

Catherine S Jarnevich

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

2,537
citations

26
h-index

49
g-index

73
ext. papers

3,062
ext. citations

3.9
avg, IF

5.12
L-index

#	Paper	IF	Citations
72	Iterative near-term ecological forecasting: Needs, opportunities, and challenges. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1424-1432	11.5	230
71	Modelling invasion for a habitat generalist and a specialist plant species. <i>Diversity and Distributions</i> , 2008 , 14, 808-817	5	166
70	Improving and integrating data on invasive species collected by citizen scientists. <i>Biological Invasions</i> , 2010 , 12, 3419-3428	2.7	150
69	Caveats for correlative species distribution modeling. <i>Ecological Informatics</i> , 2015 , 29, 6-15	4.2	146
68	Ensemble habitat mapping of invasive plant species. <i>Risk Analysis</i> , 2010 , 30, 224-35	3.9	127
67	The myth of plant species saturation. <i>Ecology Letters</i> , 2008 , 11, 313-22; discussion 322-6	10	112
66	A tamarisk habitat suitability map for the continental United States. <i>Frontiers in Ecology and the Environment</i> , 2006 , 4, 11-17	5.5	97
65	Challenges in identifying sites climatically matched to the native ranges of animal invaders. <i>PLoS ONE</i> , 2011 , 6, e14670	3.7	92
64	Development and Delivery of Species Distribution Models to Inform Decision-Making. <i>BioScience</i> , 2019 , 69, 544-557	5.7	81
63	VisTrails SAHM: visualization and workflow management for species habitat modeling. <i>Ecography</i> , 2013 , 36, 129-135	6.5	79
62	Modeling the Present and Future Geographic Distribution of the Lone Star Tick, <i>Amblyomma americanum</i> (Ixodida: Ixodidae), in the Continental United States. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015 , 93, 875-90	3.2	74
61	Distribution and Abundance of Saltcedar and Russian Olive in the Western United States. <i>Critical Reviews in Plant Sciences</i> , 2011 , 30, 508-523	5.6	69
60	Challenges of predicting the potential distribution of a slow-spreading invader: a habitat suitability map for an invasive riparian tree. <i>Biological Invasions</i> , 2011 , 13, 153-163	2.7	60
59	Invasive species information networks: collaboration at multiple scales for prevention, early detection, and rapid response to invasive alien species. <i>Biodiversity</i> , 2009 , 10, 5-13	0.7	58
58	Modeling the Geographic Distribution of <i>Ixodes scapularis</i> and <i>Ixodes pacificus</i> (Acari: Ixodidae) in the Contiguous United States. <i>Journal of Medical Entomology</i> , 2016 , 53, 1176-1191	2.2	58
57	The area under the precision-recall curve as a performance metric for rare binary events. <i>Methods in Ecology and Evolution</i> , 2019 , 10, 565-577	7.7	56
56	What parts of the US mainland are climatically suitable for invasive alien pythons spreading from Everglades National Park?. <i>Biological Invasions</i> , 2009 , 11, 241-252	2.7	53

