Thomas Mueller

List of Publications by Year
in descending order

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85 papers	6,991 citations	76326 40 h-index	64796 79 g-index
87 all docs	87 docs citations	87 times ranked	8466 citing authors

#	Article	IF	Citations
1	Cultural worldviews consistently explain bundles of ecosystem service prioritisation across rural Germany. People and Nature, 2022, 4, 218-230.	3.7	20
2	Conservation needs to integrate knowledge across scales. Nature Ecology and Evolution, 2022, 6, 118-119.	7.8	40
3	Rethinking individual relationships with entities of nature. People and Nature, 2022, 4, 596-611.	3.7	9
4	A gazelle's extraordinary, 18,000â€kmâ€long journey through the steppes of <scp>M</scp>ongolia. Ecology, 2022, 103, e3660.	3.2	1
5	Avian seed dispersal may be insufficient for plants to track future temperature change on tropical mountains. Global Ecology and Biogeography, 2022, 31, 848-860.	5.8	5
6	Biological Earth observation with animal sensors. Trends in Ecology and Evolution, 2022, 37, 293-298.	8.7	49
7	Evaluating expertâ€based habitat suitability information of terrestrial mammals with <scp>GPSâ€</scp>tracking data. Global Ecology and Biogeography, 2022, 31, 1526-1541.	5.8	6
8	Mammal population densities at a global scale are higher in humanâ€modified areas. Ecography, 2021, 44, 1-13.	4.5	62
9	The importance of species diversity for human well-being in Europe. Ecological Economics, 2021, 181, 106917.	5.7	88
10	Biologging reveals individual variation in behavioural predictability in the wild. Journal of Animal Ecology, 2021, 90, 723-737.	2.8	38
11	Resource selection of a nomadic ungulate in a dynamic landscape. PLoS ONE, 2021, 16, e0246809.	2.5	5
12	Differential survival throughout the full annual cycle of a migratory bird presents a lifeâ€history tradeâ€off. Journal of Animal Ecology, 2021, 90, 1228-1238.	2.8	34
13	The plasticity of ungulate migration in a changing world. Ecology, 2021, 102, e03293.	3.2	31
14	Natural Language Processing as a tool to evaluate emotions in conservation conflicts. Biological Conservation, 2021, 256, 109030.	4.1	21
15	Mapping out a future for ungulate migrations. Science, 2021, 372, 566-569.	12.6	61
16	News selection and framing: the media as a stakeholder in humanâ€“carnivore coexistence. Environmental Research Letters, 2021, 16, 064075.	5.2	13
17	Body size and digestive system shape resource selection by ungulates: A crossâ€taxa test of the forage maturation hypothesis. Ecology Letters, 2021, 24, 2178-2191.	6.4	19
18	Causes, Consequences, and Conservation of Ungulate Migration. Annual Review of Ecology, Evolution, and Systematics, 2021, 52, 453-478.	8.3	36

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19	Ontogenetic shifts from social to experiential learning drive avian migration timing. Nature Communications, 2021, 12, 7326.	12.8	18
20	Diurnal timing of nonmigratory movement by birds: the importance of foraging spatial scales. Journal of Avian Biology, 2020, 51, .	1.2	1
21	Communityâ€wide seed dispersal distances peak at low levels of specialisation in sizeâ€structured networks. Oikos, 2020, 129, 1727-1738.	2.7	9
22	Effects of body size on estimation of mammalian area requirements. Conservation Biology, 2020, 34, 1017-1028.	4.7	51
23	COVID-19 lockdown allows researchers to quantify the effects of human activity on wildlife. Nature Ecology and Evolution, 2020, 4, 1156-1159.	7.8	413
24	Downsizing of animal communities triggers stronger functional than structural decay in seed-dispersal networks. Nature Communications, 2020, 11, 1582.	12.8	32
25	A guide for studying among-individual behavioral variation from movement data in the wild. Movement Ecology, 2020, 8, 30.	2.8	116
26	Trait-Based Assessments of Climate-Change Impacts on Interacting Species. Trends in Ecology and Evolution, 2020, 35, 319-328.	8.7	106
27	Movementâ€mediated community assembly and coexistence. Biological Reviews, 2020, 95, 1073-1096.	10.4	62
28	Non-material contributions of wildlife to human well-being: a systematic review. Environmental Research Letters, 2020, 15, 093005.	5.2	39
29	Development of swarm behavior in artificial learning agents that adapt to different foraging environments. PLoS ONE, 2020, 15, e0243628.	2.5	9
30	The importance of early life experience and animal cultures in reintroductions. Conservation Letters, 2019, 12, e12599.	5.7	9
31	Longest terrestrial migrations and movements around the world. Scientific Reports, 2019, 9, 15333.	3.3	91
32	Updated geographic range maps for giraffe, Giraffa spp., throughout subâ€Saharan Africa, and implications of changing distributions for conservation. Mammal Review, 2019, 49, 285-299.	4.8	27
33	Large birds travel farther in homogeneous environments. Global Ecology and Biogeography, 2019, 28, 576-587.	5.8	39
34	Movement Ecology of Reintroduced Migratory Whooping Cranes. , 2019, , 217-238.		4
35	Challenges in the conservation of wideâ€ranging nomadic species. Journal of Applied Ecology, 2019, 56, 1916-1926.	4.0	39
36	Beyond Migration: Causes and Consequences of Nomadic Animal Movements. Trends in Ecology and Evolution, 2019, 34, 569-581.	8.7	119

