# Olaf Rp: Bininda-Emonds

List of Publications by Year
in descending order



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

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 18S rRNA variability maps reveal three highly divergent, conserved motifs within Rotifera. Bmc Ecology and Evolution, 2021, 21, 118. | 1.6 | 6 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Cloning of a novel trypsin inhibitor from the Traditional Chinese medicine decoction pieces, Radix Trichosanthis. Analytical Biochemistry, 2019, 578, 23-28. | 2.4 | 1 |
| 6 | A weighted taxonomic matrix key for species of the rotifer genus Synchaeta (Rotifera, Monogononta,) Tj ETQq0 0 0 rgBT /Overlock 10 T | 1.1 | 6 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Does retinal configuration make the head and eyes of foveate birds move?. Scientific Reports, 2017, 7, 38406. | 3.3 | 25 |
| 13 | 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 |
| 14 | 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 |
| 15 | The diversity and evolution of anuran skin peptides. Peptides, 2015, 63, 96-117. | 2.4 | 126 |
| 16 | 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 |
| 17 | Phylogenetically related and ecologically similar carnivores harbour similar parasite assemblages. Journal of Animal Ecology, 2014, 83, 671-680. | 2.8 | 74 |
| 18 | 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 |

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|---|---|---|---|
| 19 | 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 |
| 20 | Unraveling the origin of Cladocera by identifying heterochrony in the developmental sequences of Branchiopoda. Frontiers in Zoology, 2013, 10, 35. | 2.0 | 22 |
| 21 | 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 |
| 22 | 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 |
| 23 | Amalgamating Source Trees with Different Taxonomic Levels. Systematic Biology, 2013, 62, 231-249. | 5.6 | 17 |
| 24 | Time-dependent Gene Expression Analysis of the Developing Superior Olivary Complex. Journal of Biological Chemistry, 2013, 288, 25865-25879. | 3.4 | 32 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Comment on â€œImpacts of the Cretaceous Terrestrial Revolution and KPg Extinction on Mammal Diversificationâ€. Science, 2012, 337, 34-34. | 12.6 | 4 |
| 29 | 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 |
| 30 | 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 |
| 31 | Molecular time scale of diversification of feeding strategy and morphology in New World Leaf-Nosed Bats (Phyllostomidae): a phylogenetic perspective. , 2012, , 385-409. | | 64 |
| 32 | A novel method for comparative analysis of retinal specialization traits from topographic maps. Journal of Vision, 2012, 12, 13-13. | 0.3 | 30 |
| 33 | 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 |
| 34 | 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 |
| 35 | Evidence for convergent evolution in the antimicrobial peptide system in anuran amphibians. Peptides, 2011, 32, 20-25. | 2.4 | 34 |
| 36 | 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 |

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|---|---|---|---|
| 37 | Supporting species in ODE: explaining and citing. Organisms Diversity and Evolution, 2011, 11, 1-2. | 1.6 | 10 |
| 38 | Inferring the Tree of Life: chopping a phylogenomic problem down to size?. BMC Biology, 2011, 9, 59. | 3.8 | 3 |
| 39 | Quantifying the Phylodynamic Forces Driving Papillomavirus Evolution. Molecular Biology and Evolution, 2011, 28, 2101-2113. | 8.9 | 114 |
| 40 | Automated Removal of Noisy Data in Phylogenomic Analyses. Journal of Molecular Evolution, 2010, 71, 319-331. | 1.8 | 61 |
| 41 | A decade of ODE: looking back and looking forward. Organisms Diversity and Evolution, 2010, 10, 1-4. | 1.6 | 1 |
| 42 | How Many Bootstrap Replicates Are Necessary?. Journal of Computational Biology, 2010, 17, 337-354. | 1.6 | 800 |
| 43 | A comprehensive phylogeny of extant horses, rhinos and tapirs (Perissodactyla) through data combination. Zoosystematics and Evolution, 2009, 85, 277-292. | 1.1 | 21 |
| 44 | Exploration strategies map along fastâ€“slow metabolic and lifeâ€history continua in muroid rodents. Functional Ecology, 2009, 23, 150-156. | 3.6 | 127 |
| 45 | 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 |
| 46 | A phylogenetic supertree of the fowls (Galloanserae, Aves). Zoologica Scripta, 2009, 38, 465-481. | 1.7 | 49 |
| 47 | Phylogenetics, evolution, and medical importance of polyomaviruses. Infection, Genetics and Evolution, 2009, 9, 784-799. | 2.3 | 59 |
| 48 | How Many Bootstrap Replicates Are Necessary?. Lecture Notes in Computer Science, 2009, , 184-200. | 1.3 | 263 |
| 49 | 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 |
| 50 | Evolution of four BK virus subtypes. Infection, Genetics and Evolution, 2008, 8, 632-643. | 2.3 | 43 |
| 51 | Correlates of substitution rate variation in mammalian protein-coding sequences. BMC Evolutionary Biology, 2008, 8, 53. | 3.2 | 146 |
| 52 | A genus-level supertree of Adephaga (Coleoptera). Organisms Diversity and Evolution, 2008, 7, 255-269. | 1.6 | 33 |
| 53 | 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 |
| 54 | 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 |

