

Cymon John Cox

List of Publications by Citations

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85
papers

8,359
citations

37
h-index

91
g-index

91
ext. papers

10,317
ext. citations

5.3
avg. IF

5.73
L-index

#	Paper	IF	Citations
85	Biopython: freely available Python tools for computational molecular biology and bioinformatics. <i>Bioinformatics</i> , 2009 , 25, 1422-3	7.2	2308
84	Reconstructing the early evolution of Fungi using a six-gene phylogeny. <i>Nature</i> , 2006 , 443, 818-22	50.4	1392
83	Assembling the fungal tree of life: progress, classification, and evolution of subcellular traits. <i>American Journal of Botany</i> , 2004 , 91, 1446-80	2.7	640
82	An archaeal origin of eukaryotes supports only two primary domains of life. <i>Nature</i> , 2013 , 504, 231-6	50.4	353
81	The archaeobacterial origin of eukaryotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 20356-61	11.5	269
80	The Interrelationships of Land Plants and the Nature of the Ancestral Embryophyte. <i>Current Biology</i> , 2018 , 28, 733-745.e2	6.3	214
79	Moss diversity: A molecular phylogenetic analysis of genera. <i>Phytotaxa</i> , 2010 , 9, 175	0.7	141
78	Three geographically separate domestications of Asian rice. <i>Nature Plants</i> , 2015 , 1, 15164	11.5	138
77	Conflicting phylogenies for early land plants are caused by composition biases among synonymous substitutions. <i>Systematic Biology</i> , 2014 , 63, 272-9	8.4	135
76	A congruent phylogenomic signal places eukaryotes within the Archaea. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 4870-9	4.4	116
75	Extant diversity of bryophytes emerged from successive post-Mesozoic diversification bursts. <i>Nature Communications</i> , 2014 , 5, 5134	17.4	112
74	Phylogenomics provides robust support for a two-domains tree of life. <i>Nature Ecology and Evolution</i> , 2020 , 4, 138-147	12.3	97
73	The primary divisions of life: a phylogenomic approach employing composition-heterogeneous methods. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009 , 364, 2197-207	5.8	95
72	Phylogeny and evolution of medical species of <i>Candida</i> and related taxa: a multigenic analysis. <i>Journal of Clinical Microbiology</i> , 2004 , 42, 5624-35	9.7	94
71	Evolution of the Major Moss Lineages: Phylogenetic Analyses Based on Multiple Gene Sequences and Morphology. <i>Bryologist</i> , 2000 , 103, 187-211	0.7	94
70	Chloroplast Phylogeny of Asplenioid Ferns based on <i>rbcl</i> and <i>trnL-F</i> Spacer Sequences (Polypodiidae, Aspleniaceae) and its Implications for Biogeography. <i>Systematic Botany</i> , 2004 , 29, 260-274	0.7	92
69	Polarity of peatmoss (<i>Sphagnum</i>) evolution: who says bryophytes have no roots?. <i>American Journal of Botany</i> , 2003 , 90, 1777-87	2.7	85

