

# Evan H. Campbell Grant

## List of Publications by Year in descending order

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Version: 2024-02-01

95  
papers

4,983  
citations

117571

34  
h-index

102432

66  
g-index

99  
all docs

99  
docs citations

99  
times ranked

5739  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying climate-resistant vernal pools: Hydrologic refugia for amphibian reproduction under droughts and climate change. <i>Ecohydrology</i> , 2022, 15, e2354.	1.1	10
2	Site- and individual-level contamination affects infection prevalence of an emerging infectious disease of amphibians. <i>Environmental Toxicology and Chemistry</i> , 2022, , .	2.2	1
3	Geographic variation and thermal plasticity shape salamander metabolic rates under current and future climates. <i>Ecology and Evolution</i> , 2022, 12, e8433.	0.8	1
4	Evaluating the effect of expert elicitation techniques on population status assessment in the face of large uncertainty. <i>Journal of Environmental Management</i> , 2022, 306, 114453.	3.8	4
5	Looking ahead, guided by the past: The role of U.S. national parks in amphibian research and conservation. <i>Ecological Indicators</i> , 2022, 136, 108631.	2.6	9
6	A comparison of monitoring designs to assess wildlife community parameters across spatial scales. <i>Ecological Applications</i> , 2022, , e2621.	1.8	2
7	Ignoring species availability biases occupancy estimates in single-scale occupancy models. <i>Methods in Ecology and Evolution</i> , 2022, 13, 1790-1804.	2.2	1
8	Diverse aging rates in ectothermic tetrapods provide insights for the evolution of aging and longevity. <i>Science</i> , 2022, 376, 1459-1466.	6.0	34
9	Risks posed by SARS-CoV-2 to North American bats during winter fieldwork. <i>Conservation Science and Practice</i> , 2021, 3, e410.	0.9	12
10	Accommodating the role of site memory in dynamic species distribution models. <i>Ecology</i> , 2021, 102, e03315.	1.5	2
11	Rapid Assessment Indicates Context-Dependent Mitigation for Amphibian Disease Risk. <i>Wildlife Society Bulletin</i> , 2021, 45, 290-299.	0.4	2
12	Experimental evaluation of spatial capture-recapture study design. <i>Ecological Applications</i> , 2021, 31, e02419.	1.8	9
13	Successful molecular detection studies require clear communication among diverse research partners. <i>Frontiers in Ecology and the Environment</i> , 2020, 18, 43-51.	1.9	17
14	A latent process model approach to improve the utility of indicator species. <i>Oikos</i> , 2020, 129, 1753-1762.	1.2	5
15	Moving from decision to action in conservation science. <i>Biological Conservation</i> , 2020, 249, 108698.	1.9	20
16	Principles and Mechanisms of Wildlife Population Persistence in the Face of Disease. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	16
17	<i>Batrachochytrium salamandrivorans</i> (Bsal) not detected in an intensive survey of wild North American amphibians. <i>Scientific Reports</i> , 2020, 10, 13012.	1.6	36
18	Identifying research needs to inform white-nose syndrome management decisions. <i>Conservation Science and Practice</i> , 2020, 2, e220.	0.9	21

