Roland Jansson

List of Publications by Citations

69 papers	5,228 citations	38 h-index	72 g-index
96 ext. papers	5,943 ext. citations	5.7 avg, IF	5.92 L-index

#	Paper	IF	Citations
69	Reducing redundancy in invasion ecology by integrating hypotheses into a single theoretical framework. *Diversity and Distributions*, **2009**, 15, 22-40	5	659
68	Evolutionary consequences of changes in species' geographical distributions driven by Milankovitch climate oscillations. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 9115-20	11.5	645
67	The role of hydrochory in structuring riparian and wetland vegetation. *Biological Reviews*, **2010**, 85, 837-58	13.5	292
66	The Fate of Clades in a World of Recurrent Climatic Change: Milankovitch Oscillations and Evolution. *Annual Review of Ecology, Evolution, and Systematics*, **2002**, 33, 741-777		265
65	Global patterns in endemism explained by past climatic change. *Proceedings of the Royal Society B: Biological Sciences*, **2003**, 270, 583-90	4.4	246
64	Long-Term Responses of River-Margin Vegetation to Water-Level Regulation. *Science*, **1997**, 276, 798-800	33.3	187
63	EFFECTS OF RIVER REGULATION ON RIVER-MARGIN VEGETATION: A COMPARISON OF EIGHT BOREAL RIVERS **2000**, 10, 203-224		175
62	Effects of hydropower generation and opportunities for environmental flow management in Swedish riverine ecosystems. *Freshwater Biology*, **2010**, 55, 49-67	3.1	147
61	FRAGMENTATION OF RIPARIAN FLORAS IN RIVERS WITH MULTIPLE DAMS. *Ecology*, **2000**, 81, 899-903	4.6	131
60	Hydrochory increases riparian plant species richness: a comparison between a free-flowing and a regulated river. *Journal of Ecology*, **2005**, 93, 1094-1103	6	126
59	A Comparison of Species Richness and Traits of Riparian Plants between a Main River Channel and Its Tributaries. *Journal of Ecology*, **1994**, 82, 281	6	126
58	Forecasting Environmental Responses to Restoration of Rivers Used as Log Floatways: An Interdisciplinary Challenge. *Ecosystems*, **2005**, 8, 779-800	3.9	118
57	Towards optimizing riparian buffer zones: Ecological and biogeochemical implications for forest management. *Forest Ecology and Management*, **2014**, 334, 74-84	3.9	105
56	Restoring freshwater ecosystems in riverine landscapes: the roles of connectivity and recovery processes. *Freshwater Biology*, **2007**, 52, 589-596	3.1	104
55	Global variation in diversification rates of flowering plants: energy vs. climate change. *Ecology Letters*, **2008**, 11, 173-83	10	99
54	What can multiple phylogenies say about the latitudinal diversity gradient? A new look at the tropical conservatism, out of the tropics, and diversification rate hypotheses. *Evolution; International Journal of Organic Evolution*, **2013**, 67, 1741-55	3.8	89
53	Floristic differences between riparian corridors of regulated and free-flowing boreal rivers. *River Research and Applications*, **1995**, 11, 55-66		87

52	Drowned, buried and carried away: effects of plant traits on the distribution of native and alien species in riparian ecosystems. *New Phytologist*, **2014**, 204, 19-36	9.8	80
51	Stating mechanisms and refining criteria for ecologically successful river restoration: a comment on Palmer et al. (2005). *Journal of Applied Ecology*, **2005**, 42, 218-222	5.8	80
50	The Latitudinal Diversity Gradient: Novel Understanding through Mechanistic Eco-evolutionary Models. *Trends in Ecology and Evolution*, **2019**, 34, 211-223	10.9	78
49	Spatial patterns of plant invasiveness in a riparian corridor. *Landscape Ecology*, **2005**, 20, 165-176	4.3	77
48	Consequences of propagule dispersal and river fragmentation for riparian plant community diversity and turnover. *Ecological Monographs*, **2010**, 80, 609-626	9	74
47	Persistence of within-species lineages: a neglected control of speciation rates. *Evolution; International Journal of Organic Evolution*, **2014**, 68, 923-34	3.8	72
46	The effects of hydropeaking on riverine plants: a review. *Biological Reviews*, **2018**, 93, 658-673	13.5	71
45	How biotic interactions may alter future predictions of species distributions: future threats to the persistence of the arctic fox in Fennoscandia. *Diversity and Distributions*, **2012**, 18, 554-562	5	62
44	Groundwater discharge creates hotspots of riparian plant species richness in a boreal forest stream network. *Ecology*, **2014**, 95, 715-25	4.6	60
43	Cracking the Code of Biodiversity Responses to Past Climate Change. *Trends in Ecology and Evolution*, **2018**, 33, 765-776	10.9	59
42	Spatial and temporal patterns of species richness in a riparian landscape. *Journal of Biogeography*, **2005**, 32, 2025-2037	4.1	58
41	Restoring Riverine Landscapes: The Challenge of Identifying Priorities, Reference States, and Techniques. *Ecology and Society*, **2007**, 12,	4.1	57
40	Restoration of rivers used for timber floating: effects on riparian plant diversity **2007**, 17, 840-51		55
39	The usefulness of elevation as a predictor variable in species distribution modelling. *Ecological Modelling*, **2012**, 246, 86-90	3	54
38	Local and regional processes determine plant species richness in a river-network metacommunity. *Ecology*, **2015**, 96, 381-91	4.6	50
37	The importance of groundwater discharge for plant species number in riparian zones. *Ecology*, **2007** , 88, 131-9	4.6	48
36	Projected changes in plant species richness and extent of riparian vegetation belts as a result of climate-driven hydrological change along the Vindel River in Sweden. *Freshwater Biology*, **2012**, 57, 49-60	3.1	46
35	Effects of stream restoration on dispersal of plant propagules. *Journal of Applied Ecology*, **2009**, 46, 397-405	5.8	42