68	Mitochondrial phylogenomics of early land plants: mitigating the effects of saturation, compositional heterogeneity, and codon-usage bias. <i>Systematic Biology</i> , 2014 , 63, 862-78	8.4	84
67	Resolution of the ordinal phylogeny of mosses using targeted exons from organellar and nuclear genomes. <i>Nature Communications</i> , 2019 , 10, 1485	17.4	80
66	Phylogeny and morphological evolution of the amblystegiaceae (Bryopsida). <i>Molecular Phylogenetics and Evolution</i> , 2002 , 23, 1-21	4.1	80
65	Phylogenetic Relationships among the Mosses Based on Heterogeneous Bayesian Analysis of Multiple Genes from Multiple Genomic Compartments. <i>Systematic Botany</i> , 2004 , 29, 234-250	0.7	75
64	Phylogenetic Relationships Among the Diplolepidous-alternate Mosses (Bryidae) Inferred from Nuclear and Chloroplast DNA Sequences. <i>Bryologist</i> , 2000 , 103, 224-241	0.7	70
63	The Bryophyta (Mosses): Systematic and Evolutionary Inferences from an rps4 Gene (cpDNA) Phylogeny. <i>Annals of Botany</i> , 2001 , 87, 191-208	4.1	68
62	Phylogenetic relationships among the ciliate arthrodontous mosses: Evidence from chloroplast and nuclear DNA sequences. <i>Plant Systematics and Evolution</i> , 1999 , 215, 119-139	1.3	67
61	Peatmoss (<i>Sphagnum</i>) diversification associated with Miocene Northern Hemisphere climatic cooling?. <i>Molecular Phylogenetics and Evolution</i> , 2010 , 55, 1139-45	4.1	65
60	Global patterns of moss diversity: taxonomic and molecular inferences. <i>Taxon</i> , 2005 , 54, 337-352	0.8	62
59	Nuclear protein phylogenies support the monophyly of the three bryophyte groups (Bryophyta Schimp.). <i>New Phytologist</i> , 2019 , 222, 565-575	9.8	58
58	Disentangling knots of rapid evolution: origin and diversification of the moss order Hypnales. <i>Journal of Bryology</i> , 2012 , 34, 187-211	1.1	53
57	Analyses of charophyte chloroplast genomes help characterize the ancestral chloroplast genome of land plants. <i>Genome Biology and Evolution</i> , 2014 , 6, 897-911	3.9	52
56	Circumscription, classification, and (Bryopsida) inferred from nuclear and chloroplast DNA sequence data and morphology taxonomy of Amblystegiaceae. <i>Taxon</i> , 2002 , 51, 115-122	0.8	49
55	Newly resolved relationships in an early land plant lineage: Bryophyta class Sphagnopsida (peat mosses). <i>American Journal of Botany</i> , 2010 , 97, 1511-31	2.7	45
54	Organellar phylogenomics of an emerging model system: <i>Sphagnum</i> (peatmoss). <i>Annals of Botany</i> , 2016 , 118, 185-96	4.1	42
53	Phylogenetically and spatially close marine sponges harbour divergent bacterial communities. <i>PLoS ONE</i> , 2012 , 7, e53029	3.7	39
52	Genetic structure, reproductive biology and ecology of isolated populations of <i>Asplenium csikii</i> (Aspleniaceae, pteridophyta). <i>Heredity</i> , 1999 , 83 (Pt 5), 604-12	3.6	39
51	Phylogeny, Species Delimitation, and Recombination in <i>Sphagnum</i> Section <i>Acutifolia</i> . <i>Systematic Botany</i> , 2005 , 30, 16-33	0.7	38

