

Silke Bauer

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

3,302
citations

159585

30
h-index

161849

54
g-index

68
all docs

68
docs citations

68
times ranked

4021
citing authors

#	ARTICLE	IF	CITATIONS
1	Migratory Animals Couple Biodiversity and Ecosystem Functioning Worldwide. <i>Science</i> , 2014, 344, 1242552.	12.6	586
2	The natural link between Europe and Africa – 2.1 billion birds on migration. <i>Oikos</i> , 2009, 118, 624-626.	2.7	192
3	Integrating movement ecology with biodiversity research - exploring new avenues to address spatiotemporal biodiversity dynamics. <i>Movement Ecology</i> , 2013, 1, 6.	2.8	169
4	Cues and the optimal timing of activities under environmental changes. <i>Ecology Letters</i> , 2011, 14, 1183-1190.	6.4	125
5	Light-level geolocator analyses: A user's guide. <i>Journal of Animal Ecology</i> , 2020, 89, 221-236.	2.8	113
6	THE RELEVANCE OF ENVIRONMENTAL CONDITIONS FOR DEPARTURE DECISION CHANGES EN ROUTE IN MIGRATING GEESE. <i>Ecology</i> , 2008, 89, 1953-1960.	3.2	99
7	Forecasting spring from afar? Timing of migration and predictability of phenology along different migration routes of an avian herbivore. <i>Journal of Animal Ecology</i> , 2015, 84, 272-283.	2.8	93
8	Estimating the contribution of carnivorous waterbirds to nutrient loading in freshwater habitats. <i>Freshwater Biology</i> , 2007, 52, 2421-2433.	2.4	84
9	Timing is crucial for consequences of migratory connectivity. <i>Oikos</i> , 2016, 125, 605-612.	2.7	83
10	Modelling behavioural and fitness consequences of disturbance for geese along their spring flyway. <i>Journal of Applied Ecology</i> , 2005, 43, 92-100.	4.0	82
11	The consequences of climate-driven stopover sites changes on migration schedules and fitness of Arctic geese. <i>Journal of Animal Ecology</i> , 2008, 77, 654-660.	2.8	81
12	What decision rules might pink-footed geese use to depart on migration? An individual-based model. <i>Behavioral Ecology</i> , 2009, 20, 560-569.	2.2	78
13	Revealing patterns of nocturnal migration using the European weather radar network. <i>Ecography</i> , 2019, 42, 876-886.	4.5	72
14	Mechanistic models of animal migration behaviour – their diversity, structure and use. <i>Journal of Animal Ecology</i> , 2013, 82, 498-508.	2.8	71
15	Continental-scale radar monitoring of the aerial movements of animals. <i>Movement Ecology</i> , 2014, 2, .	2.8	67
16	From Agricultural Benefits to Aviation Safety: Realizing the Potential of Continent-Wide Radar Networks. <i>BioScience</i> , 2017, 67, 912-918.	4.9	64
17	Cues and decision rules in animal migration. , 2011, , 68-87.		63
18	The grand challenges of migration ecology that radar aeroecology can help answer. <i>Ecography</i> , 2019, 42, 861-875.	4.5	61

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19	Asymmetric competition as a natural outcome of neighbour interactions among plants: results from the field-of-neighbourhood modelling approach. <i>Plant Ecology</i> , 2004, 170, 135-145.	1.6	57
20	Faltering lemming cycles reduce productivity and population size of a migratory Arctic goose species. <i>Journal of Animal Ecology</i> , 2013, 82, 804-813.	2.8	57
21	Predation Danger Can Explain Changes in Timing of Migration: The Case of the Barnacle Goose. <i>PLoS ONE</i> , 2010, 5, e11369.	2.5	53
22	A full annual perspective on sex-biased migration timing in long-distance migratory birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182821.	2.6	52
23	Broad-scale patterns of the Afro-Palaeartic landbird migration. <i>Global Ecology and Biogeography</i> , 2020, 29, 722-735.	5.8	49
24	Repeatability of individual migration routes, wintering sites, and timing in a long-distance migrant bird. <i>Ecology and Evolution</i> , 2016, 6, 8679-8685.	1.9	45
25	Miniaturized multi-sensor loggers provide new insight into year-round flight behaviour of small trans-Saharan avian migrants. <i>Movement Ecology</i> , 2018, 6, 19.	2.8	45
26	Optimal management of a goose flyway: migrant management at minimum cost. <i>Journal of Applied Ecology</i> , 2008, 45, 1446-1452.	4.0	43
27	Optimal movement between patches under incomplete information about the spatial distribution of food items. <i>Theoretical Population Biology</i> , 2006, 70, 452-463.	1.1	41
28	Potential for an Arctic-breeding migratory bird to adjust spring migration phenology to Arctic amplification. <i>Global Change Biology</i> , 2017, 23, 4058-4067.	9.5	41
29	Quantification of allochthonous nutrient input into freshwater bodies by herbivorous waterbirds. <i>Freshwater Biology</i> , 2008, 53, 181-193.	2.4	36
30	How to find natural reservoir hosts from endemic prevalence in a multi-host population: A case study of influenza in waterfowl. <i>Epidemics</i> , 2009, 1, 118-128.	3.0	36
31	A chain is as strong as its weakest link: assessing the consequences of habitat loss and degradation in a long-distance migratory shorebird. <i>Emu</i> , 2016, 116, 199-207.	0.6	32
32	Spatiotemporal Group Dynamics in a Long-Distance Migratory Bird. <i>Current Biology</i> , 2018, 28, 2824-2830.e3.	3.9	31
33	Individual migration timing of common nightingales is tuned with vegetation and prey phenology at breeding sites. <i>BMC Ecology</i> , 2014, 14, 9.	3.0	30
34	Low intensity blood parasite infections do not reduce the aerobic performance of migratory birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172307.	2.6	30
35	Dependencies in the timing of activities weaken over the annual cycle in a long-distance migratory bird. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	1.4	29
36	Cyclic dynamics in simulated plant populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 2443-2450.	2.6	27

