Jeffrey D Palmer

List of Publications by Year
in descending order

214 papers	37,653 citations	2309 101 h-index	3688 186 g-index
216 all docs	216 docs citations	216 times ranked	20112 citing authors

#	ARTICLE	IF	CITATIONS
1	Horizontal gene transfers dominate the functional mitochondrial gene space of a holoparasitic plant. New Phytologist, 2021, 229, 1701-1714.	3.5	23
2	Organellomic data sets confirm a cryptic consensus on (unrooted) landâ€plant relationships and provide new insights into bryophyte molecular evolution. American Journal of Botany, 2020, 107, 91-115.	0.8	38
3	Novel genetic code and record-setting AT-richness in the highly reduced plastid genome of the holoparasitic plant <i>Balanophora</i>. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 934-943.	3.3	66
4	High and Variable Rates of Repeat-Mediated Mitochondrial Genome Rearrangement in a Genus of Plants. Molecular Biology and Evolution, 2018, 35, 2773-2785.	3.5	60
5	Mitochondrial Retroprocessing Promoted Functional Transfers of rpl5 to the Nucleus in Grasses. Molecular Biology and Evolution, 2017, 34, 2340-2354.	3.5	22
6	Comparative mitogenomics indicates respiratory competence inÂparasitic Viscum despiteÂloss of complex IÂand extreme sequenceÂdivergence, and reveals horizontal gene transfer and remarkableÂvariation in genome size. BMC Plant Biology, 2017, 17, 49.	1.6	52
7	<i>Ginkgo</i>and<i>Welwitschia</i>Mitogenomes Reveal Extreme Contrasts in Gymnosperm Mitochondrial Evolution. Molecular Biology and Evolution, 2016, 33, 1448-1460.	3.5	151
8	Homologous recombination and retention of a single form of most genes shape the highly chimeric mitochondrial genome of a cybrid plant. New Phytologist, 2015, 206, 381-396.	3.5	49
9	The Complete Moss Mitochondrial Genome in the Angiosperm Amborella Is a Chimera Derived from Two Moss Whole-Genome Transfers. PLoS ONE, 2015, 10, e0137532.	1.1	15
10	Miniaturized mitogenome of the parasitic plant <i>Viscum scurruloideum</i> is extremely divergent and dynamic and has lost all <i>nad</i> genes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3515-24.	3.3	254
11	The â€œfossilizedâ€• mitochondrial genome of Liriodendron tulipifera: ancestral gene content and order, ancestral editing sites, and extraordinarily low mutation rate. BMC Biology, 2013, 11, 29.	1.7	199
12	Unique role for translation initiation factor 3 in the light color regulation of photosynthetic gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16253-16258.	3.3	31
13	The <i>Amborella</i> Genome and the Evolution of Flowering Plants. Science, 2013, 342, 1241089.	6.0	743
14	Horizontal Transfer of Entire Genomes via Mitochondrial Fusion in the Angiosperm <i>Amborella</i>. Science, 2013, 342, 1468-1473.	6.0	322
15	Chloroplast phylogeny of <i>Cucurbita</i>: Evolution of the domesticated and wild species. Journal of Systematics and Evolution, 2013, 51, 326-334.	1.6	26
16	Recent Acceleration of Plastid Sequence and Structural Evolution Coincides with Extreme Mitochondrial Divergence in the Angiosperm Genus Silene. Genome Biology and Evolution, 2012, 4, 294-306.	1.1	111
17	Rapid Evolution of Enormous, Multichromosomal Genomes in Flowering Plant Mitochondria with Exceptionally High Mutation Rates. PLoS Biology, 2012, 10, e1001241.	2.6	480
18	Multiple recent horizontal transfers of the cox1intron in Solanaceae and extended co-conversion of flanking exons. BMC Evolutionary Biology, 2011, 11, 277.	3.2	50

#	Article	IF	Citations
19	HGT turbulence. Mobile Genetic Elements, 2011, 1, 256-304.	1.8	20
20	Origins and Recombination of the Bacterial-Sized Multichromosomal Mitochondrial Genome of Cucumber. Plant Cell, 2011, 23, 2499-2513.	3.1	266
21	The Mitochondrial Genome of the Legume Vigna radiata and the Analysis of Recombination across Short Mitochondrial Repeats. PLoS ONE, 2011, 6, e16404.	1.1	148
22	Extensive loss of translational genes in the structurally dynamic mitochondrial genome of the angiosperm Silene latifolia. BMC Evolutionary Biology, 2010, 10, 274.	3.2	101
