

Charles B Yackulic

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

3,850
citations

172386

29
h-index

133188

59
g-index

80
all docs

80
docs citations

80
times ranked

4677
citing authors

#	ARTICLE	IF	CITATIONS
1	Presence-only modelling using <scp>MAXENT</scp>: when can we trust the inferences?. <i>Methods in Ecology and Evolution</i> , 2013, 4, 236-243.	2.2	537
2	Likelihood analysis of species occurrence probability from presence-only data for modelling species distributions. <i>Methods in Ecology and Evolution</i> , 2012, 3, 545-554.	2.2	349
3	Influence of land use on water quality in a tropical landscape: a multi-scale analysis. <i>Landscape Ecology</i> , 2011, 26, 1151-1164.	1.9	173
4	Flow Management for Hydropower Extirpates Aquatic Insects, Undermining River Food Webs. <i>BioScience</i> , 2016, 66, 561-575.	2.2	150
5	Organization of suprachiasmatic nucleus projections in Syrian hamsters (<i>Mesocricetus auratus</i>): An anterograde and retrograde analysis. <i>Journal of Comparative Neurology</i> , 2004, 468, 361-379.	0.9	131
6	The effects of habitat, climate, and Barred Owls on long-term demography of Northern Spotted Owls. <i>Condor</i> , 2016, 118, 57-116.	0.7	126
7	Overcoming Equifinality: Leveraging Long Time Series for Stream Metabolism Estimation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 624-645.	1.3	126
8	Turbidity, light, temperature, and hydropeaking control primary productivity in the Colorado River, Grand Canyon. <i>Limnology and Oceanography</i> , 2015, 60, 512-526.	1.6	118
9	Isolation by environmental distance in mobile marine species: molecular ecology of franciscana dolphins at their southern range. <i>Molecular Ecology</i> , 2010, 19, 2212-2228.	2.0	111
10	Is your ad hoc model selection strategy affecting your multimodel inference?. <i>Ecosphere</i> , 2020, 11, e02997.	1.0	108
11	Anthropogenic and environmental drivers of modern range loss in large mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4024-4029.	3.3	103
12	To predict the niche, model colonization and extinction. <i>Ecology</i> , 2015, 96, 16-23.	1.5	102
13	The roles of competition and habitat in the dynamics of populations and species distributions. <i>Ecology</i> , 2014, 95, 265-279.	1.5	101
14	Seed dispersal by Galápagos tortoises. <i>Journal of Biogeography</i> , 2012, 39, 1961-1972.	1.4	89
15	Neighborhood and habitat effects on vital rates: expansion of the Barred Owl in the Oregon Coast Ranges. <i>Ecology</i> , 2012, 93, 1953-1966.	1.5	72
16	Demographic response of northern spotted owls to barred owl removal. <i>Journal of Wildlife Management</i> , 2016, 80, 691-707.	0.7	72
17	Vegetation dynamics drive segregation by body size in Galapagos tortoises migrating across altitudinal gradients. <i>Journal of Animal Ecology</i> , 2013, 82, 310-321.	1.3	71
18	Expansion of sugarcane production in São Paulo, Brazil: Implications for fire occurrence and respiratory health. <i>Agriculture, Ecosystems and Environment</i> , 2009, 132, 48-56.	2.5	67

