

Gary F Mccracken

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

4,684
citations

109321

35
h-index

102487

66
g-index

75
all docs

75
docs citations

75
times ranked

4086
citing authors

#	ARTICLE	IF	CITATIONS
1	Economic Importance of Bats in Agriculture. <i>Science</i> , 2011, 332, 41-42.	12.6	599
2	Host Phylogeny Constrains Cross-Species Emergence and Establishment of Rabies Virus in Bats. <i>Science</i> , 2010, 329, 676-679.	12.6	407
3	Economic value of the pest control service provided by Brazilian free-tailed bats in south-central Texas. <i>Frontiers in Ecology and the Environment</i> , 2006, 4, 238-243.	4.0	290
4	Social organization and kinship in the polygynous bat <i>Phyllostomus hastatus</i> . <i>Behavioral Ecology and Sociobiology</i> , 1981, 8, 11-34.	1.4	249
5	Bats Track and Exploit Changes in Insect Pest Populations. <i>PLoS ONE</i> , 2012, 7, e43839.	2.5	143
6	Thermal Imaging Reveals Significantly Smaller Brazilian Free-Tailed Bat Colonies Than Previously Estimated. <i>Journal of Mammalogy</i> , 2008, 89, 18-24.	1.3	131
7	EFFECT OF HABITAT AND FORAGING HEIGHT ON BAT ACTIVITY IN THE COASTAL PLAIN OF SOUTH CAROLINA. <i>Journal of Wildlife Management</i> , 2005, 69, 235-245.	1.8	117
8	The functional roles of mammals in ecosystems. <i>Journal of Mammalogy</i> , 2019, 100, 942-964.	1.3	116
9	Vocal recognition in mexican free-tailed bats: do pups recognize mothers?. <i>Animal Behaviour</i> , 1992, 43, 79-87.	1.9	109
10	DIETARY VARIATION OF BRAZILIAN FREE-TAILED BATS LINKS TO MIGRATORY POPULATIONS OF PEST INSECTS. <i>Journal of Mammalogy</i> , 2005, 86, 67-76.	1.3	109
11	Individual variation in the isolation calls of Mexican free-tailed bat pups (<i>Tadarida brasiliensis</i>) Tj ETQq1 1 0.784314,rgBT /Overlock 10	1.5	107
12	Brazilian free-tailed bats (<i>Tadarida brasiliensis</i> : Molossidae, Chiroptera) at high altitude: links to migratory insect populations. <i>Integrative and Comparative Biology</i> , 2007, 48, 107-118.	2.0	100
13	Scent recognition between females and pups in the bat <i>Tadarida brasiliensis mexicana</i> . <i>Animal Behaviour</i> , 1987, 35, 13-19.	1.9	95
14	Rapid jamming avoidance in biosonar. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 651-660.	2.6	95
15	Variability in the echolocation of <i>Tadarida brasiliensis</i> : effects of geography and local acoustic environment. <i>Animal Behaviour</i> , 2007, 74, 277-286.	1.9	91
16	Aeroecology: probing and modeling the aerosphere. <i>Integrative and Comparative Biology</i> , 2007, 48, 1-11.	2.0	89
17	Convergence in tent architecture and tent-making behavior among neotropical and paleotropical bats. <i>Journal of Mammalian Evolution</i> , 1994, 2, 57-78.	1.8	88
18	BRAZILIAN FREE-TAILED BATS AS INSECT PEST REGULATORS IN TRANSGENIC AND CONVENTIONAL COTTON CROPS. <i>Ecological Applications</i> , 2008, 18, 826-837.	3.8	84

