

# Jeffrey L Boore

## List of Publications by Citations

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117  
papers

24,673  
citations

68  
h-index

120  
g-index

120  
ext. papers

28,530  
ext. citations

9.8  
avg, IF

6.95  
L-index

#	Paper	IF	Citations
117	Automatic annotation of organellar genomes with DOGMA. <i>Bioinformatics</i> , <b>2004</b> , 20, 3252-5	7.2	2381
116	Animal mitochondrial genomes. <i>Nucleic Acids Research</i> , <b>1999</b> , 27, 1767-80	20.1	2322
115	The Physcomitrella genome reveals evolutionary insights into the conquest of land by plants. <i>Science</i> , <b>2008</b> , 319, 64-9	33.3	1419
114	The draft genome of <i>Ciona intestinalis</i> : insights into chordate and vertebrate origins. <i>Science</i> , <b>2002</b> , 298, 2157-67	33.3	1354
113	Two rounds of whole genome duplication in the ancestral vertebrate. <i>PLoS Biology</i> , <b>2005</b> , 3, e314	9.7	1005
112	The minimum information about a genome sequence (MIGS) specification. <i>Nature Biotechnology</i> , <b>2008</b> , 26, 541-7	44.5	964
111	The ecoresponsive genome of <i>Daphnia pulex</i> . <i>Science</i> , <b>2011</b> , 331, 555-61	33.3	924
110	Phytophthora genome sequences uncover evolutionary origins and mechanisms of pathogenesis. <i>Science</i> , <b>2006</b> , 313, 1261-6	33.3	827
109	Analysis of 81 genes from 64 plastid genomes resolves relationships in angiosperms and identifies genome-scale evolutionary patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 19369-74	11.5	793
108	Gene translocation links insects and crustaceans. <i>Nature</i> , <b>1998</b> , 392, 667-8	50.4	510
107	Big trees from little genomes: mitochondrial gene order as a phylogenetic tool. <i>Current Opinion in Genetics and Development</i> , <b>1998</b> , 8, 668-74	4.9	457
106	Insights into bilaterian evolution from three spiralian genomes. <i>Nature</i> , <b>2013</b> , 493, 526-31	50.4	424
105	The monarch butterfly genome yields insights into long-distance migration. <i>Cell</i> , <b>2011</b> , 147, 1171-85	56.2	410
104	Draft genome sequence and genetic transformation of the oleaginous alga <i>Nannochloropsis gaditana</i> . <i>Nature Communications</i> , <b>2012</b> , 3, 686	17.4	386
103	Deducing the pattern of arthropod phylogeny from mitochondrial DNA rearrangements. <i>Nature</i> , <b>1995</b> , 376, 163-5	50.4	363
102	Signatures of adaptation to obligate biotrophy in the <i>Hyaloperonospora arabidopsidis</i> genome. <i>Science</i> , <b>2010</b> , 330, 1549-1551	33.3	353
101	The complete chloroplast genome sequence of <i>Pelargonium x hortorum</i> : organization and evolution of the largest and most highly rearranged chloroplast genome of land plants. <i>Molecular Biology and Evolution</i> , <b>2006</b> , 23, 2175-90	8.3	322

