5	395
134	PRESERVATION OF PLANT SAMPLES FOR DNA RESTRICTION ENDONUCLEASE ANALYSIS. <i>Taxon</i> , <b>1987</b> , 36, 715-722	0.8	389
133	The rest of the iceberg. Legume diversity and evolution in a phylogenetic context. <i>Plant Physiology</i> , <b>2003</b> , 131, 900-10	6.6	343
132	Mining EST databases to resolve evolutionary events in major crop species. <i>Genome</i> , <b>2004</b> , 47, 868-76	2.4	289
131	Phylogeny, biogeography, and processes of molecular differentiation in Quercus subgenus Quercus (Fagaceae). <i>Molecular Phylogenetics and Evolution</i> , <b>1999</b> , 12, 333-49	4.1	289
130	Phylogenetic Incongruence: Window into Genome History and Molecular Evolution <b>1998</b> , 265-296		273
129	What we still don't know about polyploidy. <i>Taxon</i> , <b>2010</b> , 59, 1387-1403	0.8	225
128	A Phylogeny of the Chloroplast Gene RBCL in the Leguminosae: taxonomic correlations and Insights Into the Evolution of Nodulation. <i>American Journal of Botany</i> , <b>1997</b> , 84, 541-554	2.7	217
127	Legume phylogeny and classification in the 21st century: Progress, prospects and lessons for other species-rich clades. <i>Taxon</i> , <b>2013</b> , 62, 217-248	0.8	211
126	HecA, a member of a class of adhesins produced by diverse pathogenic bacteria, contributes to the attachment, aggregation, epidermal cell killing, and virulence phenotypes of <i>Erwinia chrysanthemi</i> EC16 on <i>Nicotiana clevelandii</i> seedlings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 12112-7	11.5	186
125	Paleopolyploidy and gene duplication in soybean and other legumes. <i>Current Opinion in Plant Biology</i> , <b>2006</b> , 9, 104-9	9.9	180
124	Phylogenomics reveals multiple losses of nitrogen-fixing root nodule symbiosis. <i>Science</i> , <b>2018</b> , 361,	33.3	167

123	Multiple polyploidy events in the early radiation of nodulating and nonnodulating legumes. <i>Molecular Biology and Evolution</i> , <b>2015</b> , 32, 193-210	8.3	154
122	Phylogenetic perspectives on the origins of nodulation. <i>Molecular Plant-Microbe Interactions</i> , <b>2011</b> , 24, 1289-95	3.6	149
121	Chloroplast DNA Phylogenetic Affinities of Newly Described Species in Glycine (Leguminosae: Phaseoleae). <i>Systematic Botany</i> , <b>1990</b> , 15, 466	0.7	146
120	Phylogenetic perspectives on nodulation: evolving views of plants and symbiotic bacteria. <i>Trends in Plant Science</i> , <b>1998</b> , 3, 473-478	13.1	132
119	Trees within trees: genes and species, molecules and morphology. <i>Systematic Biology</i> , <b>1997</b> , 46, 537-53	8.4	128
118	Karyotype Stability and Unbiased Fractionation in the Paleo-Allotetraploid Cucurbita Genomes. <i>Molecular Plant</i> , <b>2017</b> , 10, 1293-1306	14.4	121
117	Dating the origins of polyploidy events. <i>New Phytologist</i> , <b>2010</b> , 186, 73-85	9.8	120
116	Diploid and polyploid reticulate evolution throughout the history of the perennial soybeans (Glycine subgenus Glycine). <i>New Phytologist</i> , <b>2004</b> , 161, 121-132	9.8	120
115	Molecular and chromosomal evidence for allopolyploidy in soybean. <i>Plant Physiology</i> , <b>2009</b> , 151, 1167-74	6.6	109
114	The Irrelevance of Allele Tree Topologies for Species Delimitation, and a Non-Topological Alternative. <i>Systematic Botany</i> , <b>1995</b> , 20, 574	0.7	108