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19	How much is enough? Effects of technical and biological replication on metabarcoding dietary analysis. <i>Molecular Ecology</i> , 2019, 28, 165-175.	3.9	79
20	Plausible alternatives to bottlenecks to explain reduced genetic diversity. <i>Trends in Ecology and Evolution</i> , 1989, 4, 176-178.	8.7	73
21	Female dietary bias towards large migratory moths in the European free-tailed bat (<i>Tadarida</i>). <i>Trends in Ecology and Evolution</i> , 2014, 25, 107-114.	2.3	72
22	Roosting ecology and variation in adaptive and innate immune system function in the Brazilian free-tailed bat (<i>Tadarida brasiliensis</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 315-23.	1.5	71
23	Multiple paternity in wild populations of the garter snake, <i>Thamnophis sirtalis</i> . <i>Behavioral Ecology and Sociobiology</i> , 1989, 25, 269-273.	1.4	69
24	Conspecific influence call design in the Brazilian free-tailed bat, <i>Tadarida brasiliensis</i> . <i>Canadian Journal of Zoology</i> , 2004, 82, 966-971.	1.0	67
25	Airplane tracking documents the fastest flight speeds recorded for bats. <i>Royal Society Open Science</i> , 2016, 3, 160398.	2.4	54
26	Management of the Panzootic White-Nose Syndrome through Culling of Bats. <i>Conservation Biology</i> , 2011, 25, 189-194.	4.7	52
27	Market Forces and Technological Substitutes Cause Fluctuations in the Value of Bat Pest-Control Services for Cotton. <i>PLoS ONE</i> , 2014, 9, e87912.	2.5	50
28	Foraging activity and food resource use of Brazilian free-tailed bats, <i>Tadarida brasiliensis</i> (Molossidae). <i>Ecoscience</i> , 2002, 9, 306-313.	1.4	48
29	Ecology of Rabies Virus Exposure in Colonies of Brazilian Free-Tailed Bats (<i>Tadarida</i>). <i>Trends in Ecology and Evolution</i> , 2014, 25, 107-114.	1.5	47
30	Genetic divergence in the small Indian mongoose (<i>Herpestes auropunctatus</i>), a widely distributed invasive species. <i>Molecular Ecology</i> , 2006, 15, 3947-3956.	3.9	45
31	Moving across the border: modeling migratory bat populations. <i>Ecosphere</i> , 2013, 4, 1-16.	2.2	40
32	Weather-driven dynamics in a dual-migrant system: moths and bats. <i>Journal of Animal Ecology</i> , 2015, 84, 604-614.	2.8	40
33	Predator-prey interaction reveals local effects of high-altitude insect migration. <i>Oecologia</i> , 2018, 186, 49-58.	2.0	39
34	Bats aloft: variability in echolocation call structure at high altitudes. <i>Behavioral Ecology and Sociobiology</i> , 2009, 64, 69-79.	1.4	38
35	Molecular Detection of the Causative Agent of White-nose Syndrome on Rafinesque's Big-eared Bats (<i>Corynorhinus rafinesquii</i>) and Two Species of Migratory Bats in the Southeastern USA. <i>Journal of Wildlife Diseases</i> , 2015, 51, 519-522.	0.8	37
36	Crop pests eaten by bats in organic pecan orchards. <i>Crop Protection</i> , 2015, 67, 66-71.	2.1	37

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37	The Genetic Diversity of Native, Stocked, and Hybrid Populations of Brook Trout in the Southern Appalachians. <i>Conservation Biology</i> , 1996, 10, 1403-1412.	4.7	36
38	Histological assessment of cellular immune response to the phytohemagglutinin skin test in Brazilian free-tailed bats (<i>Tadarida brasiliensis</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 1155-1164.	1.5	35
39	Integrative models of bat rabies immunology, epizootiology and disease demography. <i>Journal of Theoretical Biology</i> , 2007, 245, 498-509.	1.7	34
40	Efficacy of Visual Surveys for White-Nose Syndrome at Bat Hibernacula. <i>PLoS ONE</i> , 2015, 10, e0133390.	2.5	34
41	Recent Advances in Bat Migration Research. , 2013, , 293-313.		33
42	Rapid range expansion of the Brazilian free-tailed bat in the southeastern United States, 2008–2016. <i>Journal of Mammalogy</i> , 2018, 99, 312-320.	1.3	33
43	Brazilian cave heritage under siege. <i>Science</i> , 2022, 375, 1238-1239.	12.6	32
44	Genetic analysis of populations of the threatened bat <i>Pteropus mariannus</i> . <i>Conservation Genetics</i> , 2011, 12, 933-941.	1.5	30
45	Combining DNA metabarcoding and ecological networks to inform conservation biocontrol by small vertebrate predators. <i>Ecological Applications</i> , 2021, 31, e02457.	3.8	30
46	The importance of natural habitats to Brazilian free-tailed bats in intensive agricultural landscapes in the Winter Garden region of Texas, United States. <i>Biological Conservation</i> , 2015, 190, 107-114.	4.1	27
47	Genetic Structure in Migratory and Nonmigratory Populations of Brazilian Free-Tailed Bats. <i>Journal of Mammalogy</i> , 1997, 78, 348-357.	1.3	26
48	Physiological and behavioral adaptations in bats living at high latitudes. <i>Physiology and Behavior</i> , 2016, 165, 322-327.	2.1	25
49	Echolocation behavior of Brazilian free-tailed bats during dense emergence flights. <i>Journal of Mammalogy</i> , 2010, 91, 967-975.	1.3	23
50	Disparities in second-generation DNA metabarcoding results exposed with accessible and repeatable workflows. <i>Molecular Ecology Resources</i> , 2018, 18, 590-601.	4.8	23
51	Bats use topography and nocturnal updrafts to fly high and fast. <i>Current Biology</i> , 2021, 31, 1311-1316.e4.	3.9	22
52	On Estimating the Economic Value of Insectivorous Bats: Prospects and Priorities for Biologists. , 2013, , 501-515.		21
53	Variation in Physiological Stress between Bridge- and Cave-Roosting Brazilian Free-Tailed Bats. <i>Conservation Biology</i> , 2010, 25, no-no.	4.7	20
54	Locational memory and female-pup reunions in Mexican free-tailed bat maternity colonies. <i>Animal Behaviour</i> , 1993, 45, 811-813.	1.9	19

