

Allan J Baker

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

3,930
citations

109137

35
h-index

123241

61
g-index

65
all docs

65
docs citations

65
times ranked

3962
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Rapid population decline in red knots: fitness consequences of decreased refuelling rates and late arrival in Delaware Bay. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 875-882. | 1.2 | 373 |
| 2 | A Mitogenomic Timescale for Birds Detects Variable Phylogenetic Rates of Molecular Evolution and Refutes the Standard Molecular Clock. <i>Molecular Biology and Evolution</i> , 2006, 23, 1731-1740. | 3.5 | 222 |
| 3 | Convergent regulatory evolution and loss of flight in paleognathous birds. <i>Science</i> , 2019, 364, 74-78. | 6.0 | 189 |
| 4 | Phylogenetic relationships and divergence times of Charadriiformes genera: multigene evidence for the Cretaceous origin of at least 14 clades of shorebirds. <i>Biology Letters</i> , 2007, 3, 205-210. | 1.0 | 173 |
| 5 | Single mitochondrial gene barcodes reliably identify sister-species in diverse clades of birds. <i>BMC Evolutionary Biology</i> , 2008, 8, 81. | 3.2 | 170 |
| 6 | RAG-1 sequences resolve phylogenetic relationships within Charadriiform birds. <i>Molecular Phylogenetics and Evolution</i> , 2003, 29, 268-278. | 1.2 | 145 |
| 7 | Complete mitochondrial DNA genome sequences show that modern birds are not descended from transitional shorebirds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 839-846. | 1.2 | 119 |
| 8 | Multiple gene evidence for expansion of extant penguins out of Antarctica due to global cooling. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 11-17. | 1.2 | 118 |
| 9 | HISTORICAL DEMOGRAPHY AND PRESENT DAY POPULATION STRUCTURE OF THE GREENFINCH, <i>CARDUEUS CHLORIS</i> -AN ANALYSIS OF mtDNA CONTROL-REGION SEQUENCES. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 946-956. | 1.1 | 111 |
| 10 | Mitochondrial and Nuclear DNA Sequences Support a Cretaceous Origin of Columbiformes and a Dispersal-Driven Radiation in the Paleogene. <i>Systematic Biology</i> , 2007, 56, 656-672. | 2.7 | 110 |
| 11 | Phylogenetic Relationships and Historical Biogeography of Neotropical Parrots (Psittaciformes:). <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> 10 55, 454-470. | 2.7 | 108 |
| 12 | Natural selection shaped the rise and fall of passenger pigeon genomic diversity. <i>Science</i> , 2017, 358, 951-954. | 6.0 | 105 |
| 13 | A molecular timescale for galliform birds accounting for uncertainty in time estimates and heterogeneity of rates of DNA substitutions across lineages and sites. <i>Molecular Phylogenetics and Evolution</i> , 2006, 38, 499-509. | 1.2 | 103 |
| 14 | Rates of mass gain and energy deposition in red knot on their final spring staging site is both time- and condition-dependent. <i>Journal of Applied Ecology</i> , 2007, 44, 885-895. | 1.9 | 89 |
| 15 | Whole-Genome Analyses Resolve the Phylogeny of Flightless Birds (Palaeognathae) in the Presence of an Empirical Anomaly Zone. <i>Systematic Biology</i> , 2019, 68, 937-955. | 2.7 | 88 |
| 16 | Multiple nuclear genes and retroposons support vicariance and dispersal of the palaeognaths, and an Early Cretaceous origin of modern birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4617-4625. | 1.2 | 86 |
| 17 | A phylogenetic framework for the terns (Sternini) inferred from mtDNA sequences: implications for taxonomy and plumage evolution. <i>Molecular Phylogenetics and Evolution</i> , 2005, 35, 459-469. | 1.2 | 82 |
| 18 | Reconstructing the tempo and mode of evolution in an extinct clade of birds with ancient DNA: The giant moas of New Zealand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8257-8262. | 3.3 | 82 |