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19	A National-Scale Assessment of Mercury Bioaccumulation in United States National Parks Using Dragonfly Larvae As Biosentinels through a Citizen-Science Framework. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8779-8790.	4.6	27
20	A hierarchical analysis of habitat area, connectivity, and quality on amphibian diversity across spatial scales. <i>Landscape Ecology</i> , 2020, 35, 529-544.	1.9	16
21	A Synthesis of Evidence of Drivers of Amphibian Declines. <i>Herpetologica</i> , 2020, 76, 101.	0.2	64
22	Factors Facilitating Co-occurrence at the Range Boundary of Shenandoah and Red-Backed Salamanders. <i>Journal of Herpetology</i> , 2020, 54, 125.	0.2	2
23	Different management strategies are optimal for combating disease in East Texas cave versus culvert hibernating bat populations. <i>Conservation Science and Practice</i> , 2019, 1, e106.	0.9	12
24	Proactive management of amphibians: Challenges and opportunities. <i>Biological Conservation</i> , 2019, 236, 404-410.	1.9	22
25	Identifying Common Decision Problem Elements for the Management of Emerging Fungal Diseases of Wildlife. <i>Society and Natural Resources</i> , 2019, 32, 1040-1055.	0.9	16
26	A three-pipe problem: dealing with complexity to halt amphibian declines. <i>Biological Conservation</i> , 2019, 236, 107-114.	1.9	22
27	Managing the trifecta of disease, climate, and contaminants: Searching for robust choices under multiple sources of uncertainty. <i>Biological Conservation</i> , 2019, 236, 153-161.	1.9	9
28	Overview of emerging amphibian pathogens and modeling advances for conservation-related decisions. <i>Biological Conservation</i> , 2019, 236, 474-483.	1.9	12
29	North-facing slopes and elevation shape asymmetric genetic structure in the range-restricted salamander <i>Plethodon shenandoah</i> . <i>Ecology and Evolution</i> , 2019, 9, 5094-5105.	0.8	9
30	Disease-structured N-mixture models: A practical guide to model disease dynamics using count data. <i>Ecology and Evolution</i> , 2019, 9, 899-909.	0.8	18
31	Functional variation at an expressed MHC class II <sup>b</sup> locus associates with Ranavirus infection intensity in larval anuran populations. <i>Immunogenetics</i> , 2019, 71, 335-346.	1.2	16
32	ESTIMATING OCCURRENCE, PREVALENCE, AND DETECTION OF AMPHIBIAN PATHOGENS: INSIGHTS FROM OCCUPANCY MODELS. <i>Journal of Wildlife Diseases</i> , 2019, 55, 563.	0.3	12
33	The contribution of road-based citizen science to the conservation of pond-breeding amphibians. <i>Journal of Applied Ecology</i> , 2019, 56, 988-995.	1.9	21
34	Linking variability in climate to wetland habitat suitability: is it possible to forecast regional responses from simple climate measures?. <i>Wetlands Ecology and Management</i> , 2019, 27, 39-53.	0.7	10
35	Two-species occupancy modelling accounting for species misidentification and non-detection. <i>Methods in Ecology and Evolution</i> , 2018, 9, 1468-1477.	2.2	15
36	Decision-making for mitigating wildlife diseases: From theory to practice for an emerging fungal pathogen of amphibians. <i>Journal of Applied Ecology</i> , 2018, 55, 1987-1996.	1.9	49

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37	Effects of host species and environment on the skin microbiome of Plethodontid salamanders. <i>Journal of Animal Ecology</i> , 2018, 87, 341-353.	1.3	120
38	Imperfect pathogen detection from non-invasive skin swabs biases disease inference. <i>Methods in Ecology and Evolution</i> , 2018, 9, 380-389.	2.2	37
39	Range position and climate sensitivity: The structure of among-population demographic responses to climatic variation. <i>Global Change Biology</i> , 2018, 24, 439-454.	4.2	43
40	Identifying management-relevant research priorities for responding to disease-associated amphibian declines. <i>Global Ecology and Conservation</i> , 2018, 16, e00441.	1.0	11
41	Eco-evolutionary rescue promotes host-pathogen coexistence. <i>Ecological Applications</i> , 2018, 28, 1948-1962.	1.8	28
42	Evidence that climate sets the lower elevation range limit in a high-elevation endemic salamander. <i>Ecology and Evolution</i> , 2018, 8, 7553-7562.	0.8	20
43	Quantifying climate sensitivity and climate-driven change in North American amphibian communities. <i>Nature Communications</i> , 2018, 9, 3926.	5.8	79
44	Prepublication Communication of Research Results. <i>EcoHealth</i> , 2018, 15, 478-481.	0.9	8
45	Antifungal Bacteria on Woodland Salamander Skin Exhibit High Taxonomic Diversity and Geographic Variability. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	36
46	Climate-Mediated Competition in a High-Elevation Salamander Community. <i>Journal of Herpetology</i> , 2017, 51, 190-196.	0.2	11
47	Using decision analysis to support proactive management of emerging infectious wildlife diseases. <i>Frontiers in Ecology and the Environment</i> , 2017, 15, 214-221.	1.9	69
48	Evolutionary dynamics of an expressed MHC class II <sup>b</sup> locus in the Ranidae (Anura) uncovered by genome walking and high-throughput amplicon sequencing. <i>Developmental and Comparative Immunology</i> , 2017, 76, 177-188.	1.0	10
49	Integrating count and detection-nondetection data to model population dynamics. <i>Ecology</i> , 2017, 98, 1640-1650.	1.5	54
50	Detecting spatial ontogenetic niche shifts in complex dendritic ecological networks. <i>Ecosphere</i> , 2017, 8, e01662.	1.0	5
51	Design tradeoffs in long-term research for stream salamanders. <i>Journal of Wildlife Management</i> , 2017, 81, 1430-1438.	0.7	1
52	A Framework for Modeling Emerging Diseases to Inform Management. <i>Emerging Infectious Diseases</i> , 2017, 23, 1-6.	2.0	47
53	Evaluating within-population variability in behavior and demography for the adaptive potential of a dispersal-limited species to climate change. <i>Ecology and Evolution</i> , 2016, 6, 8740-8755.	0.8	30
54	Using Spatial Capture-Recapture to Elucidate Population Processes and Space-Use in Herpetological Studies. <i>Journal of Herpetology</i> , 2016, 50, 570-581.	0.2	28

