

Lenore Fahrig

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.

226
papers

27,358
citations

76
h-index

164
g-index

233
ext. papers

30,971
ext. citations

4.7
avg, IF

7.87
L-index

#	Paper	IF	Citations
226	Effects of Habitat Fragmentation on Biodiversity. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2003 , 34, 487-515	13.5	4310
225	Connectivity Is a Vital Element of Landscape Structure. <i>Oikos</i> , 1993 , 68, 571	4	1302
224	Landscape moderation of biodiversity patterns and processes - eight hypotheses. <i>Biological Reviews</i> , 2012 , 87, 661-85	13.5	1121
223	Functional landscape heterogeneity and animal biodiversity in agricultural landscapes. <i>Ecology Letters</i> , 2011 , 14, 101-12	10	974
222	On the usage and measurement of landscape connectivity. <i>Oikos</i> , 2000 , 90, 7-19	4	730
221	Conservation of Fragmented Populations. <i>Conservation Biology</i> , 1994 , 8, 50-59	6	715
220	How much habitat is enough?. <i>Biological Conservation</i> , 2001 , 100, 65-74	6.2	692
219	Rethinking patch size and isolation effects: the habitat amount hypothesis. <i>Journal of Biogeography</i> , 2013 , 40, 1649-1663	4.1	659
218	Effects of Roads on Animal Abundance: an Empirical Review and Synthesis. <i>Ecology and Society</i> , 2009 , 14,	4.1	652
217	Relative Effects of Habitat Loss and Fragmentation on Population Extinction. <i>Journal of Wildlife Management</i> , 1997 , 61, 603	1.9	617
216	HABITAT LOSS AND POPULATION DECLINE: A META-ANALYSIS OF THE PATCH SIZE EFFECT. <i>Ecology</i> , 1998 , 79, 517-533	4.6	546
215	Habitat Patch Connectivity and Population Survival. <i>Ecology</i> , 1985 , 66, 1762-1768	4.6	474
214	Ecological Responses to Habitat Fragmentation Per Se. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2017 , 48, 1-23	13.5	431
213	Non-optimal animal movement in human-altered landscapes. <i>Functional Ecology</i> , 2007 , 21, 1003-1015	5.6	413
212	A checklist for ecological management of landscapes for conservation. <i>Ecology Letters</i> , 2008 , 11, 78-91	10	409
211	Effect of road traffic on amphibian density. <i>Biological Conservation</i> , 1995 , 73, 177-182	6.2	384
210	INDEPENDENT EFFECTS OF FOREST COVER AND FRAGMENTATION ON THE DISTRIBUTION OF FOREST BREEDING BIRDS 1999 , 9, 586-593		290

209	Are ecologists conducting research at the optimal scale?. <i>Global Ecology and Biogeography</i> , 2015 , 24, 52-63	6.1	284
208	Determining the Spatial Scale of Species' Response to Habitat. <i>BioScience</i> , 2004 , 54, 227	5.7	270
207	Predicting Invasiveness of Plant Species Based on Biological Information. <i>Conservation Biology</i> , 1999 , 13, 422-426	6	270
206	On the hope for biodiversity-friendly tropical landscapes. <i>Trends in Ecology and Evolution</i> , 2013 , 28, 462-80.9	6.0	267
205	When does fragmentation of breeding habitat affect population survival?. <i>Ecological Modelling</i> , 1998 , 105, 273-292	3	252
204	Predicting when animal populations are at risk from roads: an interactive model of road avoidance behavior. <i>Ecological Modelling</i> , 2005 , 185, 329-348	3	252
203	DISPERSAL DISTANCE OF MAMMALS IS PROPORTIONAL TO HOME RANGE SIZE. <i>Ecology</i> , 2002 , 83, 2049-2055	4.6	252
202	LANDSCAPE COMPLEMENTATION AND METAPOPULATION EFFECTS ON LEOPARD FROG POPULATIONS. <i>Ecology</i> , 2000 , 81, 2498-2508	4.6	239
201	Effect of Road Traffic on Two Amphibian Species of Differing Vagility. <i>Conservation Biology</i> , 2001 , 15, 1071-1078	6	238
200	How should we measure landscape connectivity?. <i>Landscape Ecology</i> , 2000 , 15, 633-641	4.3	237
199	Confronting collinearity: comparing methods for disentangling the effects of habitat loss and fragmentation. <i>Landscape Ecology</i> , 2009 , 24, 1271-1285	4.3	218
198	What size is a biologically relevant landscape?. <i>Landscape Ecology</i> , 2012 , 27, 929-941	4.3	216
197	Farmlands with smaller crop fields have higher within-field biodiversity. <i>Agriculture, Ecosystems and Environment</i> , 2015 , 200, 219-234	5.7	199
196	Is habitat fragmentation bad for biodiversity?. <i>Biological Conservation</i> , 2019 , 230, 179-186	6.2	181
195	Using patch isolation metrics to predict animal movement in binary landscapes. <i>Landscape Ecology</i> , 2003 , 18, 17-39	4.3	170
194	MATRIX STRUCTURE OBSCURES THE RELATIONSHIP BETWEEN INTERPATCH MOVEMENT AND PATCH SIZE AND ISOLATION. <i>Ecology</i> , 2005 , 86, 1023-1033	4.6	168
193	A large-scale forest fragmentation experiment: the Stability of Altered Forest Ecosystems Project. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011 , 366, 3292-302	5.8	165
192	Landscape connectivity: a return to the basics29-43		159

