

Fredrik Ronquist

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

83,753
citations

36203

51
h-index

39575

94
g-index

117
all docs

117
docs citations

117
times ranked

52760
citing authors

#	ARTICLE	IF	CITATIONS
1	MrBayes 3: Bayesian phylogenetic inference under mixed models. <i>Bioinformatics</i> , 2003, 19, 1572-1574.	1.8	26,519
2	MrBayes 3.2: Efficient Bayesian Phylogenetic Inference and Model Choice Across a Large Model Space. <i>Systematic Biology</i> , 2012, 61, 539-542.	2.7	20,458
3	MRBAYES: Bayesian inference of phylogenetic trees. <i>Bioinformatics</i> , 2001, 17, 754-755.	1.8	20,154
4	Bayesian Inference of Phylogeny and Its Impact on Evolutionary Biology. <i>Science</i> , 2001, 294, 2310-2314.	6.0	2,416
5	Bayesian Phylogenetic Analysis of Combined Data. <i>Systematic Biology</i> , 2004, 53, 47-67.	2.7	1,636
6	Dispersal-Vicariance Analysis: A New Approach to the Quantification of Historical Biogeography. <i>Systematic Biology</i> , 1997, 46, 195-203.	2.7	1,434
7	Parallel Metropolis coupled Markov chain Monte Carlo for Bayesian phylogenetic inference. <i>Bioinformatics</i> , 2004, 20, 407-415.	1.8	972
8	Southern Hemisphere Biogeography Inferred by Event-Based Models: Plant versus Animal Patterns. <i>Systematic Biology</i> , 2004, 53, 216-243.	2.7	796
9	A Total-Evidence Approach to Dating with Fossils, Applied to the Early Radiation of the Hymenoptera. <i>Systematic Biology</i> , 2012, 61, 973-999.	2.7	742
10	Potential Applications and Pitfalls of Bayesian Inference of Phylogeny. <i>Systematic Biology</i> , 2002, 51, 673-688.	2.7	721
11	BEAGLE: An Application Programming Interface and High-Performance Computing Library for Statistical Phylogenetics. <i>Systematic Biology</i> , 2012, 61, 170-173.	2.7	555
12	RevBayes: Bayesian Phylogenetic Inference Using Graphical Models and an Interactive Model-Specification Language. <i>Systematic Biology</i> , 2016, 65, 726-736.	2.7	538
13	Patterns of animal dispersal, vicariance and diversification in the Holarctic. <i>Biological Journal of the Linnean Society</i> , 2001, 73, 345-390.	0.7	326
14	Total-Evidence Dating under the Fossilized Birth-Death Process. <i>Systematic Biology</i> , 2016, 65, 228-249.	2.7	304
15	Xenacoelomorpha is the sister group to Nephrozoa. <i>Nature</i> , 2016, 530, 89-93.	13.7	301
16	Bayesian inference of character evolution. <i>Trends in Ecology and Evolution</i> , 2004, 19, 475-481.	4.2	285
17	Phylogenetic Methods in Biogeography. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2011, 42, 441-464.	3.8	222
18	Phylogeny, classification and evolution of the Cynipoidea. <i>Zoologica Scripta</i> , 1999, 28, 139-164.	0.7	212

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19	Inferring dispersal: a Bayesian approach to phylogenya€based island biogeography, with special reference to the Canary Islands. <i>Journal of Biogeography</i> , 2008, 35, 428-449.	1.4	208
20	Phylogeny of the Hymenoptera: A cladistic reanalysis of Rasnitsyn's (1988) data. <i>Zoologica Scripta</i> , 1999, 28, 13-50.	0.7	182
21	Evolution of the hymenopteran megaradiation. <i>Molecular Phylogenetics and Evolution</i> , 2011, 60, 73-88.	1.2	171
22	Bayesian Analysis of Molecular Evolution Using MrBayes. , 2005, , 183-226.		165
23	EVOLUTION OF THE GALL WASP-HOST PLANT ASSOCIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 2503-2522.	1.1	159
24	Phylogenetic relationships among superfamilies of Hymenoptera. <i>Cladistics</i> , 2012, 28, 80-112.	1.5	147
25	Efficiency of Markov Chain Monte Carlo Tree Proposals in Bayesian Phylogenetics. <i>Systematic Biology</i> , 2008, 57, 86-103.	2.7	146
26	Inferring Speciation and Extinction Rates under Different Sampling Schemes. <i>Molecular Biology and Evolution</i> , 2011, 28, 2577-2589.	3.5	144
27	Phylogeny and early evolution of the Cynipoidea (Hymenoptera). <i>Systematic Entomology</i> , 1995, 20, 309-335.	1.7	140
28	Phylogeny, Evolution and Classification of Gall Wasps: The Plot Thickens. <i>PLoS ONE</i> , 2015, 10, e0123301.	1.1	136
29	Bayesian Inference of the Metazoan Phylogeny. <i>Current Biology</i> , 2004, 14, 1644-1649.	1.8	132
30	Free Amino Acid Composition of Leaf Exudates and Phloem Sap. <i>Plant Physiology</i> , 1990, 92, 222-226.	2.3	130
31	A phylogenetic analysis of higher-level gall wasp relationships (Hymenoptera: Cynipidae). <i>Systematic Entomology</i> , 1998, 23, 229-252.	1.7	130
32	The shifting roles of dispersal and vicariance in biogeography. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 497-503.	1.2	126
33	The Hymenopteran Tree of Life: Evidence from Protein-Coding Genes and Objectively Aligned Ribosomal Data. <i>PLoS ONE</i> , 2013, 8, e69344.	1.1	116
34	Closing the gap between rocks and clocks using total-evidence dating. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150136.	1.8	115
35	A fully web-illustrated morphological phylogenetic study of relationships among oak gall wasps and their closest relatives (Hymenoptera: Cynipidae). <i>Zootaxa</i> , 2008, 1796, 1.	0.2	112
36	Ancestral Areas and Parsimony. <i>Systematic Biology</i> , 1994, 43, 267-274.	2.7	111

