

Robert P Anderson

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

32,333
citations

159585

30
h-index

175258

52
g-index

59
all docs

59
docs citations

59
times ranked

21382
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximum entropy modeling of species geographic distributions. <i>Ecological Modelling</i> , 2006, 190, 231-259.	2.5	12,411
2	Novel methods improve prediction of speciesâ€™ distributions from occurrence data. <i>Ecography</i> , 2006, 29, 129-151.	4.5	6,691
3	Opening the black box: an openâ€™source release of Maxent. <i>Ecography</i> , 2017, 40, 887-893.	4.5	1,547
4	<scp>ENM</scp>eval: An R package for conducting spatially independent evaluations and estimating optimal model complexity for <scp>Maxent</scp> ecological niche models. <i>Methods in Ecology and Evolution</i> , 2014, 5, 1198-1205.	5.2	1,277
5	spThin: an R package for spatial thinning of species occurrence records for use in ecological niche models. <i>Ecography</i> , 2015, 38, 541-545.	4.5	1,177
6	Making better M<scp>axent</scp> models of species distributions: complexity, overfitting and evaluation. <i>Journal of Biogeography</i> , 2014, 41, 629-643.	3.0	1,085
7	Evaluating predictive models of speciesâ€™ distributions: criteria for selecting optimal models. <i>Ecological Modelling</i> , 2003, 162, 211-232.	2.5	966
8	Spatial filtering to reduce sampling bias can improve the performance of ecological niche models. <i>Ecological Modelling</i> , 2014, 275, 73-77.	2.5	892
9	Standards for distribution models in biodiversity assessments. <i>Science Advances</i> , 2019, 5, eaat4858.	10.3	605
10	The effect of the extent of the study region on GIS models of species geographic distributions and estimates of niche evolution: preliminary tests with montane rodents (genus <i>Nephelomys</i>) in Venezuela. <i>Journal of Biogeography</i> , 2010, 37, 1378-1393.	3.0	455
11	Species-specific tuning increases robustness to sampling bias in models of species distributions: An implementation with Maxent. <i>Ecological Modelling</i> , 2011, 222, 2796-2811.	2.5	413
12	Estimating optimal complexity for ecological niche models: A jackknife approach for species with small sample sizes. <i>Ecological Modelling</i> , 2013, 269, 9-17.	2.5	406
13	Geographical distributions of spiny pocket mice in South America: insights from predictive models. <i>Global Ecology and Biogeography</i> , 2002, 11, 131-141.	5.8	280
14	Using niche-based GIS modeling to test geographic predictions of competitive exclusion and competitive release in South American pocket mice. <i>Oikos</i> , 2002, 98, 3-16.	2.7	274
15	Niches and Geographic Distributions. , 2011, , .		245
16	Environmental filters reduce the effects of sampling bias and improve predictions of ecological niche models. <i>Ecography</i> , 2014, 37, 1084-1091.	4.5	237
17	A framework for using niche models to estimate impacts of climate change on species distributions. <i>Annals of the New York Academy of Sciences</i> , 2013, 1297, 8-28.	3.8	202
18	Modeling speciesâ€™ geographic distributions for preliminary conservation assessments: an implementation with the spiny pocket mice (<i>Heteromys</i>) of Ecuador. <i>Biological Conservation</i> , 2004, 116, 167-179.	4.1	199

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19	ENMeval 2.0: Redesigned for customizable and reproducible modeling of speciesâ€™ niches and distributions. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1602-1608.	5.2	199
20	<scp>Wallace</scp>: A flexible platform for reproducible modeling of species niches and distributions built for community expansion. <i>Methods in Ecology and Evolution</i> , 2018, 9, 1151-1156.	5.2	170
21	When and how should biotic interactions be considered in models of species niches and distributions?. <i>Journal of Biogeography</i> , 2017, 44, 8-17.	3.0	141
22	Harnessing the world's biodiversity data: promise and peril in ecological niche modeling of species distributions. <i>Annals of the New York Academy of Sciences</i> , 2012, 1260, 66-80.	3.8	134
23	Real vs. artefactual absences in species distributions: tests for <i>Oryzomys albicularis</i> (Rodentia: Tj ETQq1 1 0,784314 rgBT /Overl P25	3.0	125
24	Toward ecologically realistic predictions of species distributions: A crossâ€time example from tropical montane cloud forests. <i>Global Change Biology</i> , 2018, 24, 1511-1522.	9.5	117
25	The challenge of modeling niches and distributions for dataâ€poor species: a comprehensive approach to model complexity. <i>Ecography</i> , 2018, 41, 726-736.	4.5	106
26	DWARFISM IN INSULAR SLOTHS: BIOGEOGRAPHY, SELECTION, AND EVOLUTIONARY RATE. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 1045-1058.	2.3	89
27	Can biotic interactions cause allopatry? Niche models, competition, and distributions of South American mouse opossums. <i>Ecography</i> , 2014, 37, 741-753.	4.5	79
28	A new null model approach to quantify performance and significance for ecological niche models of species distributions. <i>Journal of Biogeography</i> , 2019, 46, 1101-1111.	3.0	50
29	Biotic predictors with phenological information improve range estimates for migrating monarch butterflies in Mexico. <i>Ecography</i> , 2020, 43, 341-352.	4.5	42
30	Bioclimatic variables derived from remote sensing: assessment and application for species distribution modelling. <i>Methods in Ecology and Evolution</i> , 2014, 5, 1033-1042.	5.2	37
31	The effect of spatially marginal localities in modelling species niches and distributions. <i>Journal of Biogeography</i> , 2014, 41, 1390-1401.	3.0	32
32	Transformational Principles for NEON Sampling of Mammalian Parasites and Pathogens: A Response to Springer and Colleagues. <i>BioScience</i> , 2016, 66, 917-919.	4.9	28
33	Revised distributional estimates for the recently discovered olinguito (<i>Bassaricyon neblina</i>), with comments on natural and taxonomic history. <i>Journal of Mammalogy</i> , 2018, 99, 321-332.	1.3	25
34	Taxonomy, Distribution, and Natural History of the Genus <i>Heteromys</i> (Rodentia: Heteromyidae) in Western Venezuela, with the Description of a Dwarf Species from the PenÃnsula de ParaguanÃj. <i>American Museum Novitates</i> , 2003, 3396, 1-43.	0.6	24
35	A New Species of Spiny Pocket Mouse (<i>Heteromyidae</i> : <i>Heteromys</i>) Endemic to Western Ecuador. <i>American Museum Novitates</i> , 2002, 3382, 1-26.	0.6	22
36	Optimizing biodiversity informatics to improve information flow, data quality, and utility for science and society. <i>Frontiers of Biogeography</i> , 2020, 12, .	1.8	22