191	Increasing crop heterogeneity enhances multitrophic diversity across agricultural regions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 16442-16447	11.5	157
190	Do species life history traits explain population responses to roads? A meta-analysis. <i>Biological Conservation</i> , 2012 , 147, 87-98	6.2	157
189	How does landscape structure influence landscape connectivity?. <i>Oikos</i> , 2002 , 99, 552-570	4	143
188	Response of generalist and specialist insect herbivores to landscape spatial structure. <i>Landscape Ecology</i> , 1997 , 12, 185-197	4.3	140
187	Relative importance of spatial and temporal scales in a patchy environment. <i>Theoretical Population Biology</i> , 1992 , 41, 300-314	1.2	138
186	Response of predators to loss and fragmentation of prey habitat: a review of theory. <i>Ecology</i> , 2006 , 87, 1086-93	4.6	137
185	Landscape size affects the relative importance of habitat amount, habitat fragmentation, and matrix quality on forest birds. <i>Ecography</i> , 2011 , 34, 103-113	6.5	136
184	What determines the spatial extent of landscape effects on species?. <i>Landscape Ecology</i> , 2016 , 31, 1177-1194	4.394	134
183	Effects of Road Fencing on Population Persistence. <i>Conservation Biology</i> , 2004 , 18, 1651-1657	6	134
182	Do small mammals avoid roads because of the traffic?. <i>Journal of Applied Ecology</i> , 2007 , 45, 117-123	5.8	133
181	The relative effects of road traffic and forest cover on anuran populations. <i>Biological Conservation</i> , 2008 , 141, 35-46	6.2	128
180	Relative effects of road mortality and decreased connectivity on population genetic diversity. <i>Biological Conservation</i> , 2011 , 144, 3143-3148	6.2	124
179	Measures to reduce population fragmentation by roads: what has worked and how do we know?. <i>Trends in Ecology and Evolution</i> , 2012 , 27, 374-80	10.9	116
178	Effect of Spatial Arrangement of Habitat Patches on Local Population Size. <i>Ecology</i> , 1988 , 69, 468-475	4.6	114
177	Evaluation of patch isolation metrics in mosaic landscapes for specialist vs. generalist dispersers. <i>Landscape Ecology</i> , 2003 , 18, 41-50	4.3	112
176	Impact of landscape composition and configuration on forest specialist and generalist bird species in the fragmented Lacandona rainforest, Mexico. <i>Biological Conservation</i> , 2015 , 184, 117-126	6.2	111
175	How Effective Is Road Mitigation at Reducing Road-Kill? A Meta-Analysis. <i>PLoS ONE</i> , 2016 , 11, e0166941	3.7	111
174	Designing optimal human-modified landscapes for forest biodiversity conservation. <i>Ecology Letters</i> , 2020 , 23, 1404-1420	10	110