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| 55 | Fast Genes and Slow Clades: Comparative Rates of Molecular Evolution in Mammals. Evolutionary Bioinformatics, 2007, 3, 117693430700300. | 1.2 | 26 |
| 56 | The Fastâ€Slow Continuum in Mammalian Life History: An Empirical Reevaluation. American Naturalist, 2007, 169, 748-757. | 2.1 | 343 |
| 57 | When genes meet nomenclature: Tortoise phylogeny and the shifting generic concepts of Testudo and Geochelone. Zoology, 2007, 110, 298-307. | 1.2 | 73 |
| 58 | The delayed rise of present-day mammals. Nature, 2007, 446, 507-512. | 27.8 | 1,832 |
| 59 | An integrative approach identifies developmental sequence heterochronies in freshwater basommatophoran snails. Evolution & Development, 2007, 9, 122-130. | 2.0 | 33 |
| 60 | Forelimb-hindlimb developmental timing changes across tetrapod phylogeny. BMC Evolutionary Biology, 2007, 7, 182. | 3.2 | 93 |
| 61 | Phylogeny and divergence of the pinnipeds (Carnivora: Mammalia) assessed using a multigene dataset. BMC Evolutionary Biology, 2007, 7, 216. | 3.2 | 166 |
| 62 | Fast genes and slow clades: comparative rates of molecular evolution in mammals. Evolutionary Bioinformatics, 2007, 3, 59-85. | 1.2 | 26 |
| 63 | A higher-level MRP supertree of placental mammals. BMC Evolutionary Biology, 2006, 6, 93. | 3.2 | 97 |
| 64 | BATS, CLOCKS, AND ROCKS: DIVERSIFICATION PATTERNS IN CHIROPTERA. Evolution; International Journal of Organic Evolution, 2005, 59, 2243-2255. | 2.3 | 135 |
| 65 | transAlign: using amino acids to facilitate the multiple alignment of protein-coding DNA sequences. BMC Bioinformatics, 2005, 6, 156. | 2.6 | 185 |
| 66 | A complete phylogeny of the whales, dolphins and evenâ€toed hoofed mammals (Cetartiodactyla). Biological Reviews, 2005, 80, 445-473. | 10.4 | 234 |
| 67 | Getting to the Roots of Matrix Representation. Systematic Biology, 2005, 54, 668-672. | 5.6 | 33 |
| 68 | Supertree Construction in the Genomic Age. Methods in Enzymology, 2005, 395, 745-757. | 1.0 | 27 |
| 69 | A New Technique for Identifying Sequence Heterochrony. Systematic Biology, 2005, 54, 230-240. | 5.6 | 106 |
| 70 | Multiple Causes of High Extinction Risk in Large Mammal Species. Science, 2005, 309, 1239-1241. | 12.6 | 1,035 |
| 71 | BATS, CLOCKS, AND ROCKS: DIVERSIFICATION PATTERNS IN CHIROPTERA. Evolution; International Journal of Organic Evolution, 2005, 59, 2243. | 2.3 | 5 |
| 72 | Trees Versus Characters and the Supertree/Supermatrix â€œParadoxâ€. Systematic Biology, 2004, 53, 356-359. | 5.6 | 39 |

