Olaf Rp: Bininda-Emonds

List of Publications by Year
in descending order

114 papers	14,690 citations	41344 49 h-index	23533 111 g-index
117 all docs	117 docs citations	117 times ranked	15901 citing authors

#	Article	IF	Citations
1	The delayed rise of present-day mammals. Nature, 2007, 446, 507-512.	27.8	1,832
2	Considering evolutionary processes in conservation biology. Trends in Ecology and Evolution, 2000, 15, 290-295.	8.7	1,567
3	PanTHERIA: a speciesâ€level database of life history, ecology, and geography of extant and recently extinct mammals. Ecology, 2009, 90, 2648-2648.	3.2	1,322
4	Multiple Causes of High Extinction Risk in Large Mammal Species. Science, 2005, 309, 1239-1241.	12.6	1,035
5	How Many Bootstrap Replicates Are Necessary?. Journal of Computational Biology, 2010, 17, 337-354.	1.6	800
6	Building large trees by combining phylogenetic information: a complete phylogeny of the extant Carnivora (Mammalia). Biological Reviews, 1999, 74, 143-175.	10.4	552
7	Geographical variation in predictors of mammalian extinction risk: big is bad, but only in the tropics. Ecology Letters, 2009, 12, 538-549.	6.4	496
8	The Impact of Species Concept on Biodiversity Studies. Quarterly Review of Biology, 2004, 79, 161-179.	0.1	483
9	Updating the evolutionary history of Carnivora (Mammalia): a new species-level supertree complete with divergence time estimates. BMC Biology, 2012, 10, 12.	3.8	354
10	The Fastâ€Slow Continuum in Mammalian Life History: An Empirical Reevaluation. American Naturalist, 2007, 169, 748-757.	2.1	343
11	A phylogenetic supertree of the bats (Mammalia: Chiroptera). Biological Reviews, 2002, 77, 223-259.	10.4	322
12	The evolution of supertrees. Trends in Ecology and Evolution, 2004, 19, 315-322.	8.7	288
13	How Many Bootstrap Replicates Are Necessary?. Lecture Notes in Computer Science, 2009, , 184-200.	1.3	263
14	A complete phylogeny of the whales, dolphins and evenâ€toed hoofed mammals (Cetartiodactyla). Biological Reviews, 2005, 80, 445-473.	10.4	234
15	The (Super)Tree of Life: Procedures, Problems, and Prospects. Annual Review of Ecology, Evolution, and Systematics, 2002, 33, 265-289.	6.7	222
16	transAlign: using amino acids to facilitate the multiple alignment of protein-coding DNA sequences. BMC Bioinformatics, 2005, 6, 156.	2.6	185
17	A species-level phylogenetic supertree of marsupials. Journal of Zoology, 2004, 264, 11-31.	1.7	181
18	Phylogeny and divergence of the pinnipeds (Carnivora: Mammalia) assessed using a multigene dataset. BMC Evolutionary Biology, 2007, 7, 216.	3.2	166