173	Evaluating the effectiveness of road mitigation measures. <i>Biodiversity and Conservation</i> , 2013 , 22, 425-448	4.8	108
172	Are the negative effects of roads on breeding birds caused by traffic noise?. <i>Journal of Applied Ecology</i> , 2011 , 48, 1527-1534	5.8	100
171	Positive effects of forest fragmentation, independent of forest amount, on bat abundance in eastern Ontario, Canada. <i>Landscape Ecology</i> , 2011 , 26, 865-876	4.3	100
170	Quantifying the Road-Effect Zone: Threshold Effects of a Motorway on Anuran Populations in Ontario, Canada. <i>Ecology and Society</i> , 2009 , 14,	4.1	99
169	Raccoon Habitat Use at 2 Spatial Scales. <i>Journal of Wildlife Management</i> , 1997 , 61, 102	1.9	97
168	Determinants of local population size in patchy habitats. <i>Theoretical Population Biology</i> , 1988 , 34, 194-213	1.3	96
167	Landscape configurational heterogeneity by small-scale agriculture, not crop diversity, maintains pollinators and plant reproduction in western Europe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	94
166	The advantage of long-distance clonal spreading in highly disturbed habitats. <i>Evolutionary Ecology</i> , 1994 , 8, 172-187	1.8	94
165	Accessible habitat: an improved measure of the effects of habitat loss and roads on wildlife populations. <i>Landscape Ecology</i> , 2008 , 23, 159-168	4.3	91
164	Effect of woody borders on insect density and diversity in crop fields: a landscape-scale analysis. <i>Agriculture, Ecosystems and Environment</i> , 2000 , 78, 115-122	5.7	91
163	A species-centered approach for uncovering generalities in organism responses to habitat loss and fragmentation. <i>Ecography</i> , 2014 , 37, 517-527	6.5	87
162	The Rauschholzhausen Agenda for Road Ecology. <i>Ecology and Society</i> , 2007 , 12,	4.1	86
161	Patch Size and Population Density: the Effect of Immigration Behavior. <i>Ecology and Society</i> , 2002 , 6,		86
160	Sub-optimal study design has major impacts on landscape-scale inference. <i>Biological Conservation</i> , 2011 , 144, 298-305	6.2	85
159	Effect of landscape context on anuran communities in breeding ponds in the National Capital Region, Canada. <i>Landscape Ecology</i> , 2007 , 22, 205-215	4.3	85
158	Measuring and selecting scales of effect for landscape predictors in species-habitat models 2012 , 22, 2277-92		81
157	Sorghum [<i>Sorghum bicolor</i> (L.) Moench] landrace variation and classification in North Shewa and South Welo, Ethiopia. <i>Euphytica</i> , 1997 , 97, 255-263	2.1	81
156	Importance of patch scale vs landscape scale on selected forest birds. <i>Oikos</i> , 2002 , 96, 110-118	4	81

155	Plasticity in the vocalizations of anurans in response to traffic noise. <i>Acta Oecologica</i> , 2010 , 36, 463-470	1.7	80
154	Optimizing landscape selection for estimating relative effects of landscape variables on ecological responses. <i>Landscape Ecology</i> , 2013 , 28, 371-383	4.3	79
153	Body size affects the spatial scale of habitatBeetle interactions. <i>Oikos</i> , 2005 , 110, 101-108	4	78
152	Landscape structure influences continental distribution of hantavirus in deer mice. <i>Landscape Ecology</i> , 2001 , 16, 255-266	4.3	78
151	Effects of habitat loss, habitat configuration and matrix composition on declining wetland species. <i>Biological Conservation</i> , 2013 , 160, 200-208	6.2	76
150	Effects of surrounding urbanization on non-native flora in small forest patches. <i>Landscape Ecology</i> , 2007 , 22, 589-599	4.3	74
149	Habitat Availability Causes the Species Abundance-Distribution Relationship. <i>Oikos</i> , 1996 , 76, 564	4	74
148	Habitat amount, not habitat configuration, best predicts population genetic structure in fragmented landscapes. <i>Landscape Ecology</i> , 2016 , 31, 951-968	4.3	73
147	Effect of landscape structure on the movement behaviour of a specialized goldenrod beetle, <i>Trirhabda borealis</i> . <i>Canadian Journal of Zoology</i> , 2002 , 80, 24-35	1.5	73
146	Spatial characteristics of habitat patches and population survival. <i>Ecological Modelling</i> , 1985 , 30, 297-308		69
145	Assessing Habitat Fragmentation Effects on Primates: The Importance of Evaluating Questions at the Correct Scale 2013 , 13-28		69
144	Support for the habitat amount hypothesis from a global synthesis of species density studies. <i>Ecology Letters</i> , 2020 , 23, 674-681	10	67
143	New policy directions for global pond conservation. <i>Conservation Letters</i> , 2018 , 11, e12447	6.9	63
142	Effect of Habitat Patch Characteristics on Abundance and Diversity of Insects in an Agricultural Landscape. <i>Ecosystems</i> , 1998 , 1, 197-205	3.9	62
141	Do birds and beetles show similar responses to urbanization? 2011 , 21, 2297-312		61
140	Maintenance of sorghum (<i>sorghum bicolor</i> , poaceae) landrace diversity by farmers selection in Ethiopia. <i>Economic Botany</i> , 1999 , 53, 79-88	1.7	61
139	Why do several small patches hold more species than few large patches?. <i>Global Ecology and Biogeography</i> , 2020 , 29, 615-628	6.1	59
138	A transient, positive effect of habitat fragmentation on insect population densities. <i>Oecologia</i> , 2004 , 141, 444-51	2.9	59