50	Compositional biases among synonymous substitutions cause conflict between gene and protein trees for plastid origins. <i>Molecular Biology and Evolution</i> , 2014 , 31, 1697-709	8.3	37
49	First molecular estimate of cyclostome bryozoan phylogeny confirms extensive homoplasy among skeletal characters used in traditional taxonomy. <i>Molecular Phylogenetics and Evolution</i> , 2009 , 52, 241-54 ¹	4.1	37
48	Metatranscriptomes reveal functional variation in diatom communities from the Antarctic Peninsula. <i>ISME Journal</i> , 2015 , 9, 2275-89	11.9	36
47	Phylogenetic significance of the rpoA loss in the chloroplast genome of mosses. <i>Taxon</i> , 2005 , 54, 353-360.8	0.8	36
46	Geographical range in liverworts: does sex really matter?. <i>Journal of Biogeography</i> , 2016 , 43, 627-635	4.1	35
45	Phylogenetic relationships within the moss family Bryaceae based on chloroplast DNA evidence.. <i>Journal of Bryology</i> , 2003 , 25, 31-40	1.1	35
44	Absence of N-terminal acetyltransferase diversification during evolution of eukaryotic organisms. <i>Scientific Reports</i> , 2016 , 6, 21304	4.9	34
43	Global patterns in peatmoss biodiversity. <i>Molecular Ecology</i> , 2003 , 12, 2553-70	5.7	34
42	Phylogenetic Relationships of Haploleptideous Mosses (Dicranidae) Inferred from rps4 Gene Sequences. <i>Systematic Botany</i> , 2004 , 29, 29-41	0.7	33
41	Distribution and phylogenetic significance of the 71-kb inversion in the plastid genome in Funariidae (Bryophyta). <i>Annals of Botany</i> , 2007 , 99, 747-53	4.1	32
40	Ordinal relationships of pleurocarpous mosses, with special emphasis on the Hookeriales. <i>Systematics and Biodiversity</i> , 2004 , 2, 121-145	1.7	32
39	Phylogenetic Relationships Among Basal-most Arthroodontous Mosses with Special Emphasis on the Evolutionary Significance of the Funariineae. <i>Bryologist</i> , 2000 , 103, 212-223	0.7	32
38	Phylogenetic and biosystematic relationships in four highly disjunct polyploid complexes in the subgenera and in (Aspleniaceae). <i>Organisms Diversity and Evolution</i> , 2002 , 2, 299-311	1.7	31
37	Deep sequencing of Ptilidium (Ptilidiaceae) suggests evolutionary stasis in liverwort plastid genome structure. <i>Plant Ecology and Evolution</i> , 2011 , 144, 29-43	1.6	30
36	Molecular Taxonomic Profiling of Bacterial Communities in a Gilthead Seabream () Hatchery. <i>Frontiers in Microbiology</i> , 2017 , 8, 204	5.7	29
35	Genomic blueprints of sponge-prokaryote symbiosis are shared by low abundant and cultivatable Alphaproteobacteria. <i>Scientific Reports</i> , 2019 , 9, 1999	4.9	29
34	Effects of sample handling and cultivation bias on the specificity of bacterial communities in keratose marine sponges. <i>Frontiers in Microbiology</i> , 2014 , 5, 611	5.7	27
33	A taxonomic reassessment of the Vittiaceae (Hypnales, Bryopsida): evidence from phylogenetic analyses of combined chloroplast and nuclear sequence data. <i>Plant Systematics and Evolution</i> , 2003 , 241, 1-12	1.3	26

32	Comparative analysis of zebrafish bone morphogenetic proteins 2, 4 and 16: molecular and evolutionary perspectives. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 841-57	10.3	23
31	Land Plant Molecular Phylogenetics: A Review with Comments on Evaluating Incongruence Among Phylogenies. <i>Critical Reviews in Plant Sciences</i> , 2018 , 37, 113-127	5.6	21
30	Optimal data partitioning, multispecies coalescent and Bayesian concordance analyses resolve early divergences of the grape family (Vitaceae). <i>Cladistics</i> , 2018 , 34, 57-77	3.5	20
29	WASABI: an automated sequence processing system for multigene phylogenies. <i>Systematic Biology</i> , 2007 , 56, 523-31	8.4	19
28	Phylogenetic inferences in the dung-moss family Splachnaceae from analyses of cpDNA sequence data and implications for the evolution of entomophily. <i>American Journal of Botany</i> , 2004 , 91, 748-59	2.7	19
27	Evolution of multiple paralogous adenosine kinase genes in the moss genus <i>Hygroamblystegium</i> : phylogenetic implications. <i>Molecular Phylogenetics and Evolution</i> , 2004 , 31, 505-16	4.1	18
26	Divergent and Reticulate Evolution in Closely Related Species of <i>Sphagnum</i> Section <i>Subsecunda</i> . <i>Bryologist</i> , 2005 , 108, 363-376	0.7	18
25	Increased diversification rates follow shifts to bisexuality in liverworts. <i>New Phytologist</i> , 2016 , 210, 1121-98	4.9	17
24	A 20-state empirical amino-acid substitution model for green plant chloroplasts. <i>Molecular Phylogenetics and Evolution</i> , 2013 , 68, 218-20	4.1	16
23	Phylogenetic Relationships Among <i>Sphagnum</i> Sections: <i>Hemitheca</i> , <i>Isocladus</i> , and <i>Subsecunda</i> . <i>Bryologist</i> , 2004 , 107, 189-196	0.7	15
22	Phylogeny, Character Evolution, and Biogeography of the Gondwanic Moss Family Hypopterygiaceae (Bryophyta). <i>Systematic Botany</i> , 2008 , 33, 21-30	0.7	14
21	Improved phylogeny of brown algae <i>Cystoseira</i> (Fucales) from the Atlantic-Mediterranean region based on mitochondrial sequences. <i>PLoS ONE</i> , 2019 , 14, e0210143	3.7	13
20	Circulating small non-coding RNAs provide new insights into vitamin K nutrition and reproductive physiology in teleost fish. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 39-51	4	12
19	Multilocus genetic analyses provide insight into speciation and hybridization in aquatic grasses, genus <i>Ruppia</i> . <i>Biological Journal of the Linnean Society</i> , 2016 , 117, 177-191	1.9	11
18	Variation in "biodiversity value" of peatmoss species in <i>Sphagnum</i> section <i>Acutifolia</i> (Sphagnaceae). <i>American Journal of Botany</i> , 2005 , 92, 1774-83	2.7	10
17	The mitochondrial phylogeny of land plants shows support for Setaphyta under composition-heterogeneous substitution models. <i>PeerJ</i> , 2020 , 8, e8995	3.1	10
16	A haplotype-resolved draft genome of the European sardine (<i>Sardina pilchardus</i>). <i>GigaScience</i> , 2019 , 8,	7.6	9
15	A transcriptome resource for the copepod <i>Calanus glacialis</i> across a range of culture temperatures. <i>Marine Genomics</i> , 2015 , 23, 27-9	1.9	9