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37	Are we overestimating the niche? Removing marginal localities helps ecological niche models detect environmental barriers. <i>Ecology and Evolution</i> , 2016, 6, 1267-1279.	1.9	21
38	A single algorithm ensemble approach to estimating suitability and uncertainty: cross-time projections for four Malagasy tenrecs. <i>Diversity and Distributions</i> , 2017, 23, 196-208.	4.1	21
39	VEGETATION-INDEX MODELS PREDICT AREAS VULNERABLE TO PURPLE LOOSESTRIFE (LYTHRUM SALICARIA) INVASION IN KANSAS. <i>Southwestern Naturalist</i> , 2006, 51, 471-480.	0.1	20
40	Open access solutions for biodiversity journals: Do not replace one problem with another. <i>Diversity and Distributions</i> , 2019, 25, 5-8.	4.1	19
41	Improving area of occupancy estimates for parapatric species using distribution models and support vector machines. <i>Ecological Applications</i> , 2021, 31, e02228.	3.8	18
42	Faunal nestedness and species-area relationship for small non-volant mammals in rocky islands of northern Venezuela. <i>Studies on Neotropical Fauna and Environment</i> , 2012, 47, 157-170.	1.0	17
43	Phylogeography of <i>Marmosa robinsoni</i> : insights into the biogeography of dry forests in northern South America. <i>Journal of Mammalogy</i> , 2014, 95, 1175-1188.	1.3	17
44	A Framework for Simultaneous Tests of Abiotic, Biotic, and Historical Drivers of Species Distributions: Empirical Tests for North American Wood Warblers Based on Climate and Pollen. <i>American Naturalist</i> , 2018, 192, E48-E61.	2.1	17
45	A New Montane Species of Spiny Pocket Mouse (Rodentia: Heteromyidae: <i>Heteromys</i>) from Northwestern Costa Rica. <i>American Museum Novitates</i> , 2006, 3509, 1.	0.6	11
46	Chapter 2. Taxonomy, Distribution, and Natural History of the Genus <i>Heteromys</i> (Rodentia: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 T Cordillera de la Costa. <i>Bulletin of the American Museum of Natural History</i> , 2009, 331, 33-93.	3.4	11
47	Sufficient versus optimal climatic stability during the Late Quaternary: using environmental quality to guide phylogeographic inferences in a Neotropical montane system. <i>Journal of Mammalogy</i> , 2019, 100, 1783-1807.	1.3	10
48	PHYLOGENETIC ANALYSES OF SPINY POCKET MICE (HETEROMYIDAE: HETEROMYINAE) BASED ON ALLOZYMIC AND MORPHOLOGICAL DATA. <i>Journal of Mammalogy</i> , 2006, 87, 1218-1233.	1.3	9
49	Linking ecological niche models and common garden experiments to predict phenotypic differentiation in stressful environments: Assessing the adaptive value of marginal populations in an alpine plant. <i>Global Change Biology</i> , 2022, 28, 4143-4162.	9.5	9
50	A Constraint-based model of Dynamic Island Biogeography: environmental history and species traits predict hysteresis in populations and communities. <i>Frontiers of Biogeography</i> , 2019, 11, .	1.8	5
51	Temporal matching of occurrence localities and forest cover data helps improve range estimates and predict climate change vulnerabilities. <i>Global Ecology and Conservation</i> , 2021, 27, e01569.	2.1	5
52	Genetic comparisons between <i>Heteromys desmarestianus</i> and the recently described <i>H. nubicolens</i> (Rodentia: Heteromyidae) in northwestern Costa Rica. <i>Mammalian Biology</i> , 2007, 72, 54-61.	1.5	4
53	Variation among Global Circulation Models for reconstructions of geographic distributions at the Last Glacial Maximum: relevance for phylogeography. <i>Ecosistemas</i> , 2018, 27, 62-76.	0.4	4
54	Pons Fontanals, M.2011. Osvaldo Reig: La Vida Itinerante de un Biólogo Evolucionista (Osvaldo) Tj ETQq0,0 0 rgBT /Overlock	1.3	0

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55	Mammalian research honoring the educational contributions of Grinnell Awardee Robert M. Timm. <i>Journal of Mammalogy</i> , 2019, 100, 1710-1712.	1.3	0
56	Improving Area of Occupancy Estimates for Parapatric Species Using Distribution Models and Support Vector Machines. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01813.	0.2	0