

# Jani Heino

## List of Publications by Citations

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257  
papers

10,587  
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58  
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274  
ext. papers

12,959  
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
257	Climate change and freshwater biodiversity: detected patterns, future trends and adaptations in northern regions. <i>Biological Reviews</i> , <b>2009</b> , 84, 39-54	13.5	487
256	Metacommunity organisation, spatial extent and dispersal in aquatic systems: patterns, processes and prospects. <i>Freshwater Biology</i> , <b>2015</b> , 60, 845-869	3.1	477
255	A macroecological perspective of diversity patterns in the freshwater realm. <i>Freshwater Biology</i> , <b>2011</b> , 56, 1703-1722	3.1	221
254	Scale-related patterns in the spatial and environmental components of stream macroinvertebrate assemblage variation. <i>Global Ecology and Biogeography</i> , <b>2007</b> , 16, 149-159	6.1	205
253	Are indicator groups and cross-taxon congruence useful for predicting biodiversity in aquatic ecosystems?. <i>Ecological Indicators</i> , <b>2010</b> , 10, 112-117	5.8	187
252	The importance of metacommunity ecology for environmental assessment research in the freshwater realm. <i>Biological Reviews</i> , <b>2013</b> , 88, 166-78	13.5	186
251	Are higher taxa adequate surrogates for species-level assemblage patterns and species richness in stream organisms?. <i>Biological Conservation</i> , <b>2007</b> , 137, 78-89	6.2	184
250	Determinants of macroinvertebrate diversity in headwater streams: regional and local influences. <i>Journal of Animal Ecology</i> , <b>2003</b> , 72, 425-434	4.7	184
249	A meta-analysis of nestedness and turnover components of beta diversity across organisms and ecosystems. <i>Global Ecology and Biogeography</i> , <b>2018</b> , 27, 96-109	6.1	182
248	Metacommunity structuring in stream networks: roles of dispersal mode, distance type, and regional environmental context. <i>Ecology and Evolution</i> , <b>2013</b> , 3, 4473-87	2.8	165
247	Reconceptualising the beta diversity-environmental heterogeneity relationship in running water systems. <i>Freshwater Biology</i> , <b>2015</b> , 60, 223-235	3.1	163
246	The role of dispersal in river network metacommunities: Patterns, processes, and pathways. <i>Freshwater Biology</i> , <b>2018</b> , 63, 141-163	3.1	158
245	Context dependency and metacommunity structuring in boreal headwater streams. <i>Oikos</i> , <b>2012</b> , 121, 537-544	4	132
244	A comparative analysis reveals weak relationships between ecological factors and beta diversity of stream insect metacommunities at two spatial levels. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 1235-48	2.8	132
243	Functional biodiversity of macroinvertebrate assemblages along major ecological gradients of boreal headwater streams. <i>Freshwater Biology</i> , <b>2005</b> , 50, 1578-1587	3.1	132
242	Lentic macroinvertebrate assemblage structure along gradients in spatial heterogeneity, habitat size and water chemistry. <i>Hydrobiologia</i> , <b>2000</b> , 418, 229-242	2.4	127
241	Geographical patterns of micro-organismal community structure: are diatoms ubiquitously distributed across boreal streams?. <i>Oikos</i> , <b>2010</b> , 119, 129-137	4	126

