David W Winkler

List of Publications by Year
in descending order

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	The Seasonal Decline in Tree Swallow Clutch Size: Physiological Constraint or Strategic Adjustment?. Ecology, 1996, 77, 922-932.	1.5	223
2	Predicting the effects of climate change on avian life-history traits. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13595-13599.	3.3	205
3	Omega-3 long-chain polyunsaturated fatty acids support aerial insectivore performance more than food quantity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10920-10925.	3.3	164
4	Integrating concepts and technologies to advance the study of bird migration. Frontiers in Ecology and the Environment, 2010, 8, 354-361.	1.9	158
5	Advances in tracking small migratory birds: a technical review of light-level geolocation. Journal of Field Ornithology, 2013, 84, 121-137.	0.3	141
6	Temperature effects on food supply and chick mortality in tree swallows (Tachycineta bicolor). Oecologia, 2013, 173, 129-138.	0.9	127
7	Cues, strategies, and outcomes: how migrating vertebrates track environmental change. Movement Ecology, 2014, 2, .	1.3	123
8	The rate of telomere loss is related to maximum lifespan in birds. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20160445.	1.8	109
9	The role of atmospheric conditions in the seasonal dynamics of North American migration flyways. Journal of Biogeography, 2014, 41, 1685-1696.	1.4	102
10	Aquatic insects rich in omegaâ€3 fatty acids drive breeding success in a widespread bird. Ecology Letters, 2018, 21, 1812-1820.	3.0	100
11	BREEDING DISPERSAL AND PHILOPATRY IN THE TREE SWALLOW. Condor, 2004, 106, 768.	0.7	86
12	Birds advancing lay dates with warming springs face greater risk of chick mortality. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25590-25594.	3.3	86
13	Breeding Dispersal and Philopatry in the Tree Swallow. Condor, 2004, 106, 768-776.	0.7	81
14	The natal dispersal of tree swallows in a continuous mainland environment. Journal of Animal Ecology, 2005, 74, 1080-1090.	1.3	81
15	Comparing inferences of solar geolocation data against highâ€precision GPS data: annual movements of a doubleâ€tagged blackâ€tailed godwit. Journal of Avian Biology, 2016, 47, 589-596.	0.6	68
16	A hidden Markov model for reconstructing animal paths from solar geolocation loggers using templates for light intensity. Movement Ecology, 2015, 3, 25.	1.3	61
17	Constructing and evaluating a continentâ€wide migratory songbird network across the annual cycle. Ecological Monographs, 2018, 88, 445-460.	2.4	58
18	On again, off again: Acute stress response and negative feedback together predict resilience to experimental challenges. Functional Ecology, 2019, 33, 619-628.	1.7	58

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19	Integrated population models reveal local weather conditions are the key drivers of population dynamics in an aerial insectivore. Oecologia, 2017, 185, 119-130.	0.9	56
20	Aquatic and terrestrial resources are not nutritionally reciprocal for consumers. Functional Ecology, 2019, 33, 2042-2052.	1.7	54
21	Geographic and Ecological Variation in Clutch Size of Tree Swallows. Auk, 2000, 117, 215-221.	0.7	51
22	Integrating information from geolocators, weather radar, and citizen science to uncover a key stopover area of an aerial insectivore. Auk, 2013, 130, 230-239.	0.7	51
23	A range-wide domino effect and resetting of the annual cycle in a migratory songbird. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20181916.	1.2	48
24	Long-Distance Range Expansion and Rapid Adjustment of Migration in a Newly Established Population of Barn Swallows Breeding in Argentina. Current Biology, 2017, 27, 1080-1084.	1.8	46
25	The lingering impact of stress: brief acute glucocorticoid exposure has sustained, dose-dependent effects on reproduction. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180722.	1.2	46
26	Understanding spatial distributions: negative density-dependence in prey causes predators to trade-off prey quantity with quality. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20151557.	1.2	31
27	Geographic variation and environmental correlates of apparent survival rates in adult tree swallows Tachycineta bicolor. Journal of Avian Biology, 2018, 49, jav-012514.	0.6	27
28	Inherent limits of light-level geolocation may lead to over-interpretation. Current Biology, 2018, 28, R99-R100.	1.8	27
29	Behavioral drivers of communal roosting in a songbird: a combined theoretical and empirical approach. Behavioral Ecology, 2014, 25, 734-743.	1.0	24
30	Signatures of natural selection in the mitochondrial genomes of Tachycineta swallows and their implications for latitudinal patterns of the â€˜pace of lifeâ€™. Gene, 2014, 546, 104-111.	1.0	24
31	Full lifetime perspectives on the costs and benefits of layâ€date variation in tree swallows. Ecology, 2020, 101, e03109.	1.5	23
32	Polygyny in the tree swallow Tachycineta bicolor: a result of the cost of searching for an unmated male. Journal of Avian Biology, 2009, 40, 289-295.	0.6	22
33	Rapid loss of fat but not lean mass prior to chick provisioning supports the flight efficiency hypothesis in tree swallows. Functional Ecology, 2012, 26, 895-903.	1.7	22
34	Conversion efficiency of alpha linolenic acid to omega-3 highly unsaturated fatty acids in aerial insectivore chicks. Journal of Experimental Biology, 2018, 221, .	0.8	22
35	Trans-Gulf of Mexico loop migration of tree swallows revealed by solar geolocation. Environmental Epigenetics, 2014, 60, 653-659.	0.9	20
36	An openâ€source sensorâ€logger for recording vertical movement in freeâ€living organisms. Methods in Ecology and Evolution, 2018, 9, 465-471.	2.2	19

