

Kamran Safi

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

6,651
citations

94433

37
h-index

69250

77
g-index

106
all docs

106
docs citations

106
times ranked

9450
citing authors

#	ARTICLE	IF	CITATIONS
1	PanTHERIA: a species-level database of life history, ecology, and geography of extant and recently extinct mammals. <i>Ecology</i> , 2009, 90, 2648-2648.	3.2	1,322
2	Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. <i>Science</i> , 2018, 359, 466-469.	12.6	783
3	A dynamic Brownian bridge movement model to estimate utilization distributions for heterogeneous animal movement. <i>Journal of Animal Ecology</i> , 2012, 81, 738-746.	2.8	342
4	Understanding global patterns of mammalian functional and phylogenetic diversity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 2536-2544.	4.0	314
5	Biodiversity Conservation and the Millennium Development Goals. <i>Science</i> , 2009, 325, 1502-1503.	12.6	216
6	Satellite remote sensing, biodiversity research and conservation of the future. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130190.	4.0	171
7	Experimental evidence for group hunting via eavesdropping in echolocating bats. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 2721-2728.	2.6	150
8	A Comparative Analysis of Specialization and Extinction Risk in Temperate-Zone Bats. <i>Conservation Biology</i> , 2004, 18, 1293-1303.	4.7	149
9	Mean colony relatedness is a poor predictor of colony structure and female philopatry in the communally breeding Bechstein's bat (<i>Myotis bechsteinii</i>). <i>Behavioral Ecology and Sociobiology</i> , 2002, 52, 203-210.	1.4	121
10	Consistent behavioral phenotype differences between inbred mouse strains in the IntelliCage. <i>Genes, Brain and Behavior</i> , 2010, 9, 722-731.	2.2	121
11	Analysis and visualisation of movement: an interdisciplinary review. <i>Movement Ecology</i> , 2015, 3, 5.	2.8	118
12	Flying with the wind: scale dependency of speed and direction measurements in modelling wind support in avian flight. <i>Movement Ecology</i> , 2013, 1, 4.	2.8	111
13	Phylogenetically-Informed Priorities for Amphibian Conservation. <i>PLoS ONE</i> , 2012, 7, e43912.	2.5	108
14	Secretions of the interaural gland contain information about individuality and colony membership in the Bechstein's bat. <i>Animal Behaviour</i> , 2003, 65, 363-369.	1.9	103
15	Adaptation of brain regions to habitat complexity: a comparative analysis in bats (Chiroptera). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 179-186.	2.6	102
16	Global aerial flyways allow efficient travelling. <i>Ecology Letters</i> , 2015, 18, 1338-1345.	6.4	95
17	Sex differences in population genetics, home range size and habitat use of the parti-colored bat (<i>Vespertilio murinus</i> , Linnaeus 1758) in Switzerland and their consequences for conservation. <i>Biological Conservation</i> , 2007, 137, 28-36.	4.1	91
18	Bigger is not always better: when brains get smaller. <i>Biology Letters</i> , 2005, 1, 283-286.	2.3	90

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19	Global Patterns of Evolutionary Distinct and Globally Endangered Amphibians and Mammals. PLoS ONE, 2013, 8, e63582.	2.5	84
20	The evolution of mammalian brain size. Science Advances, 2021, 7, .	10.3	84
21	The species diversity, distribution, and conservation status of the terrestrial mammals of Iran. Journal of Mammalogy, 2019, 100, 55-71.	1.3	83
22	Comparative Analyses Suggest That Information Transfer Promoted Sociality in Male Bats in the Temperate Zone. American Naturalist, 2007, 170, 465-472.	2.1	78
23	Comparative analyses of evolutionary rates reveal different pathways to encephalization in bats, carnivorans, and primates. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18006-18011.	7.1	74
24	Ecology and evolution of mammalian biodiversity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2451-2461.	4.0	61
25	Complete, accurate, mammalian phylogenies aid conservation planning, but not much. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2652-2660.	4.0	59
26	True navigation in migrating gulls requires intact olfactory nerves. Scientific Reports, 2015, 5, 17061.	3.3	59
27	The Movebank system for studying global animal movement and demography. Methods in Ecology and Evolution, 2022, 13, 419-431.	5.2	58
28	Comparative studies of brain evolution: a critical insight from the Chiroptera. Biological Reviews, 2009, 84, 161-172.	10.4	55
29	Phylogenetic, spatial and environmental components of extinction risk in carnivores. Global Ecology and Biogeography, 2010, 19, 352-362.	5.8	55
30	Airplane tracking documents the fastest flight speeds recorded for bats. Royal Society Open Science, 2016, 3, 160398.	2.4	54
31	Movements, Home-Range Size and Habitat Selection of Mallards during Autumn Migration. PLoS ONE, 2014, 9, e100764.	2.5	52
32	Biological Earth observation with animal sensors. Trends in Ecology and Evolution, 2022, 37, 293-298.	8.7	49
33	Evidence for Repeated Independent Evolution of Migration in the Largest Family of Bats. PLoS ONE, 2009, 4, e7504.	2.5	48
34	The energy landscape predicts flight height and wind turbine collision hazard in three species of large soaring raptor. Journal of Applied Ecology, 2017, 54, 1895-1906.	4.0	47
35	Mating tactics of male feral goats (<i>Capra hircus</i>): risks and benefits. Acta Ethologica, 2005, 8, 103-110.	0.9	43
36	Implications of sensory ecology for species coexistence: biased perception links predator diversity to prey size distribution. Evolutionary Ecology, 2010, 24, 703-713.	1.2	43

