

# Nathan H Schumaker

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

2,020  
citations

331538

21  
h-index

289141

40  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2641  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circuit theory applications to connectivity science and conservation. <i>Conservation Biology</i> , 2019, 33, 239-249.	2.4	216
2	ALTERNATIVE FUTURES FOR THE WILLAMETTE RIVER BASIN, OREGON. , 2004, 14, 313-324.		185
3	Modeling joint production of wildlife and timber. <i>Journal of Environmental Economics and Management</i> , 2004, 48, 997-1017.	2.1	179
4	Impacts of Landscape Change on Wolf Restoration Success: Planning a Reintroduction Program Based on Static and Dynamic Spatial Models. <i>Conservation Biology</i> , 2003, 17, 536-548.	2.4	121
5	Extinction Debt of Protected Areas in Developing Landscapes. <i>Conservation Biology</i> , 2004, 18, 1110-1120.	2.4	105
6	USE OF POPULATION VIABILITY ANALYSIS AND RESERVE SELECTION ALGORITHMS IN REGIONAL CONSERVATION PLANS. , 2003, 13, 1773-1789.		101
7	Genetic factors in threatened species recovery plans on three continents. <i>Frontiers in Ecology and the Environment</i> , 2016, 14, 433-440.	1.9	93
8	A multi-model framework for simulating wildlife population response to land-use and climate change. <i>Ecological Modelling</i> , 2008, 219, 77-91.	1.2	74
9	Developing a production possibility set of wildlife species persistence and timber harvest value. <i>Canadian Journal of Forest Research</i> , 2002, 32, 1329-1342.	0.8	72
10	HexSim: a modeling environment for ecology and conservation. <i>Landscape Ecology</i> , 2018, 33, 197-211.	1.9	59
11	Assessing critical habitat: Evaluating the relative contribution of habitats to population persistence. <i>Biological Conservation</i> , 2010, 143, 2229-2237.	1.9	54
12	Habitat degradation and loss as key drivers of regional population extinction. <i>Ecological Modelling</i> , 2016, 335, 64-73.	1.2	54
13	Defining Recovery Goals and Strategies for Endangered Species: The Wolf as a Case Study. <i>BioScience</i> , 2006, 56, 25.	2.2	53
14	Incorporating evolutionary processes into population viability models. <i>Conservation Biology</i> , 2015, 29, 755-764.	2.4	51
15	Assessing the potential impacts of alternative landscape designs on amphibian population dynamics. <i>Landscape Ecology</i> , 2003, 18, 65-81.	1.9	47
16	Mapping sources, sinks, and connectivity using a simulation model of northern spotted owls. <i>Landscape Ecology</i> , 2014, 29, 579-592.	1.9	47
17	Using dynamic population simulations to extend resource selection analyses and prioritize habitats for conservation. <i>Ecological Modelling</i> , 2017, 359, 449-459.	1.2	37
18	ANALYSIS OF SENSITIVITY AND UNCERTAINTY IN AN INDIVIDUAL-BASED MODEL OF A THREATENED WILDLIFE SPECIES. <i>Natural Resource Modelling</i> , 2015, 28, 37-58.	0.8	36