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55	Adaptive modeling of viral diseases in bats with a focus on rabies. <i>Journal of Theoretical Biology</i> , 2008, 255, 69-80.	1.7	19
56	Population growth of Mexican free-tailed bats (<i>Tadarida brasiliensis mexicana</i>) predates human agricultural activity. <i>BMC Evolutionary Biology</i> , 2011, 11, 88.	3.2	19
57	Behavioural response of the Mexican free-tailed bat, <i>Tadarida brasiliensis mexicana</i> , to visible and infra-red light. <i>Animal Behaviour</i> , 1990, 39, 598-599.	1.9	18
58	Willingness to Pay for Conservation of Transborder Migratory Species: A Case Study of the Mexican Free-Tailed Bat in the United States and Mexico. <i>Environmental Management</i> , 2018, 62, 229-240.	2.7	18
59	Rodrigues fruit bats (<i>Pteropus rodricensis</i> , Megachiroptera: Pteropodidae) retain genetic diversity despite population declines and founder events. <i>Conservation Genetics</i> , 2007, 8, 1073-1082.	1.5	17
60	Optimizing conservation strategies for Mexican free-tailed bats: a population viability and ecosystem services approach. <i>Biodiversity and Conservation</i> , 2015, 24, 63-82.	2.6	17
61	Feasting, not fasting: winter diets of cave hibernating bats in the United States. <i>Frontiers in Zoology</i> , 2021, 18, 48.	2.0	14
62	Quantitative tools for implementing the new definition of significant portion of the range in the U.S. Endangered Species Act. <i>Conservation Biology</i> , 2018, 32, 35-49.	4.7	11
63	Response to Vaccination with a Commercial Inactivated Rabies Vaccine in a Captive Colony of Brazilian Free-Tailed Bats (<i>Tadarida brasiliensis</i>). <i>Journal of Zoo and Wildlife Medicine</i> , 2010, 41, 140-143.	0.6	10
64	Sexual dichromatism and condition-dependence in the skin of a bat. <i>Journal of Mammalogy</i> , 2019, 100, 299-307.	1.3	9
65	Comparative Phylogeography of <i>Pteropus samoensis</i> and <i>P. tonganus</i> (Pteropodidae: Chiroptera) in the South Pacific. <i>Acta Chiropterologica</i> , 2016, 18, 325.	0.6	8
66	Dense and sparse aggregations in complex motion: Video coupled with simulation modeling. <i>Ecological Complexity</i> , 2010, 7, 69-75.	2.9	7
67	RABIES SURVEILLANCE AMONG BATS IN TENNESSEE, USA, 1996-2010. <i>Journal of Wildlife Diseases</i> , 2015, 51, 821-832.	0.8	6
68	Genetic structure of winter populations of the endangered Indiana bat (<i>Myotis sodalis</i>) prior to the white nose syndrome epidemic: implications for the risk of disease spread. <i>Conservation Genetics</i> , 2016, 17, 1025-1040.	1.5	6
69	Sympatric Bat Species Prey Opportunistically on a Major Moth Pest of Pecans. <i>Sustainability</i> , 2019, 11, 6365.	3.2	6
70	SAFETY, IMMUNOGENICITY, AND EFFICACY OF INTRAMUSCULAR AND ORAL DELIVERY OF ERA-G333 RECOMBINANT RABIES VIRUS VACCINE TO BIG BROWN BATS (<i>Eptesicus fuscus</i>). <i>Journal of Wildlife Diseases</i> , 2020, 56, 620.	0.8	6
71	Improving spatio-temporal benefit transfers for pest control by generalist predators in cotton in the southwestern US. <i>International Journal of Biodiversity Science, Ecosystem Services & Management</i> , 2017, 13, 27-39.	2.9	5
72	Virtual Bats and Real Insects: Effects of Echolocation on Pheromone-Tracking Behavior of Male Corn Earworm Moths, <i>Helicoverpa zea</i> . <i>Southwestern Naturalist</i> , 2011, 56, 103-107.	0.1	4

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73	Bat population dynamics: multilevel model based on individuals' energetics. <i>Mathematical Biosciences and Engineering</i> , 2008, 5, 743-756.	1.9	4
74	Concerns About Extrapolating Right Off the Bat's Response. <i>Science</i> , 2011, 333, 287-288.	12.6	0
75	Thomas H. Kunz. <i>Physiological and Biochemical Zoology</i> , 2021, 94, 253-267.	1.5	0