Fredrik Ronquist

List of Publications by Year
in descending order

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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	Scuttling towards monophyly: phylogeny of the megaâ€diverse genus Megaselia (Diptera: Phoridae). Systematic Entomology, 2021, 46, 71-82.	1.7	3
2	Universal probabilistic programming offers a powerful approach to statistical phylogenetics. Communications Biology, 2021, 4, 244.	2.0	11
3	Connecting highâ€throughput biodiversity inventories: Opportunities for a siteâ€based genomic framework for global integration and synthesis. Molecular Ecology, 2021, 30, 1120-1135.	2.0	26
4	The effect of ethanol concentration on the morphological and molecular preservation of insects for biodiversity studies. PeerJ, 2021, 9, e10799.	0.9	32
5	Awakening a taxonomist's third eye: exploring the utility of computer vision and deep learning in insect systematics. Systematic Entomology, 2021, 46, 757-766.	1.7	6
6	Phylogenetic reconstruction of ancestral ecological networks through time for pierid butterflies and their host plants. Ecology Letters, 2021, 24, 2134-2145.	3.0	17
7	From Inquilines to Gall Inducers: Genomic Signature of a Life-Style Transition in Synergus Gall Wasps. Genome Biology and Evolution, 2020, 12, 2060-2073.	1.1	9
8	Bayesian Inference of Ancestral Hostâ€“Parasite Interactions under a Phylogenetic Model of Host Repertoire Evolution. Systematic Biology, 2020, 69, 1149-1162.	2.7	27
9	Completing Linnaeusâ€™s inventory of the Swedish insect fauna: Only 5,000 species left?. PLoS ONE, 2020, 15, e0228561.	1.1	28
10	Using Parsimony-Guided Tree Proposals to Accelerate Convergence in Bayesian Phylogenetic Inference. Systematic Biology, 2020, 69, 1016-1032.	2.7	17
11	The Swedish Malaise Trap Project: A 15 Year Retrospective on a Countrywide Insect Inventory. Biodiversity Data Journal, 2020, 8, e47255.	0.4	67
12	The data of the Swedish Malaise Trap Project, a countrywide inventory of Sweden's insect fauna. Biodiversity Data Journal, 2020, 8, e56286.	0.4	12
13	Completing Linnaeusâ€™s inventory of the Swedish insect fauna: Only 5,000 species left?. , 2020, 15, e0228561.		0
14	Completing Linnaeusâ€™s inventory of the Swedish insect fauna: Only 5,000 species left?. , 2020, 15, e0228561.		0
15	Completing Linnaeusâ€™s inventory of the Swedish insect fauna: Only 5,000 species left?. , 2020, 15, e0228561.		0
16	Completing Linnaeusâ€™s inventory of the Swedish insect fauna: Only 5,000 species left?. , 2020, 15, e0228561.		0
17	Establishing arthropod community composition using metabarcoding: Surprising inconsistencies between soil samples and preservative ethanol and homogenate from Malaise trap catches. Molecular Ecology Resources, 2019, 19, 1516-1530.	2.2	64
18	Automated Taxonomic Identification of Insects with Expert-Level Accuracy Using Effective Feature Transfer from Convolutional Networks. Systematic Biology, 2019, 68, 876-895.	2.7	97