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37	RECONSTRUCTING THE HISTORY OF HOST-PARASITE ASSOCIATIONS USING GENERALISED PARSIMONY. <i>Cladistics</i> , 1995, 11, 73-89.	1.5	104
38	EVOLUTION OF THE GALL WASPâ€™s HOST PLANT ASSOCIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 2503.	1.1	102
39	Phylogenetic approaches in coevolution and biogeography. <i>Zoologica Scripta</i> , 1997, 26, 313-322.	0.7	100
40	A Maximum-Likelihood Analysis of Eight Phylogenetic Markers in Gallwasps (Hymenoptera: Cynipidae): Implications for Insect Phylogenetic Studies. <i>Molecular Phylogenetics and Evolution</i> , 2002, 22, 206-219.	1.2	98
41	Bayesian Tests of Topology Hypotheses with an Example from Diving Beetles. <i>Systematic Biology</i> , 2013, 62, 660-673.	2.7	97
42	Automated Taxonomic Identification of Insects with Expert-Level Accuracy Using Effective Feature Transfer from Convolutional Networks. <i>Systematic Biology</i> , 2019, 68, 876-895.	2.7	97
43	EVOLUTION OF PARASITISM AMONG CLOSELY RELATED SPECIES: PHYLOGENETIC RELATIONSHIPS AND THE ORIGIN OF INQUILINISM IN GALL WASPS (HYMENOPTERA, CYNIPIDAE). <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 241-266.	1.1	96
44	Probabilistic Graphical Model Representation in Phylogenetics. <i>Systematic Biology</i> , 2014, 63, 753-771.	2.7	96
45	Bayesian island biogeography in a continental setting: the Rand Flora case. <i>Biology Letters</i> , 2010, 6, 703-707.	1.0	88
46	A Nonstationary Markov Model Detects Directional Evolution in Hymenopteran Morphology. <i>Systematic Biology</i> , 2015, 64, 1089-1103.	2.7	75
47	New mitochondrial primers for metabarcoding of insects, designed and evaluated using in silico methods. <i>Molecular Ecology Resources</i> , 2019, 19, 90-104.	2.2	69
48	Matrix Representation of Trees, Redundancy, and Weighting. <i>Systematic Biology</i> , 1996, 45, 247-253.	2.7	68
49	Process and Pattern in the Evolution of Species Associations. <i>Systematic Zoology</i> , 1990, 39, 323.	1.6	67
50	The Swedish Malaise Trap Project: A 15 Year Retrospective on a Countrywide Insect Inventory. <i>Biodiversity Data Journal</i> , 2020, 8, e47255.	0.4	67
51	A hymenopteristsâ€™ guide to the Hymenoptera Anatomy Ontology: utility, clarification, and future directions. <i>Journal of Hymenoptera Research</i> , 0, 27, 67-88.	0.8	64
52	Establishing arthropod community composition using metabarcoding: Surprising inconsistencies between soil samples and preservative ethanol and homogenate from Malaise trap catches. <i>Molecular Ecology Resources</i> , 2019, 19, 1516-1530.	2.2	64
53	Evolution of Parasitism among Closely Related Species: Phylogenetic Relationships and the Origin of Inquilinism in Gall Wasps (Hymenoptera, Cynipidae). <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 241.	1.1	63
54	Fast Fitch-Parsimony Algorithms for Large Data Sets. <i>Cladistics</i> , 1998, 14, 387-400.	1.5	62