113	Differential accumulation of retroelements and diversification of NB-LRR disease resistance genes in duplicated regions following polyploidy in the ancestor of soybean. <i>Plant Physiology</i> , <b>2008</b> , 148, 1740-59	6.6	104
112	Polyploidy, the Nucleotype, and Novelty: The Impact of Genome Doubling on the Biology of the Cell. <i>International Journal of Plant Sciences</i> , <b>2019</b> , 180, 1-52	2.6	102
111	The distribution and phylogenetic significance of a 50-kb chloroplast DNA inversion in the flowering plant family Leguminosae. <i>Molecular Phylogenetics and Evolution</i> , <b>1996</b> , 5, 429-38	4.1	101
110	The Charophycean green algae as model systems to study plant cell walls and other evolutionary adaptations that gave rise to land plants. <i>Plant Signaling and Behavior</i> , <b>2012</b> , 7, 1-3	2.5	100
109	Phylogeny of the Legume Family: An Approach to Understanding the Origins of Nodulation. <i>Annual Review of Ecology, Evolution, and Systematics</i> , <b>1994</b> , 25, 325-349		99
108	Evolution of the perennial soybean polyploid complex (Glycine subgenus Glycine): a study of contrasts. <i>Biological Journal of the Linnean Society</i> , <b>2004</b> , 82, 583-597	1.9	96
107	Is the Legume Nodule a Modified Root or Stem or an Organ sui generis?. <i>Critical Reviews in Plant Sciences</i> , <b>1997</b> , 16, 361-392	5.6	92
106	Chloroplast-expressed glutamine synthetase (ncpGS): potential utility for phylogenetic studies with an example from Oxalis (Oxalidaceae). <i>Molecular Phylogenetics and Evolution</i> , <b>1999</b> , 12, 310-9	4.1	87

105	Internal transcribed spacer repeat-specific primers and the analysis of hybridization in the Glycine tomentella (Leguminosae) polyploid complex. <i>Molecular Ecology</i> , <b>2002</b> , 11, 2691-702	5.7	83
104	The reticulate history of Medicago (Fabaceae). <i>Systematic Biology</i> , <b>2008</b> , 57, 466-82	8.4	80
103	Multiple origins and nrDNA internal transcribed spacer homeologue evolution in the Glycine tomentella (Leguminosae) allopolyploid complex. <i>Genetics</i> , <b>2004</b> , 166, 987-98	4	79
102	Relationships Among Phaseoloid Legumes Based on Sequences from Eight Chloroplast Regions. <i>Systematic Botany</i> , <b>2009</b> , 34, 115-128	0.7	78
101	Quantifying whole transcriptome size, a prerequisite for understanding transcriptome evolution across species: an example from a plant allopolyploid. <i>Genome Biology and Evolution</i> , <b>2010</b> , 2, 534-46	3.9	78
100	The origin and evolution of Eragrostis tef (Poaceae) and related polyploids: evidence from nuclear waxy and plastid rps16. <i>American Journal of Botany</i> , <b>2003</b> , 90, 116-22	2.7	76
99	A comparative transcriptomic study of an allotetraploid and its diploid progenitors illustrates the unique advantages and challenges of RNA-seq in plant species. <i>American Journal of Botany</i> , <b>2012</b> , 99, 383-96	2.7	73
98	Ploidy and Size at Multiple Scales in the Arabidopsis Sepal. <i>Plant Cell</i> , <b>2018</b> , 30, 2308-2329	11.6	71
97	A CHLOROPLAST-DNA PHYLOGENY OF THE WILD PERENNIAL RELATIVES OF SOYBEAN (GLYCINE SUBGENUS GLYCINE): CONGRUENCE WITH MORPHOLOGICAL AND CROSSING GROUPS. <i>Evolution; International Journal of Organic Evolution</i> , <b>1990</b> , 44, 371-389	3.8	71