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19	The metabolic regimes of 356 rivers in the United States. <i>Scientific Data</i> , 2018, 5, 180292.	2.4	65
20	Light and flow regimes regulate the metabolism of rivers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	62
21	A quantitative life history of endangered humpback chub that spawn in the Colorado River: variation in movement, growth, and survival. <i>Ecology and Evolution</i> , 2014, 4, 1006-1018.	0.8	56
22	Climatic variation and tortoise survival: Has a desert species met its match?. <i>Biological Conservation</i> , 2014, 169, 214-224.	1.9	56
23	Integrating count and detection–nondetection data to model population dynamics. <i>Ecology</i> , 2017, 98, 1640-1650.	1.5	54
24	Flexible characterization of animal movement pattern using net squared displacement and a latent state model. <i>Movement Ecology</i> , 2016, 4, 15.	1.3	48
25	The relation between invertebrate drift and two primary controls, discharge and benthic densities, in a large regulated river. <i>Freshwater Biology</i> , 2014, 59, 557-572.	1.2	46
26	Dynamic occupancy models: estimating demographic rates and local abundance from detection–nondetection data. <i>Ecology</i> , 2016, 97, 3300-3307.	1.5	42
27	The Dominance of Introduced Plant Species in the Diets of Migratory Galapagos Tortoises Increases with Elevation on a Human–Occupied Island. <i>Biotropica</i> , 2015, 47, 246-258.	0.8	41
28	Water storage decisions will determine the distribution and persistence of imperiled river fishes. <i>Ecological Applications</i> , 2021, 31, e02279.	1.8	38
29	A need for speed in Bayesian population models: a practical guide to marginalizing and recovering discrete latent states. <i>Ecological Applications</i> , 2020, 30, e02112.	1.8	37
30	Animal movement in the absence of predation: environmental drivers of movement strategies in a partial migration system. <i>Oikos</i> , 2017, 126, 1004-1019.	1.2	31
31	Inferring species interactions through joint mark–recapture analysis. <i>Ecology</i> , 2018, 99, 812-821.	1.5	31
32	Competitive exclusion over broad spatial extents is a slow process: evidence and implications for species distribution modeling. <i>Ecography</i> , 2017, 40, 305-313.	2.1	30
33	Flow management and fish density regulate salmonid recruitment and adult size in tailwaters across western North America. <i>Ecological Applications</i> , 2015, 25, 2168-2179.	1.8	29
34	Range-wide declines of northern spotted owl populations in the Pacific Northwest: A meta-analysis. <i>Biological Conservation</i> , 2021, 259, 109168.	1.9	28
35	The past and future roles of competition and habitat in the range-wide occupancy dynamics of Northern Spotted Owls. <i>Ecological Applications</i> , 2019, 29, e01861.	1.8	27
36	Benefits of the destinations, not costs of the journeys, shape partial migration patterns. <i>Journal of Animal Ecology</i> , 2017, 86, 972-982.	1.3	26

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37	Changes in prey, turbidity, and competition reduce somatic growth and cause the collapse of a fish population. <i>Ecological Monographs</i> , 2021, 91, .	2.4	26
38	Prey size and availability limits maximum size of rainbow trout in a large tailwater: insights from a drift-foraging bioenergetics model. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016, 73, 759-772.	0.7	25
39	Migration triggers in a large herbivore: Galápagos giant tortoises navigating resource gradients on volcanoes. <i>Ecology</i> , 2019, 100, e02658.	1.5	25
40	Not putting all their eggs in one basket: bet-hedging despite extraordinary annual reproductive output of desert tortoises. <i>Biological Journal of the Linnean Society</i> , 2015, 115, 399-410.	0.7	24
41	Invader removal triggers competitive release in a threatened avian predator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	24
42	One size does not fit all: flexible models are required to understand animal movement across scales. <i>Journal of Animal Ecology</i> , 2011, 80, 1088-1096.	1.3	23
43	Thinking like a consumer: Linking aquatic basal metabolism and consumer dynamics. <i>Limnology and Oceanography Letters</i> , 2021, 6, 1-17.	1.6	23
44	Factors controlling the abundance of rainbow trout in the Colorado River in Grand Canyon in a reach utilized by endangered humpback chub. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016, 73, 105-124.	0.7	22
45	The scaling of geographic ranges: implications for species distribution models. <i>Landscape Ecology</i> , 2016, 31, 1195-1208.	1.9	21
46	Quantifying the demographic vulnerabilities of dry woodlands to climate and competition using rangewide monitoring data. <i>Ecology</i> , 2021, 102, e03425.	1.5	20
47	Ecosystem implications of conserving endemic versus eradicating introduced large herbivores in the Galapagos Archipelago. <i>Biological Conservation</i> , 2017, 209, 1-10.	1.9	18
48	Remarkable response of native fishes to invasive trout suppression varies with trout density, temperature, and annual hydrology. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 1446-1462.	0.7	18
49	The effects of drought and fire in the extirpation of an abundant semi-aquatic turtle from a lacustrine environment in the southwestern USA. <i>Knowledge and Management of Aquatic Ecosystems</i> , 2017, , 18.	0.5	16
50	Incorporating social-ecological considerations into basin-wide responses to climate change in the Colorado River Basin. <i>Current Opinion in Environmental Sustainability</i> , 2019, 37, 14-19.	3.1	16
51	The evolution of different maternal investment strategies in two closely related desert vertebrates. <i>Ecology and Evolution</i> , 2017, 7, 3177-3189.	0.8	15
52	Using interviews and biological sign surveys to infer seasonal use of forested and agricultural portions of a human-dominated landscape by Asian elephants in Nepal. <i>Ethology Ecology and Evolution</i> , 2018, 30, 331-347.	0.6	14
53	Water Temperature Controls for Regulated Canyon-Bound Rivers. <i>Water Resources Research</i> , 2020, 56, e2020WR027566.	1.7	13
54	Calcite precipitation in Lake Powell reduces alkalinity and total salt loading to the Lower Colorado River Basin. <i>Limnology and Oceanography</i> , 2020, 65, 1439-1455.	1.6	12