#	ARTICLE	IF	CITATIONS
19	Intrinsic and extrinsic drivers of source-sink dynamics. <i>Ecology and Evolution</i> , 2016, 6, 892-904.	0.8	34
20	Simulating the consequences of roads for wildlife population dynamics. <i>Landscape and Urban Planning</i> , 2020, 193, 103672.	3.4	30
21	How interactions between animal movement and landscape processes modify local range dynamics and extinction risk. <i>Biology Letters</i> , 2014, 10, 20140198.	1.0	25
22	Dependence of the Endangered Black-capped Vireo on Sustained Cowbird Management. <i>Conservation Biology</i> , 2014, 28, 561-571.	2.4	23
23	Land Use as a Driver of Patterns of Rodenticide Exposure in Modeled Kit Fox Populations. <i>PLoS ONE</i> , 2015, 10, e0133351.	1.1	23
24	Individual based modeling of fish migration in a 2-D river system: model description and case study. <i>Landscape Ecology</i> , 2019, 34, 737-754.	1.9	22
25	Spatial Demographic Models to Inform Conservation Planning of Golden Eagles in Renewable Energy Landscapes. <i>Journal of Raptor Research</i> , 2017, 51, 234-257.	0.2	21
26	Conservation planning for species recovery under the Endangered Species Act: A case study with the Northern Spotted Owl. <i>PLoS ONE</i> , 2019, 14, e0210643.	1.1	20
27	Spatial uncertainty analysis of population models. <i>Ecological Modelling</i> , 2005, 185, 13-27.	1.2	19
28	Divergence in sink contributions to population persistence. <i>Conservation Biology</i> , 2015, 29, 1674-1683.	2.4	18
29	An Analysis of Late-Seral Forest Connectivity in Western Oregon, U.S.A.. <i>Conservation Biology</i> , 2002, 16, 1409-1421.	2.4	16
30	Assessing contributions of cold-water refuges to reproductive migration corridor conditions for adult salmon and steelhead trout in the Columbia River, USA. <i>Journal of Ecohydraulics</i> , 2022, 7, 111-123.	1.6	16
31	Landscape resistance to dispersal: simulating long-term effects of human disturbance on a small and isolated wolf population in southwestern Manitoba, Canada. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 6923-6934.	1.3	15
32	Modeling Agassiz's desert tortoise population response to anthropogenic stressors. <i>Journal of Wildlife Management</i> , 2016, 80, 414-429.	0.7	15
33	HOW BIG AND HOW CLOSE? HABITAT PATCH SIZE AND SPACING TO CONSERVE A THREATENED SPECIES. <i>Natural Resource Modelling</i> , 2013, 26, 194-214.	0.8	14
34	A priori assessment of reintroduction strategies for a native ungulate: using HexSim to guide release site selection. <i>Landscape Ecology</i> , 2014, 29, 689-701.	1.9	14
35	A multispecies test of source-sink indicators to prioritize habitat for declining populations. <i>Conservation Biology</i> , 2018, 32, 648-659.	2.4	14
36	Evaluating Habitat as a Surrogate for Population Viability Using a Spatially Explicit Population Model. <i>Environmental Monitoring and Assessment</i> , 2004, 94, 85-100.	1.3	12

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37	Weighing the relative potential impacts of climate change and land-use change on an endangered bird. <i>Ecology and Evolution</i> , 2016, 6, 4468-4477.	0.8	11
38	Spatially-explicit model for assessing wild dog control strategies in Western Australia. <i>Ecological Modelling</i> , 2018, 368, 246-256.	1.2	11
39	Effects of landscape and patch-level attributes on regional population persistence. <i>Journal for Nature Conservation</i> , 2015, 26, 56-64.	0.8	10
40	Prioritizing actions for the recovery of endangered species: Emergent insights from Greater Sage-grouse simulation modeling. <i>Biological Conservation</i> , 2018, 218, 134-143.	1.9	10
41	Assessing source-sink stability in the context of management and land-use change. <i>Landscape Ecology</i> , 2019, 34, 259-274.	1.9	9
42	A spatially explicit model for estimating risks of pesticide exposure to bird populations. <i>PLoS ONE</i> , 2021, 16, e0252545.	1.1	9
43	Recent Advances and Current Challenges in Applying Source-Sink Theory to Species Conservation. <i>Current Landscape Ecology Reports</i> , 2019, 4, 51-60.	1.1	8
44	Land use change and rodenticide exposure trump climate change as the biggest stressors to San Joaquin kit fox. <i>PLoS ONE</i> , 2019, 14, e0214297.	1.1	5
45	A novel modelling framework to explicitly simulate predator interaction with poison baits. <i>Wildlife Research</i> , 2021, 48, 64.	0.7	3
46	Condors in space: an individual-based population model for California condor reintroduction planning. <i>Landscape Ecology</i> , 2022, 37, 1431-1452.	1.9	3
47	virToad: simulating the spatiotemporal population dynamics and management of a global invader. <i>Landscape Ecology</i> , 2022, 37, 2273-2292.	1.9	3
48	The scientific basis for modeling Northern Spotted Owl habitat: A response to Loehle, Irwin, Manly, and Merrill. <i>Forest Ecology and Management</i> , 2015, 358, 355-360.	1.4	2
49	Adding Space to Disease Models: A Case Study with COVID-19 in Oregon, USA. <i>Land</i> , 2021, 10, 438.	1.2	1