Jeffrey L Boore

List of Publications by Year
in descending order

117 papers	30,586 citations	10986 71 h-index	19190 118 g-index
120 all docs	120 docs citations	120 times ranked	23493 citing authors

#	Article	IF	Citations
1	Comparative genomic analysis of vertebrate mitochondrial reveals a differential of rearrangements rate between taxonomic class. Scientific Reports, 2022, 12, 5479.	3.3	13
2	Molluscan mitochondrial genomes break the rules. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200159.	4.0	56
3	Asexuality Associated with Marked Genomic Expansion of Tandemly Repeated rRNA and Histone Genes. Molecular Biology and Evolution, 2021, 38, 3581-3592.	8.9	9
4	Colonization history of Galapagos giant tortoises: Insights from mitogenomes support the progression rule. Journal of Zoological Systematics and Evolutionary Research, 2020, 58, 1262-1275.	1.4	14
5	Gene annotation errors are common in the mammalian mitochondrial genomes database. BMC Genomics, 2019, 20, 73.	2.8	28
6	Radical amino acid mutations persist longer in the absence of sex. Evolution; International Journal of Organic Evolution, 2018, 72, 808-824.	2.3	27
7	Genome Sequence of the Oleaginous Green Alga, Chlorella vulgaris UTEX 395. Frontiers in Bioengineering and Biotechnology, 2018, 6, 37.	4.1	21
8	Genomic evidence for populationâ€specific responses to coâ€evolving parasites in a New Zealand freshwater snail. Molecular Ecology, 2017, 26, 3663-3675.	3.9	32
9	Organellar genomes of the four-toothed moss, Tetraphis pellucida. BMC Genomics, 2014, 15, 383.	2.8	27
10	Horizontal Transfer of Entire Genomes via Mitochondrial Fusion in the Angiosperm Amborella. Science, 2013, 342, 1468-1473.	12.6	322
11	Insights into bilaterian evolution from three spiralian genomes. Nature, 2013, 493, 526-531.	27.8	564
12	The genome of the platyfish, Xiphophorus maculatus, provides insights into evolutionary adaptation and several complex traits. Nature Genetics, 2013, 45, 567-572.	21.4	251
13	Evolutionary history of novel genes on the tammar wallaby Y chromosome: Implications for sex chromosome evolution. Genome Research, 2012, 22, 498-507.	5.5	32
14	Cyanophora paradoxa Genome Elucidates Origin of Photosynthesis in Algae and Plants. Science, 2012, 335, 843-847.	12.6	371
15	Draft genome sequence and genetic transformation of the oleaginous alga Nannochloropsis gaditana. Nature Communications, 2012, 3, 686.	12.8	438
16	Crawling through time: Transition of snails to slugs dating back to the Paleozoic, based on mitochondrial phylogenomics. Marine Genomics, 2011, 4, 51-59.	1.1	52
17	The Monarch Butterfly Genome Yields Insights into Long-Distance Migration. Cell, 2011, 147, 1171-1185.	28.9	509
18	The Ecoresponsive Genome of Daphnia pulex. Science, 2011, 331, 555-561.	12.6	1,086