23	Horizontal acquisition of multiple mitochondrial genes from a parasitic plant followed by gene conversion with host mitochondrial genes. BMC Biology, 2010, 8, 150.	1.7	104
24	Extensive Loss of RNA Editing Sites in Rapidly Evolving Silene Mitochondrial Genomes: Selection<i>vs</i>. Retroprocessing as the Driving Force. Genetics, 2010, 185, 1369-1380.	1.2	93
25	Localized hypermutation and associated gene losses in legume chloroplast genomes. Genome Research, 2010, 20, 1700-1710.	2.4	244
26	Gorgeous mosaic of mitochondrial genes created by horizontal transfer and gene conversion. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21576-21581.	3.3	88
27	Insights into the Evolution of Mitochondrial Genome Size from Complete Sequences of Citrullus lanatus and Cucurbita pepo (Cucurbitaceae). Molecular Biology and Evolution, 2010, 27, 1436-1448.	3.5	400
28	Fine-scale mergers of chloroplast and mitochondrial genes create functional, transcompartmentally chimeric mitochondrial genes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16728-16733.	3.3	64
29	Relationships Among Phaseoloid Legumes Based on Sequences from Eight Chloroplast Regions. Systematic Botany, 2009, 34, 115-128.	0.2	107
30	The draft genome of the transgenic tropical fruit tree papaya (Carica papaya Linnaeus). Nature, 2008, 452, 991-996.	13.7	964
31	Horizontal gene transfer in eukaryotic evolution. Nature Reviews Genetics, 2008, 9, 605-618.	7.7	1,122
32	The Amborella genome: an evolutionary reference for plant biology. Genome Biology, 2008, 9, 402.	13.9	67
33	Frequent, Phylogenetically Local Horizontal Transfer of the cox1 Group I Intron in Flowering Plant Mitochondria. Molecular Biology and Evolution, 2008, 25, 1762-1777.	3.5	137
34	Extensive variation in synonymous substitution rates in mitochondrial genes of seed plants. BMC Evolutionary Biology, 2007, 7, 135.	3.2	219
35	Cyanobacterial ribosomal RNA genes with multiple, endonuclease-encoding group I introns. BMC Evolutionary Biology, 2007, 7, 159.	3.2	27
36	Horizontal gene transfer in plants. Journal of Experimental Botany, 2006, 58, 1-9.	2.4	300

#	Article	IF	Citations
37	An exceptional horizontal gene transfer in plastids: gene replacement by a distant bacterial paralog and evidence that haptophyte and cryptophyte plastids are sisters. BMC Biology, 2006, 4, 31.	1.7	148
38	Patterns of partial RNA editing in mitochondrial genes of Beta vulgaris. Molecular Genetics and Genomics, 2006, 276, 285-293.	1.0	94
39	Pervasive survival of expressed mitochondrial rps14 pseudogenes in grasses and their relatives for 80 million years following three functional transfers to the nucleus. BMC Evolutionary Biology, 2006, 6, 55.	3.2	37
40	The Complete Chloroplast Genome Sequence of Pelargonium Ã— hortorum: Organization and Evolution of the Largest and Most Highly Rearranged Chloroplast Genome of Land Plants. Molecular Biology and Evolution, 2006, 23, 2175-2190.	3.5	432
41	Evidence from small-subunit ribosomal RNA sequences for a fungal origin of Microsporidia. Molecular Phylogenetics and Evolution, 2005, 36, 606-622.	1.2	44
42	Multiple major increases and decreases in mitochondrial substitution rates in the plant family Geraniaceae. BMC Evolutionary Biology, 2005, 5, 73.	3.2	141
43	Massive horizontal transfer of mitochondrial genes from diverse land plant donors to the basal angiosperm Amborella. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17747-17752.	3.3	240
44	The plant tree of life: an overview and some points of view. American Journal of Botany, 2004, 91, 1437-1445.	0.8	160
45	Mitochondrial substitution rates are extraordinarily elevated and variable in a genus of flowering plants. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17741-17746.	3.3	246
46	Gene transfer from parasitic to host plants. Nature, 2004, 432, 165-166.	13.7	237
47	Long branch attraction, taxon sampling, and the earliest angiosperms: Amborella or monocots?. BMC Evolutionary Biology, 2004, 4, 35.	3.2	124
48	Many Independent Origins of trans Splicing of a Plant Mitochondrial Group II Intron. Journal of Molecular Evolution, 2004, 59, 80-9.	0.8	42
