Janne Alahuhta

List of Publications by Citations

58 papers	1,421 citations	24 h-index	35 g-index
66 ext. papers	1,899 ext. citations	5 avg, IF	5.25 L-index

#	Paper	IF	Citations
58	Global variation in the beta diversity of lake macrophytes is driven by environmental heterogeneity rather than latitude. *Journal of Biogeography*, **2017**, 44, 1758-1769	4.1	82
57	Metacommunity ecology meets biogeography: effects of geographical region, spatial dynamics and environmental filtering on community structure in aquatic organisms. *Oecologia*, **2017**, 183, 121-137	2.9	74
56	Spatial extent, regional specificity and metacommunity structuring in lake macrophytes. *Journal of Biogeography*, **2013**, 40, 1572-1582	4.1	72
55	Climate change and the future distributions of aquatic macrophytes across boreal catchments. *Journal of Biogeography*, **2011**, 38, 383-393	4.1	60
54	Introducing accessibility analysis in mapping cultural ecosystem services. *Ecological Indicators*, **2016**, 66, 416-427	5.8	56
53	Integrating dispersal proxies in ecological and environmental research in the freshwater realm. *Environmental Reviews*, **2017**, 25, 334-349	4.5	55
52	Environmental and spatial correlates of community composition, richness and status of boreal lake macrophytes. *Ecological Indicators*, **2013**, 32, 172-181	5.8	54
51	A comparative analysis of metacommunity types in the freshwater realm. *Ecology and Evolution*, **2015**, 5, 1525-37	2.8	53
50	Geographic patterns of lake macrophyte communities and species richness at regional scale. *Journal of Vegetation Science*, **2015**, 26, 564-575	3.1	48
49	Response of macrophyte communities and status metrics to natural gradients and land use in boreal lakes. *Aquatic Botany*, **2012**, 103, 106-114	1.8	47
48	Catchment properties and the photosynthetic trait composition of freshwater plant communities. *Science*, **2019**, 366, 878-881	33.3	44
47	Species sorting determines variation in the community composition of common and rare macrophytes at various spatial extents. *Ecological Complexity*, **2014**, 20, 61-68	2.6	40
46	Elements of regional beetle faunas: faunal variation and compositional breakpoints along climate, land cover and geographical gradients. *Journal of Animal Ecology*, **2015**, 84, 427-41	4.7	39
45	Lakes in the era of global change: moving beyond single-lake thinking in maintaining biodiversity and ecosystem services. *Biological Reviews*, **2021**, 96, 89-106	13.5	38
44	The role of geodiversity in providing ecosystem services at broad scales. *Ecological Indicators*, **2018**, 91, 47-56	5.8	36
43	Global patterns in the metacommunity structuring of lake macrophytes: regional variations and driving factors. *Oecologia*, **2018**, 188, 1167-1182	2.9	36
42	Biotic interactions hold the key to understanding metacommunity organisation. *Ecography*, **2020**, 43, 1180-1190	6.5	34

41	Variable response of functional macrophyte groups to lake characteristics, land use, and space: implications for bioassessment. *Hydrobiologia*, **2014**, 737, 201-214	2.4	33
40	Understanding environmental change through the lens of trait-based, functional, and phylogenetic biodiversity in freshwater ecosystems. *Environmental Reviews*, **2019**, 27, 263-273	4.5	31
39	Predicting beta diversity of terrestrial and aquatic beetles using ecogeographical variables: insights from the replacement and richness difference components. *Journal of Biogeography*, **2019**, 46, 304-315	4.1	30
38	Defining the ecological status of small forest lakes using multiple biological quality elements and palaeolimnological analysis. *Fundamental and Applied Limnology*, **2009**, 175, 203-216	1.9	27
37	Mapping supply and demand of a provisioning ecosystem service across Europe. *Ecological Indicators*, **2019**, 103, 520-529	5.8	26
36	Spatial relationship between biodiversity and geodiversity across a gradient of land-use intensity in high-latitude landscapes. *Landscape Ecology*, **2017**, 32, 1049-1063	4.3	25
35	No biotic homogenisation across decades but consistent effects of landscape position and pH on macrophyte communities in boreal lakes. *Ecography*, **2020**, 43, 294-305	6.5	24
34	Phylogenetic diversity of regional beetle faunas at high latitudes: patterns, drivers and chance along ecological gradients. *Biodiversity and Conservation*, **2015**, 24, 2751-2767	3.4	22
33	Untangling the assembly of macrophyte metacommunities by means of taxonomic, functional and phylogenetic beta diversity patterns. *Science of the Total Environment*, **2019**, 693, 133616	10.2	22
32	Landforms contribute to plant biodiversity at alpha, beta and gamma levels. *Journal of Biogeography*, **2019**, 46, 1699-1710	4.1	21
31	Global patterns and determinants of lake macrophyte taxonomic, functional and phylogenetic beta diversity. *Science of the Total Environment*, **2020**, 723, 138021	10.2	21
30	Geography of global change and species richness in the North. *Environmental Reviews*, **2017**, 25, 184-192	4.5	21
29	Regional and local determinants of macrophyte community compositions in high-latitude lakes of Finland. *Hydrobiologia*, **2018**, 812, 99-114	2.4	18
28	Quantifying the relative importance of natural variables, human disturbance and spatial processes in ecological status indicators of boreal lakes. *Ecological Indicators*, **2016**, 63, 240-248	5.8	18
27	Species sorting drives variation of boreal lake and river macrophyte communities. *Community Ecology*, **2015**, 16, 76-85	1.2	18
26	A comparative analysis reveals little evidence for niche conservatism in aquatic macrophytes among four areas on two continents. *Oikos*, **2017**, 126, 136-148	4	17
25	Is catchment geodiversity a useful surrogate of aquatic plant species richness?. *Journal of Biogeography*, **2019**, 46, 1711-1722	4.1	17
24	Geodiversity-biodiversity relationship needs more empirical evidence. *Nature Ecology and Evolution*, **2020**, 4, 2-3	12.3	17