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37	Habitat-specific divergence of air conditioning structures in bird bills. Auk, 2017, 134, 65-75.	0.7	18
38	Quantifying nonâ€breeding season occupancy patterns and the timing and drivers of autumn migration for a migratory songbird using Doppler radar. Ecography, 2016, 39, 1017-1024.	2.1	17
39	The Phylogenetic Approach to Avian Life Histories: An Important Complement to Within-Population Studies. Condor, 2000, 102, 52-59.	0.7	16
40	The AOU Conservation Committee Review of the Biology, Status, and Management of Cape Sable Seaside Sparrows: Final Report. Auk, 2000, 117, 1093-1115.	0.7	15
41	Population Genetics of a Recent Transcontinental Colonization of South America by Breeding Barn Swallows (Hirundo rustica). Auk, 2011, 128, 506-513.	0.7	14
42	Wandering woodpeckers: foray behavior in a social bird. Ecology, 2020, 101, e02943.	1.5	14
43	Dispersal distances of Tree Swallows estimated from continent-wide and limited-area data. Journal of Field Ornithology, 2007, 78, 290-297.	0.3	13
44	Lab-on-a-Bird: Biophysical Monitoring of Flying Birds. PLoS ONE, 2015, 10, e0123947.	1.1	13
45	Rapid adjustments of migration and life history in hemisphere-switching cliff swallows. Current Biology, 2021, 31, 2914-2919.e2.	1.8	13
46	Subtle Edge-of-Range Genetic Structuring in Transcontinentally Distributed North American Tree Swallows. Condor, 2009, 111, 470-478.	0.7	11
47	Solar-powered radio tags reveal patterns of post-fledging site visitation in adult and juvenile Tree Swallows Tachycineta bicolor. PLoS ONE, 2018, 13, e0206258.	1.1	11
48	Brief Increases in Corticosterone Affect Morphology, Stress Responses, and Telomere Length but Not Postfledging Movements in a Wild Songbird. Physiological and Biochemical Zoology, 2019, 92, 274-285.	0.6	11
49	Can reinforcement learning explain variation in early infant crying?. Behavioral and Brain Sciences, 2004, 27, 468-468.	0.4	10
50	Nonbreeding season movements of a migratory songbird are related to declines in resource availability. Auk, 2019, 136, .	0.7	10
51	Extraâ€pair paternity in a population of Chilean Swallows breeding at 54 degrees south. Journal of Field Ornithology, 2016, 87, 155-161.	0.3	9
52	Annual Variation in Numbers of Breeding California Gulls at Mono Lake, California: the Importance of Natal Philopatry and Local and Regional Conditions. Condor, 2006, 108, 82-96.	0.7	8
53	Negligible effects of blood sampling on reproductive performance and return rates of Tree Swallows. Journal of Field Ornithology, 2019, 90, 21-38.	0.3	7
54	Developmental temperature predicts the adult response to stressors in a freeâ€living passerine. Journal of Animal Ecology, 2020, 89, 842-854.	1.3	7

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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. Condor, 2006, 108, 82.	0.7	6
56	NaÃ¯ve migrants and the use of magnetic cues: temporal fluctuations in the geomagnetic field differentially affect male and female <scp>R</scp>uff Philomachus pugnax during their first migration. Ibis, 2014, 156, 864-869.	1.0	6
57	Heterothermic flexibility allows energetic savings in a small tropical swift: The Silver-rumped Spinetail (Rhaphidura leucopygialis). Auk, 2015, 132, 697-703.	0.7	5
58	Differences in size between first and replacement clutches match the seasonal decline in single clutches in Tree Swallows Tachycineta bicolor. Ibis, 2016, 158, 607-613.	1.0	5
59	Reconstruction of long-distance bird migration routes using advanced machine learning techniques on geolocator data. Journal of the Royal Society Interface, 2019, 16, 20190031.	1.5	5
60	Temperate-Tropical Variation in Breeding Synchrony and Extra-Pair Paternity Among New World Tachycineta Swallows. Scientific Reports, 2019, 9, 12713.	1.6	4
61	Brood parasitism of White-rumped Swallows by Shiny Cowbirds. Journal of Field Ornithology, 2006, 77, 80-84.	0.3	3
62	Differences in perceived predation risk associated with variation in relative size of extraâ€pair and withinâ€pair offspring. Journal of Evolutionary Biology, 2020, 33, 282-296.	0.8	3
63	Is there a context-dependent advantage of extra-pair mating in Tree Swallows?. Auk, 2018, 135, 998-1008.	0.7	1
64	Automated radio tracking provides evidence for social pair bonds in an obligate brood parasite. Ibis, 2022, 164, 1180-1191.	1.0	1