

Kyle G Horton

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,557
citations

304743

22
h-index

330143

37
g-index

48
all docs

48
docs citations

48
times ranked

1212
citing authors

#	ARTICLE	IF	CITATIONS
1	High-intensity urban light installation dramatically alters nocturnal bird migration. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11175-11180.	7.1	192
2	A continental system for forecasting bird migration. Science, 2018, 361, 1115-1118.	12.6	133
3	Phenology of nocturnal avian migration has shifted at the continental scale. Nature Climate Change, 2020, 10, 63-68.	18.8	86
4	Bright lights in the big cities: migratory birds' exposure to artificial light. Frontiers in Ecology and the Environment, 2019, 17, 209-214.	4.0	84
5	Nocturnally migrating songbirds drift when they can and compensate when they must. Scientific Reports, 2016, 6, 21249.	3.3	69
6	Dual-polarization radar products for biological applications. Ecosphere, 2016, 7, e01539.	2.2	67
7	The grand challenges of migration ecology that radar aeroecology can help answer. Ecography, 2019, 42, 861-875.	4.5	61
8	Holding steady: Little change in intensity or timing of bird migration over the Gulf of Mexico. Global Change Biology, 2019, 25, 1106-1118.	9.5	59
9	Seasonal differences in landbird migration strategies. Auk, 2016, 133, 761-769.	1.4	51
10	Drivers of fatal bird collisions in an urban center. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	51
11	Toward a predictive macrosystems framework for migration ecology. Global Ecology and Biogeography, 2016, 25, 1159-1165.	5.8	47
12	Novel measures of continental-scale avian migration phenology related to proximate environmental cues. Ecosphere, 2016, 7, e01434.	2.2	43
13	A comparison of traffic estimates of nocturnal flying animals using radar, thermal imaging, and acoustic recording. Ecological Applications, 2015, 25, 390-401.	3.8	41
14	Measuring historical bird migration in the US using archived weather radar data and convolutional neural networks. Methods in Ecology and Evolution, 2019, 10, 1908-1922.	5.2	40
15	Area is the primary correlate of annual and seasonal patterns of avian species richness in urban green spaces. Landscape and Urban Planning, 2020, 203, 103892.	7.5	38
16	Navigating north: how body mass and winds shape avian flight behaviours across a North American migratory flyway. Ecology Letters, 2018, 21, 1055-1064.	6.4	37
17	A place to land: spatiotemporal drivers of stopover habitat use by migrating birds. Ecology Letters, 2021, 24, 38-49.	6.4	37
18	Extracting Migrant Flight Orientation Profiles Using Polarimetric Radar. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6518-6528.	6.3	31

#	ARTICLE	IF	CITATIONS
19	Projected changes in wind assistance under climate change for nocturnally migrating bird populations. <i>Global Change Biology</i> , 2019, 25, 589-601.	9.5	31
20	The role of the US Great Plains low-level jet in nocturnal migrant behavior. <i>International Journal of Biometeorology</i> , 2016, 60, 1531-1542.	3.0	29
21	An assessment of spatio-temporal relationships between nocturnal bird migration traffic rates and diurnal bird stopover density. <i>Movement Ecology</i> , 2016, 4, 1.	2.8	27
22	Persistence and habitat associations of Purple Martin roosts quantified via weather surveillance radar. <i>Landscape Ecology</i> , 2016, 31, 43-53.	4.2	26
23	Where in the air? Aerial habitat use of nocturnally migrating birds. <i>Biology Letters</i> , 2016, 12, 20160591.	2.3	23
24	Near-term ecological forecasting for dynamic aeroconservation of migratory birds. <i>Conservation Biology</i> , 2021, 35, 1777-1786.	4.7	23
25	Seasonal variation in the effects of artificial light at night on the occurrence of nocturnally migrating birds in urban areas. <i>Environmental Pollution</i> , 2021, 270, 116085.	7.5	22
26	Extending bioacoustic monitoring of birds aloft through flight call localization with a three-dimensional microphone array. <i>Ecology and Evolution</i> , 2016, 6, 7039-7046.	1.9	21
27	Wind drift explains the reoriented morning flights of songbirds. <i>Behavioral Ecology</i> , 2016, 27, 1122-1131.	2.2	21
28	Broad-Scale Weather Patterns Encountered during Flight Influence Landbird Stopover Distributions. <i>Remote Sensing</i> , 2020, 12, 565.	4.0	18
29	Seasonally specific changes in migration phenology across 50 years in the Black-throated Blue Warbler. <i>Auk</i> , 2020, 137, .	1.4	16
30	Influence of atmospheric properties on detection of wood-warbler nocturnal flight calls. <i>International Journal of Biometeorology</i> , 2015, 59, 1385-1394.	3.0	14
31	Innovative Visualizations Shed Light on Avian Nocturnal Migration. <i>PLoS ONE</i> , 2016, 11, e0160106.	2.5	14
32	Bird strikes at commercial airports explained by citizen science and weather radar data. <i>Journal of Applied Ecology</i> , 2021, 58, 2029-2039.	4.0	14
33	Seasonal associations with light pollution trends for nocturnally migrating bird populations. <i>Ecosphere</i> , 2022, 13, .	2.2	12
34	Assessing the combined threats of artificial light at night and air pollution for the world's nocturnally migrating birds. <i>Global Ecology and Biogeography</i> , 2022, 31, 912-924.	5.8	9
35	Using weather radar to help minimize wind energy impacts on nocturnally migrating birds. <i>Conservation Letters</i> , 2022, 15, .	5.7	9
36	Predicting bird-window collisions with weather radar. <i>Journal of Applied Ecology</i> , 2021, 58, 1593-1601.	4.0	8

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37	Individual flight-calling behaviour in wood warblers. <i>Animal Behaviour</i> , 2016, 114, 241-247.	1.9	7
38	Migratory flight on the Pacific Flyway: strategies and tendencies of wind drift compensation. <i>Biology Letters</i> , 2019, 15, 20190383.	2.3	7
39	Estimating mass change of migrant songbirds during stopover: comparison of three different methods. <i>Journal of Field Ornithology</i> , 2012, 83, 412-419.	0.5	5
40	Breeding season length predicts duet coordination and consistency in Neotropical wrens (Troglodytidae). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20202482.	2.6	5
41	The correlation between eBird community science and weather surveillance radar-based estimates of migration phenology. <i>Global Ecology and Biogeography</i> , 2022, 31, 2219-2230.	5.8	5
42	The Pulse of the Planet: Measuring and Interpreting Phenology of Avian Migration. , 2017, , 401-425.		4
43	Is flight-calling behaviour influenced by age, sex and/or body condition?. <i>Animal Behaviour</i> , 2018, 138, 123-129.	1.9	4
44	Aeroecology of a solar eclipse. <i>Biology Letters</i> , 2018, 14, 20180485.	2.3	4
45	A weather surveillance radar view of Alaskan avian migration. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210232.	2.6	4
46	Winds aloft over three water bodies influence spring stopover distributions of migrating birds along the Gulf of Mexico coast. <i>Auk</i> , 2021, 138, .	1.4	3
47	Continental Patterns of Bird Migration Linked to Climate Variability. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E536-E547.	3.3	1