96	A Chloroplast-DNA Phylogeny of the Wild Perennial Relatives of Soybean (Glycine Subgenus glycine): Congruence with Morphological and Crossing Groups. <i>Evolution; International Journal of Organic Evolution</i> , <b>1990</b> , 44, 371	3.8	68
95	ITS and ETS Sequence Data and Phylogeny Reconstruction in Allopolyploids and Hybrids. <i>Systematic Botany</i> , <b>2008</b> , 33, 7-20	0.7	67
94	Development of nuclear gene-derived molecular markers linked to legume genetic maps. <i>Molecular Genetics and Genomics</i> , <b>2006</b> , 276, 56-70	3.1	64
93	Genomes, multiple origins, and lineage recombination in the Glycine tomentella (Leguminosae) polyploid complex: histone H3-D gene sequences. <i>Evolution; International Journal of Organic Evolution</i> , <b>2002</b> , 56, 1388-402	3.8	62
92	Potential phylogenetic utility of the low-copy nuclear gene pistillata in dicotyledonous plants: comparison to nrDNA ITS and trnL intron in Sphaerocardamum and other Brassicaceae. <i>Molecular Phylogenetics and Evolution</i> , <b>1999</b> , 13, 20-30	4.1	62
91	Infrageneric phylogeny of the genus Gentiana (Gentianaceae) inferred from nucleotide sequences of the internal transcribed spacers (ITS) of nuclear ribosomal DNA. <i>American Journal of Botany</i> , <b>1996</b> , 83, 641-652	2.7	62
90	Polyploidy did not predate the evolution of nodulation in all legumes. <i>PLoS ONE</i> , <b>2010</b> , 5, e11630	3.7	62
89	Phylogenetic utility of the nuclear gene malate synthase in the palm family (Arecaceae). <i>Molecular Phylogenetics and Evolution</i> , <b>2001</b> , 19, 409-20	4.1	59
88	Taking the first steps towards a standard for reporting on phylogenies: Minimum Information About a Phylogenetic Analysis (MIAPA). <i>OMICS A Journal of Integrative Biology</i> , <b>2006</b> , 10, 231-7	3.8	54

87	Evolution of a Plant Homeotic Multigene Family: Toward Connecting Molecular Systematics and Molecular Developmental Genetics. <i>Systematic Biology</i> , <b>1994</b> , 43, 307	8.4	54
86	Evolutionary dynamics and preferential expression of homeologous 18S-5.8S-26S nuclear ribosomal genes in natural and artificial glycine allopolyploids. <i>Molecular Biology and Evolution</i> , <b>2004</b> , 21, 1409-21	8.3	53
85	Evolution of genes and taxa: a primer <b>2000</b> , 42, 1-23		53
84	Inferring population structure and genetic diversity of broad range of wild diploid alfalfa ( <i>Medicago sativa</i> L.) accessions using SSR markers. <i>Theoretical and Applied Genetics</i> , <b>2010</b> , 121, 403-15	6	49
83	Origins of domestication and polyploidy in oca ( <i>Oxalis Tuberosa</i> : Oxalidaceae). 2. Chloroplast-expressed glutamine synthetase data. <i>American Journal of Botany</i> , <b>2002</b> , 89, 1042-56	2.7	46
82	Homology in Molecular Phylogenetics: A Parsimony Perspective <b>1998</b> , 101-131		46
81	Anatomical, biochemical, and photosynthetic responses to recent allopolyploidy in <i>Glycine dolichocarpa</i> (Fabaceae). <i>American Journal of Botany</i> , <b>2012</b> , 99, 55-67	2.7	45
80	Comparative evolution of photosynthetic genes in response to polyploid and nonpolyploid duplication. <i>Plant Physiology</i> , <b>2011</b> , 155, 2081-95	6.6	44
79	Incongruence in the diploid B-genome species complex of <i>Glycine</i> (Leguminosae) revisited: histone H3-D alleles versus chloroplast haplotypes. <i>Molecular Biology and Evolution</i> , <b>1999</b> , 16, 354-62	8.3	44
