

# Shawn James Leroux

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

2,266  
citations

270111

25  
h-index

286692

43  
g-index

78  
all docs

78  
docs citations

78  
times ranked

4242  
citing authors

#	ARTICLE	IF	CITATIONS
1	Subsidy hypothesis and strength of trophic cascades across ecosystems. <i>Ecology Letters</i> , 2008, 11, 1147-1156.	3.0	235
2	Animals and the zoogeochemistry of the carbon cycle. <i>Science</i> , 2018, 362, .	6.0	197
3	Global patterns and drivers of ecosystem functioning in rivers and riparian zones. <i>Science Advances</i> , 2019, 5, eaav0486.	4.7	133
4	Global protected areas and IUCN designations: Do the categories match the conditions?. <i>Biological Conservation</i> , 2010, 143, 609-616.	1.9	102
5	On the prevalence of uninformative parameters in statistical models applying model selection in applied ecology. <i>PLoS ONE</i> , 2019, 14, e0206711.	1.1	98
6	Arctic ecosystem structure and functioning shaped by climate and herbivore body size. <i>Nature Climate Change</i> , 2014, 4, 379-383.	8.1	92
7	Unifying sources and sinks in ecology and Earth sciences. <i>Biological Reviews</i> , 2013, 88, 365-379.	4.7	85
8	Mechanistic models for the spatial spread of species under climate change. <i>Ecological Applications</i> , 2013, 23, 815-828.	1.8	80
9	The spatial scaling of species interaction networks. <i>Nature Ecology and Evolution</i> , 2018, 2, 782-790.	3.4	77
10	The marine fish food web is globally connected. <i>Nature Ecology and Evolution</i> , 2019, 3, 1153-1161.	3.4	76
11	Dynamics of Reciprocal Pulsed Subsidies in Local and Meta-Ecosystems. <i>Ecosystems</i> , 2012, 15, 48-59.	1.6	69
12	Minimum dynamic reserves: A framework for determining reserve size in ecosystems structured by large disturbances. <i>Biological Conservation</i> , 2007, 138, 464-473.	1.9	67
13	Coupled Networks of Permanent Protected Areas and Dynamic Conservation Areas for Biodiversity Conservation Under Climate Change. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	54
14	Stoichiometric distribution models: ecological stoichiometry at the landscape extent. <i>Ecology Letters</i> , 2017, 20, 1495-1506.	3.0	49
15	Land Development in and around Protected Areas at the Wilderness Frontier. <i>Conservation Biology</i> , 2013, 27, 166-176.	2.4	45
16	Consumer-mediated recycling and cascading trophic interactions. <i>Ecology</i> , 2010, 91, 2162-2171.	1.5	42
17	Predation risk, stoichiometric plasticity and ecosystem elemental cycling. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4183-4191.	1.2	42
18	Diversity and suitability of existing methods and metrics for quantifying species range shifts. <i>Global Ecology and Biogeography</i> , 2017, 26, 609-624.	2.7	41

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19	ACCOUNTING FOR SYSTEM DYNAMICS IN RESERVE DESIGN. , 2007, 17, 1954-1966.		38
20	Predator-driven elemental cycling: the impact of predation and risk effects on ecosystem stoichiometry. Ecology and Evolution, 2015, 5, 4976-4988.	0.8	38
21	Theoretical perspectives on bottom-up and top-down interactions across ecosystems. , 2015, , 3-28.		37
22	Evaluating conceptual models of landscape change. Ecography, 2017, 40, 74-84.	2.1	35
23	Ecological network complexity scales with area. Nature Ecology and Evolution, 2022, 6, 307-314.	3.4	35
24	Synthetic datasets and community tools for the rapid testing of ecological hypotheses. Ecography, 2016, 39, 402-408.	2.1	32
25	Herbivore Impacts on Carbon Cycling in Boreal Forests. Trends in Ecology and Evolution, 2020, 35, 1001-1010.	4.2	32
26	Food Webs and Ecosystems: Linking Species Interactions to the Carbon Cycle. Annual Review of Ecology, Evolution, and Systematics, 2020, 51, 271-295.	3.8	32
27	Towards an applied metaecology. Perspectives in Ecology and Conservation, 2019, 17, 172-181.	1.0	30
28	Moose directly slow plant regeneration but have limited indirect effects on soil stoichiometry and litter decomposition rates in disturbed maritime boreal forests. Functional Ecology, 2017, 31, 790-801.	1.7	27
29	Impact of Non-Native Terrestrial Mammals on the Structure of the Terrestrial Mammal Food Web of Newfoundland, Canada. PLoS ONE, 2014, 9, e106264.	1.1	24
30	An empirical test of the relative and combined effects of land cover and climate change on local colonization and extinction. Global Change Biology, 2018, 24, 3849-3861.	4.2	23
31	Methods and models for identifying thresholds of habitat loss. Ecography, 2017, 40, 131-143.	2.1	20
32	The strength of ecological subsidies across ecosystems: a latitudinal gradient of direct and indirect impacts on food webs. Ecology Letters, 2019, 22, 265-274.	3.0	20
33	Incorporating abiotic controls on animal movements in metacommunities. Ecology, 2021, 102, e03365.	1.5	17
34	Structural uncertainty in models projecting the consequences of habitat loss and fragmentation on biodiversity. Ecography, 2017, 40, 36-47.	2.1	16
35	Microbial and animal nutrient limitation change the distribution of nitrogen within coupled green and brown food chains. Ecology, 2019, 100, e02674.	1.5	15
36	Potential Spatial Overlap of Heritage Sites and Protected Areas in a Boreal Region of Northern Canada. Conservation Biology, 2007, 21, 376-386.	2.4	14