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|----|--|-----|-----------|
| 19 | Genomic Support for a Moa–Tinamou Clade and Adaptive Morphological Convergence in Flightless Ratites. <i>Molecular Biology and Evolution</i> , 2014, 31, 1686-1696. | 3.5 | 80 |
| 20 | Explosive ice age diversification of kiwi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5580-7. | 3.3 | 78 |
| 21 | Combined Nuclear and Mitochondrial DNA Sequences Resolve Generic Relationships within the Cracidae (Galliformes, Aves). <i>Systematic Biology</i> , 2002, 51, 946-958. | 2.7 | 75 |
| 22 | Countering criticisms of single mitochondrial DNA gene barcoding in birds. <i>Molecular Ecology Resources</i> , 2009, 9, 257-268. | 2.2 | 75 |
| 23 | Association between mitochondrial DNA and morphological evolution in Canada geese. <i>Journal of Molecular Evolution</i> , 1990, 31, 373-382. | 0.8 | 69 |
| 24 | Sequences from 14 mitochondrial genes provide a well-supported phylogeny of the Charadriiform birds congruent with the nuclear RAG-1 tree. <i>Molecular Phylogenetics and Evolution</i> , 2006, 39, 657-667. | 1.2 | 69 |
| 25 | Title is missing!. <i>Conservation Genetics</i> , 2003, 4, 167-177. | 0.8 | 67 |
| 26 | A POPULATION MEMETICS APPROACH TO CULTURAL EVOLUTION IN CHAFFINCH SONG: DIFFERENTIATION AMONG POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 351-359. | 1.1 | 65 |
| 27 | Unravelling the migration and moult strategies of a long-distance migrant using stable isotopes: Red Knot <i>Calidris canutus</i> movements in the Americas. <i>Ibis</i> , 2005, 147, 738-749. | 1.0 | 63 |
| 28 | DNA Barcode Detects High Genetic Structure within Neotropical Bird Species. <i>PLoS ONE</i> , 2011, 6, e28543. | 1.1 | 63 |
| 29 | VICARIANT SPECIATION OF CURASSOWS (AVES, CRACIDAE): A HYPOTHESIS BASED ON MITOCHONDRIAL DNA PHYLOGENY. <i>Auk</i> , 2004, 121, 682. | 0.7 | 58 |
| 30 | Feather Development Genes and Associated Regulatory Innovation Predate the Origin of Dinosauria. <i>Molecular Biology and Evolution</i> , 2015, 32, 23-28. | 3.5 | 57 |
| 31 | Vicariant Speciation of Curassows (Aves, Cracidae): A Hypothesis Based on Mitochondrial DNA Phylogeny. <i>Auk</i> , 2004, 121, 682-694. | 0.7 | 55 |
| 32 | DNA evidence for a Paleocene origin of the Alcidae (Aves: Charadriiformes) in the Pacific and multiple dispersals across northern oceans. <i>Molecular Phylogenetics and Evolution</i> , 2008, 46, 430-445. | 1.2 | 47 |
| 33 | POPULATION DIVERGENCE TIMES AND HISTORICAL DEMOGRAPHY IN RED KNOTS AND DUNLINS. <i>Condor</i> , 2005, 107, 497. | 0.7 | 46 |
| 34 | Conserved Nonexonic Elements: A Novel Class of Marker for Phylogenomics. <i>Systematic Biology</i> , 2017, 66, 1028-1044. | 2.7 | 46 |
| 35 | Population Divergence Times and Historical Demography in red Knots and Dunlins. <i>Condor</i> , 2005, 107, 497-513. | 0.7 | 44 |
| 36 | Gastro-intestinal microbiota of two migratory shorebird species during spring migration staging in Delaware Bay, USA. <i>Journal of Ornithology</i> , 2014, 155, 969-977. | 0.5 | 42 |

