

# Mats Dynesius

## 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.

47  
papers

6,546  
citations

26  
h-index

47  
g-index

47  
ext. papers

7,197  
ext. citations

5.9  
avg, IF

5.72  
L-index

#	Paper	IF	Citations
47	Fragmentation and flow regulation of the world's large river systems. <i>Science</i> , <b>2005</b> , 308, 405-8	33.3	2372
46	Fragmentation and flow regulation of river systems in the northern third of the world. <i>Science</i> , <b>1994</b> , 266, 753-62	33.3	1298
45	Evolutionary consequences of changes in species' geographical distributions driven by Milankovitch climate oscillations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 9115-20	11.5	645
44	The Fate of Clades in a World of Recurrent Climatic Change: Milankovitch Oscillations and Evolution. <i>Annual Review of Ecology, Evolution, and Systematics</i> , <b>2002</b> , 33, 741-777		265
43	EFFECTS OF RIVER REGULATION ON RIVER-MARGIN VEGETATION: A COMPARISON OF EIGHT BOREAL RIVERS <b>2000</b> , 10, 203-224		175
42	Local temperatures inferred from plant communities suggest strong spatial buffering of climate warming across Northern Europe. <i>Global Change Biology</i> , <b>2013</b> , 19, 1470-81	11.4	152
41	The PREDICTS database: a global database of how local terrestrial biodiversity responds to human impacts. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 4701-35	2.8	132
40	Spatial and Temporal Variability in Growing-Season Net Ecosystem Carbon Dioxide Exchange at a Large Peatland in Ontario, Canada. <i>Ecosystems</i> , <b>2005</b> , 8, 430-441	3.9	130
39	A Comparison of Species Richness and Traits of Riparian Plants between a Main River Channel and Its Tributaries. <i>Journal of Ecology</i> , <b>1994</b> , 82, 281	6	126
38	The database of the PREDICTS (Projecting Responses of Ecological Diversity In Changing Terrestrial Systems) project. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 145-188	2.8	101
37	SUBSTRATE FORM DETERMINES THE FATE OF BRYOPHYTES IN RIPARIAN BUFFER STRIPS <b>2005</b> , 15, 674-688		94
36	Eighteen years of tree mortality and structural change in an experimentally fragmented Norway spruce forest. <i>Forest Ecology and Management</i> , <b>2007</b> , 242, 306-313	3.9	75
35	Persistence of within-species lineages: a neglected control of speciation rates. <i>Evolution; International Journal of Organic Evolution</i> , <b>2014</b> , 68, 923-34	3.8	72
34	Saproxyllic and non-saproxyllic beetle assemblages in boreal spruce forests of different age and forestry intensity <b>2010</b> , 20, 2310-21		70
33	Effects of slash harvest on bryophytes and vascular plants in southern boreal forest clear-cuts. <i>Journal of Applied Ecology</i> , <b>2005</b> , 42, 1194-1202	5.8	65
32	Dating uprooted trees: comparison and application of eight methods in a boreal forest. <i>Canadian Journal of Forest Research</i> , <b>1991</b> , 21, 655-665	1.9	62
31	Ecological effects of river regulation on mammals and birds: A review. <i>River Research and Applications</i> , <b>1994</b> , 9, 45-53		57