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19	Divergence in cis-regulatory sequences surrounding the opsin gene arrays of African cichlid fishes. BMC Evolutionary Biology, 2011, 11, 120.	3.2	35
20	Extreme Reconfiguration of Plastid Genomes in the Angiosperm Family Geraniaceae: Rearrangements, Repeats, and Codon Usage. Molecular Biology and Evolution, 2011, 28, 583-600.	8.9	338
21	Ecdysozoan Mitogenomics: Evidence for a Common Origin of the Legged Invertebrates, the Panarthropoda. Genome Biology and Evolution, 2010, 2, 425-440.	2.5	154
22	Implications of the Plastid Genome Sequence of Typha (Typhaceae, Poales) for Understanding Genome Evolution in Poaceae. Journal of Molecular Evolution, 2010, 70, 149-166.	1.8	196
23	Complete plastome sequences of Equisetum arvense and Isoetes flaccida: implications for phylogeny and plastid genome evolution of early land plant lineages. BMC Evolutionary Biology, 2010, 10, 321.	3.2	120
24	Chloroplast genome sequence of the moss Tortula ruralis: gene content, polymorphism, and structural arrangement relative to other green plant chloroplast genomes. BMC Genomics, 2010, 11, 143.	2.8	64
25	Sessile snails, dynamic genomes: gene rearrangements within the mitochondrial genome of a family of caenogastropod molluscs. BMC Genomics, 2010, 11, 440.	2.8	64
26	Domestication of olive fly through a multi-regional host shift to cultivated olives: Comparative dating using complete mitochondrial genomes. Molecular Phylogenetics and Evolution, 2010, 57, 678-686.	2.7	93
27	Analysis of the complete mitochondrial genome sequences of the soybean rust pathogensPhakopsora pachyrhiziandP. meibomiae. Mycologia, 2010, 102, 887-897.	1.9	23
28	Signatures of Adaptation to Obligate Biotrophy in the Hyaloperonospora arabidopsidis Genome. Science, 2010, 330, 1549-1551.	12.6	492
29	High divergence across the whole mitochondrial genome in the â€œpan-Antarcticâ€•springtail Friesea grisea: Evidence for cryptic species?. Gene, 2010, 449, 30-40.	2.2	65
30	Genome sequence of the necrotrophic plant pathogen Pythium ultimum reveals original pathogenicity mechanisms and effector repertoire. Genome Biology, 2010, 11, R73.	9.6	391
31	Parallel Loss of Plastid Introns and Their Maturase in the Genus Cuscuta. PLoS ONE, 2009, 4, e5982.	2.5	58
32	Genomic analysis of a sexually-selected character: EST sequencing and microarray analysis of eye-antennal imaginal discs in the stalk-eyed fly Teleopsis dalmanni (Diopsidae). BMC Genomics, 2009, 10, 361.	2.8	20
33	Arachnid relationships based on mitochondrial genomes: Asymmetric nucleotide and amino acid bias affects phylogenetic analyses. Molecular Phylogenetics and Evolution, 2009, 50, 117-128.	2.7	77
34	Extensive Rearrangements in the Chloroplast Genome of Trachelium caeruleum Are Associated with Repeats and tRNA Genes. Journal of Molecular Evolution, 2008, 66, 350-361.	1.8	257
35	Extensive Reorganization of the Plastid Genome of Trifolium subterraneum (Fabaceae) Is Associated with Numerous Repeated Sequences and Novel DNA Insertions. Journal of Molecular Evolution, 2008, 67, 696-704.	1.8	217
36	Genome size, cell size, and the evolution of enucleated erythrocytes in attenuate salamanders. Zoology, 2008, 111, 218-230.	1.2	55

