Douglas E. Soltis

List of Publications by Year
in descending order

365 papers	43,746 citations	2975 93 h-index	2828 191 g-index
372 all docs	372 docs citations	372 times ranked	26612 citing authors

#	Article	IF	Citations
1	Ancestral polyploidy in seed plants and angiosperms. Nature, 2011, 473, 97-100.	27.8	1,862
2	Phylogenetics of Seed Plants: An Analysis of Nucleotide Sequences from the Plastid Gene rbcL. Annals of the Missouri Botanical Garden, 1993, 80, 528.	1.3	1,708
3	Three keys to the radiation of angiosperms into freezing environments. Nature, 2014, 506, 89-92.	27.8	1,284
4	The Role of Hybridization in Plant Speciation. Annual Review of Plant Biology, 2009, 60, 561-588.	18.7	1,161
5	Phylotranscriptomic analysis of the origin and early diversification of land plants. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4859-68.	7.1	1,123
6	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
7	Polyploidy and angiosperm diversification. American Journal of Botany, 2009, 96, 336-348.	1.7	1,031
8	Polyploidy: recurrent formation and genome evolution. Trends in Ecology and Evolution, 1999, 14, 348-352.	8.7	980
9	Comparative phylogeography of unglaciated eastern North America. Molecular Ecology, 2006, 15, 4261-4293.	3.9	843
10	The earliest angiosperms: evidence from mitochondrial, plastid and nuclear genomes. Nature, 1999, 402, 404-407.	27.8	791
11	The Amborella Genome and the Evolution of Flowering Plants. Science, 2013, 342, 1241089.	12.6	743
12	The age and diversification of the angiosperms reâ€revisited. American Journal of Botany, 2010, 97, 1296-1303.	1.7	742
13	Widespread genome duplications throughout the history of flowering plants. Genome Research, 2006, 16, 738-749.	5.5	664
14	Advances in the study of polyploidy sincePlant speciation. New Phytologist, 2004, 161, 173-191.	7.3	640
15	Evolutionary Genetics of Genome Merger and Doubling in Plants. Annual Review of Genetics, 2008, 42, 443-461.	7.6	618
16	Phylogenetic analysis of 83 plastid genes further resolves the early diversification of eudicots. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4623-4628.	7.1	617
17	Using plastid genome-scale data to resolve enigmatic relationships among basal angiosperms. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19363-19368.	7.1	607
18	Angiosperm phylogeny: 17 genes, 640 taxa. American Journal of Botany, 2011, 98, 704-730.	1.7	590

#	Article	IF	Citations
19	Synthesis of phylogeny and taxonomy into a comprehensive tree of life. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12764-12769.	7.1	584
20	Data access for the 1,000 Plants (1KP) project. GigaScience, 2014, 3, 17.	6.4	582
21	Polyploidy and genome evolution in plants. Current Opinion in Genetics and Development, 2015, 35, 119-125.	3.3	578
22	Darwin's abominable mystery: Insights from a supertree of the angiosperms. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1904-1909.	7.1	547
23	Chloroplast DNA intraspecific phylogeography of plants from the Pacific Northwest of North America. Plant Systematics and Evolution, 1997, 206, 353-373.	0.9	476
24	From algae to angiospermsâ€“inferring the phylogeny of green plants (Viridiplantae) from 360 plastid genomes. BMC Evolutionary Biology, 2014, 14, 23.	3.2	468
25	Origin of angiosperms and the puzzle of the Jurassic gap. Nature Plants, 2019, 5, 461-470.	9.3	467
26	The polyploidy revolution thenâ€¦and now: Stebbins revisited. American Journal of Botany, 2014, 101, 1057-1078.	1.7	421
27	Ancient WGD events as drivers of key innovations in angiosperms. Current Opinion in Plant Biology, 2016, 30, 159-165.	7.1	390
28	A genome triplication associated with early diversification of the core eudicots. Genome Biology, 2012, 13, R3.	9.6	389
29	Rosid radiation and the rapid rise of angiosperm-dominated forests. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3853-3858.	7.1	382
30	A Universal Probe Set for Targeted Sequencing of 353 Nuclear Genes from Any Flowering Plant Designed Using k-Medoids Clustering. Systematic Biology, 2019, 68, 594-606.	5.6	371
31	Recent and recurrent polyploidy in Tragopogon (Asteraceae): cytogenetic, genomic and genetic comparisons. Biological Journal of the Linnean Society, 2004, 82, 485-501.	1.6	328
32	Polyploidy: an evolutionary and ecological force in stressful times. Plant Cell, 2021, 33, 11-26.	6.6	325
33	Evolutionary history of the angiosperm flora of China. Nature, 2018, 554, 234-238.	27.8	321
34	DISCORDANCE BETWEEN NUCLEAR AND CHLOROPLAST PHYLOGENIES IN THEHEUCHERAGROUP (SAXIFRAGACEAE). Evolution; International Journal of Organic Evolution, 1995, 49, 727-742.	2.3	318
35	Nested radiations and the pulse of angiosperm diversification: increased diversification rates often follow whole genome duplications. New Phytologist, 2015, 207, 454-467.	7.3	315
36	What we still don't know about polyploidy. Taxon, 2010, 59, 1387-1403.	0.7	300

#	Article	IF	Citations
37	Diversification of Rosaceae since the Late Cretaceous based on plastid phylogenomics. New Phytologist, 2017, 214, 1355-1367.	7.3	278
38	Polyploidy: Pitfalls and paths to a paradigm. American Journal of Botany, 2016, 103, 1146-1166.	1.7	271
39	Impact of wholeâ€genome duplication events on diversification rates in angiosperms. American Journal of Botany, 2018, 105, 348-363.	1.7	270
40	Expression of floral MADS-box genes in basal angiosperms: implications for the evolution of floral regulators. Plant Journal, 2005, 43, 724-744.	5.7	247
41	The origin and diversification of angiosperms. American Journal of Botany, 2004, 91, 1614-1626.	1.7	232
42	Evolution of genome size in the angiosperms. American Journal of Botany, 2003, 90, 1596-1603.	1.7	231
43	Origin and Early Evolution of Angiosperms. Annals of the New York Academy of Sciences, 2008, 1133, 3-25.	3.8	223
44	Plastid phylogenomic analysis of green plants: A billion years of evolutionary history. American Journal of Botany, 2018, 105, 291-301.	1.7	220
45	Nonadditive Gene Expression in Polyploids. Annual Review of Genetics, 2014, 48, 485-517.	7.6	207
46	Dissecting Molecular Evolution in the Highly Diverse Plant Clade Caryophyllales Using Transcriptome Sequencing. Molecular Biology and Evolution, 2015, 32, 2001-2014.	8.9	198
47	AUTOPOLYPLOIDY IN TOLMIEA MENZIESII (SAXIFRAGACEAE): GENETIC INSIGHTS FROM ENZYME ELECTROPHORESIS. American Journal of Botany, 1986, 73, 310-318.	1.7	197
48	Parallel evolution of glucosinolate biosynthesis inferred from congruent nuclear and plastid gene phylogenies. American Journal of Botany, 1998, 85, 997-1006.	1.7	191
49	Systematic and evolutionary implications of rbc L sequence variation in Rosaceae. American Journal of Botany, 1994, 81, 890-903.	1.7	190
50	The Eastern Asian and Eastern and Western North American Floristic Disjunction: Congruent Phylogenetic Patterns in Seven Diverse Genera. Molecular Phylogenetics and Evolution, 1998, 10, 178-190.	2.7	183
51	CHLOROPLAST DNA VARIATION WITHIN AND AMONG GENERA OF THE HEUCHERA GROUP (SAXIFRAGACEAE): EVIDENCE FOR CHLOROPLAST TRANSFER AND PARAPHYLY. American Journal of Botany, 1991, 78, 1091-1112.	1.7	179
52	Genome-scale data, angiosperm relationships, and â€˜ending incongruenceâ€™: a cautionary tale in phylogenetics. Trends in Plant Science, 2004, 9, 477-483.	8.8	176
53	Gunnerales are sister to other core eudicots: implications for the evolution of pentamery. American Journal of Botany, 2003, 90, 461-470.	1.7	173
54	10KP: A phylodiverse genome sequencing plan. GigaScience, 2018, 7, 1-9.	6.4	169