#	Article	IF	Citations
19	Correlates of substitution rate variation in mammalian protein-coding sequences. BMC Evolutionary Biology, 2008, 8, 53.	3.2	146
20	Flight of the Dodo. Science, 2002, 295, 1683-1683.	12.6	143
21	BATS, CLOCKS, AND ROCKS: DIVERSIFICATION PATTERNS IN CHIROPTERA. Evolution; International Journal of Organic Evolution, 2005, 59, 2243-2255.	2.3	135
22	Phylogenetic trees and the future of mammalian biodiversity. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11556-11563.	7.1	131
23	Exploration strategies map along fastâ€"slow metabolic and lifeâ€history continua in muroid rodents. Functional Ecology, 2009, 23, 150-156.	3.6	127
24	The diversity and evolution of anuran skin peptides. Peptides, 2015, 63, 96-117.	2.4	126
25	Assessment of the Accuracy of Matrix Representation with Parsimony Analysis Supertree Construction. Systematic Biology, 2001, 50, 565-579.	5.6	122
26	The adaptive significance of coloration in lagomorphs. Biological Journal of the Linnean Society, 2003, 79, 309-328.	1.6	122
27	Quantifying the Phylodynamic Forces Driving Papillomavirus Evolution. Molecular Biology and Evolution, 2011, 28, 2101-2113.	8.9	114
28	Evidence for Multiple Alleles at the DGAT1 Locus Better Explains a Quantitative Trait Locus With Major Effect on Milk Fat Content in Cattle. Genetics, 2004, 167, 1873-1881.	2.9	111
29	A New Technique for Identifying Sequence Heterochrony. Systematic Biology, 2005, 54, 230-240.	5.6	106
30	A higher-level MRP supertree of placental mammals. BMC Evolutionary Biology, 2006, 6, 93.	3.2	97
31	Forelimb-hindlimb developmental timing changes across tetrapod phylogeny. BMC Evolutionary Biology, 2007, 7, 182.	3.2	93
32	Analyzing Developmental Sequences Within a Phylogenetic Framework. Systematic Biology, 2002, 51, 478-491.	5.6	91
33	Inverting the hourglass: quantitative evidence against the phylotypic stage in vertebrate development. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 341-346.	2.6	85
34	Supraspecific taxa as terminals in cladistic analysis: implicit assumptions of monophyly and a comparison of methods. Biological Journal of the Linnean Society, 1998, 64, 101-133.	1.6	84
35	Assessment of the Accuracy of Matrix Representation with Parsimony Analysis Supertree Construction. Systematic Biology, 2001, 50, 565-579.	5.6	83
36	Analyzing evolutionary patterns in amniote embryonic development*. Evolution & Development, 2002, 4, 292-302.	2.0	79

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37	Phylogenetically related and ecologically similar carnivores harbour similar parasite assemblages. Journal of Animal Ecology, 2014, 83, 671-680.	2.8	74
38	When genes meet nomenclature: Tortoise phylogeny and the shifting generic concepts of Testudo and Geochelone. Zoology, 2007, 110, 298-307.	1.2	73
39	Molecular time scale of diversification of feeding strategy and morphology in New World Leaf-Nosed Bats (Phyllostomidae): a phylogenetic perspective. , 2012, , 385-409.		64
40	ARE PINNIPEDS FUNCTIONALLY DIFFERENT FROM FISSIPED CARNIVORES? THE IMPORTANCE OF PHYLOGENETIC COMPARATIVE ANALYSES. Evolution; International Journal of Organic Evolution, 2000, 54, 1011-1023.	2.3	63
41	Garbage in, Garbage out. Computational Biology, 2004, , 267-280.	0.2	63
42	Automated Removal of Noisy Data in Phylogenomic Analyses. Journal of Molecular Evolution, 2010, 71, 319-331.	1.8	61
43	Phylogenetics, evolution, and medical importance of polyomaviruses. Infection, Genetics and Evolution, 2009, 9, 784-799.	2.3	59
44	Complete, accurate, mammalian phylogenies aid conservation planning, but not much. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2652-2660.	4.0	59
45	Is Sequence Heterochrony an Important Evolutionary Mechanism in Mammals?. Journal of Mammalian Evolution, 2003, 10, 335-361.	1.8	56
46	Building large trees by combining phylogenetic information: a complete phylogeny of the extant Carnivora (Mammalia). Biological Reviews, 1999, 74, 143-175.	10.4	56
47	Evolution of the Cation Chloride Cotransporter Family: Ancient Origins, Gene Losses, and Subfunctionalization through Duplication. Molecular Biology and Evolution, 2014, 31, 434-447.	8.9	54
48	The genome of Oryctes rhinoceros nudivirus provides novel insight into the evolution of nuclear arthropod-specific large circular double-stranded DNA viruses. Virus Genes, 2011, 42, 444-456.	1.6	53
49	From Haeckel to event-pairing: the evolution of developmental sequences. Theory in Biosciences, 2002, 121, 297-320.	1.4	51
50	A phylogenetic supertree of the fowls (Galloanserae, Aves). Zoologica Scripta, 2009, 38, 465-481.	1.7	49
51	Novel Versus Unsupported Clades: Assessing the Qualitative Support for Clades in MRP Supertrees. Systematic Biology, 2003, 52, 839-848.	5.6	46
52	Novel versus unsupported clades: assessing the qualitative support for clades in MRP supertrees. Systematic Biology, 2003, 52, 839-48.	5.6	45
53	MORPHOLOGICAL VARIABILITY AND EVOLUTION OF THE BACULUM (OS PENIS) IN MUSTELIDAE (CARNIVORA). Journal of Mammalogy, 2003, 84, 673-690.	1.3	44
54	Evolution of four BK virus subtypes. Infection, Genetics and Evolution, 2008, 8, 632-643.	2.3	43