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19	New mitochondrial primers for metabarcoding of insects, designed and evaluated using in silico methods. Molecular Ecology Resources, 2019, 19, 90-104.	2.2	69
20	RevBayes: Bayesian Phylogenetic Inference Using Graphical Models and an Interactive Model-Specification Language. Systematic Biology, 2016, 65, 726-736.	2.7	538
21	A mixed relaxed clock model. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150132.	1.8	48
22	Closing the gap between rocks and clocks using total-evidence dating. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150136.	1.8	115
23	An Efficient Independence Sampler for Updating Branches in Bayesian Markov chain Monte Carlo Sampling of Phylogenetic Trees. Systematic Biology, 2016, 65, 161-176.	2.7	11
24	Xenacoelomorpha is the sister group to Nephrozoa. Nature, 2016, 530, 89-93.	13.7	301
25	Total-Evidence Dating under the Fossilized Birthâ€“Death Process. Systematic Biology, 2016, 65, 228-249.	2.7	304
26	Phylogeny of the parasitic wasp subfamily Euphorinae (Braconidae) and evolution of its host preferences. Systematic Entomology, 2015, 40, 570-591.	1.7	46
27	Phylogeny, Evolution and Classification of Gall Wasps: The Plot Thickens. PLoS ONE, 2015, 10, e0123301.	1.1	136
28	A Nonstationary Markov Model Detects Directional Evolution in Hymenopteran Morphology. Systematic Biology, 2015, 64, 1089-1103.	2.7	75
29	A new species group in Megaselia, the lucifrons group, with description of a new species (Diptera,) Tj ETQq1 1 0.784314 rgBT /Overlo	0.5	5
30	Probabilistic Graphical Model Representation in Phylogenetics. Systematic Biology, 2014, 63, 753-771.	2.7	96
31	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.. Quarterly Review of Biology, 2014, 89, 61-61.	0.0	0
32	Convergent intron gains in hymenopteran elongation factor-1Î±. Molecular Phylogenetics and Evolution, 2013, 67, 266-276.	1.2	15
33	â€œFormsâ€•of water mites (Acari: Hydrachnidia): intraspecific variation or valid species?. Ecology and Evolution, 2013, 3, 3415-3435.	0.8	35
34	Bayesian Tests of Topology Hypotheses with an Example from Diving Beetles. Systematic Biology, 2013, 62, 660-673.	2.7	97
35	The Hymenopteran Tree of Life: Evidence from Protein-Coding Genes and Objectively Aligned Ribosomal Data. PLoS ONE, 2013, 8, e69344.	1.1	116
36	BEAGLE: An Application Programming Interface and High-Performance Computing Library for Statistical Phylogenetics. Systematic Biology, 2012, 61, 170-173.	2.7	555

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37	MrBayes 3.2: Efficient Bayesian Phylogenetic Inference and Model Choice Across a Large Model Space. Systematic Biology, 2012, 61, 539-542.	2.7	20,458
38	A Total-Evidence Approach to Dating with Fossils, Applied to the Early Radiation of the Hymenoptera. Systematic Biology, 2012, 61, 973-999.	2.7	742
39	Skeletal Morphology of Opius dissitus and Biosteres carbonarius (Hymenoptera: Braconidae), with a Discussion of Terminology. PLoS ONE, 2012, 7, e32573.	1.1	56
40	Phylogenetic relationships among superfamilies of Hymenoptera. Cladistics, 2012, 28, 80-112.	1.5	147
41	Phylogenetic Methods in Biogeography. Annual Review of Ecology, Evolution, and Systematics, 2011, 42, 441-464.	3.8	222
42	Revision of the Western Palearctic Meteorini (Hymenoptera, Braconidae), with a molecular characterization of hidden Fennoscandian species diversity. Zootaxa, 2011, 3084, .	0.2	38
43	Evolution of the hymenopteran megaradiation. Molecular Phylogenetics and Evolution, 2011, 60, 73-88.	1.2	171
44	Inferring Speciation and Extinction Rates under Different Sampling Schemes. Molecular Biology and Evolution, 2011, 28, 2577-2589.	3.5	144
45	Bayesian island biogeography in a continental setting: the Rand Flora case. Biology Letters, 2010, 6, 703-707.	1.0	88
46	Bayesian Phylogenetics and Its Influence on Insect Systematics. Annual Review of Entomology, 2010, 55, 189-206.	5.7	42
47	Inferring dispersal: a Bayesian approach to phylogenyâ€based island biogeography, with special reference to the Canary Islands. Journal of Biogeography, 2008, 35, 428-449.	1.4	208
48	Quasimodoana, a new Holarctic genus of eucoiline wasps (Hymenoptera, Cynipoidea, Figitidae), with a phylogenetic analysis of related genera. Systematic Entomology, 2008, 33, 301-318.	1.7	5
49	Efficiency of Markov Chain Monte Carlo Tree Proposals in Bayesian Phylogenetics. Systematic Biology, 2008, 57, 86-103.	2.7	146
50	A Bayesian Perspective on a Non-parsimonious Parsimony Model. Systematic Biology, 2008, 57, 406-419.	2.7	28
51	Bayesian analysis of amino acid substitution models. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3941-3953.	1.8	42
52	A fully web-illustrated morphological phylogenetic study of relationships among oak gall wasps and their closest relatives (Hymenoptera: Cynipidae). Zootaxa, 2008, 1796, 1.	0.2	112
53	Heterotachy Processes in Rhodophyte-Derived Secondhand Plastid Genes: Implications for Addressing the Origin and Evolution of Dinoflagellate Plastids. Molecular Biology and Evolution, 2006, 23, 1504-1515.	3.5	50
54	Comment on "Phylogenetic MCMC Algorithms Are Misleading on Mixtures of Trees". Science, 2006, 312, 367a-367a.	6.0	19