#	Article	IF	Citations
55	THE AGE OF THE ANGIOSPERMS: A MOLECULAR TIMESCALE WITHOUT A CLOCK. Evolution; International Journal of Organic Evolution, 2005, 59, 1245-1258.	2.3	158
56	Polyploidy and novelty: Gottlieb's legacy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130351.	4.0	158
57	Evolutionary Conservation of ABA Signaling for Stomatal Closure. Plant Physiology, 2017, 174, 732-747.	4.8	158
58	The evolutionary history of ferns inferred from 25 lowâ€copy nuclear genes. American Journal of Botany, 2015, 102, 1089-1107.	1.7	157
59	MarkerMiner 1.0: A new application for phylogenetic marker development using angiosperm transcriptomes. Applications in Plant Sciences, 2015, 3, 1400115.	2.1	156
60	The report of my death was an exaggeration: A review for researchers using microsatellites in the 21st century. Applications in Plant Sciences, 2016, 4, 1600025.	2.1	155
61	Pure polyploidy: Closing the gaps in autopolyploid research. Journal of Systematics and Evolution, 2017, 55, 340-352.	3.1	152
62	Are polyploids really evolutionary deadâ€ends (again)? A critical reappraisal of Mayrose etÂal. (2011). New Phytologist, 2014, 202, 1105-1117.	7.3	151
63	New prospects in the detection and comparative analysis of hybridization in the tree of life. American Journal of Botany, 2018, 105, 364-375.	1.7	150
64	Dispersalâ€Vicariance Analyses of Intercontinental Disjuncts: Historical Biogeographical Implications for Angiosperms in the Northern Hemisphere. International Journal of Plant Sciences, 2001, 162, S29-S39.	1.3	149
65	A MOLECULAR REEXAMINATION OF INTROGRESSION BETWEEN HELIANTHUS ANNUUS AND H. BOLANDERI (COMPOSITAE). Evolution; International Journal of Organic Evolution, 1988, 42, 227-238.	2.3	145
66	Resolving an Ancient, Rapid Radiation in Saxifragales. Systematic Biology, 2008, 57, 38-57.	5.6	145
67	A preliminary phylogeny of the tribe Miconieae (Melastomataceae) based on nrITS sequence data and its implications on inflorescence position. Taxon, 2004, 53, 279-290.	0.7	144
68	The ABC Model and its Applicability to Basal Angiosperms. Annals of Botany, 2007, 100, 155-163.	2.9	138
69	Patterns of abiotic niche shifts in allopolyploids relative to their progenitors. New Phytologist, 2016, 212, 708-718.	7.3	138
70	Evolution of chloroplast retrograde signaling facilitates green plant adaptation to land. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5015-5020.	7.1	138
71	Missing links: the genetic architecture of flower and floral diversification. Trends in Plant Science, 2002, 7, 22-31.	8.8	136
72	Polyploidy: A Biological Force From Cells to Ecosystems. Trends in Cell Biology, 2020, 30, 688-694.	7.9	136

#	Article	IF	Citations
73	Clarification of the relationship between Apiaceae and Araliaceae based on matK and rbcL sequence data. American Journal of Botany, 1997, 84, 565-580.	1.7	135
74	Phylogenetic relationships of Cornaceae and close relatives inferred from matK and rbcL sequences. American Journal of Botany, 1998, 85, 285-297.	1.7	131
75	Detecting alternatively spliced transcript isoforms from singleâ€molecule longâ€read sequences without a reference genome. Molecular Ecology Resources, 2017, 17, 1243-1256.	4.8	126
76	Deep phylogenetic incongruence in the angiosperm clade Rosidae. Molecular Phylogenetics and Evolution, 2015, 83, 156-166.	2.7	125
77	Phylogenetic relationships in Saxifragaceae sensu lato: a comparison of topologies based on 18S rDNA and rbcL sequences. American Journal of Botany, 1997, 84, 504-522.	1.7	122
78	SIX INDEPENDENT LOSSES OF THE CHLOROPLAST DNArpl2 INTRON IN DICOTYLEDONS: MOLECULAR AND PHYLOGENETIC IMPLICATIONS. Evolution; International Journal of Organic Evolution, 1991, 45, 1245-1259.	2.3	121
79	ALLOPOLYPLOID SPECIATION IN TRAGOPOGON: INSIGHTS FROM CHLOROPLAST DNA. American Journal of Botany, 1989, 76, 1119-1124.	1.7	120
80	Insights into the historical assembly of East Asian subtropical evergreen broadleaved forests revealed by the temporal history of the tea family. New Phytologist, 2017, 215, 1235-1248.	7.3	119
81	Phylogeny of the Rosidae: A dense taxon sampling analysis. Journal of Systematics and Evolution, 2016, 54, 363-391.	3.1	118
82	Systematic and Evolutionary Implications of rbcL Sequence Variation in Rosaceae. American Journal of Botany, 1994, 81, 890.	1.7	117
83	Assessing Congruence: Empirical Examples from Molecular Data. , 1998, , 297-348.		115
84	Rates of niche and phenotype evolution lag behind diversification in a temperate radiation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10874-10882.	7.1	115
85	Phylogeny of seed plants based on evidence from eight genes. American Journal of Botany, 2002, 89, 1670-1681.	1.7	111
86	The legacy of diploid progenitors in allopolyploid gene expression patterns. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130354.	4.0	111
87	Phylogenomic Mining of the Mints Reveals Multiple Mechanisms Contributing to the Evolution of Chemical Diversity in Lamiaceae. Molecular Plant, 2018, 11, 1084-1096.	8.3	109
88	Plastid phylogenomic insights into relationships of all flowering plant families. BMC Biology, 2021, 19, 232.	3.8	109
89	Chloroplast genome analyses and genomic resource development for epilithic sister genera Oresitrophe and Mukdenia (Saxifragaceae), using genome skimming data. BMC Genomics, 2018, 19, 235.	2.8	106
90	Higher level relationships of Apiales (Apiaceae and Araliaceae) based on phylogenetic analysis of rbcL sequences. American Journal of Botany, 1996, 83, 499-515.	1.7	103