78	Transcriptome sequencing and marker development in winged bean ( <i>Psophocarpus tetragonolobus</i> ; Leguminosae). <i>Scientific Reports</i> , <b>2016</b> , 6, 29070	4.9	44
77	Variation in transcriptome size: are we getting the message?. <i>Chromosoma</i> , <b>2015</b> , 124, 27-43	2.8	43
76	Phylogenetic utility of histone H3 intron sequences in the perennial relatives of soybean ( <i>Glycine</i> : Leguminosae). <i>Molecular Phylogenetics and Evolution</i> , <b>1996</b> , 6, 438-47	4.1	43
75	Evolution of a complex disease resistance gene cluster in diploid <i>Phaseolus</i> and tetraploid <i>Glycine</i> . <i>Plant Physiology</i> , <b>2012</b> , 159, 336-54	6.6	42
74	A Resurrected Scenario: Single Gain and Massive Loss of Nitrogen-Fixing Nodulation. <i>Trends in Plant Science</i> , <b>2019</b> , 24, 49-57	13.1	42
73	Extensive translational regulation of gene expression in an allopolyploid ( <i>Glycine dolichocarpa</i> ). <i>Plant Cell</i> , <b>2014</b> , 26, 136-50	11.6	41
72	NATURAL INTERSPECIFIC HYBRIDIZATION IN EASTERN NORTH AMERICAN CLAYTONIA. <i>American Journal of Botany</i> , <b>1988</b> , 75, 1238-1246	2.7	41
71	Replication of nonautonomous retroelements in soybean appears to be both recent and common. <i>Plant Physiology</i> , <b>2008</b> , 148, 1760-71	6.6	40
70	Testing the polyploid past of soybean using a low-copy nuclear gene--is <i>Glycine</i> (Fabaceae: Papilionoideae) an auto- or allopolyploid?. <i>Molecular Phylogenetics and Evolution</i> , <b>2006</b> , 39, 580-4	4.1	38

69	Hotspots of diversity of wild Australian soybean relatives and their conservation in situ. <i>Conservation Genetics</i> , <b>2012</b> , 13, 1269-1281	2.6	37
68	CHLOROPLAST DNA POLYMORPHISM AND PHYLOGENY IN THE B GENOME OF GLYCINE SUBGENUS GLYCINE (LEGUMINOSAE). <i>American Journal of Botany</i> , <b>1990</b> , 77, 772-782	2.7	36
67	Double trouble: taxonomy and definitions of polyploidy. <i>New Phytologist</i> , <b>2017</b> , 213, 487-493	9.8	34
66	A comparison of global, gene-specific, and relaxed clock methods in a comparative genomics framework: dating the polyploid history of soybean ( <i>Glycine max</i> ). <i>Systematic Biology</i> , <b>2010</b> , 59, 534-47	8.4	34
65	Origins of the African Yam bean ( <i>Sphenostylis stenocarpa</i> , leguminosae): evidence from morphology, isozymes, chloroplast DNA, and linguistics. <i>Economic Botany</i> , <b>1992</b> , 46, 276-292	1.7	32
64	5S Nuclear Ribosomal Gene Variation in the <i>Glycine tomentella</i> Polyploid Complex (Leguminosae). <i>Systematic Botany</i> , <b>1989</b> , 14, 398	0.7	32
63	Population Dynamics Among six Major Groups of the <i>Oryza rufipogon</i> Species Complex, Wild Relative of Cultivated Asian Rice. <i>Rice</i> , <b>2016</b> , 9, 56	5.8	32
62	The wild side of a major crop: soybean's perennial cousins from Down Under. <i>American Journal of Botany</i> , <b>2014</b> , 101, 1651-65	2.7	31
61	Targeting legume loci: A comparison of three methods for target enrichment bait design in Leguminosae phylogenomics. <i>Applications in Plant Sciences</i> , <b>2018</b> , 6, e1036	2.3	29
60	DNA, Phylogeny, and the Flowering of Plant Systematics. <i>BioScience</i> , <b>1993</b> , 43, 380-389	5.7	29
