

Christopher C Witt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8512766/publications.pdf>

Version: 2024-02-01

82
papers

5,736
citations

147566

31
h-index

85405

71
g-index

98
all docs

98
docs citations

98
times ranked

6665
citing authors

#	ARTICLE	IF	CITATIONS
1	A Phylogenomic Study of Birds Reveals Their Evolutionary History. <i>Science</i> , 2008, 320, 1763-1768.	6.0	1,767
2	Molecular Phylogenetics and the Diversification of Hummingbirds. <i>Current Biology</i> , 2014, 24, 910-916.	1.8	341
3	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , 2020, 587, 252-257.	13.7	251
4	Why Do Phylogenomic Data Sets Yield Conflicting Trees? Data Type Influences the Avian Tree of Life more than Taxon Sampling. <i>Systematic Biology</i> , 2017, 66, 857-879.	2.7	242
5	Phylogenetic Systematics and Biogeography of Hummingbirds: Bayesian and Maximum Likelihood Analyses of Partitioned Data and Selection of an Appropriate Partitioning Strategy. <i>Systematic Biology</i> , 2007, 56, 837-856.	2.7	241
6	Predictable convergence in hemoglobin function has unpredictable molecular underpinnings. <i>Science</i> , 2016, 354, 336-339.	6.0	206
7	Phylogenomic evidence for multiple losses of flight in ratite birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13462-13467.	3.3	187
8	A well-tested set of primers to amplify regions spread across the avian genome. <i>Molecular Phylogenetics and Evolution</i> , 2009, 50, 654-660.	1.2	170
9	Specimen collection: An essential tool. <i>Science</i> , 2014, 344, 814-815.	6.0	169
10	Repeated elevational transitions in hemoglobin function during the evolution of Andean hummingbirds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20669-20674.	3.3	149
11	Predictable evolution toward flightlessness in volant island birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4765-4770.	3.3	117
12	Energetics, lifestyle, and reproduction in birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10937-10941.	3.3	106
13	Metabolic "engines" of flight drive genome size reduction in birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132780.	1.2	97
14	Parsimony and Model-Based Analyses of Indels in Avian Nuclear Genes Reveal Congruent and Incongruent Phylogenetic Signals. <i>Biology</i> , 2013, 2, 419-444.	1.3	94
15	Contribution of a mutational hot spot to hemoglobin adaptation in high-altitude Andean house wrens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13958-13963.	3.3	86
16	Ancient horizontal transfers of retrotransposons between birds and ancestors of human pathogenic nematodes. <i>Nature Communications</i> , 2016, 7, 11396.	5.8	76
17	Diverse avian malaria and other haemosporidian parasites in Andean house wrens: evidence for regional co-diversification by host-switching. <i>Journal of Avian Biology</i> , 2014, 45, 374-386.	0.6	70
18	A higher-level taxonomy for hummingbirds. <i>Journal of Ornithology</i> , 2009, 150, 155-165.	0.5	67

#	ARTICLE	IF	CITATIONS
19	Integrating Evolutionary and Functional Tests of Adaptive Hypotheses: A Case Study of Altitudinal Differentiation in Hemoglobin Function in an Andean Sparrow, <i>Zonotrichia capensis</i> . <i>Molecular Biology and Evolution</i> , 2014, 31, 2948-2962.	3.5	59
20	Are Transposable Element Insertions Homoplasmy Free?: An Examination Using the Avian Tree of Life. <i>Systematic Biology</i> , 2011, 60, 375-386.	2.7	58
21	Deeply conserved susceptibility in a multi-host, multi-parasite system. <i>Ecology Letters</i> , 2019, 22, 987-998.	3.0	54
22	The perils of using host relationships in parasite taxonomy: phylogeny of the <i>Degeeriella</i> complex. <i>Molecular Phylogenetics and Evolution</i> , 2002, 23, 150-157.	1.2	49
23	Stability-Mediated Epistasis Restricts Accessible Mutational Pathways in the Functional Evolution of Avian Hemoglobin. <i>Molecular Biology and Evolution</i> , 2017, 34, 1240-1251.	3.5	49
24	Parallel Molecular Evolution in Pathways, Genes, and Sites in High-Elevation Hummingbirds Revealed by Comparative Transcriptomics. <i>Genome Biology and Evolution</i> , 2019, 11, 1573-1585.	1.1	49
25	Differential high-altitude adaptation and restricted gene flow across a mid-elevation hybrid zone in Andean tyrant flycatchers. <i>Molecular Ecology</i> , 2014, 23, 3551-3565.	2.0	46
26	Complementary shifts in photoreceptor spectral tuning unlock the full adaptive potential of ultraviolet vision in birds. <i>eLife</i> , 2016, 5, .	2.8	45
27	Divergent Fine-Scale Recombination Landscapes between a Freshwater and Marine Population of Threespine Stickleback Fish. <i>Genome Biology and Evolution</i> , 2019, 11, 1552-1572.	1.1	44
28	The smallest avian genomes are found in hummingbirds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 3753-3757.	1.2	43
29	The role of mutation bias in adaptive molecular evolution: insights from convergent changes in protein function. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180238.	1.8	43
30	Biogeography of the Andean metal-tail hummingbirds: contrasting evolutionary histories of tree line and habitat-generalist clades. <i>Journal of Biogeography</i> , 2015, 42, 763-777.	1.4	41
31	Gene Turnover in the Avian Globin Gene Families and Evolutionary Changes in Hemoglobin Isoform Expression. <i>Molecular Biology and Evolution</i> , 2015, 32, 871-887.	3.5	40
32	Phylogeny and biogeography of the New World siskins and goldfinches: Rapid, recent diversification in the Central Andes. <i>Molecular Phylogenetics and Evolution</i> , 2015, 87, 28-45.	1.2	40
33	Extreme and variable torpor among high-elevation Andean hummingbird species. <i>Biology Letters</i> , 2020, 16, 20200428.	1.0	34
34	Homoplastic microinversions and the avian tree of life. <i>BMC Evolutionary Biology</i> , 2011, 11, 141.	3.2	33
35	The dual role of Andean topography in primary divergence: functional and neutral variation among populations of the hummingbird, <i>Metallura tyrianthina</i> . <i>BMC Evolutionary Biology</i> , 2016, 16, 22.	3.2	31
36	Phylogeography of the Vermilion Flycatcher species complex: Multiple speciation events, shifts in migratory behavior, and an apparent extinction of a Galapagos-endemic bird species. <i>Molecular Phylogenetics and Evolution</i> , 2016, 102, 152-173.	1.2	30