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55	Uncertainty in biological monitoring: a framework for data collection and analysis to account for multiple sources of sampling bias. <i>Methods in Ecology and Evolution</i> , 2016, 7, 900-909.	2.2	53
56	Quantitative evidence for the effects of multiple drivers on continental-scale amphibian declines. <i>Scientific Reports</i> , 2016, 6, 25625.	1.6	196
57	Spatial variation in risk and consequence of <i>Batrachochytrium salamandrivorans</i> introduction in the USA. <i>Royal Society Open Science</i> , 2016, 3, 150616.	1.1	64
58	Spatial Capture-Recapture: A Promising Method for Analyzing Data Collected Using Artificial Cover Objects. <i>Herpetologica</i> , 2016, 72, 6.	0.2	37
59	Unifying research on the fragmentation of terrestrial and aquatic habitats: patches, connectivity and the matrix in riverscapes. <i>Freshwater Biology</i> , 2015, 60, 1487-1501.	1.2	62
60	Estimating occupancy dynamics for large-scale monitoring networks: amphibian breeding occupancy across protected areas in the northeast United States. <i>Ecology and Evolution</i> , 2015, 5, 4735-4746.	0.8	28
61	Please don't misuse the museum: "declines" may be statistical. <i>Global Change Biology</i> , 2015, 21, 1018-1024.	4.2	25
62	Performance of species occurrence estimators when basic assumptions are not met: a test using field data where true occupancy status is known. <i>Methods in Ecology and Evolution</i> , 2015, 6, 557-565.	2.2	57
63	Inferences about population dynamics from count data using multistate models: a comparison to capture-recapture approaches. <i>Ecology and Evolution</i> , 2014, 4, 417-426.	0.8	30
64	Modeling structured population dynamics using data from unmarked individuals. <i>Ecology</i> , 2014, 95, 22-29.	1.5	80
65	Potential reduction in terrestrial salamander ranges associated with Marcellus shale development. <i>Biological Conservation</i> , 2014, 180, 233-240.	1.9	10
66	Stream-Water Temperature Limits Occupancy of Salamanders in Mid-Atlantic Protected Areas. <i>Journal of Herpetology</i> , 2014, 48, 45-50.	0.2	12
67	Evaluating breeding and metamorph occupancy and vernal pool management effects for wood frogs using a hierarchical model. <i>Journal of Applied Ecology</i> , 2013, 50, 1116-1123.	1.9	33
68	A Strategy for Monitoring and Managing Declines in an Amphibian Community. <i>Conservation Biology</i> , 2013, 27, 1245-1253.	2.4	26
69	Presence-only modelling using <i>MAXENT</i> : when can we trust the inferences?. <i>Methods in Ecology and Evolution</i> , 2013, 4, 236-243.	2.2	537
70	Relaxing the closure assumption in occupancy models: staggered arrival and departure times. <i>Ecology</i> , 2013, 94, 610-617.	1.5	56
71	Trends in Amphibian Occupancy in the United States. <i>PLoS ONE</i> , 2013, 8, e64347.	1.1	129
72	Estimating patterns and drivers of infection prevalence and intensity when detection is imperfect and sampling error occurs. <i>Methods in Ecology and Evolution</i> , 2012, 3, 850-859.	2.2	60