49	Molecular phylogenies of Parabasalia inferred from four protein genes and comparison with rRNA trees. Molecular Phylogenetics and Evolution, 2004, 31, 572-580.	1.2	44
50	Genome-scale data, angiosperm relationships, and â€˜ending incongruenceâ€™: a cautionary tale in phylogenetics. Trends in Plant Science, 2004, 9, 477-483.	4.3	176
51	Phylogenetic analysis reveals five independent transfers of the chloroplast gene rbcL to the mitochondrial genome in angiosperms. Current Genetics, 2003, 43, 131-138.	0.8	65
52	Evolution of mitochondrial gene content: gene loss and transfer to the nucleus. Molecular Phylogenetics and Evolution, 2003, 29, 380-395.	1.2	585
53	THE SYMBIOTIC BIRTH AND SPREAD OF PLASTIDS: HOW MANY TIMES AND WHODUNIT?. Journal of Phycology, 2003, 39, 4-12.	1.0	246
54	Widespread horizontal transfer of mitochondrial genes in flowering plants. Nature, 2003, 424, 197-201.	13.7	433

#	Article	IF	Citations
55	Punctuated evolution of mitochondrial gene content: High and variable rates of mitochondrial gene loss and transfer to the nucleus during angiosperm evolution. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9905-9912.	3.3	364
56	Genes for Two Mitochondrial Ribosomal Proteins in Flowering Plants Are Derived from Their Chloroplast or Cytosolic Counterparts. Plant Cell, 2002, 14, 931-943.	3.1	108
57	Gene transfer from mitochondrion to nucleus: novel mechanisms for gene activation from Cox2. Plant Journal, 2002, 30, 11-21.	2.8	51
58	Mitochondrial Gene Transfer in Pieces: Fission of the Ribosomal Protein Gene rpl2 and Partial or Complete Gene Transfer to the Nucleus. Molecular Biology and Evolution, 2001, 18, 2289-2297.	3.5	63
59	The Evolutionary Split of Pinaceae from Other Conifers: Evidence from an Intron Loss and a Multigene Phylogeny. Molecular Phylogenetics and Evolution, 2001, 21, 167-175.	1.2	96
60	Many Parallel Losses of infA from Chloroplast DNA during Angiosperm Evolution with Multiple Independent Transfers to the Nucleus. Plant Cell, 2001, 13, 645.	3.1	10
61	Many Parallel Losses of infA from Chloroplast DNA during Angiosperm Evolution with Multiple Independent Transfers to the Nucleus. Plant Cell, 2001, 13, 645-658.	3.1	415
62	Multiple Losses and Transfers to the Nucleus of Two Mitochondrial Succinate Dehydrogenase Genes During Angiosperm Evolution. Genetics, 2001, 158, 1289-1300.	1.2	93
63	Multigene Phylogeny of Land Plants with Special Reference to Bryophytes and the Earliest Land Plants. Molecular Biology and Evolution, 2000, 17, 1885-1895.	3.5	225
64	A single birth of all plastids?. Nature, 2000, 405, 32-33.	13.7	55
65	Parabasalian flagellates are ancient eukaryotes. Nature, 2000, 405, 635-637.	13.7	93
66	Repeated, recent and diverse transfers of a mitochondrial gene to the nucleus in flowering plants. Nature, 2000, 408, 354-357.	13.7	210
67	The cyanobacterial origin and vertical transmission of the plastid tRNA Leu group-I intron. Current Genetics, 2000, 37, 12-23.	0.8	62
68	Seed plant phylogeny inferred from all three plant genomes: Monophyly of extant gymnosperms and origin of Gnetales from conifers. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 4086-4091.	3.3	408
69	Evidence from Beta-Tubulin Phylogeny that Microsporidia Evolved from Within the Fungi. Molecular Biology and Evolution, 2000, 17, 23-31.	3.5	299
70	Dynamic evolution of plant mitochondrial genomes: Mobile genes and introns and highly variable mutation rates. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6960-6966.	3.3	291
71	The chloroplast genome arrangement ofLobelia thuliniana (Lobeliaceae): Expansion of the inverted repeat in an ancestor of theCampanulales. Plant Systematics and Evolution, 1999, 214, 49-64.	0.3	43
72	Shikimate pathway in apicomplexan parasites. Nature, 1999, 397, 219-220.	13.7	91

#	Article	IF	Citations
73	Investigating Deep Phylogenetic Relationships among Cyanobacteria and Plastids by Small Subunit rRNA Sequence Analysis. Journal of Eukaryotic Microbiology, 1999, 46, 327-338.	0.8	1,263
74	Multigene analyses identify the three earliest lineages of extant flowering plants. Current Biology, 1999, 9, 1485-1491.	1.8	217
