Allan J Baker

List of Publications by Year
in descending order

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64 papers	3,930 citations	109321 35 h-index	123424 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. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 875-882.	2.6	373
2	A Mitogenomic Timescale for Birds Detects Variable Phylogenetic Rates of Molecular Evolution and Refutes the Standard Molecular Clock. Molecular Biology and Evolution, 2006, 23, 1731-1740.	8.9	222
3	Convergent regulatory evolution and loss of flight in paleognathous birds. Science, 2019, 364, 74-78.	12.6	189
4	Phylogenetic relationships and divergence times of Charadriiformes genera: multigene evidence for the Cretaceous origin of at least 14 clades of shorebirds. Biology Letters, 2007, 3, 205-210.	2.3	173
5	Single mitochondrial gene barcodes reliably identify sister-species in diverse clades of birds. BMC Evolutionary Biology, 2008, 8, 81.	3.2	170
6	RAG-1 sequences resolve phylogenetic relationships within Charadriiform birds. Molecular Phylogenetics and Evolution, 2003, 29, 268-278.	2.7	145
7	Complete mitochondrial DNA genome sequences show that modern birds are not descended from transitional shorebirds. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 839-846.	2.6	119
8	Multiple gene evidence for expansion of extant penguins out of Antarctica due to global cooling. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 11-17.	2.6	118
9	HISTORICAL DEMOGRAPHY AND PRESENT DAY POPULATION STRUCTURE OF THE GREENFINCH,CARDUELIS CHLORIS-AN ANALYSIS OF mtDNA CONTROL-REGION SEQUENCES. Evolution; International Journal of Organic Evolution, 1997, 51, 946-956.	2.3	111
10	Mitochondrial and Nuclear DNA Sequences Support a Cretaceous Origin of Columbiformes and a Dispersal-Driven Radiation in the Paleogene. Systematic Biology, 2007, 56, 656-672.	5.6	110
11	Phylogenetic Relationships and Historical Biogeography of Neotropical Parrots (Psittaciformes:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 55, 454-470.	5.6	108
12	Natural selection shaped the rise and fall of passenger pigeon genomic diversity. Science, 2017, 358, 951-954.	12.6	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. Molecular Phylogenetics and Evolution, 2006, 38, 499-509.	2.7	103
14	Rates of mass gain and energy deposition in red knot on their final spring staging site is both time- and condition-dependent. Journal of Applied Ecology, 2007, 44, 885-895.	4.0	89
15	Whole-Genome Analyses Resolve the Phylogeny of Flightless Birds (Palaeognathae) in the Presence of an Empirical Anomaly Zone. Systematic Biology, 2019, 68, 937-955.	5.6	88
16	Multiple nuclear genes and retroposons support vicariance and dispersal of the palaeognaths, and an Early Cretaceous origin of modern birds. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4617-4625.	2.6	86
17	A phylogenetic framework for the terns (Sternini) inferred from mtDNA sequences: implications for taxonomy and plumage evolution. Molecular Phylogenetics and Evolution, 2005, 35, 459-469.	2.7	82
18	Reconstructing the tempo and mode of evolution in an extinct clade of birds with ancient DNA: The giant moas of New Zealand. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8257-8262.	7.1	82

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19	Genomic Support for a Moaâ€“Tinamou Clade and Adaptive Morphological Convergence in Flightless Ratites. Molecular Biology and Evolution, 2014, 31, 1686-1696.	8.9	80
20	Explosive ice age diversification of kiwi. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5580-7.	7.1	78
21	Combined Nuclear and Mitochondrial DNA Sequences Resolve Generic Relationships within the Cracidae (Galliformes, Aves). Systematic Biology, 2002, 51, 946-958.	5.6	75
22	Countering criticisms of single mitochondrial DNA gene barcoding in birds. Molecular Ecology Resources, 2009, 9, 257-268.	4.8	75
23	Association between mitochondrial DNA and morphological evolution in Canada geese. Journal of Molecular Evolution, 1990, 31, 373-382.	1.8	69
24	Sequences from 14 mitochondrial genes provide a well-supported phylogeny of the Charadriiform birds congruent with the nuclear RAG-1 tree. Molecular Phylogenetics and Evolution, 2006, 39, 657-667.	2.7	69
25	Title is missing!. Conservation Genetics, 2003, 4, 167-177.	1.5	67
26	A POPULATION MEMETICS APPROACH TO CULTURAL EVOLUTION IN CHAFFINCH SONG: DIFFERENTIATION AMONG POPULATIONS. Evolution; International Journal of Organic Evolution, 1994, 48, 351-359.	2.3	65
27	Unravelling the migration and moult strategies of a long-distance migrant using stable isotopes: Red Knot Calidris canutus movements in the Americas. Ibis, 2005, 147, 738-749.	1.9	63
28	DNA Barcode Detects High Genetic Structure within Neotropical Bird Species. PLoS ONE, 2011, 6, e28543.	2.5	63
29	VICARIANT SPECIATION OF CURASSOWS (AVES, CRACIDAE): A HYPOTHESIS BASED ON MITOCHONDRIAL DNA PHYLOGENY. Auk, 2004, 121, 682.	1.4	58
30	Feather Development Genes and Associated Regulatory Innovation Predate the Origin of Dinosauria. Molecular Biology and Evolution, 2015, 32, 23-28.	8.9	57
31	Vicariant Speciation of Curassows (Aves, Cracidae): A Hypothesis Based on Mitochondrial DNA Phylogeny. Auk, 2004, 121, 682-694.	1.4	55
32	DNA evidence for a Paleocene origin of the Alcidae (Aves: Charadriiformes) in the Pacific and multiple dispersals across northern oceans. Molecular Phylogenetics and Evolution, 2008, 46, 430-445.	2.7	47
33	POPULATION DIVERGENCE TIMES AND HISTORICAL DEMOGRAPHY IN RED KNOTS AND DUNLINS. Condor, 2005, 107, 497.	1.6	46
34	Conserved Nonexonic Elements: A Novel Class of Marker for Phylogenomics. Systematic Biology, 2017, 66, 1028-1044.	5.6	46
35	Population Divergence Times and Historical Demography in red Knots and Dunlins. Condor, 2005, 107, 497-513.	1.6	44
36	Gastro-intestinal microbiota of two migratory shorebird species during spring migration staging in Delaware Bay, USA. Journal of Ornithology, 2014, 155, 969-977.	1.1	42