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|----|---|-----|-----------|
| 37 | Mechanisms of song differentiation in introduced populations of Chaffinches (<i>Fringilla coelebs</i>) in New Zealand. <i>Ibis</i> , 1984, 126, 510-524. | 1.0 | 36 |
| 38 | A novel mitochondrial gene order in shorebirds (Scolopacidae, Charadriiformes). <i>Molecular Phylogenetics and Evolution</i> , 2010, 57, 411-416. | 1.2 | 32 |
| 39 | MULTIPLE GENE EVIDENCE FOR PARALLEL EVOLUTION AND RETENTION OF ANCESTRAL MORPHOLOGICAL STATES IN THE SHANKS (CHARADRIIFORMES: SCOLOPACIDAE). <i>Condor</i> , 2005, 107, 514. | 0.7 | 29 |
| 40 | Contrasting Phylogeographic Patterns in Mitochondrial DNA and Microsatellites: Evidence of Female Philopatry and Male-biased Gene Flow among Regional Populations of the Blue-and-yellow Macaw (<i>Psittaciformes:Ara ararauna</i>) in Brazil. <i>Auk</i> , 2009, 126, 359-370. | 0.7 | 28 |
| 41 | Linking intronic polymorphism on the <i>CHD1</i> gene with fitness correlates in Black-tailed Godwits (<i>Limosa l. limosa</i>). <i>Ibis</i> , 2010, 152, 368-377. | 1.0 | 23 |
| 42 | Multiple Gene Evidence for Parallel Evolution and Retention of Ancestral Morphological States in the Shanks (Charadriiformes: Scolopacidae). <i>Condor</i> , 2005, 107, 514-526. | 0.7 | 20 |
| 43 | Multigene phylogeny and DNA barcoding indicate that the Sandwich tern complex (<i>Thalasseus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 52, 263-267. | 1.2 | 20 |
| 44 | Characterization of MHC class I in a long-distance migrant shorebird suggests multiple transcribed genes and intergenic recombination. <i>Immunogenetics</i> , 2013, 65, 211-225. | 1.2 | 19 |
| 45 | Phylogenetic and coalescent analysis of three loci suggest that the Water Rail is divisible into two species, <i>Rallus aquaticus</i> and <i>R. indicus</i> . <i>BMC Evolutionary Biology</i> , 2010, 10, 226. | 3.2 | 18 |
| 46 | Criteria for aging and sexing New Zealand oystercatchers. <i>New Zealand Journal of Marine and Freshwater Research</i> , 1974, 8, 211-221. | 0.8 | 16 |
| 47 | Eight independent nuclear genes support monophyly of the plovers: The role of mutational variance in gene trees. <i>Molecular Phylogenetics and Evolution</i> , 2012, 65, 631-641. | 1.2 | 15 |
| 48 | Molecular Evidence for Recent Radiation in Southern Hemisphere Masked Gulls. <i>Auk</i> , 2005, 122, 268-279. | 0.7 | 13 |
| 49 | MORPHOMETRIC VARIABILITY IN CONTINENTAL AND ATLANTIC ISLAND POPULATIONS OF CHAFFINCHES (<i>FRINGILLA COELEBS</i>). <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 29-39. | 1.1 | 12 |
| 50 | MOLECULAR EVIDENCE FOR RECENT RADIATION IN SOUTHERN HEMISPHERE MASKED GULLS. <i>Auk</i> , 2005, 122, 268. | 0.7 | 12 |
| 51 | High genetic diversity in the blue-listed British Columbia population of the purple martin maintained by multiple sources of immigrants. <i>Conservation Genetics</i> , 2008, 9, 495-505. | 0.8 | 10 |
| 52 | A rare case of <i>Plasmodium</i> (<i>Haemamoeba</i>) <i>relictum</i> infection in a free-living Red Knot (<i>Calidris canutus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 0.5 10 | 0.5 | 10 |
| 53 | Islands in the sky: the impact of Pleistocene climate cycles on biodiversity. <i>Journal of Biology</i> , 2008, 7, 32. | 2.7 | 7 |
| 54 | One hundred new universal exonic markers for birds developed from a genomic pipeline. <i>Journal of Ornithology</i> , 2014, 155, 561-569. | 0.5 | 7 |

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|----|---|-----|-----------|
| 55 | Global flyway evolution in red knots <i>Calidris canutus</i> and genetic evidence for a Nearctic refugium. <i>Molecular Ecology</i> , 2022, 31, 2124-2139. | 2.0 | 7 |
| 56 | Species limits and population differentiation in New Zealand snipes (Scolopacidae: Coenocorypha). <i>Conservation Genetics</i> , 2010, 11, 1363-1374. | 0.8 | 6 |
| 57 | The enigmatic monotypic crab plover <i>Dromas ardeola</i> is closely related to pratincoles and coursers (Aves, Charadriiformes, Glareolidae). <i>Genetics and Molecular Biology</i> , 2010, 33, 583-586. | 0.6 | 6 |
| 58 | Lipid levels in the South Island pied oystercatcher (<i>Haematopus ostralegus finschi</i>). <i>New Zealand Journal of Zoology</i> , 1975, 2, 425-434. | 0.6 | 3 |
| 59 | Mitochondrial-DNA evidence shows the Australian Painted Snipe is a full species, <i>Rostratula australis</i> . <i>Emu</i> , 2007, 107, 185-189. | 0.2 | 3 |
| 60 | Novel and cross-species microsatellite markers for parentage analysis in Sanderling <i>Calidris alba</i> . <i>Journal of Ornithology</i> , 2011, 152, 807-810. | 0.5 | 2 |
| 61 | Relationships of gulls – A reply to Bourne. <i>Auk</i> , 2006, 123, 906-907. | 0.7 | 1 |
| 62 | Speciation in Birds. <i>Condor</i> , 2008, 110, 396-398. | 0.7 | 1 |
| 63 | Molecular Advances in the Study of Geographic Variation and Speciation in Birds. <i>Ornithological Monographs</i> , 2007, , 18-29. | 1.3 | 0 |
| 64 | Molecular evidence for introgressive hybridization in New Zealand masked gulls. <i>Ibis</i> , 2023, 165, 248-269. | 1.0 | 0 |