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37	The minimum information about a genome sequence (MIGS) specification. Nature Biotechnology, 2008, 26, 541-547.	17.5	1,069
38	DETECTING EVOLUTIONARY TRANSFER OF GENES USING PhIGs¹. Journal of Phycology, 2008, 44, 19-22.	2.3	3
39	The complete plastid genome sequence of Welwitschia mirabilis: an unusually compact plastome with accelerated divergence rates. BMC Evolutionary Biology, 2008, 8, 130.	3.2	110
40	The Physcomitrella Genome Reveals Evolutionary Insights into the Conquest of Land by Plants. Science, 2008, 319, 64-69.	12.6	1,712
41	Development of simple sequence repeat markers for the soybean rust fungus, Phakopsora pachyrhizi. Molecular Ecology Resources, 2008, 8, 1310-1312.	4.8	13
42	Genome-wide analyses of Geraniaceae plastid DNA reveal unprecedented patterns of increased nucleotide substitutions. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18424-18429.	7.1	162
43	Functional Gene Losses Occur with Minimal Size Reduction in the Plastid Genome of the Parasitic Liverwort Aneura mirabilis. Molecular Biology and Evolution, 2008, 25, 393-401.	8.9	108
44	Parallel Evolution of Truncated Transfer RNA Genes in Arachnid Mitochondrial Genomes. Molecular Biology and Evolution, 2008, 25, 949-959.	8.9	108
45	Beyond linear sequence comparisons: the use of genome-level characters for phylogenetic reconstruction. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1445-1451.	4.0	41
46	Group II Introns Break New Boundaries: Presence in a Bilaterian's Genome. PLoS ONE, 2008, 3, e1488.	2.5	78
47	A comparative analysis of the Lactuca and Helianthus (Asteraceae) plastid genomes: identification of divergent regions and categorization of shared repeats. American Journal of Botany, 2007, 94, 302-312.	1.7	258
48	Multiple Origins and Rapid Evolution of Duplicated Mitochondrial Genes in Parthenogenetic Geckos (Heteronotia binoei; Squamata, Gekkonidae). Molecular Biology and Evolution, 2007, 24, 2775-2786.	8.9	59
49	The Complete Plastid Genome Sequence of Angiopteris evecta (G. Forst.) Hoffm. (Marattiaceae). American Fern Journal, 2007, 97, 95-106.	0.3	44
50	Analysis of 81 genes from 64 plastid genomes resolves relationships in angiosperms and identifies genome-scale evolutionary patterns. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19369-19374.	7.1	1,016
51	Phylogenetic and evolutionary implications of complete chloroplast genome sequences of four early-diverging angiosperms: Buxus (Buxaceae), Chloranthus (Chloranthaceae), Dioscorea (Dioscoreaceae), and Illicium (Schisandraceae). Molecular Phylogenetics and Evolution, 2007, 45, 547-563.	2.7	154
52	Systematics and plastid genome evolution of the cryptically photosynthetic parasitic plant genus Cuscuta(Convolvulaceae). BMC Biology, 2007, 5, 55.	3.8	98
53	Complete plastid genome sequences suggest strong selection for retention of photosynthetic genes in the parasitic plant genus Cuscuta. BMC Plant Biology, 2007, 7, 57.	3.6	162
54	Comparative chloroplast genomics: analyses including new sequences from the angiosperms Nuphar advena and Ranunculus macranthus. BMC Genomics, 2007, 8, 174.	2.8	340

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55	Comparative phylogenomic analyses of teleost fish Hox gene clusters: lessons from the cichlid fish Astatotilapia burtoni. BMC Genomics, 2007, 8, 317.	2.8	77
56	Mitochondrial genome sequences and comparative genomics of Phytophthora ramorum and P. sojae. Current Genetics, 2007, 51, 285-296.	1.7	48
57	Lophotrochozoan mitochondrial genomes. Integrative and Comparative Biology, 2006, 46, 544-557.	2.0	64
58	Phytophthora Genome Sequences Uncover Evolutionary Origins and Mechanisms of Pathogenesis. Science, 2006, 313, 1261-1266.	12.6	1,059
59	The mitochondrial genome of the entomophagous endoparasite Xenos vesparum (Insecta:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.2	36
60	The mitochondrial genomes of Campodea fragilis and Campodea lubbocki (Hexapoda: Diplura): High genetic divergence in a morphologically uniform taxon. Gene, 2006, 381, 49-61.	2.2	28
61	The use of genome-level characters for phylogenetic reconstruction. Trends in Ecology and Evolution, 2006, 21, 439-446.	8.7	230
62	Using partial genomic fosmid libraries for sequencing complete organellar genomes. BioTechniques, 2006, 41, 69-73.	1.8	29
63	Extensive Variation in Nuclear Mitochondrial DNA Content Between the Genomes of Phytophthora sojae and Phytophthora ramorum. Molecular Plant-Microbe Interactions, 2006, 19, 1329-1336.	2.6	10
64	The phylogeny of Mediterranean tortoises and their close relatives based on complete mitochondrial genome sequences from museum specimens. Molecular Phylogenetics and Evolution, 2006, 38, 50-64.	2.7	77
65	Rolling circle amplification of metazoan mitochondrial genomes. Molecular Phylogenetics and Evolution, 2006, 39, 562-567.	2.7	62
66	A phylogenomic gene cluster resource: the Phylogenetically Inferred Groups (PhIGs) database. BMC Bioinformatics, 2006, 7, 201.	2.6	56
67	The complete mitochondrial genome of the enigmatic bigheaded turtle (Platysternon): description of unusual genomic features and the reconciliation of phylogenetic hypotheses based on mitochondrial and nuclear DNA. BMC Evolutionary Biology, 2006, 6, 11.	3.2	90
68	Complete plastid genome sequences of Drimys, Liriodendron, and Piper: implications for the phylogenetic relationships of magnoliids. BMC Evolutionary Biology, 2006, 6, 77.	3.2	138
69	The complete sequence of the mitochondrial genome of Nautilus macromphalus (Mollusca:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.8	75
70	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.	8.9	432
71	Naked corals: Skeleton loss in Scleractinia. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9096-9100.	7.1	221
72	Requirements and Standards for Organelle Genome Databases. OMICS A Journal of Integrative Biology, 2006, 10, 119-126.	2.0	32