#	Article	IF	Citations
91	mat K and rbc L gene sequence data indicate that Saxifraga (Saxifragaceae) is polyphyletic. American Journal of Botany, 1996, 83, 371-382.	1.7	103
92	The floral genome: an evolutionary history of gene duplication and shifting patterns of gene expression. Trends in Plant Science, 2007, 12, 358-367.	8.8	103
93	Towards a phylogenetic nomenclature ofTracheophyta. Taxon, 2007, 56, 822-846.	0.7	101
94	Plastid phylogenomic insights into the evolution of Caryophyllales. Molecular Phylogenetics and Evolution, 2019, 134, 74-86.	2.7	101
95	OWNBEY'S TRAGOPOGONS: 40 YEARS LATER. American Journal of Botany, 1991, 78, 1586-1600.	1.7	100
96	A targeted enrichment strategy for massively parallel sequencing of angiosperm plastid genomes. Applications in Plant Sciences, 2013, 1, 1200497.	2.1	99
97	The Role of Phylogenetics in Comparative Genetics. Plant Physiology, 2003, 132, 1790-1800.	4.8	97
98	GENETIC VARIATION IN BROMUS TECTORUM (POACEAE): POPULATION DIFFERENTIATION IN ITS NORTH AMERICAN RANGE. American Journal of Botany, 1991, 78, 1150-1161.	1.7	96
99	DYNAMICS OF POLYPLOID FORMATION INTRAGOPOGON(ASTERACEAE): RECURRENT FORMATION, GENE FLOW, AND POPULATION STRUCTURE. Evolution; International Journal of Organic Evolution, 2010, 64, 1984-2003.	2.3	95
100	Resolving basal lamiid phylogeny and the circumscription of Icacinaceae with a plastomeâ€scale data set. American Journal of Botany, 2015, 102, 1794-1813.	1.7	95
101	Phylogenetic relationships and character evolution analysis of Saxifragales using a supermatrix approach. American Journal of Botany, 2013, 100, 916-929.	1.7	92
102	Phylogenomic and structural analyses of 18 complete plastomes across nearly all families of early-diverging eudicots, including an angiosperm-wide analysis of IR gene content evolution. Molecular Phylogenetics and Evolution, 2016, 96, 93-101.	2.7	92
103	Molecular systematics of Saxifragaceae sensu stricto. American Journal of Botany, 1993, 80, 1056-1081.	1.7	91
104	Large-scale phylogenetic analyses reveal multiple gains of actinorhizal nitrogen-fixing symbioses in angiosperms associated with climate change. Scientific Reports, 2015, 5, 14023.	3.3	89
105	GENETIC CONSEQUENCES OF AUTOPOLYPLOIDY IN TOLMIEA (SAXIFRAGACEAE). Evolution; International Journal of Organic Evolution, 1989, 43, 586-594.	2.3	88
106	CHLOROPLASTâ€DNA VARIATION AND MULTIPLE ORIGINS OF AUTOPOLYPLOIDY IN HEUCHERA MICRANTHA (SAXIFRAGACEAE). Evolution; International Journal of Organic Evolution, 1989, 43, 650-656.	2.3	88
107	Amborella not a â€œbasal angiospermâ€? Not so fast. American Journal of Botany, 2004, 91, 997-1001.	1.7	88
108	Tree of life for the genera of Chinese vascular plants. Journal of Systematics and Evolution, 2016, 54, 277-306.	3.1	88

#	Article	IF	Citations
109	Deep reticulation and incomplete lineage sorting obscure the diploid phylogeny of rain-lilies and allies (Amaryllidaceae tribe Hippeastreae). Molecular Phylogenetics and Evolution, 2017, 111, 231-247.	2.7	88
110	ITS and ETS Sequence Data and Phylogeny Reconstruction in Allopolyploids and Hybrids. Systematic Botany, 2008, 33, 7-20.	0.5	86
111	Green giantâ€"a tiny chloroplast genome with mighty power to produce highâ€value proteins: history and phylogeny. Plant Biotechnology Journal, 2021, 19, 430-447.	8.3	86
112	An Exploration into Fern Genome Space. Genome Biology and Evolution, 2015, 7, 2533-2544.	2.5	85
113	Modified CTAB and TRIzol protocols improve RNA extraction from chemically complex Embryophyta. Applications in Plant Sciences, 2015, 3, 1400105.	2.1	84
114	Diversification of the North American shrub genus Ceanothus (Rhamnaceae): conflicting phylogenies from nuclear ribosomal DNA and chloroplast DNA. American Journal of Botany, 2000, 87, 108-123.	1.7	83
115	THE DISTRIBUTION OF SELFING RATES IN HOMOSPOROUS FERNS. American Journal of Botany, 1992, 79, 97-100.	1.7	82
116	GENETIC VARIATION IN TRAGOPOGON SPECIES: ADDITIONAL ORIGINS OF THE ALLOTETRAPLOIDS T. MIRUS AND T. MISCELLUS (COMPOSITAE). American Journal of Botany, 1995, 82, 1329-1341.	1.7	82
117	Evolving Ideas on the Origin and Evolution of Flowers: New Perspectives in the Genomic Era. Genetics, 2016, 202, 1255-1265.	2.9	82
118	CHLOROPLASTâ€ÐNA AND ALLOZYMIC VARIATION IN DIPLOID AND AUTOTETRAPLOID HEUCHERA GROSSULARIIFOLIA (SAXIFRAGACEAE). American Journal of Botany, 1990, 77, 232-244.	1.7	80
119	Menispermaceae and the diversification of tropical rainforests near the Cretaceousâ€"Paleogene boundary. New Phytologist, 2012, 195, 470-478.	7.3	80
120	Peptidomics of Circular Cysteine-Rich Plant Peptides: Analysis of the Diversity of Cyclotides from Viola tricolor by Transcriptome and Proteome Mining. Journal of Proteome Research, 2015, 14, 4851-4862.	3.7	80
121	For common community phylogenetic analyses, go ahead and use synthesis phylogenies. Ecology, 2019, 100, e02788.	3.2	80
122	The Cycas genome and the early evolution of seed plants. Nature Plants, 2022, 8, 389-401.	9.3	80
123	Autopolyploidy in Tolmiea menziesii (Saxifragaceae): Genetic Insights from Enzyme Electrophoresis. American Journal of Botany, 1986, 73, 310.	1.7	79
124	Comparative proteomics of the recently and recurrently formed natural allopolyploid Tragopogon mirus (Asteraceae) and its parents. New Phytologist, 2012, 196, 292-305.	7.3	79
125	The C-Fern (Ceratopteris richardii) genome: insights into plant genome evolution with the first partial homosporous fern genome assembly. Scientific Reports, 2019, 9, 18181.	3.3	79
126	P<scp>hylogenetic relationships in tribe</scp> C<scp>ardueae</scp> (A<scp>steraceae</scp>) <scp>based on</scp> ITS <scp>sequences</scp>. American Journal of Botany, 1995, 82, 1056-1068.	1.7	78

#	Article	IF	Citations
127	Allozyme Variability Is Absent in the Narrow Endemic Bensoniella oregona (Saxifragaceae). Conservation Biology, 1992, 6, 131-134.	4.7	76
128	Niche divergence between diploid and autotetraploid Tolmiea. American Journal of Botany, 2016, 103, 1396-1406.	1.7	76
129	Phylogenetic imprint of woody plants on the soil mycobiome in natural mountain forests of eastern China. ISME Journal, 2019, 13, 686-697.	9.8	76
130	CHLOROPLASTâ€DNA VARIATION IN TELLIMA GRANDIFLORA (SAXIFRAGACEAE). American Journal of Botany, 1991, 78, 1379-1390.	1.7	75
131	Nuclear phylogenomic analyses of asterids conflict with plastome trees and support novel relationships among major lineages. American Journal of Botany, 2020, 107, 790-805.	1.7	75
132	Review of the Application of Modern Cytogenetic Methods (FISH/GISH) to the Study of Reticulation (Polyploidy/Hybridisation). Genes, 2010, 1, 166-192.	2.4	73
133	Chloroplast DNA Variation Within and Among Genera of the Heuchera Group (Saxifragaceae): Evidence for Chloroplast Transfer and Paraphyly. American Journal of Botany, 1991, 78, 1091.	1.7	73
134	AUTOPOLYPLOIDY IN TOLMIEA MENZIESII (SAXIFRAGACEAE). American Journal of Botany, 1984, 71, 1171-1174.	1.7	72
135	Multiple origins of the octoploid Scandinavian endemic Draba cacu minum: electrophoretic and morphological evidence. Nordic Journal of Botany, 1992, 12, 257-272.	0.5	72
136	RECURRENT FORMATION AND POLYPHYLY OF NORDIC POLYPLOIDS IN DRABA (BRASSICACEAE). American Journal of Botany, 1992, 79, 673-688.	1.7	71
137	Towards a phylogenetic nomenclature of Tracheophyta. Taxon, 2007, 56, E1.	0.7	71
138	Relationships and evolution of Hydrangeaceae based on RBCl sequence data. American Journal of Botany, 1995, 82, 504-514.	1.7	70
139	Molecular evidence for polyploid origins in Saxifraga (Saxifragaceae): the narrow arctic endemic S. svalbardensis and its widespread allies. American Journal of Botany, 1998, 85, 135-143.	1.7	70
140	Synthetic polyploids of Tragopogon miscellus and T. mirus (Asteraceae): 60 Years after Ownbey's discovery. American Journal of Botany, 2009, 96, 979-988.	1.7	70
141	The evolutionary origins of the cat attractant nepetalactone in catnip. Science Advances, 2020, 6, eaba0721.	10.3	70
142	Transcriptional signatures of ancient floral developmental genetics in avocado (Persea americana;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 106, 8929-8934.	7.1	69
143	Between Two Fern Genomes. GigaScience, 2014, 3, 15.	6.4	69
144	Another Look at the Root of the Angiosperms Reveals a Familiar Tale. Systematic Biology, 2014, 63, 368-382.	5.6	68