100	Cyanophora paradoxa genome elucidates origin of photosynthesis in algae and plants. <i>Science</i> , <b>2012</b> , 335, 843-7	33.3	304
99	Hexapod origins: monophyletic or paraphyletic?. <i>Science</i> , <b>2003</b> , 299, 1887-9	33.3	282
98	Genome sequence of the necrotrophic plant pathogen <i>Pythium ultimum</i> reveals original pathogenicity mechanisms and effector repertoire. <i>Genome Biology</i> , <b>2010</b> , 11, R73	18.3	280
97	Methods for obtaining and analyzing whole chloroplast genome sequences. <i>Methods in Enzymology</i> , <b>2005</b> , 395, 348-84	1.7	280
96	Comparative chloroplast genomics: analyses including new sequences from the angiosperms <i>Nuphar advena</i> and <i>Ranunculus macranthus</i> . <i>BMC Genomics</i> , <b>2007</b> , 8, 174	4.5	261
95	Mitochondrial genomes of Galathealium, Helobdella, and Platynereis: sequence and gene arrangement comparisons indicate that Pogonophora is not a phylum and Annelida and Arthropoda are not sister taxa. <i>Molecular Biology and Evolution</i> , <b>2000</b> , 17, 87-106	8.3	249
94	A novel type of RNA editing occurs in the mitochondrial tRNAs of the centipede <i>Lithobius forficatus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 13738-42	11.5	237
93	Extreme reconfiguration of plastid genomes in the angiosperm family Geraniaceae: rearrangements, repeats, and codon usage. <i>Molecular Biology and Evolution</i> , <b>2011</b> , 28, 583-600	8.3	235
92	Identifying the basal angiosperm node in chloroplast genome phylogenies: sampling one's way out of the Felsenstein zone. <i>Molecular Biology and Evolution</i> , <b>2005</b> , 22, 1948-63	8.3	220
91	Horizontal transfer of entire genomes via mitochondrial fusion in the angiosperm <i>Amborella</i> . <i>Science</i> , <b>2013</b> , 342, 1468-73	33.3	219
90	A novel mitochondrial genome organization for the blue mussel, <i>Mytilus edulis</i> . <i>Genetics</i> , <b>1992</b> , 131, 397-412	4.1	217
89	Complete mtDNA sequences of two millipedes suggest a new model for mitochondrial gene rearrangements: duplication and nonrandom loss. <i>Molecular Biology and Evolution</i> , <b>2002</b> , 19, 163-9	8.3	211
88	The genome of the platyfish, <i>Xiphophorus maculatus</i> , provides insights into evolutionary adaptation and several complex traits. <i>Nature Genetics</i> , <b>2013</b> , 45, 567-72	36.3	201
87	Morphological homoplasy, life history evolution, and historical biogeography of plethodontid salamanders inferred from complete mitochondrial genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 13820-5	11.5	197
86	Naked corals: skeleton loss in Scleractinia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 9096-100	11.5	191
85	A comparative analysis of the <i>Lactuca</i> and <i>Helianthus</i> (Asteraceae) plastid genomes: identification of divergent regions and categorization of shared repeats. <i>American Journal of Botany</i> , <b>2007</b> , 94, 302-12	2.7	188
84	Extensive rearrangements in the chloroplast genome of <i>Trachelium caeruleum</i> are associated with repeats and tRNA genes. <i>Journal of Molecular Evolution</i> , <b>2008</b> , 66, 350-61	3.1	183
83	The use of genome-level characters for phylogenetic reconstruction. <i>Trends in Ecology and Evolution</i> , <b>2006</b> , 21, 439-46	10.9	183