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73	Relationships between hexapods and crustaceans based on four mitochondrial genes. Crustacean Issues, 2005, , 295-306.	0.9	22
74	The complete mitochondrial genome of a gecko and the phylogenetic position of the Middle Eastern Teratoscincus keyserlingii. Molecular Phylogenetics and Evolution, 2005, 36, 188-193.	2.7	27
75	Genetic markers in blue crabs (Callinectes sapidus). Journal of Experimental Marine Biology and Ecology, 2005, 319, 15-27.	1.5	44
76	Identifying the Basal Angiosperm Node in Chloroplast Genome Phylogenies: Sampling One's Way Out of the Felsenstein Zone. Molecular Biology and Evolution, 2005, 22, 1948-1963.	8.9	242
77	Molecular Mechanisms of Extensive Mitochondrial Gene Rearrangement in Plethodontid Salamanders. Molecular Biology and Evolution, 2005, 22, 2104-2112.	8.9	120
78	Methods for Obtaining and Analyzing Whole Chloroplast Genome Sequences. Methods in Enzymology, 2005, 395, 348-384.	1.0	410
79	The first complete chloroplast genome sequence of a lycophyte, Huperzia lucidula (Lycopodiaceae). Gene, 2005, 350, 117-128.	2.2	101
80	Two Rounds of Whole Genome Duplication in the Ancestral Vertebrate. PLoS Biology, 2005, 3, e314.	5.6	1,280
81	Sequencing and Comparing Whole Mitochondrial Genomes of Animals. Methods in Enzymology, 2005, 395, 311-348.	1.0	199
82	The mitochondrial genome of Paraspadella gotoi is highly reduced and reveals that chaetognaths are a sister group to protostomes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10639-10643.	7.1	122
83	The Complete Mitochondrial Genome Sequence of the Spider Habronattus oregonensis Reveals Rearranged and Extremely Truncated tRNAs. Molecular Biology and Evolution, 2004, 21, 893-902.	8.9	199
84	Automatic annotation of organellar genomes with DOGMA. Bioinformatics, 2004, 20, 3252-3255.	4.1	2,922
85	Morphological homoplasy, life history evolution, and historical biogeography of plethodontid salamanders inferred from complete mitochondrial genomes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13820-13825.	7.1	233
86	The Mitochondrial Genome of Phoronis architectaâ€"Comparisons Demonstrate that Phoronids Are Lophotrochozoan Protostomes. Molecular Biology and Evolution, 2004, 21, 153-157.	8.9	78
87	Complete Sequences of the Highly Rearranged Molluscan Mitochondrial Genomes of the Scaphopod Graptacme eborea and the Bivalve Mytilus edulis. Molecular Biology and Evolution, 2004, 21, 1492-1503.	8.9	138
88	Genes without frontiers?. Heredity, 2004, 92, 483-489.	2.6	30
89	Complete mitochondrial genome sequence of Urechis caupo, a representative of the phylum Echiura. BMC Genomics, 2004, 5, 67.	2.8	51
90	Phylogenetic relationships among amphisbaenian reptiles based on complete mitochondrial genomic sequences. Molecular Phylogenetics and Evolution, 2004, 33, 22-31.	2.7	102