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55	Are Voluntary Wheel Running and Open-Field Behavior Correlated in Mice? Different Answers from Comparative and Artificial Selection Approaches. Behavior Genetics, 2012, 42, 830-844.	2.1	41
56	Trees Versus Characters and the Supertree/Supermatrix â€œParadoxâ€. Systematic Biology, 2004, 53, 356-359.	5.6	39
57	Comparative methods in developmental biology. Zoology, 2001, 104, 278-283.	1.2	35
58	Supertrees Are a Necessary Not-So-Evil: A Comment on Gatesy et al.. Systematic Biology, 2003, 52, 724-729.	5.6	34
59	Evidence for convergent evolution in the antimicrobial peptide system in anuran amphibians. Peptides, 2011, 32, 20-25.	2.4	34
60	The utility of chemical signals as phylogenetic characters: an example from the Felidae. Biological Journal of the Linnean Society, 2001, 72, 1-15.	1.6	33
61	Getting to the Roots of Matrix Representation. Systematic Biology, 2005, 54, 668-672.	5.6	33
62	An integrative approach identifies developmental sequence heterochronies in freshwater basommatophoran snails. Evolution & Development, 2007, 9, 122-130.	2.0	33
63	A genus-level supertree of Adephaga (Coleoptera). Organisms Diversity and Evolution, 2008, 7, 255-269.	1.6	33
64	Time-dependent Gene Expression Analysis of the Developing Superior Olivary Complex. Journal of Biological Chemistry, 2013, 288, 25865-25879.	3.4	32
65	A novel method for comparative analysis of retinal specialization traits from topographic maps. Journal of Vision, 2012, 12, 13-13.	0.3	30
66	Supertree Construction in the Genomic Age. Methods in Enzymology, 2005, 395, 745-757.	1.0	27
67	Genomic organization of the DGAT2/MOGAT gene family in cattle <i>(Bos taurus)</i> and other mammals. Cytogenetic and Genome Research, 2003, 102, 42-47.	1.1	26
68	Fast Genes and Slow Clades: Comparative Rates of Molecular Evolution in Mammals. Evolutionary Bioinformatics, 2007, 3, 117693430700300.	1.2	26
69	Fast genes and slow clades: comparative rates of molecular evolution in mammals. Evolutionary Bioinformatics, 2007, 3, 59-85.	1.2	26
70	Does retinal configuration make the head and eyes of foveate birds move?. Scientific Reports, 2017, 7, 38406.	3.3	25
71	The calculus of biodiversity: integrating phylogeny and conservation. Trends in Ecology and Evolution, 2000, 15, 92-94.	8.7	24
72	Factors Influencing Phylogenetic Inference: A Case Study Using the Mammalian Carnivores. Molecular Phylogenetics and Evolution, 2000, 16, 113-126.	2.7	23