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| 73 | A species-level phylogenetic supertree of marsupials. Journal of Zoology, 2004, 264, 11-31. | 1.7 | 181 |
| 74 | The Impact of Species Concept on Biodiversity Studies. Quarterly Review of Biology, 2004, 79, 161-179. | 0.1 | 483 |
| 75 | 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 |
| 76 | The evolution of supertrees. Trends in Ecology and Evolution, 2004, 19, 315-322. | 8.7 | 288 |
| 77 | New uses for old phylogenies. Computational Biology, 2004, , 3-14. | 0.2 | 7 |
| 78 | Garbage in, Garbage out. Computational Biology, 2004, , 267-280. | 0.2 | 63 |
| 79 | Is Sequence Heterochrony an Important Evolutionary Mechanism in Mammals?. Journal of Mammalian Evolution, 2003, 10, 335-361. | 1.8 | 56 |
| 80 | The adaptive significance of coloration in lagomorphs. Biological Journal of the Linnean Society, 2003, 79, 309-328. | 1.6 | 122 |
| 81 | MORPHOLOGICAL VARIABILITY AND EVOLUTION OF THE BACULUM (OS PENIS) IN MUSTELIDAE (CARNIVORA). Journal of Mammalogy, 2003, 84, 673-690. | 1.3 | 44 |
| 82 | 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 |
| 83 | Supertrees Are a Necessary Not-So-Evil: A Comment on Gatesy et al.. Systematic Biology, 2003, 52, 724-729. | 5.6 | 34 |
| 84 | 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 |
| 85 | Novel Versus Unsupported Clades: Assessing the Qualitative Support for Clades in MRP Supertrees. Systematic Biology, 2003, 52, 839-848. | 5.6 | 46 |
| 86 | Novel Versus Unsupported Clades: Assessing the Qualitative Support for Clades in MRP Supertrees. Systematic Biology, 2003, 52, 839-848. | 5.6 | 6 |
| 87 | Novel versus unsupported clades: assessing the qualitative support for clades in MRP supertrees. Systematic Biology, 2003, 52, 839-48. | 5.6 | 45 |
| 88 | The (Super)Tree of Life: Procedures, Problems, and Prospects. Annual Review of Ecology, Evolution, and Systematics, 2002, 33, 265-289. | 6.7 | 222 |
| 89 | Analyzing Developmental Sequences Within a Phylogenetic Framework. Systematic Biology, 2002, 51, 478-491. | 5.6 | 91 |
| 90 | Flight of the Dodo. Science, 2002, 295, 1683-1683. | 12.6 | 143 |

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| 91 | Sealing the fate of a historical taxonomy. Trends in Ecology and Evolution, 2002, 17, 109. | 8.7 | 0 |
| 92 | From Haeckel to event-pairing: the evolution of developmental sequences. Theory in Biosciences, 2002, 121, 297-320. | 1.4 | 51 |
| 93 | A phylogenetic supertree of the bats (Mammalia: Chiroptera). Biological Reviews, 2002, 77, 223-259. | 10.4 | 322 |
| 94 | Analyzing evolutionary patterns in amniote embryonic development*. Evolution & Development, 2002, 4, 292-302. | 2.0 | 79 |
| 95 | From Haeckel to event-pairing: the evolution of developmental sequences. Theory in Biosciences, 2002, 121, 297-320. | 1.4 | 12 |
| 96 | Flippers versus feet: comparative trends in aquatic and non-aquatic carnivores. Journal of Animal Ecology, 2001, 70, 386-400. | 2.8 | 20 |
| 97 | Comparative methods in developmental biology. Zoology, 2001, 104, 278-283. | 1.2 | 35 |
| 98 | 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 |
| 99 | Assessment of the Accuracy of Matrix Representation with Parsimony Analysis Supertree Construction. Systematic Biology, 2001, 50, 565-579. | 5.6 | 83 |
| 100 | Assessment of the Accuracy of Matrix Representation with Parsimony Analysis Supertree Construction. Systematic Biology, 2001, 50, 565-579. | 5.6 | 122 |
| 101 | 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 |
| 102 | Factors Influencing Phylogenetic Inference: A Case Study Using the Mammalian Carnivores. Molecular Phylogenetics and Evolution, 2000, 16, 113-126. | 2.7 | 23 |
| 103 | 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 |
| 104 | PINNIPED BRAIN SIZES. Marine Mammal Science, 2000, 16, 469-481. | 1.8 | 19 |
| 105 | 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 |
| 106 | Considering evolutionary processes in conservation biology. Trends in Ecology and Evolution, 2000, 15, 290-295. | 8.7 | 1,567 |
| 107 | The calculus of biodiversity: integrating phylogeny and conservation. Trends in Ecology and Evolution, 2000, 15, 92-94. | 8.7 | 24 |
| 108 | Building large trees by combining phylogenetic information: a complete phylogeny of the extant Carnivora (Mammalia). Biological Reviews, 1999, 74, 143-175. | 10.4 | 552 |

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| 109 | Building large trees by combining phylogenetic information: a complete phylogeny of the extant Carnivora (Mammalia). Biological Reviews, 1999, 74, 143-175. | 10.4 | 56 |
| 110 | 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 |
| 111 | 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 |
| 112 | Flight style in bats as predicted from wing morphometry: the effects of specimen preservation. Journal of Zoology, 1994, 234, 275-287. | 1.7 | 16 |
| 113 | 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 |
| 114 | Rocking clocks and clocking rocks: a critical look at divergence time estimation in mammals. , 0, , 38-82. | | 5 |