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37	From A to B, randomly: a point-to-point random trajectory generator for animal movement. <i>International Journal of Geographical Information Science</i> , 2015, 29, 912-934.	4.8	42
38	Role of African protected areas in maintaining connectivity for large mammals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130193.	4.0	40
39	Determinants of spring migration departure decision in a bat. <i>Biology Letters</i> , 2017, 13, 20170395.	2.3	38
40	Species Recognition Influences Female Mate Preferences in the Common European Grasshopper (<i>Chorthippus biguttulus</i> Linnaeus, 1758). <i>Ethology</i> , 2006, 112, 1225-1230.	1.1	36
41	Integrating sex-specific habitat use for conservation using habitat suitability models. <i>Animal Conservation</i> , 2011, 14, 512-520.	2.9	35
42	Tracking Post-Hibernation Behavior and Early Migration Does Not Reveal the Expected Sex-Differences in a "Female-Migrating" Bat. <i>PLoS ONE</i> , 2014, 9, e114810.	2.5	35
43	Reassessing the Determinants of Breeding Synchrony in Ungulates. <i>PLoS ONE</i> , 2012, 7, e41444.	2.5	35
44	Tracking Diet Preferences of Bats Using Stable Isotope and Fatty Acid Signatures of Faeces. <i>PLoS ONE</i> , 2013, 8, e83452.	2.5	34
45	Does influenza A virus infection affect movement behaviour during stopover in its wild reservoir host?. <i>Royal Society Open Science</i> , 2016, 3, 150633.	2.4	33
46	The interplay of various sources of noise on reliability of species distribution models hinges on ecological specialisation. <i>PLoS ONE</i> , 2017, 12, e0187906.	2.5	33
47	Static landscape features predict uplift locations for soaring birds across Europe. <i>Royal Society Open Science</i> , 2019, 6, 181440.	2.4	33
48	The challenges of estimating the distribution of flight heights from telemetry or altimetry data. <i>Animal Biotelemetry</i> , 2020, 8, .	1.9	29
49	Efficacy of Migration Counts for Monitoring Continental Populations of Raptors: an Example Using the Osprey (<i>Pandion haliaetus</i>). <i>Auk</i> , 2010, 127, 863-870.	1.4	28
50	Raptor migration in an oceanic flyway: wind and geography shape the migratory route of grey-faced buzzards in East Asia. <i>Royal Society Open Science</i> , 2018, 5, 171555.	2.4	28
51	Habitat suitability does not capture the essence of animal-defined corridors. <i>Movement Ecology</i> , 2018, 6, 18.	2.8	28
52	A Comprehensive Model for the Quantitative Estimation of Seed Dispersal by Migratory Mallards. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	28
53	Risk of biodiversity collapse under climate change in the Afro-Arabian region. <i>Scientific Reports</i> , 2019, 9, 955.	3.3	25
54	The interplay of wind and uplift facilitates over-water flight in facultative soaring birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211603.	2.6	25