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37	Inherent limits of light-level geolocation may lead to over-interpretation. <i>Current Biology</i> , 2018, 28, R99-R100.	3.9	27
38	Migratory connectivity in the context of differential migration. <i>Biology Letters</i> , 2018, 14, 20180679.	2.3	26
39	Many routes lead to Rome: potential causes for the multi-route migration system of Red Knots, <i>Calidris canutus islandica</i> . <i>Ecology</i> , 2010, 91, 1822-1831.	3.2	23
40	Environmental variability, reliability of information and the timing of migration. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200622.	2.6	22
41	Sexual harassment in heterogeneous landscapes can mediate population regulation in a grasshopper. <i>Behavioral Ecology</i> , 2005, 16, 239-246.	2.2	21
42	No detectable effects of lightweight geolocators on a Palaearctic-African long-distance migrant. <i>Journal of Ornithology</i> , 2016, 157, 255-264.	1.1	20
43	Dominance in feeding territories relates to foraging success and offspring growth in brown skuas <i>Catharacta antarctica lonnbergi</i> . <i>Behavioral Ecology and Sociobiology</i> , 2008, 62, 1149-1157.	1.4	19
44	Host migration strategy and blood parasite infections of three sparrow species sympatrically breeding in Southeast Europe. <i>Parasitology Research</i> , 2018, 117, 3733-3741.	1.6	17
45	A Geostatistical Approach to Estimate High Resolution Nocturnal Bird Migration Densities from a Weather Radar Network. <i>Remote Sensing</i> , 2019, 11, 2233.	4.0	16
46	The Indo-European flyway: Opportunities and constraints reflected by Common Rosefinches breeding across Europe. <i>Journal of Biogeography</i> , 2021, 48, 1255-1266.	3.0	16
47	Blood parasites prevalence of migrating passerines increases over the spring passage period. <i>Journal of Zoology</i> , 2018, 306, 23-27.	1.7	15
48	Effects of blood parasite infections on spatiotemporal migration patterns and activity budgets in a long-distance migratory passerine. <i>Ecology and Evolution</i> , 2021, 11, 753-762.	1.9	14
49	Shifts in vegetation phenology along flyways entail varying risks of mistiming in a migratory songbird. <i>Ecosphere</i> , 2016, 7, e01385.	2.2	12
50	Shooting may aggravate rather than alleviate conflicts between migratory geese and agriculture. <i>Journal of Applied Ecology</i> , 2018, 55, 2653-2662.	4.0	12
51	Diverse migration strategies in hoopoes (<i>Upupa epops</i>) lead to weak spatial but strong temporal connectivity. <i>Die Naturwissenschaften</i> , 2018, 105, 42.	1.6	12
52	Identifying drivers of breeding success in a long-distance migrant using structural equation modelling. <i>Oikos</i> , 2018, 127, 125-133.	2.7	11
53	Taking radar aeroecology into the 21st century. <i>Ecography</i> , 2019, 42, 847-851.	4.5	11
54	Moult-related reduction of aerobic scope in passerine birds. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2019, 189, 463-470.	1.5	9

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55	Weather radars' role in biodiversity monitoring. <i>Science</i> , 2021, 372, 248-248.	12.6	9
56	Skuas at penguin carcass: patch use and state-dependent leaving decisions in a top-predator. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 1449-1454.	2.6	8
57	Climatic drivers of (changes in) bat migration phenology at Bracken Cave (USA). <i>Global Change Biology</i> , 2021, 27, 768-780.	9.5	8
58	The natural link between Europe and Africa - 2.1 billion birds on migration. <i>Oikos</i> , 2009, 118, 624-626.	2.7	8
59	Quantifying year-round nocturnal bird migration with a fluid dynamics model. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210194.	3.4	7
60	A Gaussian Mixture Model to Separate Birds and Insects in Single-Polarization Weather Radar Data. <i>Remote Sensing</i> , 2021, 13, 1989.	4.0	5
61	Short- and long-distance avian migrants differ in exercise endurance but not aerobic capacity. <i>BMC Zoology</i> , 2022, 7, .	1.0	2
62	Meteorological Data Policies Needed to Support Biodiversity Monitoring with Weather Radar. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E1234-E1242.	3.3	1