75	Intracellular gene transfer in action: Dual transcription and multiple silencings of nuclear and mitochondrial cox2 genes in legumes. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13863-13868.	3.3	139
76	Phylogeny of early land plants: insights from genes and genomes. Trends in Plant Science, 1999, 4, 26-30.	4.3	161
77	The gain of three mitochondrial introns identifies liverworts as the earliest land plants. Nature, 1998, 394, 671-674.	13.7	325
78	Explosive invasion of plant mitochondria by a group I intron. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 14244-14249.	3.3	268
79	Chloroplast DNA Evidence on the Origin and Radiation of the Giant Lobelias in Eastern Africa. Systematic Botany, 1998, 23, 109.	0.2	54
80	The Origin and Evolution of Plastids and Their Genomes. , 1998, , 375-409.		48
81	Intron "sliding" and the diversity of intron positions. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 10739-10744.	3.3	156
82	Implications for the Phylogeny, Classification, and Biogeography of Solanum from cpDNA Restriction Site Variation. Systematic Botany, 1997, 22, 19.	0.2	110
83	The origin of plastids and their spread via secondary symbiosis. Plant Systematics and Evolution Supplementum = Entwicklungsgeschichte Und Systematik Der Pflanzen Supplementum, 1997, , 53-86.	1.5	123
84	Organelle Genomes--Going, Going, Gone!. Science, 1997, 275, 790-790.	6.0	104
85	The mitochondrion that time forgot. Nature, 1997, 387, 454-455.	13.7	40
86	A Plastid of Probable Green Algal Origin in Apicomplexan Parasites. Science, 1997, 275, 1485-1489.	6.0	726
87	Isolation and characterization of rad51 orthologs from Coprinus cinereus and Lycopersicon esculentum, and phylogenetic analysis of eukaryotic recA homologs. Current Genetics, 1997, 31, 144-157.	0.8	89
88	The highly rearranged chloroplast genome of Trachelium caeruleum (Campanulaceae): multiple inversions, inverted repeat expansion and contraction, transposition, insertions/deletions, and several repeat families. Current Genetics, 1997, 31, 419-429.	0.8	153
89	Mergers of Botany and Biology Departments. Science, 1997, 276, 181-185.	6.0	0
90	Rampant horizontal transfer and duplication of rubisco genes in eubacteria and plastids. Molecular Biology and Evolution, 1996, 13, 873-882.	3.5	293

#	Article	IF	Citations
91	Perspectives on archaeal diversity, thermophily and monophyly from environmental rRNA sequences.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 9188-9193.	3.3	622
92	The root of the universal tree and the origin of eukaryotes based on elongation factor phylogeny.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 7749-7754.	3.3	250
93	Rubisco Surprises in Dinoflagellates. Plant Cell, 1996, 8, 343.	3.1	4
94	Phylogenetic Perspective on Microbial Life in Hydrothermal Ecosystems, Past and Present. Novartis Foundation Symposium, 1996, 202, 24-39.	1.2	6
95	Rubisco rules fall; gene transfer triumphs. BioEssays, 1995, 17, 1005-1008.	1.2	35
96	Phylogenetic Analysis of tufA Sequences Indicates a Cyanobacterial Origin of All Plastids. Molecular Phylogenetics and Evolution, 1995, 4, 110-128.	1.2	127
97	Isolation, expression, and evolution of the gene encoding mitochondrial elongation factor Tu in Arabidopsis thaliana. Plant Molecular Biology, 1995, 29, 1057-1070.	2.0	22
98	Transcription, splicing and editing of plastid RNAs in the nonphotosynthetic plant Epifagus virginiana. Plant Molecular Biology, 1995, 29, 721-733.	2.0	94
99	The origin of D endrosenecio within the Senecioneae (Asteraceae) based on chloroplastDNA EVIDENCE. American Journal of Botany, 1995, 82, 1567-1573.	0.8	36
100	Multiple Independent Losses of Two Genes and One Intron from Legume Chloroplast Genomes. Systematic Botany, 1995, 20, 272.	0.2	125
101	The origin of Dendrosenecio within the Senecioneae (Asteraceae) based on chloroplastDNA EVIDENCE. , 1995, 82, 1567.		14
102	Chloroplast DNA systematics: a review of methods and data analysis. American Journal of Botany, 1994, 81, 1205-1224.	0.8	480
103	A Chloroplast DNA Phylogeny of the Caryophyllales Based on Structural and Inverted Repeat Restriction Site Variation. Systematic Botany, 1994, 19, 236.	0.2	84
