

Darius J Semmens

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,643
citations

201385

27
h-index

174990

52
g-index

63
all docs

63
docs citations

63
times ranked

4243
citing authors

#	ARTICLE	IF	CITATIONS
1	Social Values for Ecosystem Services (SolVES): Open-source spatial modeling of cultural services. <i>Environmental Modelling and Software</i> , 2022, 148, 105259.	1.9	26
2	Multi-species, multi-country analysis reveals North Americans are willing to pay for transborder migratory species conservation. <i>People and Nature</i> , 2022, 4, 549-562.	1.7	5
3	Spatial social value distributions for multiple user groups in a coastal national park. <i>Ocean and Coastal Management</i> , 2022, 222, 106126.	2.0	7
4	TrendPowerTool : A lookup tool for estimating the statistical power of a monitoring program to detect population trends. <i>Conservation Science and Practice</i> , 2021, 3, e445.	0.9	1
5	Challenges for leveraging citizen science to support statistically robust monitoring programs. <i>Biological Conservation</i> , 2020, 242, 108411.	1.9	13
6	Quantifying the Contribution of Habitats and Pathways to a Spatially Structured Population Facing Environmental Change. <i>American Naturalist</i> , 2020, 196, 157-168.	1.0	5
7	Mapping Perceived Social Values to Support a Respondent-Defined Restoration Economy: Case Study in Southeastern Arizona, USA. <i>Air, Soil and Water Research</i> , 2020, 13, 117862212091331.	1.2	13
8	Monarch Habitat as a Component of Multifunctional Landscape Restoration Using Continuous Riparian Buffers. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	3
9	Is the Timing, Pace, and Success of the Monarch Migration Associated With Sun Angle?. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	34
10	Balancing sampling intensity against spatial coverage for a community science monitoring programme. <i>Journal of Applied Ecology</i> , 2019, 56, 2252-2263.	1.9	14
11	Quantifying source and sink habitats and pathways in spatially structured populations: A generalized modelling approach. <i>Ecological Modelling</i> , 2019, 407, 108715.	1.2	3
12	Using social-context matching to improve spatial function-transfer performance for cultural ecosystem service models. <i>Ecosystem Services</i> , 2019, 38, 100945.	2.3	16
13	Multi-country Willingness to Pay for Transborder Migratory Species Conservation: A Case Study of Northern Pintails. <i>Ecological Economics</i> , 2019, 157, 321-331.	2.9	24
14	Consequences of ignoring spatial variation in population trend when conducting a power analysis. <i>Ecography</i> , 2019, 42, 836-844.	2.1	7
15	Ecosystem service flows from a migratory species: Spatial subsidies of the northern pintail. <i>Ambio</i> , 2019, 48, 61-73.	2.8	32
16	A guide to calculating habitat-quality metrics to inform conservation of highly mobile species. <i>Natural Resource Modelling</i> , 2018, 31, .	0.8	4
17	Quantifying ecosystem service flows at multiple scales across the range of a long-distance migratory species. <i>Ecosystem Services</i> , 2018, 31, 255-264.	2.3	42
18	Willingness to Pay for Conservation of Transborder Migratory Species: A Case Study of the Mexican Free-Tailed Bat in the United States and Mexico. <i>Environmental Management</i> , 2018, 62, 229-240.	1.2	18