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55	Social Bats: The Males' Perspective. <i>Journal of Mammalogy</i> , 2008, 89, 1342-1350.	1.3	23
56	Similarity in spatial utilization distributions measured by the earth mover's distance. <i>Methods in Ecology and Evolution</i> , 2017, 8, 155-160.	5.2	22
57	Bats use topography and nocturnal updrafts to fly high and fast. <i>Current Biology</i> , 2021, 31, 1311-1316.e4.	3.9	22
58	Bivariate Gaussian bridges: directional factorization of diffusion in Brownian bridge models. <i>Movement Ecology</i> , 2014, 2, 5.	2.8	20
59	Modelling the three-dimensional space use of aquatic animals combining topography and Eulerian telemetry data. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1551-1557.	5.2	20
60	Dynamics of the energy seascape can explain intra-specific variations in sea-crossing behaviour of soaring birds. <i>Biology Letters</i> , 2020, 16, 20190797.	2.3	20
61	Linking animal movement and remote sensing " mapping resource suitability from a remote sensing perspective. <i>Remote Sensing in Ecology and Conservation</i> , 2018, 4, 211-224.	4.3	19
62	Certainty and integration of options in animal movement. <i>Trends in Ecology and Evolution</i> , 2021, 36, 990-999.	8.7	19
63	Fly with the flock: immersive solutions for animal movement visualization and analytics. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20180794.	3.4	18
64	Integrating animal movement with habitat suitability for estimating dynamic migratory connectivity. <i>Landscape Ecology</i> , 2018, 33, 879-893.	4.2	15
65	<sc>moveVis</sc>: Animating movement trajectories in synchronicity with static or temporally dynamic environmental data in <sc>r</sc>. <i>Methods in Ecology and Evolution</i> , 2020, 11, 664-669.	5.2	15
66	How Displaced Migratory Birds Could Use Volatile Atmospheric Compounds to Find Their Migratory Corridor: A Test Using a Particle Dispersion Model. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 175.	2.0	14
67	Flexibility of habitat use in novel environments: insights from a translocation experiment with lesser black-backed gulls. <i>Royal Society Open Science</i> , 2017, 4, 160164.	2.4	14
68	Activity and movement of free-living box turtles are largely independent of ambient and thermal conditions. <i>Movement Ecology</i> , 2018, 6, 12.	2.8	14
69	Acceleration Data Reveal Highly Individually Structured Energetic Landscapes in Free-Ranging Fishers (<i>Pekania pennanti</i>). <i>PLoS ONE</i> , 2016, 11, e0145732.	2.5	13
70	Predicting Migratory Corridors of White Storks, <i>Ciconia ciconia</i> , to Enhance Sustainable Wind Energy Planning: A Data-Driven Agent-Based Model. <i>Sustainability</i> , 2018, 10, 1470.	3.2	13
71	Arctic avian predators synchronise their spring migration with the northern progression of snowmelt. <i>Scientific Reports</i> , 2020, 10, 7220.	3.3	13
72	Overall Dynamic Body Acceleration in Straw-Colored Fruit Bats Increases in Headwinds but Not With Airspeed. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	12

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73	The impacts of extreme climate change on mammals differ among functional groups at regional scale: The case of Iranian terrestrial mammals. <i>Diversity and Distributions</i> , 2021, 27, 1634-1647.	4.1	12
74	Niche partitioning and individual specialization among age, breeding status and sex classes in a long-lived seabird. <i>Animal Behaviour</i> , 2020, 170, 1-14.	1.9	11
75	Behaviour-specific habitat selection patterns of breeding barn owls. <i>Movement Ecology</i> , 2021, 9, 18.	2.8	11
76	“An r package to bridge remote sensing and movement ecology. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1212-1221.	5.2	10
77	MATCHING MORPHOLOGY AND DIET IN THE DISC-WINGED BAT THYROPTERA TRICOLOR (CHIROPTERA). <i>Journal of Mammalogy</i> , 2006, 87, 1013-1019.	1.3	8
78	Temporal segmentation of animal trajectories informed by habitat use. <i>Ecosphere</i> , 2016, 7, e01498.	2.2	8
79	Allometry, evolution and development of neocortex size in mammals. <i>Progress in Brain Research</i> , 2019, 250, 83-107.	1.4	8
80	Classifying biogeographic realms of the endemic fauna in the Afro-Arabian region. <i>Ecology and Evolution</i> , 2020, 10, 8669-8680.	1.9	8
81	Network- and distance-based methods in bioregionalization processes at regional scale: An application to the terrestrial mammals of Iran. <i>Journal of Biogeography</i> , 2019, 46, 2433-2443.	3.0	7
82	Simulation experiment to test strategies of geomagnetic navigation during long-distance bird migration. <i>Movement Ecology</i> , 2021, 9, 46.	2.8	7
83	Home range size and habitat quality affect breeding success but not parental investment in barn owl males. <i>Scientific Reports</i> , 2022, 12, 6516.	3.3	7
84	MoveApps: a serverless no-code analysis platform for animal tracking data. <i>Movement Ecology</i> , 2022, 10, .	2.8	7
85	An Algorithm for Empirically Informed Random Trajectory Generation Between Two Endpoints. <i>International Conference on GIScience Short Paper Proceedings</i> , 2016, 1, .	0.0	6
86	From ecology to remote sensing: using animals to map land cover. <i>Remote Sensing in Ecology and Conservation</i> , 2020, 6, 93-104.	4.3	5
87	Wing tags severely impair movement in African Cape Vultures. <i>Animal Biotelemetry</i> , 2021, 9, .	1.9	4
88	Diet, behavior, and activity patterns. , 2021, , 207-239.		3
89	Sea-Crossing Along Migratory Flyways is More Strongly Limited by Wind than by Lack of Uplift. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
90	Simulating geomagnetic bird navigation using novel high-resolution geomagnetic data. <i>Ecological Informatics</i> , 2022, 69, 101689.	5.2	2

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91	Arctic Migratory Raptor Selects Nesting Area During the Previous Breeding Season. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	2.2	2
92	â€Eigenvector estimation of phylogenetic and functional diversityâ€™: from patterns to processes. <i>Functional Ecology</i> , 2011, 25, 745-746.	3.6	1
93	Metapopulation Capacity Meets Evolutionary Distinctness: Spatial Fragmentation Complements Phylogenetic Rarity in Prioritization. <i>Topics in Biodiversity and Conservation</i> , 2016, , 319-332.	1.0	1