137	Testing the habitat amount hypothesis for South American small mammals. <i>Biological Conservation</i> , 2017 , 209, 304-314	6.2	58
136	Does forest fragmentation cause an increase in forest temperature?. <i>Ecological Research</i> , 2017 , 32, 81-88.9		58
135	Targets for maintenance of dead wood for biodiversity conservation based on extinction thresholds. <i>Scandinavian Journal of Forest Research</i> , 2006 , 21, 201-208	1.7	58
134	Why is a landscape perspective important in studies of primates?. <i>American Journal of Primatology</i> , 2014 , 76, 901-9	2.5	57
133	Effect of road density on abundance of white-footed mice. <i>Landscape Ecology</i> , 2007 , 22, 1501-1512	4.3	57
132	On the use of connectivity measures in spatial ecology. A reply. <i>Oikos</i> , 2001 , 95, 152-155	4	57
131	Short-term response of ground beetles (Coleoptera: Carabidae) to fire and logging in a spruce-dominated boreal landscape. <i>Forest Ecology and Management</i> , 2005 , 212, 118-126	3.9	56
130	Focal patch landscape studies for wildlife management: Optimizing sampling effort across scales 2002 , 68-91		56
129	Habitat fragmentation: A long and tangled tale. <i>Global Ecology and Biogeography</i> , 2019 , 28, 33-41	6.1	56
128	An experimental test of the habitat-amount hypothesis for saproxylic beetles in a forested region. <i>Ecology</i> , 2017 , 98, 1613-1622	4.6	54
127	EFFECT OF REPRODUCTIVE RATE ON MINIMUM HABITAT REQUIREMENTS OF FOREST-BREEDING BIRDS. <i>Ecology</i> , 2003 , 84, 2643-2653	4.6	53
126	Reconsidering the role of semi-natural habitat in agricultural landscape biodiversity: a case study. <i>Ecological Research</i> , 2015 , 30, 75-83	1.9	52
125	Effects of landscape structure on butterfly species richness and abundance in agricultural landscapes in eastern Ontario, Canada. <i>Agriculture, Ecosystems and Environment</i> , 2012 , 156, 123-133	5.7	52
124	Reproductive rate and body size predict road impacts on mammal abundance 2011 , 21, 589-600		51
123	When road-kill hotspots do not indicate the best sites for road-kill mitigation. <i>Journal of Applied Ecology</i> , 2017 , 54, 1544-1551	5.8	49
122	Landscape context affects genetic diversity at a much larger spatial extent than population abundance. <i>Ecology</i> , 2014 , 95, 871-81	4.6	49
121	Why are some animal populations unaffected or positively affected by roads?. <i>Oecologia</i> , 2013 , 173, 1143-56	4.5	49
120	Evidence of large-scale source-sink dynamics and long-distance dispersal among Wood Thrush populations. <i>Ecology</i> , 2006 , 87, 3029-36	4.6	49