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37	Mechanisms of song differentiation in introduced populations of Chaffinches Fringilla coelebs in New Zealand. Ibis, 1984, 126, 510-524.	1.9	36
38	A novel mitochondrial gene order in shorebirds (Scolopacidae, Charadriiformes). Molecular Phylogenetics and Evolution, 2010, 57, 411-416.	2.7	32
39	MULTIPLE GENE EVIDENCE FOR PARALLEL EVOLUTION AND RETENTION OF ANCESTRAL MORPHOLOGICAL STATES IN THE SHANKS (CHARADRIIFORMES: SCOLOPACIDAE). Condor, 2005, 107, 514.	1.6	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 (Psittaciformes:Ara ararauna) in Brazil. Auk, 2009, 126, 359-370.	1.4	28
41	Linking intronic polymorphism on the CHD1â€Z gene with fitness correlates in Blackâ€tailed Godwits Limosa l. limosa. Ibis, 2010, 152, 368-377.	1.9	23
42	Multiple Gene Evidence for Parallel Evolution and Retention of Ancestral Morphological States in the Shanks (Charadriiformes: Scolopacidae). Condor, 2005, 107, 514-526.	1.6	20
43	Multigene phylogeny and DNA barcoding indicate that the Sandwich tern complex (Thalasseus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 52, 263-267.	2.7	20
44	Characterization of MHC class I in a long-distance migrant shorebird suggests multiple transcribed genes and intergenic recombination. Immunogenetics, 2013, 65, 211-225.	2.4	19
45	Phylogenetic and coalescent analysis of three loci suggest that the Water Rail is divisible into two species, Rallus aquaticus and R. indicus. BMC Evolutionary Biology, 2010, 10, 226.	3.2	18
46	Criteria for aging and sexing New Zealand oystercatchers. New Zealand Journal of Marine and Freshwater Research, 1974, 8, 211-221.	2.0	16
47	Eight independent nuclear genes support monophyly of the plovers: The role of mutational variance in gene trees. Molecular Phylogenetics and Evolution, 2012, 65, 631-641.	2.7	15
48	Molecular Evidence for Recent Radiation in Southern Hemisphere Masked Gulls. Auk, 2005, 122, 268-279.	1.4	13
49	MORPHOMETRIC VARIABILITY IN CONTINENTAL AND ATLANTIC ISLAND POPULATIONS OF CHAFFINCHES (FRINGILLA COELEBS). Evolution; International Journal of Organic Evolution, 1991, 45, 29-39.	2.3	12
50	MOLECULAR EVIDENCE FOR RECENT RADIATION IN SOUTHERN HEMISPHERE MASKED GULLS. Auk, 2005, 122, 268.	1.4	12
51	High genetic diversity in the blue-listed British Columbia population of the purple martin maintained by multiple sources of immigrants. Conservation Genetics, 2008, 9, 495-505.	1.5	10
52	A rare case of Plasmodium (Haemamoeba) relictum infection in a free-living Red Knot (Calidris canutus) Tj ETQq0 0 0 rgBT /Overlock 10	1.1	10
53	Islands in the sky: the impact of Pleistocene climate cycles on biodiversity. Journal of Biology, 2008, 7, 32.	2.7	7
54	One hundred new universal exonic markers for birds developed from a genomic pipeline. Journal of Ornithology, 2014, 155, 561-569.	1.1	7

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55	Global flyway evolution in red knots Calidris canutus and genetic evidence for a Nearctic refugium. Molecular Ecology, 2022, 31, 2124-2139.	3.9	7
56	Species limits and population differentiation in New Zealand snipes (Scolopacidae: Coenocorypha). Conservation Genetics, 2010, 11, 1363-1374.	1.5	6
57	The enigmatic monotypic crab plover Dromas ardeola is closely related to pratincoles and coursers (Aves, Charadriiformes, Glareolidae). Genetics and Molecular Biology, 2010, 33, 583-586.	1.3	6
58	Lipid levels in the South Island pied oystercatcher (Haematopus ostralegus finschi). New Zealand Journal of Zoology, 1975, 2, 425-434.	1.1	3
59	Mitochondrial-DNA evidence shows the Australian Painted Snipe is a full species, Rostratula australis. Emu, 2007, 107, 185-189.	0.6	3
60	Novel and cross-species microsatellite markers for parentage analysis in Sanderling Calidris alba. Journal of Ornithology, 2011, 152, 807-810.	1.1	2
61	Relationships of gullsâ€"A reply to Bourne. Auk, 2006, 123, 906-907.	1.4	1
62	:Speciation in Birds. Condor, 2008, 110, 396-398.	1.6	1
63	Molecular Advances in the Study of Geographic Variation and Speciation in Birds. Ornithological Monographs, 2007, , 18-29.	1.3	0
64	Molecular evidence for introgressive hybridization in New Zealand masked gulls. Ibis, 2023, 165, 248-269.	1.9	0