

David W Winkler

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,900
citations

218592

26
h-index

182361

51
g-index

65
all docs

65
docs citations

65
times ranked

3071
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated radio tracking provides evidence for social pair bonds in an obligate brood parasite. <i>Ibis</i> , 2022, 164, 1180-1191.	1.0	1
2	Rapid adjustments of migration and life history in hemisphere-switching cliff swallows. <i>Current Biology</i> , 2021, 31, 2914-2919.e2.	1.8	13
3	Differences in perceived predation risk associated with variation in relative size of extra-pair and within-pair offspring. <i>Journal of Evolutionary Biology</i> , 2020, 33, 282-296.	0.8	3
4	Developmental temperature predicts the adult response to stressors in a free-living passerine. <i>Journal of Animal Ecology</i> , 2020, 89, 842-854.	1.3	7
5	Wandering woodpeckers: foray behavior in a social bird. <i>Ecology</i> , 2020, 101, e02943.	1.5	14
6	Birds advancing lay dates with warming springs face greater risk of chick mortality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25590-25594.	3.3	86
7	Full lifetime perspectives on the costs and benefits of lay-date variation in tree swallows. <i>Ecology</i> , 2020, 101, e03109.	1.5	23
8	Aquatic and terrestrial resources are not nutritionally reciprocal for consumers. <i>Functional Ecology</i> , 2019, 33, 2042-2052.	1.7	54
9	Reconstruction of long-distance bird migration routes using advanced machine learning techniques on geolocator data. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190031.	1.5	5
10	Nonbreeding season movements of a migratory songbird are related to declines in resource availability. <i>Auk</i> , 2019, 136, .	0.7	10
11	Temperate-Tropical Variation in Breeding Synchrony and Extra-Pair Paternity Among New World Tachycineta Swallows. <i>Scientific Reports</i> , 2019, 9, 12713.	1.6	4
12	Brief Increases in Corticosterone Affect Morphology, Stress Responses, and Telomere Length but Not Postfledging Movements in a Wild Songbird. <i>Physiological and Biochemical Zoology</i> , 2019, 92, 274-285.	0.6	11
13	A range-wide domino effect and resetting of the annual cycle in a migratory songbird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20181916.	1.2	48
14	Negligible effects of blood sampling on reproductive performance and return rates of Tree Swallows. <i>Journal of Field Ornithology</i> , 2019, 90, 21-38.	0.3	7
15	On again, off again: Acute stress response and negative feedback together predict resilience to experimental challenges. <i>Functional Ecology</i> , 2019, 33, 619-628.	1.7	58
16	Conversion efficiency of alpha linolenic acid to omega-3 highly unsaturated fatty acids in aerial insectivore chicks. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	22
17	Constructing and evaluating a continent-wide migratory songbird network across the annual cycle. <i>Ecological Monographs</i> , 2018, 88, 445-460.	2.4	58
18	Geographic variation and environmental correlates of apparent survival rates in adult tree swallows <i>Tachycineta bicolor</i> . <i>Journal of Avian Biology</i> , 2018, 49, jav-012514.	0.6	27

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19	Inherent limits of light-level geolocation may lead to over-interpretation. <i>Current Biology</i> , 2018, 28, R99-R100.	1.8	27
20	An open-source sensor logger for recording vertical movement in free-living organisms. <i>Methods in Ecology and Evolution</i> , 2018, 9, 465-471.	2.2	19
21	Solar-powered radio tags reveal patterns of post-fledging site visitation in adult and juvenile Tree Swallows <i>Tachycineta bicolor</i> . <i>PLoS ONE</i> , 2018, 13, e0206258.	1.1	11
22	Aquatic insects rich in omega-3 fatty acids drive breeding success in a widespread bird. <i>Ecology Letters</i> , 2018, 21, 1812-1820.	3.0	100
23	The lingering impact of stress: brief acute glucocorticoid exposure has sustained, dose-dependent effects on reproduction. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180722.	1.2	46
24	Is there a context-dependent advantage of extra-pair mating in Tree Swallows?. <i>Auk</i> , 2018, 135, 998-1008.	0.7	1
25	The rate of telomere loss is related to maximum lifespan in birds. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20160445.	1.8	109
26	Integrated population models reveal local weather conditions are the key drivers of population dynamics in an aerial insectivore. <i>Oecologia</i> , 2017, 185, 119-130.	0.9	56
27	Long-Distance Range Expansion and Rapid Adjustment of Migration in a Newly Established Population of Barn Swallows Breeding in Argentina. <i>Current Biology</i> , 2017, 27, 1080-1084.	1.8	46
28	Habitat-specific divergence of air conditioning structures in bird bills. <i>Auk</i> , 2017, 134, 65-75.	0.7	18
29	Extra-pair paternity in a population of Chilean Swallows breeding at 54 degrees south. <i>Journal of Field Ornithology</i> , 2016, 87, 155-161.	0.3	9
30	Comparing inferences of solar geolocation data against high-precision GPS data: annual movements of a double-tagged black-tailed godwit. <i>Journal of Avian Biology</i> , 2016, 47, 589-596.	0.6	68
31	Differences in size between first and replacement clutches match the seasonal decline in single clutches in Tree Swallows <i>Tachycineta bicolor</i> . <i>Ibis</i> , 2016, 158, 607-613.	1.0	5
32	Understanding spatial distributions: negative density-dependence in prey causes predators to trade-off prey quantity with quality. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20151557.	1.2	31
33	Quantifying non-breeding season occupancy patterns and the timing and drivers of autumn migration for a migratory songbird using Doppler radar. <i>Ecography</i> , 2016, 39, 1017-1024.	2.1	17
34	Omega-3 long-chain polyunsaturated fatty acids support aerial insectivore performance more than food quantity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10920-10925.	3.3	164
35	A hidden Markov model for reconstructing animal paths from solar geolocation loggers using templates for light intensity. <i>Movement Ecology</i> , 2015, 3, 25.	1.3	61
36	Lab-on-a-Bird: Biophysical Monitoring of Flying Birds. <i>PLoS ONE</i> , 2015, 10, e0123947.	1.1	13