#	ARTICLE	IF	CITATIONS
37	Why are diversity and endemism Linked on islands?. <i>Ecography</i> , 2007, 30, 331-333.	2.1	26
38	Metatranscriptomics yields new genomic resources and sensitive detection of infections for diverse blood parasites. <i>Molecular Ecology Resources</i> , 2020, 20, 14-28.	2.2	25
39	Phylogenetic relationships in the louse genus <i>Penenirmus</i> based on nuclear (EF-1 α) and mitochondrial (COI) DNA sequences. <i>Systematic Entomology</i> , 2001, 26, 491-497.	1.7	24
40	DNA from a 100-year-old holotype confirms the validity of a potentially extinct hummingbird species. <i>Biology Letters</i> , 2010, 6, 112-115.	1.0	24
41	Forest corridors between the central Andes and the southern Atlantic Forest enabled dispersal and peripatric diversification without niche divergence in a passerine. <i>Molecular Phylogenetics and Evolution</i> , 2018, 128, 221-232.	1.2	24
42	Contrasting drivers of diversity in hosts and parasites across the tropical Andes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	24
43	Satellite imagery reveals new critical habitat for Endangered bird species in the high Andes of Peru. <i>Endangered Species Research</i> , 2011, 13, 145-157.	1.2	22
44	The biomechanical origin of extreme wing allometry in hummingbirds. <i>Nature Communications</i> , 2017, 8, 1047.	5.8	22
45	Host associations and turnover of haemosporidian parasites in manakins (Aves: Pipridae). <i>Parasitology</i> , 2017, 144, 984-993.	0.7	21
46	Ecology, not distance, explains community composition in parasites of sky-island Audubon's Warblers. <i>International Journal for Parasitology</i> , 2019, 49, 437-448.	1.3	19
47	Detecting introgression despite phylogenetic uncertainty: The case of the South American siskins. <i>Molecular Ecology</i> , 2018, 27, 4350-4367.	2.0	18
48	Diversity, abundance, and host relationships of avian malaria and related haemosporidians in New Mexico pine forests. <i>PeerJ</i> , 2017, 5, e3700.	0.9	17
49	Why are tropical mountain passes "low" for some species? Genetic and stable isotope tests for differentiation, migration and expansion in elevational generalist songbirds. <i>Journal of Animal Ecology</i> , 2018, 87, 741-753.	1.3	16
50	Genomic sequence capture of haemosporidian parasites: Methods and prospects for enhanced study of host-parasite evolution. <i>Molecular Ecology Resources</i> , 2019, 19, 400-410.	2.2	16
51	Elevational niche-shift migration: Why the degree of elevational change matters for the ecology, evolution, and physiology of migratory birds. <i>Auk</i> , 2021, 138, .	0.7	15
52	Effect of Acute Dietary Nitrate Consumption on Oxygen Consumption During Submaximal Exercise in Hypobaric Hypoxia. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2016, 26, 315-322.	1.0	14
53	FIRST KNOWN SPECIMEN OF A HYBRID BUTEO: SWAINSON'S HAWK (BUTEO SWAINSONI) – ROUGH-LEGGED HAWK (B. LAGOPUS) FROM LOUISIANA. <i>Wilson Journal of Ornithology</i> , 2006, 118, 42-52.	0.1	12
54	An improved phylogeny of the Andean tit-tyrants (Aves, Tyrannidae): More characters trump sophisticated analyses. <i>Molecular Phylogenetics and Evolution</i> , 2012, 64, 285-296.	1.2	12