119	Movement Patterns of Eastern Chipmunks (<i>Tamias striatus</i>) Near Roads. <i>Journal of Mammalogy</i> , 2008 , 89, 895-903	1.8	48
118	Behavioral Responses of Northern Leopard Frogs (<i>Rana pipiens</i>) to Roads and Traffic: Implications for Population Persistence. <i>Ecology and Society</i> , 2009 , 14,	4.1	47
117	Experimental study designs to improve the evaluation of road mitigation measures for wildlife. <i>Journal of Environmental Management</i> , 2015 , 154, 48-64	7.9	45
116	EFFECT OF HABITAT FRAGMENTATION ON THE EXTINCTION THRESHOLD: A SYNTHESIS* 2002 , 12, 346-353		45
115	How far do songbirds disperse?. <i>Ecography</i> , 2009 , 32, 1051-1061	6.5	44
114	The Impacts of Roads and Traffic on Terrestrial Animal Populations 2015 , 237-246		43
113	Habitat loss decreases predator-prey ratios in a pine-bark beetle system. <i>Oikos</i> , 2005 , 110, 265-270	4	42
112	Mechanisms Affecting Population Density in Fragmented Habitat. <i>Ecology and Society</i> , 2005 , 10,	4.1	42
111	Gap crossing by chipmunks: an experimental test of landscape connectivity. <i>Canadian Journal of Zoology</i> , 2002 , 80, 1556-1561	1.5	42
110	Landscape pattern and population conservation 1995 , 293-308		42
109	Predator Stomachs as Sampling Tools for Prey Distribution: Atlantic Cod (<i>Gadus morhua</i>) and Capelin (<i>Mallotus villosus</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1993 , 50, 1541-1547	2.4	41
108	Measuring protected-area isolation and correlations of isolation with land-use intensity and protection status. <i>Conservation Biology</i> , 2012 , 26, 610-8	6	40
107	Farmland heterogeneity benefits bats in agricultural landscapes. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 253, 131-139	5.7	39
106	Responses of anurans to composition and configuration of agricultural landscapes. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 239, 399-409	5.7	38
105	Diet and body size of North American mammal road mortalities. <i>Transportation Research, Part D: Transport and Environment</i> , 2007 , 12, 498-505	6.4	37
104	A global assessment of primate responses to landscape structure. <i>Biological Reviews</i> , 2019 , 94, 1605-1618	3.5	36
103	The trade-off between housing density and sprawl area: Minimising impacts to forest breeding birds. <i>Basic and Applied Ecology</i> , 2010 , 11, 723-733	3.2	36
102	Edge effects created by wildfire and clear-cutting on boreal forest ground-dwelling spiders. <i>Forest Ecology and Management</i> , 2008 , 255, 1434-1445	3.9	36

101	Effects of a recent wildfire and clearcuts on ground-dwelling boreal forest spider assemblages. <i>Canadian Journal of Forest Research</i> , 2005 , 35, 2575-2588	1.9	36
100	Influence of crop type, heterogeneity and woody structure on avian biodiversity in agricultural landscapes. <i>Ecological Indicators</i> , 2017 , 83, 218-226	5.8	34
99	Potential net effects of climate change on High Arctic Peary caribou: Lessons from a spatially explicit simulation model. <i>Ecological Modelling</i> , 2007 , 207, 85-98	3	34
98	A simple landscape design framework for biodiversity conservation. <i>Landscape and Urban Planning</i> , 2015 , 136, 13-27	7.7	33
97	Predicting species diversity in agricultural environments using Landsat TM imagery. <i>Remote Sensing of Environment</i> , 2014 , 144, 214-225	13.2	33
96	When is a landscape perspective important? 2005 , 3-10		33
95	Population Ecology in Spatially Heterogeneous Environments 2005 , 95-118		33
94	Traditional farmers' knowledge of sorghum (<i>sorghum bicolor</i> [Poaceae]) landrace storability in Ethiopia. <i>Economic Botany</i> , 1999 , 53, 69-78	1.7	33
93	A comparison of patch connectivity measures using data on invertebrates in hollow oaks. <i>Ecography</i> , 2010 , 33, 971-978	6.5	32
92	Detecting human-driven deviations from trajectories in landscape composition and configuration. <i>Landscape Ecology</i> , 2010 , 25, 1479-1487	4.3	32
91	Influence of canopy cover and amount of open habitat in the surrounding landscape on proportion of alien plant species in forest sites 11 Associate Editor: Gilles Houle.. <i>Ecoscience</i> , 2004 , 11, 278-281	1.1	30
90	A general model of populations in patchy habitats. <i>Applied Mathematics and Computation</i> , 1988 , 27, 53-66	7	30
89	Effects of farmland heterogeneity on biodiversity are similar to or even larger than the effects of farming practices. <i>Agriculture, Ecosystems and Environment</i> , 2020 , 288, 106698	5.7	30
88	Can anthropogenic linear gaps increase plant abundance and diversity?. <i>Landscape Ecology</i> , 2016 , 31, 721-729	4.3	29
87	Road kill hotspots do not effectively indicate mitigation locations when past road kill has depressed populations. <i>Journal of Wildlife Management</i> , 2013 , 77, 1353-1359	1.9	29
86	Interpatch dispersal of the cabbage butterfly. <i>Canadian Journal of Zoology</i> , 1987 , 65, 616-622	1.5	29
85	Predicting spatial occurrence of beetles and pseudoscorpions in hollow oaks in southeastern Sweden. <i>Biodiversity and Conservation</i> , 2011 , 20, 2027-2040	3.4	28
84	Relative effects of landscape composition and configuration on multi-habitat gamma diversity in agricultural landscapes. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 241, 62-69	5.7	27