23	Macroecology of macrophytes in the freshwater realm: Patterns, mechanisms and implications. *Aquatic Botany*, **2021**, 168, 103325	1.8	16
22	Species richness and taxonomic distinctness of lake macrophytes along environmental gradients in two continents. *Freshwater Biology*, **2017**, 62, 1194-1206	3.1	13
21	Average niche breadths of species in lake macrophyte communities respond to ecological gradients variably in four regions on two continents. *Oecologia*, **2017**, 184, 219-235	2.9	12
20	Current climate overrides historical effects on species richness and range size of freshwater plants in Europe and North America. *Journal of Ecology*, **2020**, 108, 1262-1275	6	11
19	Environmental Characteristics and Anthropogenic Impact Jointly Modify Aquatic Macrophyte Species Diversity. *Frontiers in Plant Science*, **2018**, 9, 1001	6.2	10
18	Changes in the functional features of macrophyte communities and driving factors across a 70-year period. *Hydrobiologia*, **2020**, 847, 3811-3827	2.4	9
17	Elements of lake macrophyte metacommunity structure: Global variation and community-environment relationships. *Limnology and Oceanography*, **2020**, 65, 2883-2895	4.8	9
16	Temporal beta diversity of lake plants is determined by concomitant changes in environmental factors across decades. *Journal of Ecology*, **2021**, 109, 819-832	6	9
15	Practical integration of river basin and land use planning: lessons learned from two Finnish case studies. *Geographical Journal*, **2010**, 176, 319-333	2.2	8
14	Importance of spatial scale in structuring emergent lake vegetation across environmental gradients and scales: GIS-based approach. *Ecological Indicators*, **2016**, 60, 1164-1172	5.8	6
13	Same species, same habitat preferences? The distribution of aquatic plants is not explained by the same predictors in lakes and streams. *Freshwater Biology*, **2020**, 65, 878-892	3.1	6
12	Knitting patterns of biodiversity, range size and body size in aquatic beetle faunas: significant relationships but slightly divergent drivers. *Ecological Entomology*, **2019**, 44, 413-424	2.1	6
11	Environmental determinants of lake macrophyte communities in Baikal Siberia. *Aquatic Sciences*, **2020**, 82, 1	2.5	5
10	Ecological determinants of Potamogeton taxa in glacial lakes: assemblage composition, species richness, and species-level approach. *Aquatic Sciences*, **2017**, 79, 427-441	2.5	5
9	Macroecology of ground beetles: Species richness, range size and body size show different geographical patterns across a climatically heterogeneous area. *Journal of Biogeography*, **2019**, 46, 2548-2557	4.1	3
8	Palaeontology meets metacommunity ecology: the Maastrichtian dinosaur fossil record of North America as a case study. *Palaeontology*, **2021**, 64, 335-357	2.9	3
7	Multiple facets of macrophyte beta diversity are shaped by environmental factors, directional spatial processes, and connectivity across tropical floodplain lakes in the dry season. *Hydrobiologia*, **2021**, 848, 3587	2.4	3
6	Historical contingency via priority effects counteracts environmental change on metacommunity dynamics across decades. *Limnology and Oceanography*,	4.8	3

5	Accessibility analysis in evaluating exposure risk to an ecosystem disservice. *Applied Geography*, **2019**, 113, 102098	4.4	2
4	Little evidence of range size conservatism in freshwater plants across two continents. *Journal of Biogeography*, **2021**, 48, 1200-1212	4.1	1
3	Rarity in freshwater vascular plants across Europe and North America: Patterns, mechanisms and future scenarios. *Science of the Total Environment*, **2021**, 786, 147491	10.2	1
2	Isoëtes sabatina (Isoëtaceae, Lycopodiopsida): Taxonomic distinctness and preliminary ecological insights. *Aquatic Conservation: Marine and Freshwater Ecosystems*,	2.6	0
1	Responses of multiple facets of macroinvertebrate alpha diversity to eutrophication in floodplain lakes.. *Environmental Pollution*, **2022**, 119410	9.3	0