#	Article	IF	Citations
145	Phylogeny, divergence times, and historical biogeography of the angiosperm family Saxifragaceae. Molecular Phylogenetics and Evolution, 2015, 83, 86-98.	2.7	68
146	Gene duplications and phylogenomic conflict underlie major pulses of phenotypic evolution in gymnosperms. Nature Plants, 2021, 7, 1015-1025.	9.3	68
147	The Amborella genome: an evolutionary reference for plant biology. Genome Biology, 2008, 9, 402.	9.6	67
148	The potential of genomics in plant systematics. Taxon, 2013, 62, 886-898.	0.7	67
149	Evolutionary and domestication history of Cucurbita (pumpkin and squash) species inferred from 44 nuclear loci. Molecular Phylogenetics and Evolution, 2017, 111, 98-109.	2.7	67
150	T he evolution of the S treptanthus glandulosus complex (C ruciferae): genetic divergence and gene flow in serpentine endemics. American Journal of Botany, 1994, 81, 1288-1299.	1.7	65
151	Phylogeny and staminal evolution of Salvia (Lamiaceae, Nepetoideae) in East Asia. Annals of Botany, 2018, 122, 649-668.	2.9	65
152	Green plant genomes: What we know in an era of rapidly expanding opportunities. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	65
153	Electrophoretic relationships and phylogeny of Nordic polyploids inDraba (Brassicaceae). Plant Systematics and Evolution, 1992, 182, 35-70.	0.9	64
154	Phylogenetic relationships and evolution in Chrysosplenium (Saxifragaceae) based on matK sequence data. American Journal of Botany, 2001, 88, 883-893.	1.7	64
155	POPULATION STRUCTURE AND ESTIMATES OF GENE FLOW IN THE HOMOSPOROUS FERNPOLYSTICHUM MUNITUM. Evolution; International Journal of Organic Evolution, 1987, 41, 620-629.	2.3	63
156	Phylogenetic signal detection from an ancient rapid radiation: Effects of noise reduction, long-branch attraction, and model selection in crown clade Apocynaceae. Molecular Phylogenetics and Evolution, 2014, 80, 169-185.	2.7	63
157	Evolution of Inbreeding and Outcrossing in Ferns and Fern-Allies. Plant Species Biology, 1990, 5, 1-11.	1.0	62
158	Darwin review: angiosperm phylogeny and evolutionary radiations. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190099.	2.6	62
159	ELECTROPHORETIC EVIDENCE FOR INBREEDING IN THE FERN BOTRYCHIUM VIRGINIANUM (OPHIOGLOSSACEAE). American Journal of Botany, 1986, 73, 588-592.	1.7	60
160	Factors promoting polyploid persistence and diversification and limiting diploid speciation during the Kâ€“Pg interlude. Current Opinion in Plant Biology, 2018, 42, 1-7.	7.1	59
161	Surviving the K-T mass extinction: New perspectives of polyploidization in angiosperms. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5455-5456.	7.1	57
162	BREEDING SYSTEM OF THE FERN DRYOPTERIS EXPANSA: EVIDENCE FOR MIXED MATING. American Journal of Botany, 1987, 74, 504-509.	1.7	56

#	Article	IF	Citations
163	The antiquity of Cyclocarya paliurus (Juglandaceae) provides new insights into the evolution of relict plants in subtropical China since the late Early Miocene. Journal of Biogeography, 2016, 43, 351-360.	3.0	56
164	Considerations in adapting CRISPR/Cas9 in nongenetic model plant systems. Applications in Plant Sciences, 2020, 8, e11314.	2.1	56
165	Sequence and Expression Studies of Aâ€, Bâ€, and Eâ€Class MADSâ€Box Homologues inEupomatia(Eupomatiaceae): Support for the Bracteate Origin of the Calyptra. International Journal of Plant Sciences, 2005, 166, 185-198.	1.3	55
166	OBLIGATE OUTCROSSING IN A HOMOSPOROUS FERN: FIELD CONFIRMATION OF A LABORATORY PREDICTION. American Journal of Botany, 1984, 71, 878-881.	1.7	52
167	Genetic and epigenetic alterations after hybridization and genome doubling. Taxon, 2007, 56, 649-656.	0.7	52
168	A chromosomal-scale genome assembly of Tectona grandis reveals the importance of tandem gene duplication and enables discovery of genes in natural product biosynthetic pathways. GigaScience, 2019, 8, .	6.4	52
169	AUTOPOLYPLOIDY IN HEUCHERA MICRANTHA (SAXIFRAGACEAE). American Journal of Botany, 1989, 76, 614-626.	1.7	51
170	Insights into angiosperm evolution, floral development and chemical biosynthesis from the Aristolochia fimbriata genome. Nature Plants, 2021, 7, 1239-1253.	9.3	51
171	DEF- and GLO-like proteins may have lost most of their interaction partners during angiosperm evolution. Annals of Botany, 2014, 114, 1431-1443.	2.9	49
172	Genetic variation within and among populations of the narrow endemic, delphinium viridescens (Ranunculaceae). American Journal of Botany, 1994, 81, 1070-1076.	1.7	48
173	Mobilizing and integrating big data in studies of spatial andÂphylogenetic patterns of biodiversity. Plant Diversity, 2016, 38, 264-270.	3.7	48
174	Soil pH determines bacterial distribution and assembly processes in natural mountain forests of eastern China. Global Ecology and Biogeography, 2021, 30, 2164-2177.	5.8	48
175	Electrophoretic evidence for tetrasomic segregation in Tolmiea menziesii (Saxifragaceae). Heredity, 1988, 60, 375-382.	2.6	47
176	matK and rbcL Gene Sequence Data Indicate that Saxifraga (Saxifragaceae) is Polyphyletic. American Journal of Botany, 1996, 83, 371.	1.7	47
177	Repeated range expansions and inter-/postglacial recolonization routes of Sargentodoxa cuneata (Oliv.) Rehd. et Wils. (Lardizabalaceae) in subtropical China revealed by chloroplast phylogeography. Molecular Phylogenetics and Evolution, 2015, 85, 238-246.	2.7	47
178	Monophyly and generic relationships of polemoniaceae based on mat K Sequences. American Journal of Botany, 1996, 83, 1207-1224.	1.7	46
179	Reassessment of phylogeographical structure in an eastern North American tree using Monmonierâ€™s algorithm and ecological niche modelling. Journal of Biogeography, 2010, 37, 1657-1667.	3.0	46
180	Population genetic variation, geographic structure, and multiple origins of autopolyploidy in Galax urceolata. American Journal of Botany, 2015, 102, 973-982.	1.7	46