104	Structure and evolution of the largest chloroplast gene (ORF2280): internal plasticity and multiple gene loss during angiosperm evolution. Current Genetics, 1994, 25, 367-378.	0.8	45
105	Origin of intronsâ€“early or late?. Nature, 1994, 369, 526-526.	13.7	56
106	Phylogenetic Relationships in Anemone (Ranunculaceae) Based on Morphology and Chloroplast DNA. Systematic Botany, 1994, 19, 169.	0.2	72
107	Phylogenetic Relationships Using Restriction Site Variation of the Chloroplast DNA Inverted Repeat. , 1994, , 223-233.		11
108	Chloroplast DNA systematics: a review of methods and data analysis. , 1994, 81, 1205.		213

#	Article	IF	Citations
109	Characterization of the Brassica campestris mitochondrial gene for subunit six of NADH dehydrogenase: nad6 is present in the mitochondrion of a wide range of flowering plants. Current Genetics, 1993, 23, 148-153.	0.8	16
110	A genetic rainbow of plastids. Nature, 1993, 364, 762-763.	13.7	45
111	A Parsimony Analysis of the Asteridae Sensu Lato Based on rbcL Sequences. Annals of the Missouri Botanical Garden, 1993, 80, 700.	1.3	315
112	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
113	Phylogenetic Relationships of the Geraniaceae and Geraniales from rbcL Sequence Comparisons. Annals of the Missouri Botanical Garden, 1993, 80, 661.	1.3	92
114	Interfamilial Relationships of the Asteraceae: Insights from rbcL Sequence Variation. Annals of the Missouri Botanical Garden, 1993, 80, 742.	1.3	47
115	Nucleotide Sequences of the rbcL Gene Indicate Monophyly of Mustard Oil Plants. Annals of the Missouri Botanical Garden, 1993, 80, 686.	1.3	126
116	Animals and fungi are each other's closest relatives: congruent evidence from multiple proteins.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 11558-11562.	3.3	526
117	Monophyly of the Asteridae and Identification of Their Major Lineages Inferred From DNA Sequences of rbcL. Annals of the Missouri Botanical Garden, 1992, 79, 249.	1.3	389
118	Phylogenetic Implications of rbcL Sequence Variation in the Asteraceae. Annals of the Missouri Botanical Garden, 1992, 79, 428.	1.3	101
119	Organelle DNA isolation and RFLP analysis. , 1992, , 35-53.		4
120	Phylogenetic Relationships of Dipsacales Based on rbcL Sequences. Annals of the Missouri Botanical Garden, 1992, 79, 333.	1.3	592
121	Restriction Site Mapping of the Chloroplast DNA Inverted Repeat: A Molecular Phylogeny of the Asteridae. Annals of the Missouri Botanical Garden, 1992, 79, 266.	1.3	123
122	Function and evolution of a minimal plastid genome from a nonphotosynthetic parasitic plant.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 10648-10652.	3.3	559
123	Mitochondrial DNA in Plant Systematics: Applications and Limitations. , 1992, , 36-49.		137
124	Small single-copy region of plastid DNA in the non-photosynthetic angiosperm Epifagus virginiana contains only two genes. Journal of Molecular Biology, 1992, 223, 95-104.	2.0	30
125	Large size and complex structure of mitochondrial DNA in two nonflowering land plants. Current Genetics, 1992, 21, 125-129.	0.8	25
126	Variable intron content of the NADH dehydrogenase subunit 4 gene of plant mitochondria. Current Genetics, 1992, 21, 423-430.	0.8	34

#	Article	IF	Citations
127	Evolution of the plastid ribosomal RNA operon in a nongreen parasitic plant: Accelerated sequence evolution, altered promoter structure, and tRNA pseudogenes. Plant Molecular Biology, 1992, 18, 1037-1048.	2.0	32
128	Rapid evolution of the plastid translational apparatus in a nonphotosynthetic plant: Loss or accelerated sequence evolution of tRNA and ribosomal protein genes. Journal of Molecular Evolution, 1992, 35, 304-317.	0.8	151
129	Gene phylogenies and the endosymbiotic origin of plastids. BioSystems, 1992, 28, 75-90.	0.9	137
130	A Chloroplast DNA Phylogeny of the Solanaceae: Subfamilial Relationships and Character Evolution. Annals of the Missouri Botanical Garden, 1992, 79, 346.	1.3	180
131	Green ancestry of malarial parasites?. Current Biology, 1992, 2, 318-320.	1.8	48