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73	Experimental investigation of false positive errors in auditory species occurrence surveys. <i>Ecological Applications</i> , 2012, 22, 1665-1674.	1.8	78
74	Interbasin Water Transfer, Riverine Connectivity, and Spatial Controls on Fish Biodiversity. <i>PLoS ONE</i> , 2012, 7, e34170.	1.1	68
75	Evaluating the predictive abilities of community occupancy models using AUC while accounting for imperfect detection. <i>Ecological Applications</i> , 2012, 22, 1962-1972.	1.8	107
76	How restructuring river connectivity changes freshwater fish biodiversity and biogeography. <i>Water Resources Research</i> , 2011, 47, .	1.7	40
77	Structural complexity, movement bias, and metapopulation extinction risk in dendritic ecological networks. <i>Journal of the North American Benthological Society</i> , 2011, 30, 252-258.	3.0	67
78	Landscape matrix mediates occupancy dynamics of Neotropical avian insectivores. , 2011, 21, 1837-1850.		56
79	Improving occupancy estimation when two types of observational error occur: non-detection and species misidentification. <i>Ecology</i> , 2011, 92, 1422-1428.	1.5	305
80	Metacommunity theory as a multispecies, multiscale framework for studying the influence of river network structure on riverine communities and ecosystems. <i>Journal of the North American Benthological Society</i> , 2011, 30, 310-327.	3.0	191
81	Organized Oral Session 16. Linking Data and Theory in Dendritic Ecological Networks: from Ecological Problems to Rapid Understanding. <i>Bulletin of the Ecological Society of America</i> , 2010, 91, 65-67.	0.2	0
82	Use of multiple dispersal pathways facilitates amphibian persistence in stream networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6936-6940.	3.3	149
83	Low Prevalence of Chytrid Fungus ( <i>Batrachochytrium dendrobatidis</i> ) in Amphibians of U.S. Headwater Streams. <i>Journal of Herpetology</i> , 2010, 44, 253-260.	0.2	28
84	Salamander occupancy in headwater stream networks. <i>Freshwater Biology</i> , 2009, 54, 1370-1378.	1.2	39
85	Monitoring multiple species: Estimating state variables and exploring the efficacy of a monitoring program. <i>Biological Conservation</i> , 2009, 142, 720-737.	1.9	36
86	Methods for estimating the amount of vernal pool habitat in the northeastern United States. <i>Wetlands</i> , 2008, 28, 585-593.	0.7	28
87	Multi-scale occupancy estimation and modelling using multiple detection methods. <i>Journal of Applied Ecology</i> , 2008, 45, 1321-1329.	1.9	306
88	Visual Implant Elastomer Mark Retention Through Metamorphosis in Amphibian Larvae. <i>Journal of Wildlife Management</i> , 2008, 72, 1247-1252.	0.7	50
89	Prevalence of the amphibian pathogen <i>Batrachochytrium dendrobatidis</i> in stream and wetland amphibians in Maryland, USA. <i>Applied Herpetology</i> , 2008, 5, 233-241.	0.5	14
90	Living in the branches: population dynamics and ecological processes in dendritic networks. <i>Ecology Letters</i> , 2007, 10, 165-175.	3.0	566

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91	Correlates of vernal pool occurrence in the Massachusetts, USA landscape. <i>Wetlands</i> , 2005, 25, 480-487.	0.7	24
92	Double-observer approach to estimating egg mass abundance of pool-breeding amphibians. <i>Wetlands Ecology and Management</i> , 2005, 13, 305-320.	0.7	43
93	Stream Salamander Species Richness and Abundance in Relation to Environmental Factors in Shenandoah National Park, Virginia. <i>American Midland Naturalist</i> , 2005, 153, 348-356.	0.2	13
94	Evaluating the risk of SARS-CoV-2 transmission to bats in the context of wildlife research, rehabilitation, and control. <i>Wildlife Society Bulletin</i> , 0, , .	0.4	1
95	Speciation with gene flow in a narrow endemic West Virginia cave salamander ( <i>Gyrinophilus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF	0.8	2