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55	Water Storage Decisions and Consumptive Use May Constrain Ecosystem Management under Severe Sustained Drought. <i>Journal of the American Water Resources Association</i> , 2022, 58, 654-672.	1.0	12
56	Latitudinal gradients in North American avian species richness, turnover rates and extinction probabilities. <i>Ecography</i> , 2014, 37, 626-636.	2.1	10
57	Identifying cost-effective invasive species control to enhance endangered species populations in the Grand Canyon, USA. <i>Biological Conservation</i> , 2018, 220, 12-20.	1.9	10
58	Allometric and temporal scaling of movement characteristics in Galapagos tortoises. <i>Journal of Animal Ecology</i> , 2016, 85, 1171-1181.	1.3	9
59	Taxonomic and Compositional Differences of Ground-Dwelling Arthropods in Riparian Habitats in Glen Canyon, Arizona, USA. <i>Western North American Naturalist</i> , 2017, 77, 369-384.	0.2	9
60	Safety in Numbers: Cost-effective Endangered Species Management for Viable Populations. <i>Land Economics</i> , 2019, 95, 435-453.	0.5	9
61	Temporal variation in foraging activity and efficiency and the role of hitchhiking behaviour in the leaf-cutting ant, <i>Atta cephalotes</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2007, 125, 125-134.	0.7	8
62	Assessing the population impacts and cost-effectiveness of a conservation translocation. <i>Journal of Applied Ecology</i> , 2021, 58, 1602-1612.	1.9	8
63	Hydrologic and geomorphic effects on riparian plant species occurrence and encroachment: Remote sensing of 360 km of the Colorado River in Grand Canyon. <i>Ecohydrology</i> , 2021, 14, e2344.	1.1	8
64	Protection from UV Radiation in the Economic Crop, <i>Opuntia</i> Spp. <i>Economic Botany</i> , 2004, 58, S88-S100.	0.8	5
65	Does Bioelectrical Impedance Analysis Accurately Estimate the Physiological Condition of Threatened and Endangered Desert Fish Species?. <i>Transactions of the American Fisheries Society</i> , 2017, 146, 888-902.	0.6	5
66	Spatial distribution of estuarine diamond-backed terrapins (<i>Malaclemys terrapin</i>) and risk analysis from commercial blue crab (<i>Callinectes sapidus</i>) trapping at the Savannah Coastal Refuges Complex, USA. <i>Ocean and Coastal Management</i> , 2018, 157, 160-167.	2.0	5
67	Movement ecology. , 2021, , 261-279.		5
68	As the prey thickens: rainbow trout select prey based upon width not length. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 809-819.	0.7	5
69	Warm water temperatures and shifts in seasonality increase trout recruitment but only moderately decrease adult size in western North American tailwaters. <i>Environmental Biology of Fishes</i> , 2018, 101, 1269-1283.	0.4	4
70	A greener future for the Galapagos: forecasting ecosystem productivity by finding climate analogs in time. <i>Ecosphere</i> , 2021, 12, .	1.0	4
71	Brackish Tidal Marsh Management and the Ecology of a Declining Freshwater Turtle. <i>Environmental Management</i> , 2020, 66, 644-653.	1.2	3
72	Net-spinning caddisfly distribution in large regulated rivers. <i>Freshwater Biology</i> , 2021, 66, 89-101.	1.2	3

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73	Nonlinear relationships can lead to bias in biomass calculations and drift-foraging models when using summaries of invertebrate drift data. <i>Environmental Biology of Fishes</i> , 2016, 99, 659-670.	0.4	2
74	Incorporating antenna detections into abundance estimates of fish. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2022, 79, 436-447.	0.7	0
75	Controls on Somatic Growth and Population Dynamics of Rainbow Trout. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01810.	0.2	0