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73	Unraveling the origin of Cladocera by identifying heterochrony in the developmental sequences of Branchiopoda. Frontiers in Zoology, 2013, 10, 35.	2.0	22
74	Can heterochrony help explain the high morphological diversity within the genus Niphargus (Crustacea: Amphipoda)?. Organisms Diversity and Evolution, 2008, 8, 146-162.	1.6	21
75	A comprehensive phylogeny of extant horses, rhinos and tapirs (Perissodactyla) through data combination. Zoosystematics and Evolution, 2009, 85, 277-292.	1.1	21
76	Antimicrobial peptides and alytesin are co-secreted from the venom of the Midwife toad, Alytes maurus (Alytidae, Anura): Implications for the evolution of frog skin defensive secretions. Toxicon, 2012, 60, 967-981.	1.6	21
77	Flippers versus feet: comparative trends in aquatic and non-aquatic carnivores. Journal of Animal Ecology, 2001, 70, 386-400.	2.8	20
78	PINNIPED BRAIN SIZES. Marine Mammal Science, 2000, 16, 469-481.	1.8	19
79	Amalgamating Source Trees with Different Taxonomic Levels. Systematic Biology, 2013, 62, 231-249.	5.6	17
80	Phylogeographical analysis of<i>Ligia oceanica</i>(Crustacea: Isopoda) reveals two deeply divergent mitochondrial lineages. Biological Journal of the Linnean Society, 2014, 112, 16-30.	1.6	17
81	Flight style in bats as predicted from wing morphometry: the effects of specimen preservation. Journal of Zoology, 1994, 234, 275-287.	1.7	16
82	Population structuring in the monogonont rotifer <i><scp>S</scp>ynchaeta pectinata</i>: high genetic divergence on a small geographical scale. Freshwater Biology, 2015, 60, 1364-1378.	2.4	15
83	Supraspecific taxa as terminals in cladistic analysis: implicit assumptions of monophyly and a comparison of methods. Biological Journal of the Linnean Society, 1998, 64, 101-133.	1.6	15
84	From Haeckel to event-pairing: the evolution of developmental sequences. Theory in Biosciences, 2002, 121, 297-320.	1.4	12
85	How does the "ancient" asexual Philodina roseola (Rotifera: Bdelloidea) handle potential UVB-induced mutations?. Journal of Experimental Biology, 2013, 216, 3090-5.	1.7	12
86	Molecular cloning of skin peptide precursor-encoding cDNAs from tibial gland secretion of the Giant Monkey Frog, Phyllomedusa bicolor (Hylidae, Anura). Peptides, 2012, 38, 371-376.	2.4	11
87	Supporting species in ODE: explaining and citing. Organisms Diversity and Evolution, 2011, 11, 1-2.	1.6	10
88	Species status and population structure of mussels (Mollusca: Bivalvia: Mytilus spp.) in the Wadden Sea of Lower Saxony (Germany). Organisms Diversity and Evolution, 2012, 12, 387-402.	1.6	10
89	An Introduction to Supertree Construction (and Partitioned Phylogenetic Analyses) with a View Toward the Distinction Between Gene Trees and Species Trees. , 2014, , 49-76.		10
90	Evidence Supporting the Uptake and Genomic Incorporation of Environmental DNA in the â€œAncient Asexualâ€•Bdelloid Rotifer Philodina roseola. Life, 2016, 6, 38.	2.4	8