132	ORGANIZATION OF THE CHLOROPLAST GENOME OF THE FRESHWATER CENTRIC DIATOM CYCLOTELLA MENEGHINIANA1. Journal of Phycology, 1992, 28, 347-355.	1.0	22
133	A review of the phylogeny and classification of the Asteraceae. Nordic Journal of Botany, 1992, 12, 141-148.	0.2	47
134	Chloroplast DNA Variation in the Asteraceae: Phylogenetic and Evolutionary Implications. , 1992, , 252-279.		40
135	Chloroplast DNA Restriction Site Variation and the Evolution of the Annual Habit in North American Coreopsis (Asteraceae). , 1992, , 280-294.		6
136	Floral Morphology and Chromosome Number in Subtribe Oncidiinae (Orchidaceae): Evolutionary Insights From a Phylogenetic Analysis of Chloroplast DNA Restriction Site Variation. , 1992, , 324-339.		22
137	Use of Chloroplast DNA Rearrangements in Reconstructing Plant Phylogeny. , 1992, , 14-35.		196
138	Comparison of Chloroplast and Mitochondrial Genome Evolution in Plants. Plant Gene Research, 1992, , 99-133.	0.4	69
139	Ins and outs of plastid genome evolution. Current Opinion in Genetics and Development, 1991, 1, 523-529.	1.5	27
140	RNA-mediated transfer of the gene coxII from the mitochondrion to the nucleus during flowering plant evolution. Cell, 1991, 66, 473-481.	13.5	374
141	The recent origins of introns. Current Opinion in Genetics and Development, 1991, 1, 470-477.	1.5	256
142	Chloroplast DNA Restriction Site Variation, Phylogenetic Relationships, and Character Evolution Among Sections of North Americn Coreopsis (Asteraceae). Systematic Botany, 1991, 16, 211.	0.2	12
143	SIX INDEPENDENT LOSSES OF THE CHLOROPLAST DNA<i>rpl</i>2 INTRON IN DICOTYLEDONS: MOLECULAR AND PHYLOGENETIC IMPLICATIONS. Evolution; International Journal of Organic Evolution, 1991, 45, 1245-1259.	1.1	121
144	Phylogeny and Character Evolution in the Asteraceae Based on Chloroplast DNA Restriction Site Mapping. Systematic Botany, 1991, 16, 98.	0.2	103

#	Article	IF	Citations
145	Patterns of mitochondrial DNA instability in Brassica campestris cultured cells. Plant Molecular Biology, 1991, 16, 21-37.	2.0	50
146	Lack of a functional plastid tRNACys gene is associated with loss of photosynthesis in a lineage of parasitic plants. Current Genetics, 1991, 20, 515-518.	0.8	18
147	The role of coxI-associated repeated sequences in plant mitochondrial DNA rearrangements and radish cytoplasmic male sterility. Current Genetics, 1991, 19, 183-190.	0.8	47
148	Plastid Chromosomes: Structure and Evolution. , 1991, , 5-53.		249
149	Six Independent Losses of the Chloroplast DNA rpl2 Intron in Dicotyledons: Molecular and Phylogenetic Implications. Evolution; International Journal of Organic Evolution, 1991, 45, 1245.	1.1	75
150	PHYLOGENETIC ANALYSIS OF CHLOROPLAST DNA RESTRICTION SITE DATA AT HIGHER TAXONOMIC LEVELS: AN EXAMPLE FROM THE ASTERACEAE. Evolution; International Journal of Organic Evolution, 1990, 44, 2089-2105.	1.1	96
151	EVOLUTIONARY SIGNIFICANCE OF THE LOSS OF THE CHLOROPLASTâ€DNA INVERTED REPEAT IN THE LEGUMINOSAE SUBFAMILY PAPILIONOIDEAE. Evolution; International Journal of Organic Evolution, 1990, 44, 390-402.	1.1	180
152	The gain of two chloroplast tRNA introns marks the green algal ancestors of land plants. Nature, 1990, 345, 268-270.	13.7	148
153	Loss of photosynthetic and chlororespiratory genes from the plastid genome of a parasitic flowering plant. Nature, 1990, 348, 337-339.	13.7	308
154	UNIQUE CHLOROPLAST GENOME IN SPIROGYRA MAXIMA (CHLOROPHYTA) REVEALED BY PHYSICAL AND GENE MAPPING1. Journal of Phycology, 1990, 26, 490-494.	1.0	37
155	Contrasting modes and tempos of genome evolution in land plant organelles. Trends in Genetics, 1990, 6, 115-120.	2.9	251
156	Characterization of radish mitochondrial atpA: influence of nuclear background on transcription of atpA-associated sequences and relationship with male sterility. Plant Molecular Biology, 1990, 15, 735-746.	2.0	62
157	CHLOROPLAST DNA RESTRICTION SITE VARIATION AND THE PHYLOGENY OF COREOPSIS SECTION COREOPSIS (ASTERACEAE). American Journal of Botany, 1990, 77, 552-558.	0.8	23
158	An ancient group I intron shared by eubacteria and chloroplasts. Science, 1990, 250, 1570-1573.	6.0	277