#	ARTICLE	IF	CITATIONS
55	Comparing divergence landscapes from reduced representation and whole genome resequencing in the yellow-rumped warbler (<i>Setophaga coronata</i>) species complex. <i>Molecular Ecology</i> , 2021, 30, 5994-6005.	2.0	12
56	Raptor genomes reveal evolutionary signatures of predatory and nocturnal lifestyles. <i>Genome Biology</i> , 2019, 20, 181.	3.8	11
57	Comment on "Molecular Phylogenies Link Rates of Evolution and Speciation" (I). <i>Science</i> , 2004, 303, 173b-173.	6.0	10
58	Migrate small, sound big: functional constraints on body size promote tracheal elongation in cranes. <i>Journal of Evolutionary Biology</i> , 2014, 27, 1256-1264.	0.8	10
59	Evolution between forest macrorefugia is linked to discordance between genetic and morphological variation in Neotropical passerines. <i>Molecular Phylogenetics and Evolution</i> , 2020, 149, 106849.	1.2	10
60	Pervasive Genomic Signatures of Local Adaptation to Altitude Across Highland Specialist Andean Hummingbird Populations. <i>Journal of Heredity</i> , 2021, 112, 229-240.	1.0	10
61	Phylogeny and sex chromosome evolution of Palaeognathae. <i>Journal of Genetics and Genomics</i> , 2022, 49, 109-119.	1.7	10
62	A lightweight backpack harness for tracking hummingbirds. <i>Journal of Avian Biology</i> , 2021, 52, .	0.6	9
63	An extinct hummingbird species that never was: a cautionary tale about sampling issues in molecular phylogenetics. <i>Zootaxa</i> , 2018, 4442, 491-497.	0.2	8
64	Extensive hybridization between two Andean warbler species with shallow divergence in mtDNA. <i>Auk</i> , 2021, 138, .	0.7	8
65	Molecular Phylogenetics and the Diversification of Hummingbirds. <i>Current Biology</i> , 2014, 24, 1038.	1.8	7
66	Nectar-feeding bats and birds show parallel molecular adaptations in sugar metabolism enzymes. <i>Current Biology</i> , 2021, 31, 4667-4674.e6.	1.8	7
67	Detecting turnover among complex communities using null models: a case study with sky-island haemosporidian parasites. <i>Oecologia</i> , 2021, 195, 435-451.	0.9	7
68	High-altitude adaptations mitigate risk for hypertension and diabetes-associated anemia. <i>American Journal of Physical Anthropology</i> , 2020, 172, 156-164.	2.1	6
69	Contrasting molecular and morphological evidence for the identification of an anomalous <i>Buteo</i> : a cautionary tale for hybrid diagnosis. <i>PeerJ</i> , 2017, 5, e2850.	0.9	5
70	Triorchidism in a Hummingbird. <i>Wilson Journal of Ornithology</i> , 2011, 123, 632-635.	0.1	4
71	Utility of vocal formant spacing for monitoring sandhill crane subspecies. <i>Wildlife Society Bulletin</i> , 2012, 36, 47-53.	1.6	4
72	Seasonal and elevational variation in glucose and glycogen in two songbird species. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 245, 110703.	0.8	4

#	ARTICLE	IF	CITATIONS
73	Affinities of Three Vagrant Cave Swallows from Eastern North America. <i>Wilson Journal of Ornithology</i> , 2011, 123, 840-845.	0.1	3
74	Long-Distance Movement in a Dusky Great Horned Owl and Limits to Phylogeography for Establishing Provenance. <i>Western North American Naturalist</i> , 2013, 73, 401-408.	0.2	2
75	Simple technique for distinguishing Yellow-bellied Flycatchers from Cordilleran and Pacific-slope flycatchers. <i>Journal of Field Ornithology</i> , 2014, 85, 391-396.	0.3	1
76	Ecogeography of Plumage Pigmentation in Great Horned Owls. <i>Journal of Raptor Research</i> , 2021, 55, .	0.2	1
77	Early stages of speciation with gene flow in the <i>Amazilia</i> Hummingbird (<i>Amazilia amazilia</i>) subspecies complex of Western South America. <i>Ecology and Evolution</i> , 2022, 12, e8895.	0.8	1
78	Estatus y distribución en el Perú del Tucán Andino de Pico Negro <i>Andigena nigrirostris</i> (Waterhouse,) <i>Tj ETQq0 0.0 rgBT /Overlock 10</i>	0.1	0
79	2020 Early Professional Awards to Nicholas A. Mason, Sara A. Kaiser, and Jennifer Walsh. <i>Condor</i> , 2020, 122, .	0.7	0
80	2021 AOS Early Professional Awards to Benjamin Van Doren, Ana Gonzalez, Sahas Barve, and Luis Sandoval. <i>Condor</i> , 2022, 124, .	0.7	0
81	Long-distance dispersal of a sedentary Andean flycatcher species with a small geographic range, <i>Ochthoeca piurae</i> (Aves: Tyrannidae). <i>Check List</i> , 2015, 11, 1795.	0.1	0
82	Evolution of Naturally High Plasma Glucose Concentrations in Birds. <i>FASEB Journal</i> , 2018, 32, 860.5.	0.2	0