55	Near term climate projections for invasive species distributions. <i>Biological Invasions</i> , 2009 , 11, 1373-1379.	2.7	53
54	Citizen science contributes to our knowledge of invasive plant species distributions. <i>Biological Invasions</i> , 2015 , 17, 2415-2427	2.7	50
53	Using habitat suitability models to target invasive plant species surveys 2013 , 23, 60-72		49
52	Mapping current and potential distribution of non-native <i>Prosopis juliflora</i> in the Afar region of Ethiopia. <i>PLoS ONE</i> , 2014 , 9, e112854	3.7	45
51	Show me the numbers: what data currently exist for non-native species in the USA?. <i>Frontiers in Ecology and the Environment</i> , 2006 , 4, 414-418	5.5	44
50	The relationship between invader abundance and impact. <i>Ecosphere</i> , 2018 , 9, e02415	3.1	40
49	The art and science of weed mapping. <i>Environmental Monitoring and Assessment</i> , 2007 , 132, 235-52	3.1	36
48	Bounding species distribution models. <i>Environmental Epigenetics</i> , 2011 , 57, 642-647	2.4	26
47	Filling in the gaps: modelling native species richness and invasions using spatially incomplete data. <i>Diversity and Distributions</i> , 2006 , 12, 511-520	5	26
46	Misleading prioritizations from modelling range shifts under climate change. <i>Global Ecology and Biogeography</i> , 2018 , 27, 658-666	6.1	25
45	Vision of a Cyberinfrastructure for Nonnative, Invasive Species Management. <i>BioScience</i> , 2008 , 58, 263-268	5.9	25
44	Forecasting Weed Distributions using Climate Data: A GIS Early Warning Tool. <i>Invasive Plant Science and Management</i> , 2010 , 3, 365-375	1	24
43	Designing ecological climate change impact assessments to reflect key climatic drivers. <i>Global Change Biology</i> , 2017 , 23, 2537-2553	11.4	23
42	Minimizing effects of methodological decisions on interpretation and prediction in species distribution studies: An example with background selection. <i>Ecological Modelling</i> , 2017 , 363, 48-56	3	22
41	A global organism detection and monitoring system for non-native species. <i>Ecological Informatics</i> , 2007 , 2, 177-183	4.2	22
40	Modeling the distributions of tegu lizards in native and potential invasive ranges. <i>Scientific Reports</i> , 2018 , 8, 10193	4.9	22
39	Improving National-Scale Invasion Maps: Tamarisk in the Western United States. <i>Western North American Naturalist</i> , 2011 , 71, 164-175	0.4	21
38	Evaluating dominance as a component of non-native species invasions. <i>Diversity and Distributions</i> , 2006 , 12, 195-204	5	21

37	Diet and conservation implications of an invasive chameleon, <i>Chamaeleo jacksonii</i> (Squamata: Chamaeleonidae) in Hawaii. <i>Biological Invasions</i> , 2012 , 14, 579-593	2.7	18
36	Balancing energy development and conservation: a method utilizing species distribution models. <i>Environmental Management</i> , 2011 , 47, 926-36	3.1	16
35	Regional distribution models with lack of proximate predictors: Africanized honeybees expanding north. <i>Diversity and Distributions</i> , 2014 , 20, 193-201	5	15
34	Regional modeling of large wildfires under current and potential future climates in Colorado and Wyoming, USA. <i>Climatic Change</i> , 2016 , 134, 565-577	4.5	14
33	Developing an expert elicited simulation model to evaluate invasive species and fire management alternatives. <i>Ecosphere</i> , 2019 , 10, e02730	3.1	13
32	Forecasting an invasive species distribution with global distribution data, local data, and physiological information. <i>Ecosphere</i> , 2018 , 9, e02279	3.1	13
31	Crossing Boundaries in a Collaborative Modeling Workspace. <i>Society and Natural Resources</i> , 2017 , 30, 1158-1167	2.4	12
30	Comparison of four modeling tools for the prediction of potential distribution for non-indigenous weeds in the United States. <i>Biological Invasions</i> , 2018 , 20, 679-694	2.7	12
29	Iterative Models for Early Detection of Invasive Species across Spread Pathways. <i>Forests</i> , 2019 , 10, 108	2.8	11
28	Balancing data sharing requirements for analyses with data sensitivity. <i>Biological Invasions</i> , 2007 , 9, 597-599		11
27	Response: The Geographic Distribution of <i>Ixodes scapularis</i> (Acari: Ixodidae) Revisited: The Importance of Assumptions About Error Balance. <i>Journal of Medical Entomology</i> , 2017 , 54, 1104-1106	2.2	9
26	Simulating long-term effectiveness and efficiency of management scenarios for an invasive grass. <i>AIMS Environmental Science</i> , 2015 , 2, 427-447	1.9	8
25	CO-RIP: A Riparian Vegetation and Corridor Extent Dataset for Colorado River Basin Streams and Rivers. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 397	2.9	8
24	How will climate change affect the potential distribution of Eurasian tree sparrows <i>Passer montanus</i> in North America?. <i>Environmental Epigenetics</i> , 2011 , 57, 648-654	2.4	7
23	Bringing Modeling to the Masses: A Web Based System to Predict Potential Species Distributions. <i>Future Internet</i> , 2010 , 2, 624-634	3.3	7
22	From Points to Forecasts: Predicting Invasive Species Habitat Suitability in the Near Term. <i>Diversity</i> , 2010 , 2, 738-767	2.5	7
21	Modeling suitable habitat of invasive red lionfish <i>Pterois volitans</i> (Linnaeus, 1758) in North and South America coastal waters. <i>Aquatic Invasions</i> , 2016 , 11, 313-326	2.9	7
20	A modeling workflow that balances automation and human intervention to inform invasive plant management decisions at multiple spatial scales. <i>PLoS ONE</i> , 2020 , 15, e0229253	3.7	6