#	ARTICLE	IF	CITATIONS
37	Bridging the divide between ecological forecasts and environmental decision making. <i>Ecosphere</i> , 2021, 12, .	1.0	14
38	Methods and tools for addressing natural disturbance dynamics in conservation planning for wilderness areas. <i>Diversity and Distributions</i> , 2014, 20, 258-271.	1.9	12
39	Forage stoichiometry predicts the home range size of a small terrestrial herbivore. <i>Oecologia</i> , 2021, 197, 327-338.	0.9	12
40	Global Patterns and Controls of Nutrient Immobilization on Decomposing Cellulose in Riverine Ecosystems. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	12
41	Effect of Roadside Vegetation Cutting on Moose Browsing. <i>PLoS ONE</i> , 2015, 10, e0133155.	1.1	11
42	Biodiversity Concordance and the Importance of Endemism. <i>Conservation Biology</i> , 2007, 21, 266-268.	2.4	9
43	Patterns and potential drivers of intraspecific variability in the body C, N, and P composition of a terrestrial consumer, the snowshoe hare ( <i>Lepus americanus</i> ). <i>Ecology and Evolution</i> , 2019, 9, 14453-14464.	0.8	9
44	Quantity–quality trade-offs revealed using a multiscale test of herbivore resource selection on elemental landscapes. <i>Ecology and Evolution</i> , 2020, 10, 13847-13859.	0.8	9
45	Cumulative effects of spruce budworm and moose herbivory on boreal forest ecosystems. <i>Functional Ecology</i> , 2021, 35, 1448-1459.	1.7	9
46	Road characteristics best predict the probability of vehicle collisions with a non-native ungulate. <i>Ecoscience</i> , 2017, 24, 1-11.	0.6	8
47	Cross-ecosystem effects of a large terrestrial herbivore on stream ecosystem functioning. <i>Oikos</i> , 2019, 128, 135-145.	1.2	8
48	Effects of species traits, motif profiles, and environment on spatial variation in multi-trophic antagonistic networks. <i>Ecosphere</i> , 2020, 11, e03018.	1.0	8
49	The multiple meanings of omnivory influence empirical, modular theory and whole food web stability relationships. <i>Journal of Animal Ecology</i> , 2021, 90, 447-459.	1.3	8
50	Ecological, evolutionary, and geographical correlates of variation in consumer elemental composition. <i>Functional Ecology</i> , 2018, 32, 2282-2284.	1.7	7
51	Disentangling multiple predator effects in biodiversity and ecosystem functioning research. <i>Journal of Animal Ecology</i> , 2009, 78, 695-698.	1.3	6
52	Integrating plant stoichiometry and feeding experiments: state-dependent forage choice and its implications on body mass. <i>Oecologia</i> , 2022, 198, 579-591.	0.9	6
53	From Marine Metacommunities to Meta-ecosystems: Examining the Nature, Scale and Significance of Resource Flows in Benthic Marine Environments. <i>Ecosystems</i> , 2021, 24, 1239-1252.	1.6	5
54	Sampling and asymptotic network properties of spatial multi-trophic networks. <i>Oikos</i> , 2021, 130, 2250-2259.	1.2	5

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55	Whole body element composition of Atlantic salmon <i>Salmo salar</i> influenced by migration direction and life stage in three distinct populations. <i>Journal of Fish Biology</i> , 2016, 89, 2365-2374.	0.7	4
56	Modelling the spatial-temporal distributions and associated determining factors of a keystone pelagic fish. <i>ICES Journal of Marine Science</i> , 2020, 77, 2776-2789.	1.2	4
57	Temporal variation and its drivers in the elemental traits of four boreal plant species. <i>Journal of Plant Ecology</i> , 2021, 14, 398-413.	1.2	4
58	Interactive effects of nutrient enrichment and the manipulation of intermediate hosts by parasites on infection prevalence and food web structure. <i>Ecological Modelling</i> , 2012, 228, 1-7.	1.2	3
59	Legislative correlates of the size and number of protected areas in Canadian jurisdictions. <i>Biological Conservation</i> , 2015, 191, 375-382.	1.9	3
60	Evaluating forest restoration strategies after herbivore overbrowsing. <i>Forest Ecology and Management</i> , 2021, 482, 118827.	1.4	3
61	Incongruent drivers of network, species and interaction persistence in food webs. <i>Oikos</i> , 2021, 130, 1726-1738.	1.2	3
62	Boreal Forest, Canada. , 2012, , 69-79.		2
63	Individual snowshoe hares manage risk differently: integrating stoichiometric distribution models and foraging ecology. <i>Journal of Mammalogy</i> , 2022, 103, 196-208.	0.6	2
64	Frugivore zoogeochemistry in tropical forest ecosystems. <i>Functional Ecology</i> , 2021, 35, 304-305.	1.7	1
65	Spatially explicit correlates of plant functional traits inform landscape patterns of resource quality. <i>Landscape Ecology</i> , 0, , 1.	1.9	1
66	In defense of elemental currencies: can ecological stoichiometry stand as a framework for terrestrial herbivore nutritional ecology?. <i>Oecologia</i> , 2022, , 1.	0.9	1
67	Comparing Global and Regional Maps of Intactness in the Boreal Region of North America: Implications for Conservation Planning in One of the World's Remaining Wilderness Areas. <i>Frontiers in Forests and Global Change</i> , 2022, 5, .	1.0	0
68	Conservation planning integrating natural disturbances: Estimating minimum reserve sizes for an insect disturbance in the boreal forest of eastern Canada. <i>PLoS ONE</i> , 2022, 17, e0268236.	1.1	0