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55	Skeletal Morphology of <i>Opius dissitus</i> and <i>Biosteres carbonarius</i> (Hymenoptera: Braconidae), with a Discussion of Terminology. <i>PLoS ONE</i> , 2012, 7, e32573.	1.1	56
56	Phylogeny and historical biogeography of the cynipoid wasp family Ibalidae (Hymenoptera). <i>Systematic Entomology</i> , 1996, 21, 151-166.	1.7	54
57	Heterotachy Processes in Rhodophyte-Derived Secondhand Plastid Genes: Implications for Addressing the Origin and Evolution of Dinoflagellate Plastids. <i>Molecular Biology and Evolution</i> , 2006, 23, 1504-1515.	3.5	50
58	Phylogeny of the Hymenoptera (Insecta): The state of the art. <i>Zoologica Scripta</i> , 1999, 28, 3-11.	0.7	48
59	A mixed relaxed clock model. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150132.	1.8	48
60	Phylogeny of the parasitic wasp subfamily Euphorinae (Braconidae) and evolution of its host preferences. <i>Systematic Entomology</i> , 2015, 40, 570-591.	1.7	46
61	Bayesian analysis of amino acid substitution models. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 3941-3953.	1.8	42
62	Bayesian Phylogenetics and Its Influence on Insect Systematics. <i>Annual Review of Entomology</i> , 2010, 55, 189-206.	5.7	42
63	Phylogeny of <i>Polygonia</i> , <i>Nymphalis</i> and related butterflies (Lepidoptera: Nymphalidae): a total-evidence analysis. <i>Zoological Journal of the Linnean Society</i> , 2001, 132, 441-468.	1.0	39
64	Revision of the Western Palearctic Meteorini (Hymenoptera, Braconidae), with a molecular characterization of hidden Fennoscandian species diversity. <i>Zootaxa</i> , 2011, 3084, .	0.2	38
65	Three-Dimensional Cost-Matrix Optimization and Maximum Cospeciation. <i>Cladistics</i> , 1998, 14, 167-172.	1.5	35
66	“Forms” of water mites (Acari: Hydrachnidia): intraspecific variation or valid species?. <i>Ecology and Evolution</i> , 2013, 3, 3415-3435.	0.8	35
67	Comparative morphology of terminal-instar larvae of Cynipoidea: phylogenetic implications. <i>Zoologica Scripta</i> , 2005, 34, 15-36.	0.7	32
68	The effect of ethanol concentration on the morphological and molecular preservation of insects for biodiversity studies. <i>PeerJ</i> , 2021, 9, e10799.	0.9	32
69	A Bayesian Perspective on a Non-parsimonious Parsimony Model. <i>Systematic Biology</i> , 2008, 57, 406-419.	2.7	28
70	Completing Linnaeus’s inventory of the Swedish insect fauna: Only 5,000 species left?. <i>PLoS ONE</i> , 2020, 15, e0228561.	1.1	28
71	Bayesian Inference of Ancestral Host-Parasite Interactions under a Phylogenetic Model of Host Repertoire Evolution. <i>Systematic Biology</i> , 2020, 69, 1149-1162.	2.7	27
72	Ancestral Areas Revisited. <i>Systematic Biology</i> , 1995, 44, 572-575.	2.7	26