240	Nutrient enrichment modifies temperature-biodiversity relationships in large-scale field experiments. <i>Nature Communications</i> , <b>2016</b> , 7, 13960	17.4	126
239	Identifying the scales of variability in stream macroinvertebrate abundance, functional composition and assemblage structure. <i>Freshwater Biology</i> , <b>2004</b> , 49, 1230-1239	3.1	119
238	Towards understanding the organisation of metacommunities in highly dynamic ecological systems. <i>Oikos</i> , <b>2016</b> , 125, 149-159	4	115
237	How Essential Biodiversity Variables and remote sensing can help national biodiversity monitoring. <i>Global Ecology and Conservation</i> , <b>2017</b> , 10, 43-59	2.8	110
236	Does dispersal ability affect the relative importance of environmental control and spatial structuring of littoral macroinvertebrate communities?. <i>Oecologia</i> , <b>2013</b> , 171, 971-80	2.9	101
235	Are biological classifications of headwater streams concordant across multiple taxonomic groups?. <i>Freshwater Biology</i> , <b>2003</b> , 48, 1912-1923	3.1	100
234	Searching for biodiversity indicators in running waters: do bryophytes, macroinvertebrates, and fish show congruent diversity patterns?. <i>Biodiversity and Conservation</i> , <b>2005</b> , 14, 415-428	3.4	99
233	Concordance of species richness patterns among multiple freshwater taxa: a regional perspective. <i>Biodiversity and Conservation</i> , <b>2002</b> , 11, 137-147	3.4	98
232	Correspondence between regional delineations and spatial patterns in macroinvertebrate assemblages of boreal headwater streams. <i>Journal of the North American Benthological Society</i> , <b>2002</b> , 21, 397-413		95
231	Patterns of functional biodiversity and function-environment relationships in lake littoral macroinvertebrates. <i>Limnology and Oceanography</i> , <b>2008</b> , 53, 1446-1455	4.8	94
230	Functional diversity: a review of methodology and current knowledge in freshwater macroinvertebrate research. <i>Hydrobiologia</i> , <b>2017</b> , 787, 27-44	2.4	93
229	Spatial scale affects community concordance among fishes, benthic macroinvertebrates, and bryophytes in streams <b>2006</b> , 16, 368-79		93
228	Toward More Integrated Ecosystem Research in Aquatic and Terrestrial Environments. <i>BioScience</i> , <b>2015</b> , 65, 174-182	5.7	92
227	Biodiversity of Aquatic Insects: Spatial Gradients and Environmental Correlates of Assemblage-Level Measures at Large Scales. <i>Freshwater Reviews: A Journal of the Freshwater Biological Association</i> , <b>2009</b> , 2, 1-29		91
226	Control of stream insect assemblages: roles of spatial configuration and local environmental factors. <i>Ecological Entomology</i> , <b>2008</b> , 33, 614-622	2.1	88
225	Ecological drivers of multiple facets of beta diversity in a lentic macroinvertebrate metacommunity. <i>Limnology and Oceanography</i> , <b>2017</b> , 62, 2431-2444	4.8	85
224	Ecological filters and variability in stream macroinvertebrate communities: do taxonomic and functional structure follow the same path?. <i>Ecography</i> , <b>2007</b> , 30, 217-230	6.5	84
223	DEFINING MACROINVERTEBRATE ASSEMBLAGE TYPES OF HEADWATER STREAMS: IMPLICATIONS FOR BIOASSESSMENT AND CONSERVATION <b>2003</b> , 13, 842-852		83