82	The complete mitochondrial DNA sequence of the horseshoe crab <i>Limulus polyphemus</i> . <i>Molecular Biology and Evolution</i> , <b>2000</b> , 17, 813-24	8.3	177
81	Phylogenetic position of the Pentastomida and (pan)crustacean relationships. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 271, 537-44	4.4	172
80	The complete mitochondrial genome sequence of the spider <i>Habronattus oregonensis</i> reveals rearranged and extremely truncated tRNAs. <i>Molecular Biology and Evolution</i> , <b>2004</b> , 21, 893-902	8.3	166
79	Sequencing and comparing whole mitochondrial genomes of animals. <i>Methods in Enzymology</i> , <b>2005</b> , 395, 311-48	1.7	165
78	Extensive reorganization of the plastid genome of <i>Trifolium subterraneum</i> (Fabaceae) is associated with numerous repeated sequences and novel DNA insertions. <i>Journal of Molecular Evolution</i> , <b>2008</b> , 67, 696-704	3.1	151
77	Implications of the plastid genome sequence of typha (typhaceae, poales) for understanding genome evolution in poaceae. <i>Journal of Molecular Evolution</i> , <b>2010</b> , 70, 149-66	3.1	138
76	Complete DNA sequence of the mitochondrial genome of the black chiton, <i>Katharina tunicata</i> . <i>Genetics</i> , <b>1994</b> , 138, 423-43	4	138
75	Complete plastid genome sequences suggest strong selection for retention of photosynthetic genes in the parasitic plant genus <i>Cuscuta</i> . <i>BMC Plant Biology</i> , <b>2007</b> , 7, 57	5.3	137
74	Ecdysozoan mitogenomics: evidence for a common origin of the legged invertebrates, the Panarthropoda. <i>Genome Biology and Evolution</i> , <b>2010</b> , 2, 425-40	3.9	133
73	Phylogenetic and evolutionary implications of complete chloroplast genome sequences of four early-diverging angiosperms: <i>Buxus</i> (Buxaceae), <i>Chloranthus</i> (Chloranthaceae), <i>Dioscorea</i> (Dioscoreaceae), and <i>Illicium</i> (Schisandraceae). <i>Molecular Phylogenetics and Evolution</i> , <b>2007</b> , 45, 547-63	4.1	126
72	Complete sequences of the highly rearranged molluscan mitochondrial genomes of the Scaphopod <i>Graptacme eborea</i> and the bivalve <i>Mytilus edulis</i> . <i>Molecular Biology and Evolution</i> , <b>2004</b> , 21, 1492-503	8.3	124
71	Genome-wide analyses of Geraniaceae plastid DNA reveal unprecedented patterns of increased nucleotide substitutions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 18424-9	11.5	121
70	Complete sequence of the mitochondrial DNA of the annelid worm <i>Lumbricus terrestris</i> . <i>Genetics</i> , <b>1995</b> , 141, 305-19	4	117
69	Evolutionary conservation of regulatory elements in vertebrate Hox gene clusters. <i>Genome Research</i> , <b>2003</b> , 13, 1111-22	9.7	114
68	Complete sequence of the mitochondrial genome of the tapeworm <i>Hymenolepis diminuta</i> : gene arrangements indicate that Platyhelminths are Eutrochozoans. <i>Molecular Biology and Evolution</i> , <b>2001</b> , 18, 721-30	8.3	113
67	The Duplication/Random Loss Model for Gene Rearrangement Exemplified by Mitochondrial Genomes of Deuterostome Animals. <i>Computational Biology</i> , <b>2000</b> , 133-147	0.7	110
66	Molecular mechanisms of extensive mitochondrial gene rearrangement in plethodontid salamanders. <i>Molecular Biology and Evolution</i> , <b>2005</b> , 22, 2104-12	8.3	109
65	The mitochondrial genome of the Sipunculid <i>Phascolopsis gouldii</i> supports its association with Annelida rather than Mollusca. <i>Molecular Biology and Evolution</i> , <b>2002</b> , 19, 127-37	8.3	104