83	Relative effects of landscape-scale wetland amount and landscape matrix quality on wetland vertebrates: a 'meta-analysis 2015 , 25, 812-25		26
82	Effects of time since urbanization on anuran community composition in remnant urban ponds. <i>Environmental Conservation</i> , 2010 , 37, 128-135	3.3	26
81	When to monitor and when to act: Value of information theory for multiple management units and limited budgets. <i>Journal of Applied Ecology</i> , 2018 , 55, 2102-2113	5.8	25
80	Just a hypothesis: a reply to Hanski. <i>Journal of Biogeography</i> , 2015 , 42, 993-994	4.1	25
79	On Succession in A Saxicolous Lichen Community. <i>Lichenologist</i> , 1985 , 17, 167-172	1.1	25
78	Configurational crop heterogeneity increases within-field plant diversity. <i>Journal of Applied Ecology</i> , 2020 , 57, 654-663	5.8	24
77	Intra-Specific Abundance-Distribution Relationships. <i>Oikos</i> , 1998 , 82, 483	4	24
76	How to quantify a distance-dependent landscape effect on a biological response. <i>Methods in Ecology and Evolution</i> , 2017 , 8, 1717-1724	7.7	23
75	The scale of effect of landscape context varies with the species response variable measured. <i>Landscape Ecology</i> , 2019 , 34, 703-715	4.3	23
74	Low reproductive rate predicts species sensitivity to habitat loss: a meta-analysis of wetland vertebrates. <i>PLoS ONE</i> , 2014 , 9, e90926	3.7	22
73	Mate attraction by male anurans in the presence of traffic noise. <i>Animal Conservation</i> , 2013 , 16, 275-285	3.2	22
72	Habitat specialist birds disperse farther and are more migratory than habitat generalist birds. <i>Ecology</i> , 2018 , 99, 2058-2066	4.6	21
71	Landscape heterogeneity and metapopulation dynamics		21
70	Effect of Habitat Fragmentation on the Extinction Threshold: A Synthesis 2002 , 12, 346		21
69	Carbon and nitrogen stable isotope ratios differ among invertebrates from field crops, forage crops, and non-cropped land uses. <i>Ecoscience</i> , 2011 , 18, 98-109	1.1	20
68	Fecundity determines the extinction threshold in a Canadian assemblage of longhorned beetles (Coleoptera: Cerambycidae). <i>Journal of Insect Conservation</i> , 2005 , 9, 109-119	2.1	20
67	Testing for Habitat Detection Distances Using Orientation Data. <i>Oikos</i> , 1999 , 84, 160	4	20
66	Does traffic noise alter calling time in frogs and toads? A case study of anurans in Eastern Ontario, Canada. <i>Urban Ecosystems</i> , 2014 , 17, 945-953	2.8	18