159	Phylogenetic Analysis of Chloroplast DNA Restriction Site Data at Higher Taxonomic Levels: An Example from the Asteraceae. Evolution; International Journal of Organic Evolution, 1990, 44, 2089.	1.1	22
160	A Chloroplast DNA Inversion as a Subtribal Character in the Phaseoleae (Leguminosae). Systematic Botany, 1990, 15, 378.	0.2	79
161	Evolutionary transfer of the chloroplast tufA gene to the nucleus. Nature, 1990, 344, 262-265.	13.7	227
162	Evolutionary Significance of the Loss of the Chloroplast-DNA Inverted Repeat in the Leguminosae Subfamily Papilionoideae. Evolution; International Journal of Organic Evolution, 1990, 44, 390.	1.1	66

#	Article	IF	Citations
163	An Evolutionary Genetic Approach to Understanding Plastid Gene Function: Lessons from Photosynthetic and Nonphotosynthetic Plants. , 1990, , 2381-2388.		1
164	Chloroplast DNA and Phylogenetic Studies in the Asteridae. , 1990, , 119-134.		11
165	CHLOROPLAST DNA RESTRICTION SITE VARIATION AND THE PHYLOGENY OF COREOPSIS SECTION COREOPSIS (ASTERACEAE). , 1990, 77, 552.		8
166	CHLOROPLAST DNA SYSTEMATICS OF LILIOID MONOCOTS: RESOURCES, FEASIBILITY, AND AN EXAMPLE FROM THE ORCHIDACEAE. American Journal of Botany, 1989, 76, 1720-1730.	0.8	51
167	Evolution of mushroom mitochondrial DNA:Suillus and related genera. Journal of Molecular Evolution, 1989, 28, 349-362.	0.8	51
168	Unusual characteristics of Codium fragile chloroplast DNA revealed by physical and gene mapping. Molecular Genetics and Genomics, 1989, 216, 417-421.	2.4	51
169	Heteroplasmy of chloroplast DNA in Medicago. Plant Molecular Biology, 1989, 12, 3-11.	2.0	55
170	Accelerated evolution of a false-truffle from a mushroom ancestor. Nature, 1989, 339, 140-142.	13.7	197
171	Chloroplast DNA Systematics of Lilioid Monocots: Resources, Feasibility, and an Example from the Orchidaceae. American Journal of Botany, 1989, 76, 1720.	0.8	30
172	Plant mitochondrial DNA evolved rapidly in structure, but slowly in sequence. Journal of Molecular Evolution, 1988, 28, 87-97.	0.8	638
173	Mitochondrial DNAs of Suillus: three fold size change in molecules that share a common gene order. Current Genetics, 1988, 13, 49-56.	0.8	53
174	Location, identity, amount and serial entry of chloroplast DNA sequences in crucifer mitochondrial DNAs. Current Genetics, 1988, 14, 501-509.	0.8	52
175	Evolutionary significance of inversions in legume chloroplast DNAs. Current Genetics, 1988, 14, 65-74.	0.8	127
176	A transcription map of the pea chloroplast genome. Current Genetics, 1988, 14, 75-89.	0.8	53
177	Chloroplast DNA Variation and Plant Phylogeny. Annals of the Missouri Botanical Garden, 1988, 75, 1180.	1.3	475
178	A Molecular Reexamination of Introgression between Helianthus annuus and H bolanderi (Compositae). Evolution; International Journal of Organic Evolution, 1988, 42, 227.	1.1	44
179	Physical and gene organization of mitochondrial DNA in fertile and male sterile sunflower. CMS-associated alterations in structure and transcription of theatpA gene. Nucleic Acids Research, 1988, 16, 3787-3799.	6.5	142
180	A MOLECULAR REEXAMINATION OF INTROGRESSION BETWEEN <i>HELIANTHUS ANNUUS</i> AND <i>H. BOLANDERI</i> (COMPOSITAE). Evolution; International Journal of Organic Evolution, 1988, 42, 227-238.	1.1	145

#	Article	IF	Citations
181	Chloroplast genomes of two conifers lack a large inverted repeat and are extensively rearranged.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 3898-3902.	3.3	166
182	PHYLOGENETIC IMPLICATIONS OF CHLOROPLAST DNA RESTRICTION SITE VARIATION IN THE MUTISIEAE (ASTERACEAE). American Journal of Botany, 1988, 75, 753-766.	0.8	98
183	PHYLOGENETIC IMPLICATIONS OF CHLOROPLAST DNA RESTRICTION SITE VARIATION IN THE MUTISIEAE (ASTERACEAE). , 1988, 75, 753.		40
184	Extensive mitochondrial specific transcription of theBrassica campestrismitochondrial genome. Nucleic Acids Research, 1987, 15, 5141-5156.	6.5	92
185	Chloroplast DNA Evolution and Biosystematic Uses of Chloroplast DNA Variation. American Naturalist, 1987, 130, S6-S29.	1.0	315