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91	Mitochondrial genome data support the basal position of Acoelomorpha and the polyphyly of the Platyhelminthes. Molecular Phylogenetics and Evolution, 2004, 33, 321-332.	2.7	92
92	Phylogenetic position of the Pentastomida and (pan)crustacean relationships. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 537-544.	2.6	222
93	Hexapod Origins: Monophyletic or Paraphyletic?. Science, 2003, 299, 1887-1889.	12.6	349
94	Evolutionary Conservation of Regulatory Elements in Vertebrate Hox Gene Clusters. Genome Research, 2003, 13, 1111-1122.	5.5	130
95	Response to Comment on "Hexapod Origins: Monophyletic or Paraphyletic?". Science, 2003, 301, 1482e-1482.	12.6	14
96	Molecular Evolution and Recombination in Gender-Associated Mitochondrial DNAs of the Manila Clam Tapes philippinarum. Genetics, 2003, 164, 603-611.	2.9	64
97	Complete mtDNA Sequences of Two Millipedes Suggest a New Model for Mitochondrial Gene Rearrangements: Duplication and Nonrandom Loss. Molecular Biology and Evolution, 2002, 19, 163-169.	8.9	266
98	The Mitochondrial Genome of the Sipunculid Phascolopsis gouldii Supports Its Association with Annelida Rather than Mollusca. Molecular Biology and Evolution, 2002, 19, 127-137.	8.9	142
99	The Draft Genome of Ciona intestinalis : Insights into Chordate and Vertebrate Origins. Science, 2002, 298, 2157-2167.	12.6	1,539
100	The phylogeny of Nudibranchia (Opisthobranchia, Gastropoda, Mollusca) reconstructed by three molecular markers. Organisms Diversity and Evolution, 2001, 1, 241-256.	1.6	72
101	Complete Sequence of the Mitochondrial Genome of the Tapeworm Hymenolepis diminuta: Gene Arrangements Indicate that Platyhelminths Are Eutrochozoans. Molecular Biology and Evolution, 2001, 18, 721-730.	8.9	134
102	The Complete Mitochondrial Genome of the Articulate Brachiopod Terebratalia transversa. Molecular Biology and Evolution, 2001, 18, 1734-1744.	8.9	96
103	Complete Mitochondrial Genome Sequence of the Polychaete Annelid Platynereis dumerilii. Molecular Biology and Evolution, 2001, 18, 1413-1416.	8.9	94
104	The Complete Mitochondrial DNA Sequence of the Horseshoe Crab Limulus polyphemus. Molecular Biology and Evolution, 2000, 17, 813-824.	8.9	199
105	Mitochondrial Genomes of Galathealinum, Helobdella, and Platynereis: Sequence and Gene Arrangement Comparisons Indicate that Pogonophora Is Not a Phylum and Annelida and Arthropoda Are Not Sister Taxa. Molecular Biology and Evolution, 2000, 17, 87-106.	8.9	295
106	A novel type of RNA editing occurs in the mitochondrial tRNAs of the centipede Lithobius forficatus. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 13738-13742.	7.1	288
107	The Duplication/Random Loss Model for Gene Rearrangement Exemplified by Mitochondrial Genomes of Deuterostome Animals. Computational Biology, 2000, , 133-147.	0.2	138
108	Entamoeba histolytica: a derived, mitochondriate eukaryote?. Trends in Microbiology, 1999, 7, 426-428.	7.7	6

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109	Animal mitochondrial genomes. Nucleic Acids Research, 1999, 27, 1767-1780.	14.5	2,950
110	Complete sequence, gene arrangement, and genetic code of mitochondrial DNA of the cephalochordate Branchiostoma floridae (Amphioxus) [published erratum appears in Mol Biol Evol 1999 Jul;16(7):1010]. Molecular Biology and Evolution, 1999, 16, 410-418.	8.9	70
111	Gene translocation links insects and crustaceans. Nature, 1998, 392, 667-668.	27.8	610
112	Big trees from little genomes: mitochondrial gene order as a phylogenetic tool. Current Opinion in Genetics and Development, 1998, 8, 668-674.	3.3	552
113	Transmission of mitochondrial DNA - playing favorites?. BioEssays, 1997, 19, 751-753.	2.5	8
114	Deducing the pattern of arthropod phytogeny from mitochondrial DNA rearrangements. Nature, 1995, 376, 163-165.	27.8	414
115	Complete sequence of the mitochondrial DNA of the annelid worm Lumbricus terrestris.. Genetics, 1995, 141, 305-319.	2.9	160
116	Complete DNA sequence of the mitochondrial genome of the black chiton, Katharina tunicata.. Genetics, 1994, 138, 423-443.	2.9	194
117	A novel mitochondrial genome organization for the blue mussel, Mytilus edulis.. Genetics, 1992, 131, 397-412.	2.9	284