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73	Connecting high-throughput biodiversity inventories: Opportunities for a site-based genomic framework for global integration and synthesis. <i>Molecular Ecology</i> , 2021, 30, 1120-1135.	2.0	26
74	Redescription of <i>Acanthaegilips</i> Ashmead, 1897, with characterization of the Anacharitinae and Aspiceratinae (Hymenoptera: Cynipoidea: Figitidae). <i>Zoological Journal of the Linnean Society</i> , 2000, 129, 467-488.	1.0	21
75	Taxonomy and biodiversity inventories: time to deliver. <i>Trends in Ecology and Evolution</i> , 2003, 18, 269-270.	4.2	21
76	A new subfamily of Figitidae (Hymenoptera, Cynipoidea). <i>Zoological Journal of the Linnean Society</i> , 2001, 133, 483-494.	1.0	20
77	Morphology and evolution of the cynipoid egg (Hymenoptera). <i>Zoological Journal of the Linnean Society</i> , 2003, 139, 247-260.	1.0	20
78	Comment on "Phylogenetic MCMC Algorithms Are Misleading on Mixtures of Trees". <i>Science</i> , 2006, 312, 367a-367a.	6.0	19
79	Phylogenetic reconstruction of ancestral ecological networks through time for pierid butterflies and their host plants. <i>Ecology Letters</i> , 2021, 24, 2134-2145.	3.0	17
80	Using Parsimony-Guided Tree Proposals to Accelerate Convergence in Bayesian Phylogenetic Inference. <i>Systematic Biology</i> , 2020, 69, 1016-1032.	2.7	17
81	Bayesian Supertrees. <i>Computational Biology</i> , 2004, , 193-224.	0.1	16
82	Convergent intron gains in hymenopteran elongation factor-1 β . <i>Molecular Phylogenetics and Evolution</i> , 2013, 67, 266-276.	1.2	15
83	Fast Fitch-Parsimony Algorithms for Large Data Sets. <i>Cladistics</i> , 1998, 14, 387-400.	1.5	13
84	The data of the Swedish Malaise Trap Project, a countrywide inventory of Sweden's insect fauna. <i>Biodiversity Data Journal</i> , 2020, 8, e56286.	0.4	12
85	An Efficient Independence Sampler for Updating Branches in Bayesian Markov chain Monte Carlo Sampling of Phylogenetic Trees. <i>Systematic Biology</i> , 2016, 65, 161-176.	2.7	11
86	Universal probabilistic programming offers a powerful approach to statistical phylogenetics. <i>Communications Biology</i> , 2021, 4, 244.	2.0	11
87	Ancestral Areas and Parsimony. <i>Systematic Biology</i> , 1994, 43, 267.	2.7	10
88	Revision of the neotropical Anacharitinae genus <i>Acanthaegilips</i> (Hym., Cynipoidea, Figitidae). <i>Papeis Avulsos De Zoologia</i> , 2003, 43, 11.	0.4	10
89	Evaluation of non-destructive DNA extraction protocols for insect metabarcoding: gentler and shorter is better. <i>Metabarcoding and Metagenomics</i> , 0, 6, .	0.0	10
90	From Inquilines to Gall Inducers: Genomic Signature of a Life-Style Transition in <i>Synergus</i> Gall Wasps. <i>Genome Biology and Evolution</i> , 2020, 12, 2060-2073.	1.1	9

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91	Awakening a taxonomist's third eye: exploring the utility of computer vision and deep learning in insect systematics. <i>Systematic Entomology</i> , 2021, 46, 757-766.	1.7	6
92	<i>Quasimodoana</i> , a new Holarctic genus of eucoiline wasps (Hymenoptera, Cynipoidea, Figitidae), with a phylogenetic analysis of related genera. <i>Systematic Entomology</i> , 2008, 33, 301-318.	1.7	5
93	A new species group in <i>Megaselia</i> , the lucifrons group, with description of a new species (Diptera, Tj ETQq1 1 0.784314 rgBT ₅ /Overlo	0.5	5
94	Life history of <i>Parnips</i> and the evolutionary origin of gall wasps. <i>Journal of Hymenoptera Research</i> , 0, 65, 91-110.	0.8	4
95	Scuttling towards monophyly: phylogeny of the mega-diverse genus <i>Megaselia</i> (Diptera: Phoridae). <i>Systematic Entomology</i> , 2021, 46, 71-82.	1.7	3
96	A new subfamily of Figitidae (Hymenoptera, Cynipoidea). <i>Zoological Journal of the Linnean Society</i> , 2001, 133, 483-494.	1.0	3
97	Phylogenetics: The Theory of Phylogenetic Systematics. Second Edition. By E. O. Wiley and Bruce S. Lieberman. Hoboken (New Jersey): Wiley-Blackwell. \$99.95. xvi + 406 p. + 8 pl.; ill.; index. ISBN: 978-0-470-90596-8. 2011.. <i>Quarterly Review of Biology</i> , 2014, 89, 61-61.	0.0	0
98	General introduction to DINA. <i>Biodiversity Information Science and Standards</i> , 0, 2, e25646.	0.0	0
99	DINA: Open Source and Open Services - A modern approach for natural history collection management systems and research. <i>Biodiversity Information Science and Standards</i> , 0, 3, .	0.0	0
100	Completing Linnaeus's inventory of the Swedish insect fauna: Only 5,000 species left?. , 2020, 15, e0228561.		0
101	Completing Linnaeus's inventory of the Swedish insect fauna: Only 5,000 species left?. , 2020, 15, e0228561.		0
102	Completing Linnaeus's inventory of the Swedish insect fauna: Only 5,000 species left?. , 2020, 15, e0228561.		0
103	Completing Linnaeus's inventory of the Swedish insect fauna: Only 5,000 species left?. , 2020, 15, e0228561.		0