65	Simulation Methods for Developing General Landscape-Level Hypotheses of Single-Species Dynamics. <i>Ecological Studies</i> , 1991 , 417-442	1.1	18
64	Culverts alone do not reduce road mortality in anurans. <i>Ecoscience</i> , 2014 , 21, 69-78	1.1	17
63	The Trade-off Between Housing Density and Sprawl Area: Minimizing Impacts to Carabid Beetles (Coleoptera: Carabidae). <i>Ecology and Society</i> , 2010 , 15,	4.1	17
62	Response of Forest Understory Vegetation to a Major Ice Storm. <i>Journal of the Torrey Botanical Society</i> , 2004 , 131, 45	0.5	17
61	Impacts of Landscape Transformation by Roads 2002 , 225-243		17
60	Different Anuran Species Show Different Relationships to Agricultural Intensity. <i>Wetlands</i> , 2016 , 36, 731-744	1.7	16
59	From forest and agro-ecosystems to the microecosystems of the human body: what can landscape ecology tell us about tumor growth, metastasis, and treatment options?. <i>Evolutionary Applications</i> , 2013 , 6, 82-91	4.8	16
58	Crown Loss and Subsequent Branch Sprouting of Forest Trees in Response to a Major Ice Storm. <i>Journal of the Torrey Botanical Society</i> , 2004 , 131, 169	0.5	16
57	Similar effects of residential and non-residential vegetation on bird diversity in suburban neighbourhoods. <i>Urban Ecosystems</i> , 2014 , 17, 27-44	2.8	15
56	Influence of traffic mortality on forest bird abundance. <i>Biodiversity and Conservation</i> , 2015 , 24, 1507-1529	3.4	15
55	Local vs. Landscape Effects of Woody Field Borders as Barriers to Crop Pest Movement. <i>Ecology and Society</i> , 1998 , 2,		15
54	Positive effects of roads on small mammals: a test of the predation release hypothesis. <i>Ecological Research</i> , 2015 , 30, 651-662	1.9	14
53	Do roads reduce painted turtle (<i>Chrysemys picta</i>) populations?. <i>PLoS ONE</i> , 2014 , 9, e98414	3.7	13
52	Relative effects of vehicle pollution, moisture and colonization sources on urban lichens. <i>Journal of Applied Ecology</i> , 2012 , 49, 1467-1474	5.8	13
51	Landscape context is more important than wetland buffers for farmland amphibians. <i>Agriculture, Ecosystems and Environment</i> , 2019 , 269, 97-106	5.7	13
50	Flying insect abundance declines with increasing road traffic. <i>Insect Conservation and Diversity</i> , 2018 , 11, 608-613	3.8	13
49	Effect of paved road density on abundance of white-tailed deer. <i>Wildlife Research</i> , 2012 , 39, 478	1.8	12
48	Modeling density dependence and climatic disturbances in caribou: a case study from the Bathurst Island complex, Canadian High Arctic. <i>Journal of Zoology</i> , 2007 , 272, 209-217	2	12