#	Article	IF	Citations
181	Phylogenetic inferences in Antennaria (Asteraceae: Gnaphalieae: Cassiniinae) based on sequences from Nuclear Ribosomal DNA internal transcribed spacers (ITS). American Journal of Botany, 1996, 83, 516-527.	1.7	44
182	Phylogenetic relationships in subtribe Scorzonerinae (Asteraceae: Cichorioideae: Cichorieae) based on ITS sequence data. Taxon, 2004, 53, 699-712.	0.7	44
183	Biogeography of Nymphaeales: extant patterns and historical events. Taxon, 2008, 57, 1123.	0.7	44
184	Microsatellite evidence for high clonality and limited genetic diversity in Ziziphus celata (Rhamnaceae), an endangered, self-incompatible shrub endemic to the Lake Wales Ridge, Florida, USA. Conservation Genetics, 2012, 13, 223-234.	1.5	44
185	Chloranthus genome provides insights into the early diversification of angiosperms. Nature Communications, 2021, 12, 6930.	12.8	44
186	Phylogenomic conflict resulting from ancient introgression following species diversification in Stewartia s.l. (Theaceae). Molecular Phylogenetics and Evolution, 2019, 135, 1-11.	2.7	43
187	Recent accelerated diversification in rosids occurred outside the tropics. Nature Communications, 2020, 11, 3333.	12.8	43
188	Phylogenetic relationships between Juncaceae and Cyperaceae: insights from rbcL sequence data. American Journal of Botany, 1995, 82, 520-525.	1.7	42
189	Genetic Variation in Tragopogon Species: Additional Origins of the Allotetraploids T. mirus and T. miscellus (Compositae). American Journal of Botany, 1995, 82, 1329.	1.7	42
190	GENETIC VARIATION IN THE EPIPHYTES TILLANDSIA IONANTHA AND T. RECURVATA (BROMELIACEAE). American Journal of Botany, 1987, 74, 531-537.	1.7	41
191	Flower Diversity and Angiosperm Diversification. Methods in Molecular Biology, 2014, 1110, 85-102.	0.9	41
192	Evolution of floral diversity: genomics, genes andgamma. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20150509.	4.0	41
193	Spatial Phylogenetics of Florida Vascular Plants: The Effects of Calibration and Uncertainty on Diversity Estimates. IScience, 2019, 11, 57-70.	4.1	41
194	Sequencing and Analyzing the Transcriptomes of a Thousand Species Across the Tree of Life for Green Plants. Annual Review of Plant Biology, 2020, 71, 741-765.	18.7	41
195	Higher Level Relationships of Apiales (Apiaceae and Araliaceae) Based on Phylogenetic Analysis of rbcL Sequences. American Journal of Botany, 1996, 83, 499.	1.7	40
196	Evolution of floral traits and impact of reproductive mode on diversification in the phlox family (Polemoniaceae). Molecular Phylogenetics and Evolution, 2018, 127, 878-890.	2.7	40
197	Molecular Systematics of Saxifragaceae Sensu Stricto. American Journal of Botany, 1993, 80, 1056.	1.7	40
198	Polyploidy and the proteome. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 896-907.	2.3	39

#	Article	IF	Citations
199	Spatial phylogenetics of the North American flora. Journal of Systematics and Evolution, 2020, 58, 393-405.	3.1	39
200	AN INTERGENERIC HYBRID IN THE SAXIFRAGACEAE: EVIDENCE FROM RIBOSOMAL RNA GENES. American Journal of Botany, 1985, 72, 1388-1391.	1.7	38
201	GENETIC EVIDENCE FOR DIPLOIDY IN EQUISETUM. American Journal of Botany, 1986, 73, 908-913.	1.7	38
202	Allopolyploid Speciation in Tragopogon: Insights from Chloroplast DNA. American Journal of Botany, 1989, 76, 1119.	1.7	38
203	Recurrent Formation and Polyphyly of Nordic Polyploids in Draba (Brassicaceae). American Journal of Botany, 1992, 79, 673.	1.7	38
204	PHOSPHOGLUCOMUTASE GENE DUPLICATIONS IN CLARKIA (ONAGRACEAE) AND THEIR PHYLOGENETIC IMPLICATIONS. Evolution; International Journal of Organic Evolution, 1987, 41, 667-671.	2.3	37
205	The Early Stages of Polyploidy: Rapid and Repeated Evolution in Tragopogon. , 2012, , 271-292.		36
206	Highâ€throughput methods for efficiently building massive phylogenies from natural history collections. Applications in Plant Sciences, 2021, 9, e11410.	2.1	36
207	Ownbey's Tragopogons: 40 Years Later. American Journal of Botany, 1991, 78, 1586.	1.7	35
208	The Distribution of Selfing Rates in Homosporous Ferns. American Journal of Botany, 1992, 79, 97.	1.7	35
209	Pseudo-parallel patterns of disjunctions in an Arctic-alpine plant lineage. Molecular Phylogenetics and Evolution, 2018, 123, 88-100.	2.7	34
210	Plastome Evolution in Saxifragaceae and Multiple Plastid Capture Events Involving Heuchera and Tiarella. Frontiers in Plant Science, 2020, 11, 361.	3.6	34
211	Genetic Variation in Bromus tectorum (Poaceae): Population Differentiation in Its North American Range. American Journal of Botany, 1991, 78, 1150.	1.7	34
212	ESTIMATES OF INTRAGAMETOPHYTIC SELFING AND INTERPOPULATIONAL GENE FLOW IN HOMOSPOROUS FERNS. American Journal of Botany, 1988, 75, 1765-1770.	1.7	33
213	Out of the Water: Origin and Diversification of the LBD Gene Family. Molecular Biology and Evolution, 2015, 32, 1996-2000.	8.9	33
214	Challenges of comprehensive taxon sampling in comparative biology: Wrestling with rosids. American Journal of Botany, 2018, 105, 433-445.	1.7	33
215	Nuclear genomes of two magnoliids. Nature Plants, 2019, 5, 6-7.	9.3	33
216	Evolution of rapid blueâ€light response linked to explosive diversification of ferns in angiosperm forests. New Phytologist, 2021, 230, 1201-1213.	7.3	33

#	Article	IF	Citations
217	Chloroplast-DNA and Allozymic Variation in Diploid and Autotetraploid Heuchera grossulariifolia (Saxifragaceae). American Journal of Botany, 1990, 77, 232.	1.7	33
218	GENETIC VARIATION AND POPULATION STRUCTURE IN THE FERN BLECHNUM SPICANT (BLECHNACEAE) FROM WESTERN NORTH AMERICA. American Journal of Botany, 1988, 75, 37-44.	1.7	32
219	Resolving the phylogenetic position of Ombrocharis (Lamiaceae), with reference to the molecular phylogeny of tribe Elsholtzieae. Taxon, 2016, 65, 123-136.	0.7	32
220	Angiosperms at the edge: Extremity, diversity, and phylogeny. Plant, Cell and Environment, 2020, 43, 2871-2893.	5.7	32
221	Relationships and Evolution of Hydrangeaceae Based on rbcL Sequence Data. American Journal of Botany, 1995, 82, 504.	1.7	32
222	Cytonuclear Coordination Is Not Immediate upon Allopolyploid Formation in Tragopogon miscellus (Asteraceae) Allopolyploids. PLoS ONE, 2015, 10, e0144339.	2.5	31
223	Application of CRISPR/Cas9 to Tragopogon (Asteraceae), an evolutionary model for the study of polyploidy. Molecular Ecology Resources, 2018, 18, 1427-1443.	4.8	31
224	Genetic Variation within and Among Populations of the Narrow Endemic, Delphinium viridescens (Ranunculaceae). American Journal of Botany, 1994, 81, 1070.	1.7	31
225	PATTERNS OF GENETIC VARIATION IN SALIX SECTION LONGIFOLIAE (SALICACEAE). American Journal of Botany, 1991, 78, 855-869.	1.7	30
226	Divergent gene expression levels between diploid and autotetraploid Tolmiea relative to the total transcriptome, the cell, and biomass. American Journal of Botany, 2019, 106, 280-291.	1.7	30
227	Revisiting the phylogeny of Dipsacales: New insights from phylogenomic analyses of complete plastomic sequences. Journal of Systematics and Evolution, 2020, 58, 103-117.	3.1	30
228	The Evolution of the Streptanthus glandulosus Complex (Cruciferae): Genetic Divergence and Gene Flow in Serpentine Endemics. American Journal of Botany, 1994, 81, 1288.	1.7	30
229	Idiosyncratic responses of evergreen broad-leaved forest constituents in China to the late Quaternary climate changes. Scientific Reports, 2016, 6, 31044.	3.3	29
230	A new resource for the development of SSR markers: Millions of loci from a thousand plant transcriptomes. Applications in Plant Sciences, 2016, 4, 1600024.	2.1	29
231	Chloroplast-DNA Variation in Tellima grandiflora (Saxifragaceae). American Journal of Botany, 1991, 78, 1379.	1.7	29
232	GENETIC DIVERGENCE AND ISOZYME NUMBER VARIATION AMONG FOUR VARIETIES OF ALLIUM DOUGLASII (ALLIACEAE). American Journal of Botany, 1987, 74, 1614-1624.	1.7	28
233	Phylogenetic relationships of Loasaceae subfamily Gronovioideae inferred from mat K and ITS sequence data. American Journal of Botany, 2001, 88, 326-336.	1.7	28
234	Biosystematic relationships and the formation of polyploids. Taxon, 2011, 60, 324-332.	0.7	28