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19	Recreation economics to inform migratory species conservation: Case study of the northern pintail. <i>Journal of Environmental Management</i> , 2018, 206, 971-979.	3.8	17
20	Do economic values and expenditures for viewing waterfowl in the U.S. differ among species?. <i>Human Dimensions of Wildlife</i> , 2018, 23, 587-596.	1.0	6
21	Quantitative tools for implementing the new definition of significant portion of the range in the U.S. Endangered Species Act. <i>Conservation Biology</i> , 2018, 32, 35-49.	2.4	11
22	Improving spatio-temporal benefit transfers for pest control by generalist predators in cotton in the southwestern US. <i>International Journal of Biodiversity Science, Ecosystem Services & Management</i> , 2017, 13, 27-39.	2.9	5
23	Analyzing land-use change scenarios for trade-offs among cultural ecosystem services in the Southern Rocky Mountains. <i>Ecosystem Services</i> , 2017, 26, 431-444.	2.3	64
24	Oil and gas development influences big game hunting in Wyoming. <i>Journal of Wildlife Management</i> , 2017, 81, 379-392.	0.7	6
25	Integrating Spatially Explicit Representations of Landscape Perceptions into Land Change Research. <i>Current Landscape Ecology Reports</i> , 2017, 2, 73-88.	1.1	23
26	Monarch butterfly population decline in North America: identifying the threatening processes. <i>Royal Society Open Science</i> , 2017, 4, 170760.	1.1	191
27	Ecosystem Services from Transborder Migratory Species: Implications for Conservation Governance. <i>Annual Review of Environment and Resources</i> , 2017, 42, 509-539.	5.6	51
28	A transnational monarch butterfly population model and implications for regional conservation priorities. <i>Ecological Entomology</i> , 2017, 42, 51-60.	1.1	150
29	Evaluating alternative methods for biophysical and cultural ecosystem services hotspot mapping in natural resource planning. <i>Landscape Ecology</i> , 2017, 32, 77-97.	1.9	75
30	Restoring monarch butterfly habitat in the Midwestern US: "all hands on deck"™. <i>Environmental Research Letters</i> , 2017, 12, 074005.	2.2	143
31	Operationalizing the telecoupling framework for migratory species using the spatial subsidies approach to examine ecosystem services provided by Mexican free-tailed bats. <i>Ecology and Society</i> , 2017, 22, .	1.0	29
32	Density estimates of monarch butterflies overwintering in central Mexico. <i>PeerJ</i> , 2017, 5, e3221.	0.9	40
33	Quasi-extinction risk and population targets for the Eastern, migratory population of monarch butterflies (<i>Danaus plexippus</i>). <i>Scientific Reports</i> , 2016, 6, 23265.	1.6	179
34	A management-oriented framework for selecting metrics used to assess habitat- and path-specific quality in spatially structured populations. <i>Ecological Indicators</i> , 2016, 69, 792-802.	2.6	17
35	Linking biophysical models and public preferences for ecosystem service assessments: a case study for the Southern Rocky Mountains. <i>Regional Environmental Change</i> , 2016, 16, 2005-2018.	1.4	85
36	Optimizing conservation strategies for Mexican free-tailed bats: a population viability and ecosystem services approach. <i>Biodiversity and Conservation</i> , 2015, 24, 63-82.	1.2	17

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37	Market Forces and Technological Substitutes Cause Fluctuations in the Value of Bat Pest-Control Services for Cotton. PLoS ONE, 2014, 9, e87912.	1.1	50
38	Replacement Cost Valuation of Northern Pintail (<i>Anas acuta</i>) Subsistence Harvest in Arctic and Sub-Arctic North America. Human Dimensions of Wildlife, 2014, 19, 347-354.	1.0	10
39	An application of Social Values for Ecosystem Services (SOLVES) to three national forests in Colorado and Wyoming. Ecological Indicators, 2014, 36, 68-79.	2.6	184
40	A Framework for Quantitative Assessment of Impacts Related to Energy and Mineral Resource Development. Natural Resources Research, 2014, 23, 3-17.	2.2	10
41	National Valuation of Monarch Butterflies Indicates an Untapped Potential for Incentive-Based Conservation. Conservation Letters, 2014, 7, 253-262.	2.8	67
42	Validating a method for transferring social values of ecosystem services between public lands in the Rocky Mountain region. Ecosystem Services, 2014, 8, 166-177.	2.3	34
43	Quantifying and valuing ecosystem services: an application of ARIES to the San Pedro River Basin, USA. , 2014, , .		1
44	Comparing approaches to spatially explicit ecosystem service modeling: A case study from the San Pedro River, Arizona. Ecosystem Services, 2013, 5, 40-50.	2.3	105
45	A comparative assessment of decision-support tools for ecosystem services quantification and valuation. Ecosystem Services, 2013, 5, 27-39.	2.3	535
46	Climate change's impact on key ecosystem services and the human well-being they support in the US. Frontiers in Ecology and the Environment, 2013, 11, 483-893.	1.9	150
47	Moving across the border: modeling migratory bat populations. Ecosphere, 2013, 4, 1-16.	1.0	40
48	A GIS application for assessing, mapping, and quantifying the social values of ecosystem services. Applied Geography, 2011, 31, 748-760.	1.7	420
49	Accounting for the ecosystem services of migratory species: Quantifying migration support and spatial subsidies. Ecological Economics, 2011, 70, 2236-2242.	2.9	61
50	Flood hazard awareness and hydrologic modelling at Ambos Nogales, United States-Mexico border. Journal of Flood Risk Management, 2010, 3, 151-165.	1.6	48
51	A formal framework for scenario development in support of environmental decision-making. Environmental Modelling and Software, 2009, 24, 798-808.	1.9	284
52	Chapter Nine Formal Scenario Development for Environmental Impact Assessment Studies. Developments in Integrated Environmental Assessment, 2008, 3, 145-162.	0.0	4
53	The Automated Geospatial Watershed Assessment tool. Environmental Modelling and Software, 2007, 22, 365-377.	1.9	124
54	Scenario Analysis for the San Pedro River, Analyzing Hydrological Consequences of a Future Environment. Environmental Monitoring and Assessment, 2004, 94, 115-127.	1.3	65