59	Multilocus estimation of divergence times and ancestral effective population sizes of <i>Oryza</i> species and implications for the rapid diversification of the genus. <i>New Phytologist</i> , <b>2013</b> , 198, 1155-1164	9.8	28
58	Origins and genetic conservation of tropical trees in agroforestry systems: a case study from the Peruvian Amazon. <i>Conservation Genetics</i> , <b>2008</b> , 9, 361-372	2.6	28
57	AN INTERGENERIC HYBRID IN THE SAXIFRAGACEAE: EVIDENCE FROM RIBOSOMAL RNA GENES. <i>American Journal of Botany</i> , <b>1985</b> , 72, 1388-1391	2.7	28
56	Complex patterns of autopolyploid evolution in alfalfa and allies ( <i>Medicago sativa</i> ; Leguminosae). <i>American Journal of Botany</i> , <b>2011</b> , 98, 1633-46	2.7	26
55	Confirmation of Shared and Divergent Genomes in the <i>Glycine tabacina</i> Polyploid Complex (Leguminosae) Using Histone H3-D Sequences. <i>Systematic Botany</i> , <b>2000</b> , 25, 437	0.7	26
54	Chasing unicorns: Nodulation origins and the paradox of novelty. <i>American Journal of Botany</i> , <b>2016</b> , 103, 1865-1868	2.7	25
53	A Review on Current Status and Future Prospects of Winged Bean ( <i>Psophocarpus tetragonolobus</i> ) in Tropical Agriculture. <i>Plant Foods for Human Nutrition</i> , <b>2017</b> , 72, 225-235	3.9	23
52	Polyploidy in Legumes <b>2012</b> , 147-180		22

51	Is <i>Eragrostis</i> (Poaceae) Monophyletic? Insights from Nuclear and Plastid Sequence Data. <i>Systematic Botany</i> , <b>2004</b> , 29, 545-552	0.7	22
50	Transcriptomic resources for the medicinal legume <i>Mucuna pruriens</i> : de novo transcriptome assembly, annotation, identification and validation of EST-SSR markers. <i>BMC Genomics</i> , <b>2017</b> , 18, 409	4.5	21
49	Comparative phylogeography of Amphicarpeae legumes and their root-nodule symbionts in Japan and North America. <i>Journal of Biogeography</i> , <b>2004</b> , 31, 425-434	4.1	21
48	Gene Balance Predicts Transcriptional Responses Immediately Following Ploidy Change in. <i>Plant Cell</i> , <b>2020</b> , 32, 1434-1448	11.6	21
47	Expression-level support for gene dosage sensitivity in three <i>Glycine</i> subgenus <i>Glycine</i> polyploids and their diploid progenitors. <i>New Phytologist</i> , <b>2016</b> , 212, 1083-1093	9.8	20
46	Climate niche modeling in the perennial <i>Glycine</i> (Leguminosae) allopolyploid complex. <i>American Journal of Botany</i> , <b>2014</b> , 101, 710-21	2.7	20
45	Relationships among Diploid Members of the <i>Medicago sativa</i> (Fabaceae) Species Complex Based on Chloroplast and Mitochondrial DNA Sequences. <i>Systematic Botany</i> , <b>2010</b> , 35, 140-150	0.7	20
44	Venturing beyond beans and peas: what can we learn from <i>Chamaecrista</i> ?. <i>Plant Physiology</i> , <b>2009</b> , 151, 1041-7	6.6	20
43	Mining transcriptomic data to study the origins and evolution of a plant allopolyploid complex. <i>PeerJ</i> , <b>2014</b> , 2, e391	3.1	17
42	Segmental allopolyploidy in action: Increasing diversity through polyploid hybridization and homoeologous recombination. <i>American Journal of Botany</i> , <b>2018</b> , 105, 1053-1066	2.7	16
41	Multiple origins of BBCC allopolyploid species in the rice genus ( <i>Oryza</i> ). <i>Scientific Reports</i> , <b>2015</b> , 5, 14876	4.9	16