47	Reconciling contradictory relationships between mobility and extinction risk in human-altered landscapes. <i>Functional Ecology</i> , 2016 , 30, 1558-1567	5.6	12
46	Disentangling the effects of wetland cover and urban development on quality of remaining wetlands. <i>Urban Ecosystems</i> , 2015 , 18, 663-684	2.8	11
45	Bats respond negatively to increases in the amount and homogenization of agricultural land cover. <i>Landscape Ecology</i> , 2019 , 34, 1889-1903	4.3	10
44	Movement of small mammals across divided highways with vegetated medians. <i>Canadian Journal of Zoology</i> , 2011 , 89, 1214-1222	1.5	10
43	The spatial scale of time-lagged population synchrony increases with species dispersal distance. <i>Global Ecology and Biogeography</i> , 2017 , 26, 1201-1210	6.1	9
42	Higher bat and prey abundance at organic than conventional soybean fields. <i>Biological Conservation</i> , 2018 , 226, 177-185	6.2	9
41	Habitat Loss and Fragmentation 2013 , 50-58		9
40	Foraging habitat and diet of Song Sparrows (<i>Melospiza melodia</i>) nesting in farmland: a stable isotope approach. <i>Canadian Journal of Zoology</i> , 2012 , 90, 1339-1350	1.5	9
39	Matrix quality and disturbance frequency drive evolution of species behavior at habitat boundaries. <i>Ecology and Evolution</i> , 2015 , 5, 5792-800	2.8	8
38	EFFECT OF FISH MOVEMENT AND FLEET SPATIAL BEHAVIOR ON MANAGEMENT OF FISH SUBSTOCKS. <i>Natural Resource Modelling</i> , 1993 , 7, 37-56	1.2	8
37	Inference in road ecology research: what we know versus what we think we know. <i>Biology Letters</i> , 2020 , 16, 20200140	3.6	8
36	Avoiding wasted research resources in conservation science. <i>Conservation Science and Practice</i> , 2021 , 3, e329	2.2	8
35	The homogenizing influence of agriculture on forest bird communities at landscape scales. <i>Landscape Ecology</i> , 2019 , 34, 2385-2399	4.3	7
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33	Life in the slow drain: Landscape structure affects farm ditch water quality. <i>Science of the Total Environment</i> , 2019 , 656, 1157-1167	10.2	7
32	Local habitat association does not inform landscape management of threatened birds. <i>Landscape Ecology</i> , 2019 , 34, 1313-1327	4.3	6
31	Birds in cultural landscapes: actual and perceived differences between northeastern North America and western Europe 481-515		6
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28	Bridging research and practice in conservation. <i>Conservation Biology</i> , 2021 , 35, 1725-1737	6	6
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26	How to rescue Ontario's Endangered Species Act: a biologist's perspective. <i>Facets</i> , 2020 , 5, 423-431	2.3	5
25	Population Stability in a Patchy Environment. <i>Developments in Environmental Modelling</i> , 1983 , 5, 61-67	0	5
24	What the habitat amount hypothesis does and does not predict: A reply to Saura. <i>Journal of Biogeography</i> , 2021 , 48, 1530-1535	4.1	5
23	Reduced human activity during COVID-19 alters avian land use across North America. <i>Science Advances</i> , 2021 , 7, eabf5073	14.3	5
22	Testing Holling's textural-discontinuity hypothesis. <i>Journal of Biogeography</i> , 2008 , 35, 2149-2150	4.1	4
21	LANDSCAPE COMPLEMENTATION AND METAPOPULATION EFFECTS ON LEOPARD FROG POPULATIONS 2000 , 81, 2498		4
20	Bird Diversity Unconsciously Increases People's Satisfaction with Where They Live. <i>Land</i> , 2021 , 10, 153	3.5	4
19	Resolving the SLOSS dilemma for biodiversity conservation: a research agenda. <i>Biological Reviews</i> , 2021 ,	13.5	4
18	A small-scale response of urban bat activity to tree cover. <i>Urban Ecosystems</i> , 2019 , 22, 795-805	2.8	3
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16	Forty years of bias in habitat fragmentation research 2017 ,		3
15	The influence of landscape context on short- and long-term forest change following a severe ice storm. <i>Journal of Ecology</i> , 2020 , 108, 224-238	6	3
14	The disproportionately high value of small patches for biodiversity conservation. <i>Conservation Letters</i> ,	6.9	3
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12	Wetland buffers are no substitute for landscape-scale conservation. <i>Ecosphere</i> , 2019 , 10, e02661	3.1	2

11	Habitat Fragmentation 2017 , 1-10		2
10	Higher nestling food biomass in organic than conventional soybean fields in eastern Ontario, Canada. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 189, 199-205	5.7	2
9	Effects of Vegetation Type and Adjacent Agricultural Matrix on Fencerow Use by Small Mammals: A Nonmanipulative Experiment 1999 , 249-260		2
8	LANDSCAPE COMPLEMENTATION AND METAPOPULATION EFFECTS ON LEOPARD FROG POPULATIONS 2000 , 81, 2498		2
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5	How the relationship between vegetation cover and land-cover variance constrains biodiversity in a human dominated world. <i>Landscape Ecology</i> , 2021 , 36, 3097-3104	4.3	1
4	Management diversity begets biodiversity in production forest landscapes. <i>Biological Conservation</i> , 2022 , 268, 109514	6.2	1
3	Abundance of aerially-dispersing spiders declines with increasing road traffic. <i>Ecoscience</i> , 2019 , 26, 383-388		0
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