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37	Heterothermic flexibility allows energetic savings in a small tropical swift: The Silver-rumped Spinetail (<i>Rhaphidura leucopygialis</i>). <i>Auk</i> , 2015, 132, 697-703.	0.7	5
38	Trans-Gulf of Mexico loop migration of tree swallows revealed by solar geolocation. <i>Environmental Epigenetics</i> , 2014, 60, 653-659.	0.9	20
39	Cues, strategies, and outcomes: how migrating vertebrates track environmental change. <i>Movement Ecology</i> , 2014, 2, .	1.3	123
40	The role of atmospheric conditions in the seasonal dynamics of North American migration flyways. <i>Journal of Biogeography</i> , 2014, 41, 1685-1696.	1.4	102
41	Behavioral drivers of communal roosting in a songbird: a combined theoretical and empirical approach. <i>Behavioral Ecology</i> , 2014, 25, 734-743.	1.0	24
42	Signatures of natural selection in the mitochondrial genomes of <i>Tachycineta</i> swallows and their implications for latitudinal patterns of the "pace of life". <i>Gene</i> , 2014, 546, 104-111.	1.0	24
43	Naïve migrants and the use of magnetic cues: temporal fluctuations in the geomagnetic field differentially affect male and female <i>Philomachus pugnax</i> during their first migration. <i>Ibis</i> , 2014, 156, 864-869.	1.0	6
44	Temperature effects on food supply and chick mortality in tree swallows (<i>Tachycineta bicolor</i>). <i>Oecologia</i> , 2013, 173, 129-138.	0.9	127
45	Advances in tracking small migratory birds: a technical review of light-level geolocation. <i>Journal of Field Ornithology</i> , 2013, 84, 121-137.	0.3	141
46	Integrating information from geolocators, weather radar, and citizen science to uncover a key stopover area of an aerial insectivore. <i>Auk</i> , 2013, 130, 230-239.	0.7	51
47	Rapid loss of fat but not lean mass prior to chick provisioning supports the flight efficiency hypothesis in tree swallows. <i>Functional Ecology</i> , 2012, 26, 895-903.	1.7	22
48	Population Genetics of a Recent Transcontinental Colonization of South America by Breeding Barn Swallows (<i>Hirundo rustica</i>). <i>Auk</i> , 2011, 128, 506-513.	0.7	14
49	Integrating concepts and technologies to advance the study of bird migration. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 354-361.	1.9	158
50	Subtle Edge-of-Range Genetic Structuring in Transcontinentally Distributed North American Tree Swallows. <i>Condor</i> , 2009, 111, 470-478.	0.7	11
51	Polygyny in the tree swallow (<i>Tachycineta bicolor</i>): a result of the cost of searching for an unmated male. <i>Journal of Avian Biology</i> , 2009, 40, 289-295.	0.6	22
52	Dispersal distances of Tree Swallows estimated from continent-wide and limited-area data. <i>Journal of Field Ornithology</i> , 2007, 78, 290-297.	0.3	13
53	Annual Variation in Numbers of Breeding California Gulls at Mono Lake, California: the Importance of Natal Philopatry and Local and Regional Conditions. <i>Condor</i> , 2006, 108, 82-96.	0.7	8
54	Brood parasitism of White-rumped Swallows by Shiny Cowbirds. <i>Journal of Field Ornithology</i> , 2006, 77, 80-84.	0.3	3

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55	Annual Variation in Numbers of Breeding California Gulls at Mono Lake, California: the Importance of Natal Philopatry and Local and Regional Conditions. <i>Condor</i> , 2006, 108, 82.	0.7	6
56	The natal dispersal of tree swallows in a continuous mainland environment. <i>Journal of Animal Ecology</i> , 2005, 74, 1080-1090.	1.3	81
57	Can reinforcement learning explain variation in early infant crying?. <i>Behavioral and Brain Sciences</i> , 2004, 27, 468-468.	0.4	10
58	Breeding Dispersal and Philopatry in the Tree Swallow. <i>Condor</i> , 2004, 106, 768-776.	0.7	81
59	BREEDING DISPERSAL AND PHILOPATRY IN THE TREE SWALLOW. <i>Condor</i> , 2004, 106, 768.	0.7	86
60	Predicting the effects of climate change on avian life-history traits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13595-13599.	3.3	205
61	Geographic and Ecological Variation in Clutch Size of Tree Swallows. <i>Auk</i> , 2000, 117, 215-221.	0.7	51
62	The AOU Conservation Committee Review of the Biology, Status, and Management of Cape Sable Seaside Sparrows: Final Report. <i>Auk</i> , 2000, 117, 1093-1115.	0.7	15
63	The Phylogenetic Approach to Avian Life Histories: An Important Complement to Within-Population Studies. <i>Condor</i> , 2000, 102, 52-59.	0.7	16
64	The Seasonal Decline in Tree Swallow Clutch Size: Physiological Constraint or Strategic Adjustment?. <i>Ecology</i> , 1996, 77, 922-932.	1.5	223