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37	Military training areas facilitate the recolonization of wolves in Germany. Conservation Letters, 2019, 12, e12635.	5.7	58
38	Variability in nomadism: environmental gradients modulate the movement behaviors of dryland ungulates. Ecosphere, 2019, 10, e02924.	2.2	17
39	Don't poke the bear: using tracking data to quantify behavioural syndromes in elusive wildlife. Animal Behaviour, 2019, 147, 91-104.	1.9	90
40	A comprehensive analysis of autocorrelation and bias in home range estimation. Ecological Monographs, 2019, 89, e01344.	5.4	127
41	Revisitation analysis uncovers spatioâ€temporal patterns in animal movement data. Ecography, 2018, 41, 1801-1811.	4.5	110
42	Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. Science, 2018, 359, 466-469.	12.6	783
43	Disentangling social interactions and environmental drivers in multi-individual wildlife tracking data. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170007.	4.0	35
44	Statistical inference for home range overlap. Methods in Ecology and Evolution, 2018, 9, 1679-1691.	5.2	68
45	On the brink of extinctionâ€”Habitat selection of addax and dorcas gazelle across the Tin Toumma desert, Niger. Diversity and Distributions, 2017, 23, 581-591.	4.1	19
46	Memory, not just perception, plays an important role in terrestrial mammalian migration. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170449.	2.6	82
47	A framework for modelling range shifts and migrations: asking when, whither, whether and will it return. Journal of Animal Ecology, 2017, 86, 943-959.	2.8	53
48	Supplementary ungulate feeding affects movement behavior of brown bears. Basic and Applied Ecology, 2017, 24, 68-76.	2.7	76
49	Birds choose long-term partners years before breeding. Animal Behaviour, 2017, 134, 147-154.	1.9	20
50	Estimating where and how animals travel: an optimal framework for path reconstruction from autocorrelated tracking data. Ecology, 2016, 97, 576-582.	3.2	60
51	Pollination and seed dispersal are the most threatened processes of plant regeneration. Scientific Reports, 2016, 6, 29839.	3.3	98
52	Experience drives innovation of new migration patterns of whooping cranes in response to global change. Nature Communications, 2016, 7, 12793.	12.8	83
53	A bird pollinator shows positive frequency dependence and constancy of species choice in natural plant communities. Ecology, 2016, 97, 3110-3118.	3.2	13
54	Human activities negatively impact distribution of ungulates in the Mongolian Gobi. Biological Conservation, 2016, 203, 168-175.	4.1	30