40	Complete plastome sequences from <i>Glycine syndetika</i> and six additional perennial wild relatives of soybean. <i>G3: Genes, Genomes, Genetics</i> , <b>2014</b> , 4, 2023-33	3.2	15
39	: A Non-polyploid Genomic Relic Within the Generally Polyploid Legume Family. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 345	6.2	14
38	Conservation genetics of <i>Amorpha georgiana</i> (Fabaceae), an endangered legume of the Southeastern United States. <i>Molecular Ecology</i> , <b>2009</b> , 18, 4349-65	5.7	14
37	Divergent evolutionary fates of major photosynthetic gene networks following gene and whole genome duplications. <i>Plant Signaling and Behavior</i> , <b>2011</b> , 6, 594-7	2.5	13
36	Character transformation and relationships in <i>Corallorhiza</i> (Orchidaceae: Epidendroideae). I. Plastid DNA. <i>American Journal of Botany</i> , <b>1994</b> , 81, 1449-1457	2.7	13
35	Genomics and Transcriptomics of Photosynthesis in Polyploids <b>2013</b> , 153-169		12
34	Development of microsatellite markers in <i>Lupinus luteus</i> (Fabaceae) and cross-species amplification in other lupine species. <i>American Journal of Botany</i> , <b>2010</b> , 97, e72-4	2.7	12

33	Antigenic relationship of legume seed proteins to the 7S seed storage protein of soybean. <i>Biochemical Systematics and Ecology</i> , <b>1985</b> , 13, 123-132	1.4	10
32	Analysis of genomic sequences from peanut ( <i>Arachis hypogaea</i> ). <i>Electronic Journal of Biotechnology</i> , <b>2005</b> , 8, 226-237	3.1	10
31	Expression Partitioning of Duplicate Genes at Single Cell Resolution in Roots. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 596150	4.5	10
30	Enhanced rhizobial symbiotic capacity in an allopolyploid species of Glycine (Leguminosae). <i>American Journal of Botany</i> , <b>2016</b> , 103, 1771-1782	2.7	9
29	Testing a Hypothesis of Intergeneric Allopolyploidy in Vine Cacti (Cactaceae: Hylocereeae). <i>Systematic Botany</i> , <b>2013</b> , 38, 737-751	0.7	9
28	A cladistic analysis of chloroplast DNA restriction site variation and morphology for the genera of the Juglandaceae. <i>American Journal of Botany</i> , <b>1995</b> , 82, 1163-1172	2.7	9
27	Ribosomal RNA gene variation in diploid and tetraploid <i>Tolmiea menziesii</i> . <i>Biochemical Systematics and Ecology</i> , <b>1987</b> , 15, 75-77	1.4	9
26	Whole-Genome Sequence of Synthesized Allopolyploids in Reveals Insights into the Genome Evolution of Allopolyploidization. <i>Advanced Science</i> , <b>2021</b> , 8, 2004222	13.6	9
25	Reconstruction of Organismal and Gene Phylogenies from Data on Multigene Families: Concerted Evolution, Homoplasy, and Confidence. <i>Systematic Biology</i> , <b>1992</b> , 41, 4	8.4	8
24	Defining coalescent genes: Theory meets practice in organelle phylogenomics. <i>Systematic Biology</i> , <b>2021</b> ,	8.4	8
23	Selecting Nuclear Sequences for Fine Detail Molecular Phylogenetic Studies in Plants: A Computational Approach and Sequence Repository. <i>Systematic Botany</i> , <b>2012</b> , 37, 7-14	0.7	7
22	FLAVONOID RACES OF CLAYTONIA VIRGINICA (PORTULACACEAE). <i>American Journal of Botany</i> , <b>1983</b> , 70, 1085-1091	2.7	7
21	The promise of genomics for a next generation of advances in higher-level legume molecular systematics. <i>South African Journal of Botany</i> , <b>2013</b> , 89, 10-18	2.9	6