222	Global variation in the beta diversity of lake macrophytes is driven by environmental heterogeneity rather than latitude. <i>Journal of Biogeography</i> , <b>2017</b> , 44, 1758-1769	4.1	82
221	A macroecological perspective of trait patterns in stream communities. <i>Freshwater Biology</i> , <b>2013</b> , 58, 1539-1555	3.1	81
220	Positive relationship between regional distribution and local abundance in stream insects: a consequence of niche breadth or niche position?. <i>Ecography</i> , <b>2005</b> , 28, 345-354	6.5	81
219	Nutrient enrichment is related to two facets of beta diversity for stream invertebrates across the United States. <i>Ecology</i> , <b>2014</b> , 95, 1569-78	4.6	79
218	Responses of taxonomic distinctness and species diversity indices to anthropogenic impacts and natural environmental gradients in stream macroinvertebrates. <i>Freshwater Biology</i> , <b>2007</b> , 52, 1846-1861 <sup>3.1</sup>		77
217	Environmental heterogeneity and diversity of stream macroinvertebrate communities at intermediate spatial scales. <i>Freshwater Science</i> , <b>2013</b> , 32, 142-154	2	74
216	Metacommunity ecology meets biogeography: effects of geographical region, spatial dynamics and environmental filtering on community structure in aquatic organisms. <i>Oecologia</i> , <b>2017</b> , 183, 121-137	2.9	74
215	Neutrality, niches, and determinants of plankton metacommunity structure across boreal wetland ponds. <i>Ecoscience</i> , <b>2007</b> , 14, 146-154	1.1	73
214	The relationship between species richness and taxonomic distinctness in freshwater organisms. <i>Limnology and Oceanography</i> , <b>2005</b> , 50, 978-986	4.8	73
213	Effects of dispersal mode on the environmental and spatial correlates of nestedness and species turnover in pond communities. <i>Oikos</i> , <b>2017</b> , 126, 1575-1585	4	72
212	Spatial extent, regional specificity and metacommunity structuring in lake macrophytes. <i>Journal of Biogeography</i> , <b>2013</b> , 40, 1572-1582	4.1	72
211	Taxonomic surrogacy, numerical resolution and responses of stream macroinvertebrate communities to ecological gradients: Are the inferences transferable among regions?. <i>Ecological Indicators</i> , <b>2014</b> , 36, 186-194	5.8	72
210	A new framework for selecting environmental surrogates. <i>Science of the Total Environment</i> , <b>2015</b> , 538, 1029-38	10.2	67
209	Context dependency in biodiversity patterns of central German stream metacommunities. <i>Freshwater Biology</i> , <b>2016</b> , 61, 607-620	3.1	67
208	Environmental heterogeneity, dispersal mode, and co-occurrence in stream macroinvertebrates. <i>Ecology and Evolution</i> , <b>2013</b> , 3, 344-55	2.8	66
207	Relationships between local population persistence, local abundance and regional occupancy of species: distribution patterns of diatoms in boreal streams. <i>Journal of Biogeography</i> , <b>2005</b> , 32, 1971-1978 <sup>4.1</sup>		62
206	A proposed unified terminology of species traits in stream ecology. <i>Freshwater Science</i> , <b>2015</b> , 34, 823-830		61
205	Drivers of beta diversity of macroinvertebrate communities in tropical forest streams. <i>Freshwater Biology</i> , <b>2013</b> , 58, 1126-1137	3.1	60

204	Climate change and the future distributions of aquatic macrophytes across boreal catchments. <i>Journal of Biogeography</i> , <b>2011</b> , 38, 383-393	4.1	60
203	Two roles for ecological surrogacy: Indicator surrogates and management surrogates. <i>Ecological Indicators</i> , <b>2016</b> , 63, 121-125	5.8	58
202	Inferring the effects of potential dispersal routes on the metacommunity structure of stream insects: as the crow flies, as the fish swims or as the fox runs?. <i>Journal of Animal Ecology</i> , <b>2015</b> , 84, 1342-1347	4.7	58
201	Characterising functional trait diversity and trait-environment relationships in fish assemblages of boreal lakes. <i>Freshwater Biology</i> , <b>2009</b> , 54, 1788-1803	3.1	58
200	Among-taxon congruence in biodiversity patterns: can stream insect diversity be predicted using single taxonomic groups?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2003</b> , 60, 1039-1049	2.4	58
199	Integrating dispersal proxies in ecological and environmental research in the freshwater realm. <i>Environmental Reviews</i> , <b>2017</b> , 25, 334-349	4.5	55
198	Regional occupancy in unicellular eukaryotes: a reflection of niche breadth, habitat availability or size-related dispersal capacity?. <i>Freshwater Biology</i> , <b>2006</b> , 51, 672-685	3.1	55
197	Local environment and space drive multiple facets of stream macroinvertebrate beta diversity. <i>Journal of Biogeography</i> , <b>2018</b> , 45, 2744-2754	4.1	55
196	Characteristics, Main Impacts, and Stewardship of Natural and Artificial Freshwater Environments: Consequences for Biodiversity Conservation. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 260	3	53
195	A comparative analysis of metacommunity types in the freshwater realm. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 1525-37	2.8	53
194	Exploring species and site contributions to beta diversity in stream insect assemblages. <i>Oecologia</i> , <b>2017</b> , 183, 151-160	2.9	52
193	Weak relationships between landscape characteristics and multiple facets of stream macroinvertebrate biodiversity in a boreal drainage basin. <i>Landscape Ecology</i> , <b>2008</b> , 23, 417-426	4.3	52
192	Are common species sufficient in describing turnover in aquatic metacommunities along environmental and spatial gradients?. <i>Limnology and Oceanography</i> , <b>2010</b> , 55, 2397-2402	4.8	51
191	Regional gradient analysis of freshwater biota: do similar biogeographic patterns exist among multiple taxonomic groups?. <i>Journal of Biogeography</i> , <b>2008</b> , 28, 69-76	4.1	51
190	Assembly rules and community models for unicellular organisms: patterns in diatoms of boreal streams. <i>Freshwater Biology</i> , <b>2005</b> , 50, 567-577	3.1	50
189	Scaling biodiversity responses to hydrological regimes. <i>Biological Reviews</i> , <b>2018</b> , 93, 971-995	13.5	50
188	The three Rs of river ecosystem resilience: Resources, recruitment, and refugia. <i>River Research and Applications</i> , <b>2019</b> , 35, 107-120	2.3	48
187	Characterizing macroinvertebrate assemblage structure in relation to stream size and tributary position. <i>Hydrobiologia</i> , <b>2005</b> , 539, 121-130	2.4	48