186	Unusual structure of geranium chloroplast DNA: A triple-sized inverted repeat, extensive gene duplications, multiple inversions, and two repeat families. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 769-773.	3.3	149
187	A chloroplast DNA inversion marks an ancient evolutionary split in the sunflower family (Asteraceae). Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 5818-5822.	3.3	303
188	Unicircular structure of the Brassica hirta mitochondrial genome. Current Genetics, 1987, 11, 565-570.	0.8	185
189	Chloroplast DNA evolution among legumes: Loss of a large inverted repeat occurred prior to other sequence rearrangements. Current Genetics, 1987, 11, 275-286.	0.8	206
190	Chloroplast DNA from lettuce and Barnadesia (Asteraceae): structure, gene localization, and characterization of a large inversion. Current Genetics, 1987, 11, 553-564.	0.8	220
191	Isolation and structural analysis of chloroplast DNA. Methods in Enzymology, 1986, 118, 167-186.	0.4	320
192	Conservation of chloroplast genome structure among vascular plants. Current Genetics, 1986, 10, 823-833.	0.8	175
193	Structural evolution and flip-flop recombination of chloroplast DNA in the fern genus Osmunda. Current Genetics, 1986, 10, 835-841.	0.8	82
194	Tripartite mitochondrial genome of spinach: physical structure, mitochondrial gene mapping, and locations of transposed chloroplast DNA sequences. Nucleic Acids Research, 1986, 14, 5651-5666.	6.5	106
195	Tricircular mitochondrial genomes ofBrassicaandRaphanus: reversal of repeat configurations by inversiton. Nucleic Acids Research, 1986, 14, 9755-9764.	6.5	121
196	Chloroplast DNA and molecular phylogeny. BioEssays, 1985, 2, 263-267.	1.2	36
197	Evolution of Chloroplast and Mitochondrial DNA in Plants and Algae. , 1985, , 131-240.		153
198	CHLOROPLAST DNA VARIATION AND EVOLUTION IN PISUM: PATTERNS OF CHANGE AND PHYLOGENETIC ANALYSIS. Genetics, 1985, 109, 195-213.	1.2	204

#	Article	IF	Citations
199	Recombination sequences in plant mitochondrial genomes: diversity and homologies to known mitochondrial genes. Nucleic Acids Research, 1984, 12, 6141-6157.	6.5	78
200	Tripartite structure of the Brassica campestris mitochondrial genome. Nature, 1984, 307, 437-440.	13.7	449
201	Extensive and widespread homologies between mitochondrial DNA and chloroplast DNA in plants. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 1946-1950.	3.3	183
202	Chloroplast DNA exists in two orientations. Nature, 1983, 301, 92-93.	13.7	343
203	An unusual mitochondrial DNA plasmid in the genus Brassica. Nature, 1983, 301, 725-728.	13.7	159
204	Phytochrome control of RNA levels in developing pea and mung-bean leaves. Planta, 1983, 158, 487-500.	1.6	278
205	Chloroplast DNA evolution and the origin of amphidiploid Brassica species. Theoretical and Applied Genetics, 1983, 65, 181-189.	1.8	437
206	Structure and sequence evolution of three legume chloroplast DNAs. Molecular Genetics and Genomics, 1983, 190, 13-19.	2.4	87
207	Physical and gene mapping of chloroplast DNA from Atriplex triangularis and Cucumis sativa. Nucleic Acids Research, 1982, 10, 1593-1605.	6.5	153
208	Novel evolutionary variation in transcription and location of two chloroplast genes. Nucleic Acids Research, 1982, 10, 6819-6832.	6.5	39
209	Chloroplast DNA evolution and phylogenetic relationships in Lycopersicon. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 5006-5010.	3.3	288
210	Chloroplast DNA rearrangements are more frequent when a large inverted repeat sequence is lost. Cell, 1982, 29, 537-550.	13.5	439
211	Chloroplast DNA from the fern Osmunda cinnamomea: physical organization, gene localization and comparison to angiosperm. Current Genetics, 1982, 5, 165-170.	0.8	53
212	Clone banks of the mung bean, pea and spinach chloroplast genomes. Gene, 1981, 15, 21-26.	1.0	76
213	Rearrangements in the chloroplast genomes of mung bean and pea. Proceedings of the National Academy of Sciences of the United States of America, 1981, 78, 5533-5537.	3.3	216
214	Deoxyribonucleic acid sequence organization in the mung bean genome. Biochemistry, 1979, 18, 5259-5266.	1.2	57