20	Characterizing the allopolyploid species among the wild relatives of soybean: Utility of reduced representation genotyping methodologies. <i>Journal of Systematics and Evolution</i> , <b>2017</b> , 55, 365-376	2.9	6
19	The reduced stability of a plant alcohol dehydrogenase is due to the substitution of serine for a highly conserved phenylalanine residue. <i>Plant Molecular Biology</i> , <b>1994</b> , 26, 643-55	4.6	6
18	Leaf morphology of <i>Claytonia virginica</i> : racial and clinal variation. <i>Canadian Journal of Botany</i> , <b>1984</b> , 62, 1469-1473		6
17	Autopolyploidy: an epigenetic macromutation. <i>American Journal of Botany</i> , <b>2020</b> , 107, 1097-1100	2.7	6
16	Robust Cytonuclear Coordination of Transcription in Nascent Autopolyploids. <i>Genes</i> , <b>2020</b> , 11,	4.2	5



15	De novo transcriptome assembly of <i>Pueraria montana</i> var. <i>lobata</i> and <i>Neustanthus phaseoloides</i> for the development of eSSR and SNP markers: narrowing the US origin(s) of the invasive kudzu. <i>BMC Genomics</i> , <b>2018</b> , 19, 439	4.5	5
14	Molecular phylogenetics of <i>Amorpha</i> (Fabaceae): an evaluation of monophyly, species relationships, and polyploid origins. <i>Molecular Phylogenetics and Evolution</i> , <b>2014</b> , 76, 49-66	4.1	5
13	The Implications of Polyploidy for the Evolution of Signalling in Rhizobial Nodulation Symbiosis. <i>Advances in Botanical Research</i> , <b>2015</b> , 75, 149-190	2.2	4
12	Evolution of genes and taxa: a primer <b>2000</b> , 1-23		4
11	KARYOTYPIC VARIATION OF EASTERN NORTH AMERICAN CLAYTONIA CHEMICAL RACES. <i>American Journal of Botany</i> , <b>1984</b> , 71, 970-978	2.7	4
10	Genome evolution in <i>Oryza</i> allopolyploids of various ages: Insights into the process of diploidization. <i>Plant Journal</i> , <b>2021</b> , 105, 721-735	6.9	4
9	Chromatographic fingerprinting of <i>Lupinus luteus</i> L. (Leguminosae) main secondary metabolites: a case of domestication affecting crop variability. <i>Genetic Resources and Crop Evolution</i> , <b>2018</b> , 65, 1281-1291	2.1	3
8	Typification of <i>Glycine tomentella</i> (Fabaceae: Phaseoleae) with comments on its internal groups. <i>Phytotaxa</i> , <b>2014</b> , 178, 189	0.7	3
7	Multiple Origins and nrDNA Internal Transcribed Spacer Homeologue Evolution in the <i>Glycine tomentella</i> (Leguminosae) Allopolyploid Complex. <i>Genetics</i> , <b>2004</b> , 166, 987-998	4	3
6	Non-Additive Transcriptomic Responses to Inoculation with Rhizobia in a Young Allopolyploid Compared with Its Diploid Progenitors. <i>Genes</i> , <b>2017</b> , 8,	4.2	2
5	Characterization of 12 polymorphic microsatellite markers for Georgia false indigo ( <i>Amorpha georgiana</i> Wilbur var. <i>georgiana</i> ), an endangered species, and their utility in other dwarf <i>Amorpha</i> L. species. <i>Molecular Ecology Resources</i> , <b>2009</b> , 9, 225-8	8.4	2
4	Isolation and characterization of thirteen polymorphic microsatellite loci in the A-genome perennial group of the legume genus <i>Glycine</i> . <i>Molecular Ecology Resources</i> , <b>2009</b> , 9, 1547-50	8.4	2
3	Fifteen compelling open questions in plant cell biology. <i>Plant Cell</i> , <b>2021</b> ,	11.6	1
2	Profile of Jeff Doyle. <i>BioTechniques</i> , <b>2010</b> , 48, 21	2.5	
1	Dedication: Anthony H. D. Brown Conservation Geneticist <b>2009</b> , 1-20		