64	Complete plastome sequences of <i>Equisetum arvense</i> and <i>Isoetes flaccida</i> : implications for phylogeny and plastid genome evolution of early land plant lineages. <i>BMC Evolutionary Biology</i> , <b>2010</b> , 10, 321	3	100
63	Complete plastid genome sequences of <i>Drimys</i> , <i>Liriodendron</i> , and <i>Piper</i> : implications for the phylogenetic relationships of magnoliids. <i>BMC Evolutionary Biology</i> , <b>2006</b> , 6, 77	3	100
62	The mitochondrial genome of <i>Paraspadella gotoi</i> is highly reduced and reveals that chaetognaths are a sister group to protostomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 10639-43	11.5	99
61	Functional gene losses occur with minimal size reduction in the plastid genome of the parasitic liverwort <i>Aneura mirabilis</i> . <i>Molecular Biology and Evolution</i> , <b>2008</b> , 25, 393-401	8.3	97
60	Parallel evolution of truncated transfer RNA genes in arachnid mitochondrial genomes. <i>Molecular Biology and Evolution</i> , <b>2008</b> , 25, 949-59	8.3	89
59	The first complete chloroplast genome sequence of a lycophyte, <i>Huperzia lucidula</i> (Lycopodiaceae). <i>Gene</i> , <b>2005</b> , 350, 117-28	3.8	86
58	Phylogenetic relationships among amphisbaenian reptiles based on complete mitochondrial genomic sequences. <i>Molecular Phylogenetics and Evolution</i> , <b>2004</b> , 33, 22-31	4.1	84
57	Complete mitochondrial genome sequence of the polychaete annelid <i>Platynereis dumerilii</i> . <i>Molecular Biology and Evolution</i> , <b>2001</b> , 18, 1413-6	8.3	83
56	Domestication of olive fly through a multi-regional host shift to cultivated olives: comparative dating using complete mitochondrial genomes. <i>Molecular Phylogenetics and Evolution</i> , <b>2010</b> , 57, 678-86	4.1	82
55	The complete mitochondrial genome of the articulate brachiopod <i>Terebratalia transversa</i> . <i>Molecular Biology and Evolution</i> , <b>2001</b> , 18, 1734-44	8.3	81
54	The complete plastid genome sequence of <i>Welwitschia mirabilis</i> : an unusually compact plastome with accelerated divergence rates. <i>BMC Evolutionary Biology</i> , <b>2008</b> , 8, 130	3	80
53	Mitochondrial genome data support the basal position of Acoelomorpha and the polyphyly of the Platyhelminthes. <i>Molecular Phylogenetics and Evolution</i> , <b>2004</b> , 33, 321-32	4.1	79
52	Arachnid relationships based on mitochondrial genomes: asymmetric nucleotide and amino acid bias affects phylogenetic analyses. <i>Molecular Phylogenetics and Evolution</i> , <b>2009</b> , 50, 117-28	4.1	72
51	The complete mitochondrial genome of the enigmatic bigheaded turtle ( <i>Platysternon</i> ): description of unusual genomic features and the reconciliation of phylogenetic hypotheses based on mitochondrial and nuclear DNA. <i>BMC Evolutionary Biology</i> , <b>2006</b> , 6, 11	3	72
50	The phylogeny of Mediterranean tortoises and their close relatives based on complete mitochondrial genome sequences from museum specimens. <i>Molecular Phylogenetics and Evolution</i> , <b>2006</b> , 38, 50-64	4.1	68
49	Systematics and plastid genome evolution of the cryptically photosynthetic parasitic plant genus <i>Cuscuta</i> (Convolvulaceae). <i>BMC Biology</i> , <b>2007</b> , 5, 55	7.3	67
48	The complete sequence of the mitochondrial genome of <i>Nautilus macromphalus</i> (Mollusca: Cephalopoda). <i>BMC Genomics</i> , <b>2006</b> , 7, 182	4.5	67
47	Complete sequence, gene arrangement, and genetic code of mitochondrial DNA of the cephalochordate <i>Branchiostoma floridae</i> (Amphioxus). <i>Molecular Biology and Evolution</i> , <b>1999</b> , 16, 410-8	8.3	65