19	Running a network on a shoestring: the Global Invasive Species Information Network. <i>Management of Biological Invasions</i> , 2015 , 6, 137-146	2.2	6
18	Assessing range-wide habitat suitability for the Lesser Prairie-Chicken. <i>Avian Conservation and Ecology</i> , 2016 , 11,	1.5	6
17	Integrating subsistence practice and species distribution modeling: assessing invasive elodea's potential impact on Native Alaskan subsistence of Chinook salmon and whitefish. <i>Environmental Management</i> , 2016 , 58, 144-63	3.1	6
16	Cross-Scale Assessment of Potential Habitat Shifts in a Rapidly Changing Climate. <i>Invasive Plant Science and Management</i> , 2014 , 7, 491-502	1	5
15	Not so Normal Normals: Species Distribution Model Results are Sensitive to Choice of Climate Normals and Model Type. <i>Climate</i> , 2019 , 7, 37	3.1	5
14	Evaluating Potential Distribution of High-Risk Aquatic Invasive Species in the Water Garden and Aquarium Trade at a Global Scale Based on Current Established Populations. <i>Risk Analysis</i> , 2019 , 39, 1169-1191 ⁵	3.9	5
13	Accounting for sampling patterns reverses the relative importance of trade and climate for the global sharing of exotic plants. <i>Global Ecology and Biogeography</i> , 2017 , 26, 669-678	6.1	4
12	Assessing ecological uncertainty and simulation model sensitivity to evaluate an invasive plant species' potential impacts to the landscape. <i>Scientific Reports</i> , 2020 , 10, 19069	4.9	4
11	The hyper-envelope modeling interface (HEMI): a novel approach illustrated through predicting tamarisk (<i>Tamarix</i> spp.) habitat in the Western USA. <i>Environmental Management</i> , 2013 , 52, 929-38	3.1	3
10	PLANT SPECIES INVASIONS ALONG THE LATITUDINAL GRADIENT IN THE UNITED STATES: REPLY. <i>Ecology</i> , 2006 , 87, 3213-3217	4.6	3
9	From Hybrid Swarms to Swarms of Hybrids. <i>Environment and Ecology Research</i> , 2014 , 2, 311-318	1	3
8	Grassification and Fast-Evolving Fire Connectivity and Risk in the Sonoran Desert, United States. <i>Frontiers in Ecology and Evolution</i> , 2021 , 9,	3.7	3
7	Modelling presence versus abundance for invasive species risk assessment. <i>Diversity and Distributions</i> ,	5	3
6	Human-associated species dominate passerine communities across the United States. <i>Global Ecology and Biogeography</i> , 2020 , 29, 885-895	6.1	2
5	Challenges in updating habitat suitability models: An example with the lesser prairie-chicken. <i>PLoS ONE</i> , 2021 , 16, e0256633	3.7	2
4	Ecology and Space: A Case Study in Mapping Harmful Invasive Species 2017 , 63-81		1
3	INHABIT: A web-based decision support tool for invasive plant species habitat visualization and assessment across the contiguous United States.. <i>PLoS ONE</i> , 2022 , 17, e0263056	3.7	0
2	A tale of two wildfires; testing detection and prediction of invasive species distributions using models fit with topographic and spectral indices. <i>Landscape Ecology</i> , 2018 , 33, 969-984	4.3	

- 1 Coupling process-based and empirical models to assess management options to meet conservation goals. *Biological Conservation*, **2022**, 265, 109379 6.2