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55	Spatiotemporal habitat dynamics of ungulates in unpredictable environments: The khulan (Equus) Tj ETQq1 1 0.784314 rgBT /Overlo	4.1	21
56	Rigorous home range estimation with movement data: a new autocorrelated kernel density estimator. Ecology, 2015, 96, 1182-1188.	3.2	279
57	How far to go? Determinants of migration distance in land mammals. Ecology Letters, 2015, 18, 545-552.	6.4	81
58	Nomadism and seasonal range expansion in a large frugivorous bird. Ecography, 2015, 38, 54-62.	4.5	22
59	Seed perishability determines the caching behaviour of a foodâ€hoarding bird. Journal of Animal Ecology, 2015, 84, 71-78.	2.8	23
60	How topography induces reproductive asynchrony and alters gypsy moth invasion dynamics. Journal of Animal Ecology, 2015, 84, 188-198.	2.8	22
61	Human Land-Use Practices Lead to Global Long-Term Increases in Photosynthetic Capacity. Remote Sensing, 2014, 6, 5717-5731.	4.0	65
62	From Fine-Scale Foraging to Home Ranges: A Semivariance Approach to Identifying Movement Modes across Spatiotemporal Scales. American Naturalist, 2014, 183, E154-E167.	2.1	176
63	Large frugivorous birds facilitate functional connectivity of fragmented landscapes. Journal of Applied Ecology, 2014, 51, 684-692.	4.0	71
64	Survival probabilities of adult Mongolian gazelles. Journal of Wildlife Management, 2014, 78, 35-41.	1.8	15
65	Nonâ€Markovian maximum likelihood estimation of autocorrelated movement processes. Methods in Ecology and Evolution, 2014, 5, 462-472.	5.2	63
66	Conserving the World's Finest Grassland Amidst Ambitious National Development. Conservation Biology, 2014, 28, 1736-1739.	4.7	54
67	Introducing AMV (Animal Movement Visualizer), a visualization tool for animal movement data from satellite collars and radiotelemetry. Ecological Informatics, 2013, 15, 91-95.	5.2	5
68	Integrating movement ecology with biodiversity research - exploring new avenues to address spatiotemporal biodiversity dynamics. Movement Ecology, 2013, 1, 6.	2.8	169
69	Spatial memory and animal movement. Ecology Letters, 2013, 16, 1316-1329.	6.4	402
70	Social Learning of Migratory Performance. Science, 2013, 341, 999-1002.	12.6	270
71	Optimizing the Search for Resources by Sharing Information: Mongolian Gazelles as a Case Study. Physical Review Letters, 2013, 110, 248106.	7.8	58
72	First direct, site-wide penguin survey at Deception Island, Antarctica, suggests significant declines in breeding chinstrap penguins. Polar Biology, 2012, 35, 1879.	1.2	39

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73	Leadership, social learning, and the maintenance (or collapse) of migratory populations. Theoretical Ecology, 2012, 5, 253-264.	1.0	27
74	The Normalized Difference Vegetation Index (NDVI): unforeseen successes in animal ecology. Climate Research, 2011, 46, 15-27.	1.1	546
75	How landscape dynamics link individual- to population-level movement patterns: a multispecies comparison of ungulate relocation data. Global Ecology and Biogeography, 2011, 20, 683-694.	5.8	152
76	Integrating individual search and navigation behaviors in mechanistic movement models. Theoretical Ecology, 2011, 4, 341-355.	1.0	58
77	Stress associated with group living in a long-lived bird. Biology Letters, 2011, 7, 608-610.	2.3	10
78	Death by a thousand huts? Effects of household presence on density and distribution of Mongolian gazelles. Conservation Letters, 2011, 4, 304-312.	5.7	31
79	Annual movements of Mongolian gazelles: Nomads in the Eastern Steppe. Journal of Arid Environments, 2010, 74, 1435-1442.	2.4	42
80	A mega-herd of more than 200,000 Mongolian gazelles Procapra gutturosa: a consequence of habitat quality. Oryx, 2009, 43, 149.	1.0	40
81	Scaleâ€sensitive landscape complementation determines habitat suitability for a territorial generalist. Ecography, 2009, 32, 345-353.	4.5	23
82	Search and navigation in dynamic environments â€“ from individual behaviors to population distributions. Oikos, 2008, 117, 654-664.	2.7	315
83	Modeling population viability of captive elephants in Myanmar (Burma): implications for wild populations. Animal Conservation, 2008, 11, 198-205.	2.9	58
84	In search of forage: predicting dynamic habitats of Mongolian gazelles using satelliteâ€based estimates of vegetation productivity. Journal of Applied Ecology, 2008, 45, 649-658.	4.0	167
85	Forest cover change patterns in Myanmar (Burma) 1990â€“2000. Environmental Conservation, 2005, 32, 356-364.	1.3	138