46	Comparative phylogenomic analyses of teleost fish Hox gene clusters: lessons from the cichlid fish <i>Astatotilapia burtoni</i> . <i>BMC Genomics</i> , <b>2007</b> , 8, 317	4.5	64
45	Group II introns break new boundaries: presence in a bilaterian's genome. <i>PLoS ONE</i> , <b>2008</b> , 3, e1488	3.7	63
44	The mitochondrial genome of <i>Phoronis architecta</i> --comparisons demonstrate that phoronids are lophotrochozoan protostomes. <i>Molecular Biology and Evolution</i> , <b>2004</b> , 21, 153-7	8.3	62
43	High divergence across the whole mitochondrial genome in the "pan-Antarctic" springtail <i>Friesea grisea</i> : evidence for cryptic species?. <i>Gene</i> , <b>2010</b> , 449, 30-40	3.8	61
42	Rolling circle amplification of metazoan mitochondrial genomes. <i>Molecular Phylogenetics and Evolution</i> , <b>2006</b> , 39, 562-7	4.1	60
41	Lophotrochozoan mitochondrial genomes. <i>Integrative and Comparative Biology</i> , <b>2006</b> , 46, 544-57	2.8	59
40	Molecular evolution and recombination in gender-associated mitochondrial DNAs of the Manila clam <i>Tapes philippinarum</i> . <i>Genetics</i> , <b>2003</b> , 164, 603-11	4	59
39	The phylogeny of Nudibranchia (Opisthobranchia, Gastropoda, Mollusca) reconstructed by three molecular markers. <i>Organisms Diversity and Evolution</i> , <b>2001</b> , 1, 241-256	1.7	57
38	Sessile snails, dynamic genomes: gene rearrangements within the mitochondrial genome of a family of caenogastropod molluscs. <i>BMC Genomics</i> , <b>2010</b> , 11, 440	4.5	52
37	Multiple origins and rapid evolution of duplicated mitochondrial genes in parthenogenetic geckos ( <i>Heteronotia binoei</i> ; Squamata, Gekkonidae). <i>Molecular Biology and Evolution</i> , <b>2007</b> , 24, 2775-86	8.3	50
36	Chloroplast genome sequence of the moss <i>Tortula ruralis</i> : gene content, polymorphism, and structural arrangement relative to other green plant chloroplast genomes. <i>BMC Genomics</i> , <b>2010</b> , 11, 143	4.5	48
35	Crawling through time: Transition of snails to slugs dating back to the Paleozoic, based on mitochondrial phylogenomics. <i>Marine Genomics</i> , <b>2011</b> , 4, 51-9	1.9	46
34	Parallel loss of plastid introns and their maturase in the genus <i>Cuscuta</i> . <i>PLoS ONE</i> , <b>2009</b> , 4, e5982	3.7	44
33	Complete mitochondrial genome sequence of <i>Urechis caupo</i> , a representative of the phylum Echiura. <i>BMC Genomics</i> , <b>2004</b> , 5, 67	4.5	43
32	A phylogenomic gene cluster resource: the Phylogenetically Inferred Groups (PhIGs) database. <i>BMC Bioinformatics</i> , <b>2006</b> , 7, 201	3.6	42
31	The Complete Plastid Genome Sequence of <i>Angiopteris evecta</i> (G. Forst.) Hoffm. (Marattiaceae). <i>American Fern Journal</i> , <b>2007</b> , 97, 95-106	0.6	39
30	Mitochondrial genome sequences and comparative genomics of <i>Phytophthora ramorum</i> and <i>P. sojae</i> . <i>Current Genetics</i> , <b>2007</b> , 51, 285-96	2.9	38
29	Genome size, cell size, and the evolution of enucleated erythrocytes in attenuate salamanders. <i>Zoology</i> , <b>2008</b> , 111, 218-30	1.7	38