14	The Chloroplast Land Plant Phylogeny: Analyses Employing Better-Fitting Tree- and Site-Heterogeneous Composition Models. <i>Frontiers in Plant Science</i> , 2020 , 11, 1062	6.2	8
13	Phylogenetic Relationships of the Wardiaceae (Musci); Evidence from 18s rRNA and rps4 Gene Sequences. <i>Bryologist</i> , 1999 , 102, 26	0.7	8
12	Diversity of the candidate phylum Poribacteria in the marine sponge <i>Aplysina fulva</i> . <i>Brazilian Journal of Microbiology</i> , 2013 , 44, 329-34	2.2	6
11	Prokaryotic diversity in stream sediments affected by acid mine drainage. <i>Extremophiles</i> , 2020 , 24, 809-839	3.9	6
10	Inferring the Deep Past from Molecular Data. <i>Genome Biology and Evolution</i> , 2021 , 13,	3.9	6
9	A meta-taxonomic investigation of the prokaryotic diversity of water bodies impacted by acid mine drainage from the Sã Domingos mine in southern Portugal. <i>Extremophiles</i> , 2019 , 23, 821-834	3	5
8	Biochemical and molecular responses of the Mediterranean mussel (<i>Mytilus galloprovincialis</i>) to short-term exposure to three commonly prescribed drugs. <i>Marine Environmental Research</i> , 2021 , 168, 105309	3.3	5
7	Multiple domestications of Asian rice. <i>Nature Plants</i> , 2016 , 2, 16037	11.5	5
6	Comparative promoter analysis and its application to the identification of candidate regulatory factors of cartilage-expressed genes. <i>Journal of Applied Ichthyology</i> , 2010 , 26, 245-250	0.9	3
5	Evolutionary conservation of TFIIH subunits: implications for the use of zebrafish as a model to study TFIIH function and regulation. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014 , 172-173, 9-20	2.3	2
4	A new species of Leskeodon (Daltoniaceae) from Ecuador. <i>Brittonia</i> , 2002 , 54, 178-180	0.5	2
3	Identification of a fish short-chain dehydrogenase/reductase associated with bone metabolism. <i>Gene</i> , 2018 , 645, 137-145	3.8	1
2	Uncovering the shell game with barcodes: diversity of meiofaunal Caecidae snails (Truncatelloidea, Caenogastropoda) from Central America. <i>ZooKeys</i> , 2020 , 968, 1-42	1.2	1
1	A haplotype-resolved draft genome of the European sardine (<i>Sardina pilchardus</i>)		1