#	Article	IF	Citations
235	A Phylogenomic Perspective on Evolution and Discordance in the Alpine-Arctic Plant Clade Micranthes (Saxifragaceae). Frontiers in Plant Science, 2019, 10, 1773.	3.6	28
236	Multiple origins and chromosomal novelty in the allotetraploid T ragopogon castellanus (Asteraceae). New Phytologist, 2015, 206, 1172-1183.	7.3	27
237	Climatic niche comparison among ploidal levels in the classic autopolyploid system, Galax urceolata. American Journal of Botany, 2018, 105, 1631-1642.	1.7	27
238	Electrophoretic Evidence for Inbreeding in the Fern Botrychium virginianum (Ophioglossaceae). American Journal of Botany, 1986, 73, 588.	1.7	27
239	Autopolyploidy in Tolmiea menziesii (Saxifragaceae). American Journal of Botany, 1984, 71, 1171.	1.7	26
240	ESTIMATED RATES OF INTRAGAMETOPHYTIC SELFING IN LYCOPODS. American Journal of Botany, 1988, 75, 248-256.	1.7	26
241	Putative parentage of six Old World polyploids in Tragopogon L. (Asteraceae: Scorzonerinae) based on ITS, ETS, and plastid sequence data. Taxon, 2008, 57, 1215.	0.7	26
242	Transcriptome Dynamics of the Inflorescence in Reciprocally Formed Allopolyploid Tragopogon miscellus (Asteraceae). Frontiers in Genetics, 2020, 11, 888.	2.3	26
243	Large size and complex structure of mitochondrial DNA in two nonflowering land plants. Current Genetics, 1992, 21, 125-129.	1.7	25
244	Structural homology and developmental transformations associated with ovary diversification in Lithophragma (Saxifragaceae). American Journal of Botany, 2001, 88, 196-205.	1.7	25
245	Natural hybrids betweenTragopogon mirusandT. miscellus(Asteraceae): A new perspective on karyotypic changes following hybridization at the polyploid level. American Journal of Botany, 2013, 100, 2016-2022.	1.7	25
246	Terrestrial species adapted to sea dispersal: Differences in propagule dispersal of two Caribbean mangroves. Molecular Ecology, 2018, 27, 4612-4626.	3.9	25
247	A twoâ€tier bioinformatic pipeline to develop probes for target capture of nuclear loci with applications in Melastomataceae. Applications in Plant Sciences, 2020, 8, e11345.	2.1	25
248	Plant genomes: Markers of evolutionary history and drivers of evolutionary change. Plants People Planet, 2021, 3, 74-82.	3.3	25
249	Obligate Outcrossing in a Homosporous Fern: Field Confirmation of a Laboratory Prediction. American Journal of Botany, 1984, 71, 878.	1.7	25
250	ARE LYCOPODS WITH HIGH CHROMOSOME NUMBERS ANCIENT POLYPLOIDS?. American Journal of Botany, 1988, 75, 238-247.	1.7	24
251	Comparative phylogeography of black mangroves (Avicennia germinans) and red mangroves (Rhizophora mangle) in Florida: Testing the maritime discontinuity in coastal plants. American Journal of Botany, 2016, 103, 730-739.	1.7	24
252	The Effects of Herbarium Specimen Characteristics on Short-Read NGS Sequencing Success in Nearly 8000 Specimens: Old, Degraded Samples Have Lower DNA Yields but Consistent Sequencing Success. Frontiers in Plant Science, 2021, 12, 669064.	3.6	24

#	Article	IF	Citations
253	Buxus and Tetracentron genomes help resolve eudicot genome history. Nature Communications, 2022, 13, 643.	12.8	24
254	VARIATION AND LOCALIZATION OF FLAVONOID AGLYCONES IN HELIANTHUS ANNUUS (COMPOSITAE). American Journal of Botany, 1987, 74, 224-233.	1.7	23
255	AN ELECTROPHORETIC INVESTIGATION OF INTRAGAMETOPHYTIC SELFING IN EQUISETUM ARVENSE. American Journal of Botany, 1988, 75, 231-237.	1.7	23
256	Ancient DNA: Prospects and limitations. New Zealand Journal of Botany, 1993, 31, 203-209.	1.1	23
257	Molecular Markers and Concepts of Plant Evolutionary Relationships: Progress, Promise, and Future Prospects. Critical Reviews in Plant Sciences, 2009, 28, 1-15.	5.7	23
258	Effects of taxon sampling and tree reconstruction methods on phylodiversity metrics. Ecology and Evolution, 2019, 9, 9479-9499.	1.9	23
259	Phylotranscriptomics of Theaceae: generic-level relationships, reticulation and whole-genome duplication. Annals of Botany, 2022, 129, 457-471.	2.9	23
260	Biogeography and ecological niche evolution in Diapensiaceae inferred from phylogenetic analysis. Journal of Systematics and Evolution, 2020, 58, 646-662.	3.1	22
261	Spatial phylogenetics of butterflies in relation to environmental drivers and angiosperm diversity across North America. IScience, 2021, 24, 102239.	4.1	22
262	Molecular systematics: assembling and using the Tree of Life. Taxon, 2001, 50, 663-677.	0.7	21
263	Population genetic structure, genetic diversity, and natural history of the South American species of Nothofagus subgenus Lophozonia (Nothofagaceae) inferred from nuclear microsatellite data. Ecology and Evolution, 2014, 4, 2450-2471.	1.9	21
264	The Phenotypic and Genetic Underpinnings of Flower Size in Polemoniaceae. Frontiers in Plant Science, 2015, 6, 1144.	3.6	21
265	A Robust Methodology for Assessing Differential Homeolog Contributions to the Transcriptomes of Allopolyploids. Genetics, 2018, 210, 883-894.	2.9	21
266	Phylotranscriptomic analyses reveal asymmetrical gene duplication dynamics and signatures of ancient polyploidy in mints. Genome Biology and Evolution, 2019, 11, 3393-3408.	2.5	21
267	Generation of a chromosome-scale genome assembly of the insect-repellent terpenoid-producing Lamiaceae species, Callicarpa americana. GigaScience, 2020, 9, .	6.4	21
268	Potential distributional shifts in North America of allelopathic invasive plant species under climate change models. Plant Diversity, 2022, 44, 11-19.	3.7	21
269	Polyphyly of Tragopogon porrifolius L. (Asteraceae), a European Native with Intercontinental Disjuncts. International Journal of Plant Sciences, 2007, 168, 889-904.	1.3	20
270	Phylogenetic Inferences in Antennaria (Asteraceae: Gnaphalieae: Cassiniinae) Based on Sequences from Nuclear Ribosomal DNA Internal Transcribed Spacers (ITS). American Journal of Botany, 1996, 83, 516.	1.7	20