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55	Comparative morphology of terminal-instar larvae of Cynipoidea: phylogenetic implications. Zoologica Scripta, 2005, 34, 15-36.	0.7	32
56	Bayesian Analysis of Molecular Evolution Using MrBayes. , 2005, , 183-226.		165
57	Parallel Metropolis coupled Markov chain Monte Carlo for Bayesian phylogenetic inference. Bioinformatics, 2004, 20, 407-415.	1.8	972
58	Bayesian Inference of the Metazoan Phylogeny. Current Biology, 2004, 14, 1644-1649.	1.8	132
59	Bayesian Phylogenetic Analysis of Combined Data. Systematic Biology, 2004, 53, 47-67.	2.7	1,636
60	Bayesian inference of character evolution. Trends in Ecology and Evolution, 2004, 19, 475-481.	4.2	285
61	Southern Hemisphere Biogeography Inferred by Event-Based Models: Plant versus Animal Patterns. Systematic Biology, 2004, 53, 216-243.	2.7	796
62	Bayesian Supertrees. Computational Biology, 2004, , 193-224.	0.1	16
63	Morphology and evolution of the cynipoid egg (Hymenoptera). Zoological Journal of the Linnean Society, 2003, 139, 247-260.	1.0	20
64	MrBayes 3: Bayesian phylogenetic inference under mixed models. Bioinformatics, 2003, 19, 1572-1574.	1.8	26,519
65	Taxonomy and biodiversity inventories: time to deliver. Trends in Ecology and Evolution, 2003, 18, 269-270.	4.2	21
66	Revision of the neotropical Anacharitinae genus Acanthaegilips (Hym., Cynipoidea, Figitidae). Papeis Avulsos De Zoologia, 2003, 43, 11.	0.4	10
67	Potential Applications and Pitfalls of Bayesian Inference of Phylogeny. Systematic Biology, 2002, 51, 673-688.	2.7	721
68	A Maximum-Likelihood Analysis of Eight Phylogenetic Markers in Gallwasps (Hymenoptera: Cynipidae): Implications for Insect Phylogenetic Studies. Molecular Phylogenetics and Evolution, 2002, 22, 206-219.	1.2	98
69	MRBAYES: Bayesian inference of phylogenetic trees. Bioinformatics, 2001, 17, 754-755.	1.8	20,154
70	Bayesian Inference of Phylogeny and Its Impact on Evolutionary Biology. Science, 2001, 294, 2310-2314.	6.0	2,416
71	Patterns of animal dispersal, vicariance and diversification in the Holarctic. Biological Journal of the Linnean Society, 2001, 73, 345-390.	0.7	326
72	A new subfamily of Figitidae (Hymenoptera, Cynipoidea). Zoological Journal of the Linnean Society, 2001, 133, 483-494.	1.0	20