28	Genetic markers in blue crabs ( <i>Callinectes sapidus</i> ). <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2005</b> , 319, 15-27	2.1	38
27	The mitochondrial genome of the entomophagous endoparasite <i>Xenos vesparum</i> (Insecta: Strepsiptera). <i>Gene</i> , <b>2006</b> , 376, 248-59	3.8	34
26	Beyond linear sequence comparisons: the use of genome-level characters for phylogenetic reconstruction. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2008</b> , 363, 1445-51	5.8	30
25	Evolutionary history of novel genes on the tammar wallaby Y chromosome: Implications for sex chromosome evolution. <i>Genome Research</i> , <b>2012</b> , 22, 498-507	9.7	29
24	Divergence in cis-regulatory sequences surrounding the opsin gene arrays of African cichlid fishes. <i>BMC Evolutionary Biology</i> , <b>2011</b> , 11, 120	3	28
23	The mitochondrial genomes of <i>Campodea fragilis</i> and <i>Campodea lubbocki</i> (Hexapoda: Diplura): High genetic divergence in a morphologically uniform taxon. <i>Gene</i> , <b>2006</b> , 381, 49-61	3.8	28
22	Using partial genomic fosmid libraries for sequencing complete organellar genomes. <i>BioTechniques</i> , <b>2006</b> , 41, 69-73	2.5	27
21	Requirements and standards for organelle genome databases. <i>OMICS A Journal of Integrative Biology</i> , <b>2006</b> , 10, 119-26	3.8	26
20	The complete mitochondrial genome of a gecko and the phylogenetic position of the Middle Eastern <i>Teratoscincus keyserlingii</i> . <i>Molecular Phylogenetics and Evolution</i> , <b>2005</b> , 36, 188-93	4.1	25
19	Genomic evidence for population-specific responses to co-evolving parasites in a New Zealand freshwater snail. <i>Molecular Ecology</i> , <b>2017</b> , 26, 3663-3675	5.7	22
18	Gene annotation errors are common in the mammalian mitochondrial genomes database. <i>BMC Genomics</i> , <b>2019</b> , 20, 73	4.5	22
17	Analysis of the complete mitochondrial genome sequences of the soybean rust pathogens <i>Phakopsora pachyrhizi</i> and <i>P. meibomia</i> . <i>Mycologia</i> , <b>2010</b> , 102, 887-97	2.4	21
16	Organellar genomes of the four-toothed moss, <i>Tetraphis pellucida</i> . <i>BMC Genomics</i> , <b>2014</b> , 15, 383	4.5	19
15	Genomic analysis of a sexually-selected character: EST sequencing and microarray analysis of eye-antennal imaginal discs in the stalk-eyed fly <i>Teleopsis dalmanni</i> (Diopsidae). <i>BMC Genomics</i> , <b>2009</b> , 10, 361	4.5	18
14	Genes without frontiers?. <i>Heredity</i> , <b>2004</b> , 92, 483-9	3.6	18
13	Genome Sequence of the Oleaginous Green Alga, UTEX 395. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2018</b> , 6, 37	5.8	16
12	Relationships between hexapods and crustaceans based on four mitochondrial genes. <i>Crustacean Issues</i> , <b>2005</b> , 295-306		16
11	Molluscan mitochondrial genomes break the rules. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 376, 20200159	5.8	14

10	Response to Comment on "Hexapod Origins: Monophyletic or Paraphyletic?". <i>Science</i> , <b>2003</b> , 301, 1482e-1482	3.9	13
9	Radical amino acid mutations persist longer in the absence of sex. <i>Evolution; International Journal of Organic Evolution</i> , <b>2018</b> , 72, 808-824	3.8	12
8	Development of simple sequence repeat markers for the soybean rust fungus, <i>Phakopsora pachyrhizi</i> . <i>Molecular Ecology Resources</i> , <b>2008</b> , 8, 1310-2	8.4	10
7	Extensive variation in nuclear mitochondrial DNA content between the genomes of <i>Phytophthora sojae</i> and <i>Phytophthora ramorum</i> . <i>Molecular Plant-Microbe Interactions</i> , <b>2006</b> , 19, 1329-36	3.6	9
6	Transmission of mitochondrial DNA--playing favorites?. <i>BioEssays</i> , <b>1997</b> , 19, 751-3	4.1	7
5	<i>Entamoeba histolytica</i> : a derived, mitochondriate eukaryote?. <i>Trends in Microbiology</i> , <b>1999</b> , 7, 426-8	12.4	5
4	Colonization history of Galapagos giant tortoises: Insights from mitogenomes support the progression rule. <i>Journal of Zoological Systematics and Evolutionary Research</i> , <b>2020</b> , 58, 1262-1275	1.9	5
3	DETECTING EVOLUTIONARY TRANSFER OF GENES USING PhiGs(1). <i>Journal of Phycology</i> , <b>2008</b> , 44, 19-22	3	3
2	Asexuality Associated with Marked Genomic Expansion of Tandemly Repeated rRNA and Histone Genes. <i>Molecular Biology and Evolution</i> , <b>2021</b> , 38, 3581-3592	8.3	3
1	Comparative genomic analysis of vertebrate mitochondrial reveals a differential of rearrangements rate between taxonomic class.. <i>Scientific Reports</i> , <b>2022</b> , 12, 5479	4.9	0