#	Article	IF	Citations
271	POPULATION GENETIC STRUCTURE IN CHEILANTHES GRACILLIMA. American Journal of Botany, 1989, 76, 1114-1118.	1.7	19
272	Character evolution and missing (morphological) data across Asteridae. American Journal of Botany, 2018, 105, 470-479.	1.7	19
273	Biodiversity synthesis across the green branches of the tree of life. Nature Plants, 2019, 5, 11-13.	9.3	19
274	Variation and Localization of Flavonoid Aglycones in Helianthus annuus (Compositae). American Journal of Botany, 1987, 74, 224.	1.7	18
275	Phylogenetic relationships ofPolemoniaceae inferred from 18S ribosomal DNA sequences. Plant Systematics and Evolution, 1999, 214, 65-89.	0.9	18
276	Additional origins of Ownbey's Tragopogon mirus. Botanical Journal of the Linnean Society, 2012, 169, 297-311.	1.6	18
277	Comparative transcriptomic analysis of the evolution and development of flower size in Saltugilia (Polemoniaceae). BMC Genomics, 2017, 18, 475.	2.8	18
278	Autopolyploidy in Heuchera micrantha (Saxifragaceae). American Journal of Botany, 1989, 76, 614.	1.7	18
279	Natural selection and repeated patterns of molecular evolution following allopatric divergence. ELife, 2019, 8, .	6.0	18
280	Genomes shed light on the evolution of Begonia, a megaâ€diverse genus. New Phytologist, 2022, 234, 295-310.	7.3	18
281	Genotypic variation in agamospermousErigeron compositus(Asteraceae). American Journal of Botany, 1996, 83, 1292-1303.	1.7	17
282	DNA sequence data reveal polyphyly of Brexioideae (Brexiaceae; Saxifragaceae sensu lato). Plant Systematics and Evolution, 1999, 219, 199-208.	0.9	17
283	Whole-genome duplication and molecular evolution in Cornus L. (Cornaceae) â€“ Insights from transcriptome sequences. PLoS ONE, 2017, 12, e0171361.	2.5	17
284	Using and navigating the plant tree of life. American Journal of Botany, 2018, 105, 287-290.	1.7	17
285	Molecular systematics of Caryopteris (Lamiaceae) and its allies with reference to the molecular phylogeny of subfamily Ajugoideae. Taxon, 2018, 67, 376-394.	0.7	17
286	Estimating rates and patterns of diversification with incomplete sampling: a case study in the rosids. American Journal of Botany, 2020, 107, 895-909.	1.7	17
287	Genetic Evidence for Diploidy in Equisetum. American Journal of Botany, 1986, 73, 908.	1.7	17
288	GENETIC RELATIONSHIPS AND PATTERNS OF ALLOZYMIC DIVERGENCE IN THE IPOMOPSIS AGGREGATA COMPLEX AND RELATED SPECIES (POLEMONIACEAE). American Journal of Botany, 1991, 78, 515-526.	1.7	16

#	Article	IF	Citations
289	Amborella gene presence/absence variation is associated with abiotic stress responses that may contribute to environmental adaptation. New Phytologist, 2022, 233, 1548-1555.	7.3	16
290	Estimated Rates of Intragametophytic Selfing in Lycopods. American Journal of Botany, 1988, 75, 248.	1.7	16
291	Molecular phylogeny ofTragopogonL. (Asteraceae) based on seven nuclear loci (Adh, GapC,) Tj ETQq1 1 0.784314 rgBT /Ov	0.3	15
292	Breeding System of the Fern Dryopteris expansa: Evidence for Mixed Mating. American Journal of Botany, 1987, 74, 504.	1.7	15
293	Monophyly and Generic Relationships of Polemoniaceae Based on matK Sequences. American Journal of Botany, 1996, 83, 1207.	1.7	15
294	Phylogenetic analysis ofEremosyne pectinata (Saxifragaceae s. l.) based onrbcL sequence data. Plant Systematics and Evolution, 1997, 204, 225-232.	0.9	14
295	Phylogenetic relationships in Ribes (Grossulariaceae) inferred from ITS sequence data. Taxon, 2003, 52, 51-66.	0.7	14
296	New chromosome counts and evidence of polyploidy in Haageocereus and related genera in tribe Trichocereeae and other tribes of Cactaceae. Brittonia, 2007, 59, 290-297.	0.2	14
297	Genetic Variation and Population Structure in the Fern Blechnum spicant (Blechnaceae) from Western North America. American Journal of Botany, 1988, 75, 37.	1.7	14
298	Patterns of Genetic Variation in Salix Section Longifoliae (Salicaceae). American Journal of Botany, 1991, 78, 855.	1.7	14
299	Phylogenetic Relationships Between Juncaceae and Cyperaceae: Insights from rbcL Sequence Data. American Journal of Botany, 1995, 82, 520.	1.7	14
300	ELECTROPHORETIC EVIDENCE FOR GENETIC DIPLOIDY IN PSILOTUM NUDUM. American Journal of Botany, 1988, 75, 1667-1671.	1.7	13
301	Breeding Systems of Three Tree Ferns: Alsophila firma (Cyatheaceae), Cyathea stipularis (Cyatheaceae), and Lophosoria quadripinnata (Lophosoriaceae). Plant Species Biology, 1991, 6, 19-25.	1.0	13
302	Tragopogon lainzii a New Species of Tragopogon (Asteraceae) Segregated from T. dubius: Evidence from Morphological and Molecular Data. Systematic Botany, 2011, 36, 470-480.	0.5	13
303	AGL6-like MADS-box genes are sister to AGL2-like MADS-box genes. Journal of Plant Biology, 2013, 56, 315-325.	2.1	13
304	The influence of habitat on the evolution of plants: a case study across Saxifragales. Annals of Botany, 2016, 118, 1317-1328.	2.9	13
305	Are microsatellite fragment lengths useful for populationâ€level studies? The case of Polygala lewtonii (Polygalaceae). Applications in Plant Sciences, 2016, 4, 1500115.	2.1	13
306	Temporal and spatial comparisons of angiosperm diversity between eastern Asia and North America. National Science Review, 2022, 9, .	9.5	13

#	Article	IF	Citations
307	Genetic Variation in the Epiphytes Tillandsia ionantha and T. recurvata (Bromeliaceae). American Journal of Botany, 1987, 74, 531.	1.7	12
308	A new, simple, highly scalable, and efficient protocol for genomic DNA extraction from diverse plant taxa. Applications in Plant Sciences, 2021, 9, e11413.	2.1	12
309	Are Lycopods with High Chromosome Numbers Ancient Polyploids?. American Journal of Botany, 1988, 75, 238.	1.7	12
310	MATING SYSTEM AND DISTRIBUTION OF GENETIC VARIATION IN GYMNOCARPIUM DRYOPTERIS SSP. DISJUNCTUM. American Journal of Botany, 1990, 77, 1101-1110.	1.7	11
311	Molecular data reveal that the tetraploidTragopogon kashmirianus(Asteraceae: Lactuceae) is distinct from the North AmericanT. mirus. Botanical Journal of the Linnean Society, 2008, 158, 391-398.	1.6	11
312	Ribosomal RNA genes evolution in Tragopogon: A story of New and Old World allotetraploids and the synthetic lines. Taxon, 2011, 60, 348-354.	0.7	11
313	Karyotypic variation and pollen stainability in resynthesized allopolyploids Tragopogon miscellus and T. mirus. American Journal of Botany, 2017, 104, 1484-1492.	1.7	11
314	Evolutionary insights from comparative transcriptome and transcriptome-wide coalescence analyses in Tetrastigma hemsleyanum. BMC Plant Biology, 2018, 18, 208.	3.6	11
315	Habitat Shape Affects Polyploid Establishment in a Spatial, Stochastic Model. Frontiers in Plant Science, 2020, 11, 592356.	3.6	11
316	Evolution of environmental stress responses in plants. Plant, Cell and Environment, 2020, 43, 2827-2831.	5.7	11
317	An Intergeneric Hybrid in the Saxifragaceae: Evidence from Ribosomal RNA Genes. American Journal of Botany, 1985, 72, 1388.	1.7	11
318	Genotypic Variation in Agamospermous Erigeron compositus (Asteraceae). American Journal of Botany, 1996, 83, 1292.	1.7	11
319	A case of mistaken identity, Opuntia abjecta, long-lost in synonymy under the Caribbean species, O. triacantha, and a reassessment of the enigmatic O. cubensis. Brittonia, 2014, 66, 118-130.	0.2	10
320	Genetic relationships and polyploid origins in the Lippia alba complex. American Journal of Botany, 2020, 107, 466-476.	1.7	10
321	Biogeography and habitat evolution of Saxifragaceae, with a revision of generic limits and a new tribal system. Taxon, 2021, 70, 263-285.	0.7	10
322	A two-locus model for the joint estimation of intergametophytic and intragametophytic selfing rates. Heredity, 1990, 65, 289-296.	2.6	9
323	Population Genetic Structure in Cheilanthes gracillima. American Journal of Botany, 1989, 76, 1114.	1.7	9
324	AN EXAMINATION OF POLYPLOIDY AND PUTATIVE INTROGRESSION IN CALOCHORTUS SUBSECTION NUDI (LILIACEAE). American Journal of Botany, 1990, 77, 1519-1531.	1.7	8