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73	Phylogeny of Polygonia, Nymphalis and related butterflies (Lepidoptera: Nymphalidae): a total-evidence analysis. Zoological Journal of the Linnean Society, 2001, 132, 441-468.	1.0	39
74	EVOLUTION OF THE GALL WASP-HOST PLANT ASSOCIATION. Evolution; International Journal of Organic Evolution, 2001, 55, 2503-2522.	1.1	159
75	EVOLUTION OF THE GALL WASPâ€“HOST PLANT ASSOCIATION. Evolution; International Journal of Organic Evolution, 2001, 55, 2503.	1.1	102
76	A new subfamily of Figitidae (Hymenoptera, Cynipoidea). Zoological Journal of the Linnean Society, 2001, 133, 483-494.	1.0	3
77	Redescription of Acanthaegilips Ashmead, 1897, with characterization of the Anacharitinae and Aspiceratinae (Hymenoptera: Cynipoidea: Figitidae). Zoological Journal of the Linnean Society, 2000, 129, 467-488.	1.0	21
78	The shifting roles of dispersal and vicariance in biogeography. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 497-503.	1.2	126
79	Phylogeny of the Hymenoptera (Insecta): The state of the art. Zoologica Scripta, 1999, 28, 3-11.	0.7	48
80	Phylogeny, classification and evolution of the Cynipoidea. Zoologica Scripta, 1999, 28, 139-164.	0.7	212
81	Phylogeny of the Hymenoptera: A cladistic reanalysis of Rasnitsyn's (1988) data. Zoologica Scripta, 1999, 28, 13-50.	0.7	182
82	Three-Dimensional Cost-Matrix Optimization and Maximum Cospeciation. Cladistics, 1998, 14, 167-172.	1.5	35
83	Fast Fitch-Parsimony Algorithms for Large Data Sets. Cladistics, 1998, 14, 387-400.	1.5	62
84	A phylogenetic analysis of higher-level gall wasp relationships (Hymenoptera: Cynipidae). Systematic Entomology, 1998, 23, 229-252.	1.7	130
85	Fast Fitch-Parsimony Algorithms for Large Data Sets. Cladistics, 1998, 14, 387-400.	1.5	13
86	Dispersal-Vicariance Analysis: A New Approach to the Quantification of Historical Biogeography. Systematic Biology, 1997, 46, 195-203.	2.7	1,434
87	Phylogenetic approaches in coevolution and biogeography. Zoologica Scripta, 1997, 26, 313-322.	0.7	100
88	Phylogeny and historical biogeography of the cynipoid wasp family Ibaliidae (Hymenoptera). Systematic Entomology, 1996, 21, 151-166.	1.7	54
89	Matrix Representation of Trees, Redundancy, and Weighting. Systematic Biology, 1996, 45, 247-253.	2.7	68
90	RECONSTRUCTING THE HISTORY OF HOST-PARASITE ASSOCIATIONS USING GENERALISED PARSIMONY. Cladistics, 1995, 11, 73-89.	1.5	104

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91	Phylogeny and early evolution of the Cynipoidea (Hymenoptera). Systematic Entomology, 1995, 20, 309-335.	1.7	140
92	Ancestral Areas Revisited. Systematic Biology, 1995, 44, 572-575.	2.7	26
93	Ancestral Areas and Parsimony. Systematic Biology, 1994, 43, 267.	2.7	10
94	Ancestral Areas and Parsimony. Systematic Biology, 1994, 43, 267-274.	2.7	111
95	Evolution of Parasitism among Closely Related Species: Phylogenetic Relationships and the Origin of Inquilinism in Gall Wasps (Hymenoptera, Cynipidae). Evolution; International Journal of Organic Evolution, 1994, 48, 241.	1.1	63
96	EVOLUTION OF PARASITISM AMONG CLOSELY RELATED SPECIES: PHYLOGENETIC RELATIONSHIPS AND THE ORIGIN OF INQUILINISM IN GALL WASPS (HYMENOPTERA, CYNIPIDAE). Evolution; International Journal of Organic Evolution, 1994, 48, 241-266.	1.1	96
97	Free Amino Acid Composition of Leaf Exudates and Phloem Sap. Plant Physiology, 1990, 92, 222-226.	2.3	130
98	Process and Pattern in the Evolution of Species Associations. Systematic Zoology, 1990, 39, 323.	1.6	67
99	A hymenopteristsâ€™ guide to the Hymenoptera Anatomy Ontology: utility, clarification, and future directions. Journal of Hymenoptera Research, 0, 27, 67-88.	0.8	64
100	Life history of Parnips and the evolutionary origin of gall wasps. Journal of Hymenoptera Research, 0, 65, 91-110.	0.8	4
101	General introduction to DINA. Biodiversity Information Science and Standards, 0, 2, e25646.	0.0	0
102	DINA: Open Source and Open Services - A modern approach for natural history collection management systems andÂresearch. Biodiversity Information Science and Standards, 0, 3, .	0.0	0
103	ï»¿Evaluation of non-destructive DNA extraction protocols for insect metabarcoding: gentler and shorter is better. Metabarcoding and Metagenomics, 0, 6, .	0.0	10