30	Uprooting in boreal spruce forests: long-term variation in disturbance rate. <i>Canadian Journal of Forest Research</i> , <b>1993</b> , 23, 2383-2388	1.9	55
29	Slope aspect modifies community responses to clear-cutting in boreal forests. <i>Ecology</i> , <b>2007</b> , 88, 749-584	4.6	53
28	Resilience of bryophyte communities to clear-cutting of boreal stream-side forests. <i>Biological Conservation</i> , <b>2007</b> , 135, 423-434	6.2	52
27	High resilience of bryophyte assemblages in streamside compared to upland forests. <i>Ecology</i> , <b>2009</b> , 90, 1042-54	4.6	47
26	Small Rivers Behave Like Large Rivers: Effects of Postglacial History on Plant Species Richness Along Riverbanks. <i>Journal of Biogeography</i> , <b>1991</b> , 18, 533	4.1	39
25	INTERCONTINENTAL SIMILARITIES IN RIPARIAN-PLANT DIVERSITY AND SENSITIVITY TO RIVER REGULATION <b>2004</b> , 14, 173-191		35
24	Causes of the large variation in bryophyte species richness and composition among boreal streamside forests. <i>Journal of Vegetation Science</i> , <b>2006</b> , 17, 333-346	3.1	30
23	Microclimatic buffering by logging residues and forest edges reduces clear-cutting impacts on forest bryophytes. <i>Applied Vegetation Science</i> , <b>2008</b> , 11, 345-354	3.3	29
22	Species richness correlations among primary producers in boreal forests. <i>Diversity and Distributions</i> , <b>2006</b> , 12, 703-713	5	29
21	Disjunct populations of European vascular plant species keep the same climatic niches. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 1401-1412	6.1	26
20	Different long-term and short-term responses of land snails to clear-cutting of boreal stream-side forests. <i>Biological Conservation</i> , <b>2009</b> , 142, 1580-1587	6.2	26
19	Relationships Between Plant Assemblages and Water Flow Across a Boreal Forest Landscape: A Comparison of Liverworts, Mosses, and Vascular Plants. <i>Ecosystems</i> , <b>2016</b> , 19, 170-184	3.9	22
18	Surface covering of downed logs: drivers of a neglected process in dead wood ecology. <i>PLoS ONE</i> , <b>2010</b> , 5, e13237	3.7	22
17	Responses of eight boreal flat bug (Heteroptera: Aradidae) species to clear-cutting and forest fire. <i>Journal of Insect Conservation</i> , <b>2010</b> , 14, 3-9	2.1	21
16	Forest restoration by burning and gap cutting of voluntary set-asides yield distinct immediate effects on saproxylic beetles. <i>Biodiversity and Conservation</i> , <b>2017</b> , 26, 1623-1640	3.4	19
15	Long-term effects of stump harvesting and landscape composition on beetle assemblages in the hemiboreal forest of Sweden. <i>Forest Ecology and Management</i> , <b>2012</b> , 271, 75-80	3.9	18
14	Wood-inhabiting beetles in low stumps, high stumps and logs on boreal clear-cuts: implications for dead wood management. <i>PLoS ONE</i> , <b>2015</b> , 10, e0118896	3.7	17
13	The role of soil pH in linking groundwater flow and plant species density in boreal forest landscapes. <i>Ecography</i> , <b>2006</b> , 29, 515-524	6.5	16

12	Isolation predicts compositional change after discrete disturbances in a global meta-study. <i>Ecography</i> , <b>2017</b> , 40, 1256-1266	6.5	15
11	Slow recovery of bryophyte assemblages in middle-aged boreal forests regrown after clear-cutting. <i>Biological Conservation</i> , <b>2015</b> , 191, 101-109	6.2	14
10	Short-term responses of beetle assemblages to wildfire in a region with more than 100 years of fire suppression. <i>Insect Conservation and Diversity</i> , <b>2011</b> , 4, 142-151	3.8	14
9	Long-term effects of clear-cutting on epigaeic beetle assemblages in boreal forests. <i>Forest Ecology and Management</i> , <b>2016</b> , 359, 65-73	3.9	13
8	Soil humidity, potential solar radiation and altitude affect boreal beetle assemblages in dead wood. <i>Biological Conservation</i> , <b>2017</b> , 209, 107-118	6.2	12
7	Short-term response to stump harvesting by the ground flora in boreal clearcuts. <i>Scandinavian Journal of Forest Research</i> , <b>2017</b> , 32, 239-245	1.7	9
6	Bryophyte community assembly on young land uplift islands [Dispersal and habitat filtering assessed using species traits. <i>Journal of Biogeography</i> , <b>2019</b> , 46, 2188-2202	4.1	9
5	Responses of bryophytes to wood-ash recycling are related to their phylogeny and pH ecology. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2012</b> , 14, 21-31	3	6
4	Restoration measures emulating natural disturbances alter beetle assemblages in boreal forest. <i>Forest Ecology and Management</i> , <b>2020</b> , 462, 117934	3.9	4
3	Causes of the large variation in bryophyte species richness and composition among boreal streamside forests <b>2006</b> , 17, 333		2
2	Bryophyte species composition at the stand scale (1 ha) [Differences between secondary stands half a century after clear-cutting and older semi-natural boreal forests. <i>Forest Ecology and Management</i> , <b>2021</b> , 482, 118883	3.9	1
1	The European palaeoecological record of Swedish red-listed beetles. <i>Biological Conservation</i> , <b>2021</b> , 260, 109203	6.2	0