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91	The evolution of Synchaetidae (Rotifera: Monogononta) with a focus on <i>Synchaeta</i> : An integrative approach combining molecular and morphological data. Journal of Zoological Systematics and Evolutionary Research, 2020, 58, 823-857.	1.4	7
92	New uses for old phylogenies. Computational Biology, 2004, , 3-14.	0.2	7
93	18S rRNA variability maps reveal three highly divergent, conserved motifs within Rotifera. Bmc Ecology and Evolution, 2021, 21, 118.	1.6	6
94	Novel Versus Unsupported Clades: Assessing the Qualitative Support for Clades in MRP Supertrees. Systematic Biology, 2003, 52, 839-848.	5.6	6
95	A weighted taxonomic matrix key for species of the rotifer genus Synchaeta (Rotifera, Monogononta,) Tj ETQq1 1 0.784314 rgBT /Overl	1.1	6
96	ARE PINNIPEDS FUNCTIONALLY DIFFERENT FROM FISSIPED CARNIVORES? THE IMPORTANCE OF PHYLOGENETIC COMPARATIVE ANALYSES. Evolution; International Journal of Organic Evolution, 2000, 54, 1011.	2.3	5
97	BATS, CLOCKS, AND ROCKS: DIVERSIFICATION PATTERNS IN CHIROPTERA. Evolution; International Journal of Organic Evolution, 2005, 59, 2243.	2.3	5
98	Rocking clocks and clocking rocks: a critical look at divergence time estimation in mammals. , 0, , 38-82.		5
99	A comprehensive and integrative re-description of Synchaeta oblonga and its relationship to Synchaeta tremula, Synchaeta rufina and Synchaeta littoralis (Rotifera: Monogononta). Organisms Diversity and Evolution, 2018, 18, 407-423.	1.6	5
100	Lethal effects and ultrastructure of cellular uptake of ingested gold nanoparticles in the freshwater rotifer Brachionus calyciflorus (Monogononta: Brachionidae). Environmental Pollution, 2021, 289, 117897.	7.5	5
101	Comment on â€œImpacts of the Cretaceous Terrestrial Revolution and KPg Extinction on Mammal Diversificationâ€. Science, 2012, 337, 34-34.	12.6	4
102	A comprehensive and integrative re-description of Synchaeta tremulaÂ(MÃ¼ller, 1786) and the newly rediscovered Synchaeta tremuloida Pourriot, 1965 (Rotifera: Synchaetidae). Zootaxa, 2017, 4276, 503.	0.5	4
103	On the importance of robust species descriptions for Rotifera: re-descriptions of Synchaeta stylata and Synchaeta longipes and a comparison to Synchaeta jollyae. Zoologischer Anzeiger, 2018, 277, 42-54.	0.9	4
104	Inferring the Tree of Life: chopping a phylogenomic problem down to size?. BMC Biology, 2011, 9, 59.	3.8	3
105	Molecular cloning of the trypsin inhibitor from the skin secretion of the Madagascan Tomato Frog, Dyscophus guineti (Microhylidae), and insights into its potential defensive role. Organisms Diversity and Evolution, 2013, 13, 453-461.	1.6	3
106	Is the valid species <i>Synchaeta monopus</i> Plate, 1889 (Rotifera: Monogononta) a product of preparation artefacts?. Journal of Natural History, 2019, 53, 413-423.	0.5	3
107	Effects of preservation on wing morphometry of the little brown bat (<i>Myotis lucifugus</i>). Journal of Zoology, 1993, 230, 141-158.	1.7	2
108	Response to Comment on â€œImpacts of the Cretaceous Terrestrial Revolution and KPg Extinction on Mammal Diversificationâ€. Science, 2012, 337, 34-34.	12.6	2

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109	Phenotypic influences on the reproductive strategy of the facultative sexual rotifer Brachionus rubens (Monogononta). Organisms Diversity and Evolution, 2017, 17, 779-788.	1.6	2
110	Immediate and heritable costs of desiccation on the life history of the bdelloid rotifer Philodina roseola. Organisms Diversity and Evolution, 2018, 18, 399-406.	1.6	2
111	A decade of ODE: looking back and looking forward. Organisms Diversity and Evolution, 2010, 10, 1-4.	1.6	1
112	Cloning of a novel trypsin inhibitor from the Traditional Chinese medicine decoction pieces, Radix Trichosanthis. Analytical Biochemistry, 2019, 578, 23-28.	2.4	1
113	The utility of chemical signals as phylogenetic characters: an example from the Felidae. Biological Journal of the Linnean Society, 2001, 72, 1-15.	1.6	1
114	Sealing the fate of a historical taxonomy. Trends in Ecology and Evolution, 2002, 17, 109.	8.7	0