#	Article	IF	Citations
325	Changing ecological communities along an elevation gradient in seasonally dry tropical forest on Hispaniola (Sierra MartÃn GarcÃa, Dominican Republic). Biotropica, 2019, 51, 802-816.	1.6	8
326	Genetic Divergence and Isozyme Number Variation Among Four Varieties of Allium douglasii (Alliaceae). American Journal of Botany, 1987, 74, 1614.	1.7	7
327	Keep the DNA rolling: Multiple Displacement Amplification of archival plant DNA extracts. Taxon, 2008, 57, 944.	0.7	7
328	Optical Sectioning and 3D Reconstructions as an Alternative to Scanning Electron Microscopy for Analysis of Cell Shape. Applications in Plant Sciences, 2015, 3, 1400112.	2.1	7
329	Global versus Chinese perspectives on the phylogeny of the Nâ€fixing clade. Journal of Systematics and Evolution, 2016, 54, 392-399.	3.1	7
330	The Tree of Life: China project. Journal of Systematics and Evolution, 2016, 54, 273-276.	3.1	7
331	Informal multimedia biodiversity awareness event as a digital ecology for promoting culture of science. Education and Information Technologies, 2020, 25, 3275-3297.	5.7	7
332	Is the age of plant communities predicted by the age, stability and soil composition of the underlying landscapes? An investigation of OCBILs. Biological Journal of the Linnean Society, 2021, 133, 297-316.	1.6	7
333	An Electrophoretic Investigation of Intragametophytic Selfing in Equisetum arvense. American Journal of Botany, 1988, 75, 231.	1.7	7
334	Climatic niche comparisons of eastern North American and eastern Asian disjunct plant genera. Global Ecology and Biogeography, 2022, 31, 1290-1302.	5.8	7
335	SUPERNUMERARY CHROMOSOMES IN SAXIFRAGA VIRGINIENSIS (SAXIFRAGACEAE). American Journal of Botany, 1983, 70, 1007-1010.	1.7	6
336	Estimates of Intragametophytic Selfing and Interpopulational Gene Flow in Homosporous Ferns. American Journal of Botany, 1988, 75, 1765.	1.7	6
337	Contemporary and future studies in plant speciation, morphological/floral evolution and polyploidy: honouring the scientific contributions of Leslie D. Gottlieb to plant evolutionary biology. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130341.	4.0	6
338	250 years of hybridization between two biennial herb species without speciation. AoB PLANTS, 2015, 7, plv081.	2.3	6
339	Population genetics, speciation, and hybridization in Dicerandra (Lamiaceae), a North American Coastal Plain endemic, and implications for conservation. Conservation Genetics, 2019, 20, 531-543.	1.5	6
340	Genetic insights into the evolution of genera with the eastern Asiaâ€“eastern North America floristic disjunction: a transcriptomics analysis. American Journal of Botany, 2020, 107, 1736-1748.	1.7	6
341	A cryptic taxon rather than a hybrid species of Tragopogon (Asteraceae) from the Czech Republic. Kew Bulletin, 2013, 68, 133-141.	0.9	5
342	Origin and evolution of a gibberellinâ€deactivating enzyme GAMT. Plant Direct, 2020, 4, e00287.	1.9	5

#	Article	IF	Citations
343	Electrophoretic Evidence for Genetic Diploidy in Psilotum nudum. American Journal of Botany, 1988, 75, 1667.	1.7	5
344	Genetic Relationships and Patterns of Allozymic Divergence in the Ipomopsis aggregata Complex and Related Species (Polemoniaceae). American Journal of Botany, 1991, 78, 515.	1.7	5
345	Cytogeography of Callisia section Cuthbertia (Commelinaceae). Comparative Cytogenetics, 2017, 11, 553-577.	0.8	5
346	Diversification in the Arctic: Biogeography and Systematics of the North AmericanMicranthes(Saxifragaceae). Systematic Botany, 2020, 45, 802-811.	0.5	5
347	Endemism, projected climate change, and identifying species of critical concern in the Scrub Mint clade (Lamiaceae). Conservation Science and Practice, 2022, 4, .	2.0	5
348	Tragopogon dubius: Multiple introductions to North America and the formation of the New World tetraploids. Taxon, 2022, 71, 1287-1298.	0.7	5
349	Linking genome signatures of selection and adaptation in non-model plants: exploring potential and limitations in the angiosperm Amborella. Current Opinion in Plant Biology, 2018, 42, 81-89.	7.1	4
350	Noise does not equal bias in assessing the evolutionary history of the angiosperm flora of China: A response to Qian (2019). Journal of Biogeography, 2020, 47, 2286-2291.	3.0	4
351	Contrasting patterns of phylogenetic diversity and alpine specialization across the alpine flora of the American mountain range system. Alpine Botany, 2022, 132, 107-122.	2.4	4
352	Phylogenomic analysis ofTibouchina s.s.(Melastomataceae) highlights the evolutionary complexity of Neotropical savannas. Botanical Journal of the Linnean Society, 2022, 199, 372-411.	1.6	4
353	A Revision of Sullivantia (Saxifragaceae). Brittonia, 1991, 43, 27.	0.2	3
354	Simple phylogenetic tree searches easily â€œsucceedâ€•with large matrices of single genes. Taxon, 2006, 55, 573-578.	0.7	3
355	Zanne et al. reply. Nature, 2015, 521, E6-E7.	27.8	3
356	Examination of Reticulate Evolution Involving Haageocereus and Espostoa. Haseltonia, 2021, 27, .	0.5	3
357	Trajectories of Homoeolog-Specific Expression in Allotetraploid Tragopogon castellanus Populations of Independent Origins. Frontiers in Plant Science, 2021, 12, 679047.	3.6	3
358	An Examination of Polyploidy and Putative Introgression in Calochortus Subsection Nudi (Liliaceae). American Journal of Botany, 1990, 77, 1519.	1.7	3
359	Utility of Amborellatrichopoda and Nupharadvena expressed sequence tags for comparative sequence analysis. Taxon, 2008, 57, 1110.	0.7	2
360	Phylogenetic relationships of Coreanomecon (Papaveraceae: Chelidonioideae) inferred from seed morphology and nrITS sequence data. Nordic Journal of Botany, 2019, 37, .	0.5	2

#	Article	IF	Citations
361	Mating System and Distribution of Genetic Variation in Gymnocarpium dryopteris ssp. Disjunctum. American Journal of Botany, 1990, 77, 1101.	1.7	2
362	RECONSTRUCTING THE TREE OF LIFE: TAXONOMY AND SYSTEMATICS OF SPECIES RICH TAXA. Evolution; International Journal of Organic Evolution, 2007, 61, 3007-3011.	2.3	1
363	Floral flexibility: Diversification of the flower. Nature Plants, 2016, 2, 15211.	9.3	1
364	My-Plant.org: A phylogenetically structured social network. , 2010, , .		0
365	Polyploidy and mutation in Arabidopsis. Evolution; International Journal of Organic Evolution, 2021, 75, 2299-2308.	2.3	0