34	Predicting the fate of biodiversity using species distribution models: enhancing model comparability and repeatability. *PLoS ONE*, **2012**, 7, e44402	3.7	42
33	Enhanced ecosystem functioning following stream restoration: The roles of habitat heterogeneity and invertebrate species traits. *Journal of Applied Ecology*, **2018**, 55, 377-385	5.8	39
32	Responses of riparian plants to accumulation of silt and plant litter: the importance of plant traits. *Journal of Vegetation Science*, **2001**, 12, 481-490	3.1	39
31	Future climate change will favour non-specialist mammals in the (sub)arctics. *PLoS ONE*, **2012**, 7, e52574	3.7	37
30	Hydrologic effects on riparian vegetation in a boreal river: an experiment testing climate change predictions. *Global Change Biology*, **2011**, 17, 254-267	11.4	36
29	Boreal Riparian Vegetation Under Climate Change. *Ecosystems*, **2013**, 16, 401-410	3.9	35
28	INTERCONTINENTAL SIMILARITIES IN RIPARIAN-PLANT DIVERSITY AND SENSITIVITY TO RIVER REGULATION **2004**, 14, 173-191		35
27	Phytometers are underutilised for evaluating ecological restoration. *Basic and Applied Ecology*, **2013**, 14, 369-377	3.2	27
26	Relationships Between Plant Assemblages and Water Flow Across a Boreal Forest Landscape: A Comparison of Liverworts, Mosses, and Vascular Plants. *Ecosystems*, **2016**, 19, 170-184	3.9	22
25	Effects of river restoration on riparian biodiversity in secondary channels of the Pite River, Sweden. *Environmental Management*, **2012**, 49, 130-41	3.1	21
24	Future changes in the supply of goods and services from natural ecosystems: prospects for the European north. *Ecology and Society*, **2015**, 20,	4.1	19
23	Hydropeaking affects germination and establishment of riverbank vegetation. *Ecological Applications*, **2020**, 30, e02076	4.9	17
22	Root phenology unresponsive to earlier snowmelt despite advanced above-ground phenology in two subarctic plant communities. *Functional Ecology*, **2017**, 31, 1493-1502	5.6	15
21	The use of phytometers for evaluating restoration effects on riparian soil fertility. *Journal of Environmental Quality*, **2014**, 43, 1916-25	3.4	15
20	Effects of river ice on riparian vegetation. *Freshwater Biology*, **2011**, 56, 1095-1105	3.1	14
19	Restoration effects on germination and survival of plants in the riparian zone: a phytometer study. *Plant Ecology*, **2015**, 216, 465-477	1.7	12
18	Alternative transient states and slow plant community responses after changed flooding regimes. *Global Change Biology*, **2019**, 25, 1358	11.4	11
17	Vulnerability of Subarctic and Arctic breeding birds **2017**, 27, 219-234		10

List of Publications

16	Bryophyte community assembly on young land uplift islands Dispersal and habitat filtering assessed using species traits. *Journal of Biogeography*, **2019**, 46, 2188-2202	4.1	9
15	Challenges to adaptation in northernmost Europe as a result of global climate change. *Ambio*, **2010**, 39, 81-4	6.5	9
14	Invasibility of boreal wetland plant communities. *Journal of Vegetation Science*, **2014**, 25, 1078-1089	3.1	7
13	Paleodistribution modeling suggests glacial refugia in Scandinavia and out-of-Tibet range expansion of the Arctic fox. *Ecology and Evolution*, **2016**, 6, 170-80	2.8	6
12	Smaller future floods imply less habitat for riparian plants along a boreal river. *Ecological Applications*, **2019**, 29, e01977	4.9	5
11	A phytometer study evaluating the effects of stream restoration on riparian vegetation. *Ecohydrology*, **2016**, 9, 646-658	2.5	5
10	Responses of riparian plants to habitat changes following restoration of channelized streams. *Ecohydrology*, **2017**, 10, e1798	2.5	3
9	An horizon scan of biogeography. *Frontiers of Biogeography*, **2013**, 5,	2.9	3
8	Future of biodiversity in the Barents Region		3
7	Let it flow: Modeling ecological benefits and hydropower production impacts of banning zero-flow events in a large regulated river system. *Science of the Total Environment*, **2021**, 783, 147010	10.2	3
6	Restoring Colorado River Ecosystems: A Troubled Sense of Immensity R. W. Adler . 2007. Restoring Colorado River Ecosystems: A Troubled Sense of Immensity. Island Press.xxiii+. 311 15 23 cm, paperback, US$35.00. ISBN: 978-1-59726-057-2.. *Ecoscience*, **2007**, 14, 544-544	1.1	2
5	Extinction risks from climate change: macroecological and historical insights. *F1000 Biology Reports*, **2009**, 1, 44		2
4	How bird clades diversify in response to climatic and geographic factors. *Ecology Letters*, **2017**, 20, 1129-1139	10	1
3	How does a wetland plant respond to increasing temperature along a latitudinal gradient?. *Ecology and Evolution*, **2021**, 11, 16228-16238	2.8	0
2	Environmental flow scenarios for a regulated river system: projecting catchment-wide ecosystem benefits and consequences for hydroelectric production. *Water Resources Research*,e2021WR030297	5.4	0
1	Germination and seed traits in common alder (Alnus spp.): the potential contribution of rear-edge populations to ecological restoration success. *Restoration Ecology*,e13517	3.1	