186	Integrating behavioral, population and large-scale approaches for understanding stream insect communities. <i>Current Opinion in Insect Science</i> , <b>2014</b> , 2, 7-13	5.1	47
185	Different responses of taxonomic and functional structures of stream macroinvertebrate communities to local stressors and regional factors in a subtropical biodiversity hotspot. <i>Science of the Total Environment</i> , <b>2019</b> , 655, 1288-1300	10.2	47
184	Elements of metacommunity structure and community-environment relationships in stream organisms. <i>Freshwater Biology</i> , <b>2015</b> , 60, 973-988	3.1	46
183	Unravelling the drivers of aquatic communities using disparate organismal groups and different taxonomic levels. <i>Ecological Indicators</i> , <b>2016</b> , 60, 108-118	5.8	44
182	Catchment properties and the photosynthetic trait composition of freshwater plant communities. <i>Science</i> , <b>2019</b> , 366, 878-881	33.3	44
181	Indicator groups and congruence of assemblage similarity, species richness and environmental relationships in littoral macroinvertebrates. <i>Biodiversity and Conservation</i> , <b>2009</b> , 18, 3085-3098	3.4	44
180	Metacommunity patterns of highly diverse stream midges: gradients, checkerboards, and nestedness, or is there only randomness?. <i>Ecological Entomology</i> , <b>2005</b> , 30, 590-599	2.1	44
179	Temporal variation in phytoplankton beta diversity patterns and metacommunity structures across subtropical reservoirs. <i>Freshwater Biology</i> , <b>2017</b> , 62, 751-766	3.1	43
178	Metacommunities in river networks: The importance of network structure and connectivity on patterns and processes. <i>Freshwater Biology</i> , <b>2018</b> , 63, 1-5	3.1	43
177	Assessing physical surrogates for biodiversity: Do tributary and stream type classifications reflect macroinvertebrate assemblage diversity in running waters?. <i>Biological Conservation</i> , <b>2006</b> , 129, 418-426	6.2	42
176	Freshwater biodiversity at regional extent: determinants of macroinvertebrate taxonomic richness in headwater streams. <i>Ecography</i> , <b>2011</b> , 34, 705-713	6.5	41
175	Variability of lotic macroinvertebrate assemblages and stream habitat characteristics across hierarchical landscape classifications. <i>Environmental Management</i> , <b>2004</b> , 34, 341-52	3.1	41
174	Species sorting determines variation in the community composition of common and rare macrophytes at various spatial extents. <i>Ecological Complexity</i> , <b>2014</b> , 20, 61-68	2.6	40
173	Microbial diversity and community-environment relationships in boreal streams. <i>Journal of Biogeography</i> , <b>2014</b> , 41, 2234-2244	4.1	40
172	Temporal variability of nestedness and idiosyncratic species in stream insect assemblages. <i>Diversity and Distributions</i> , <b>2009</b> , 15, 198-206	5	40
171	Elements of regional beetle faunas: faunal variation and compositional breakpoints along climate, land cover and geographical gradients. <i>Journal of Animal Ecology</i> , <b>2015</b> , 84, 427-41	4.7	39
170	Concordance of stream macroinvertebrate assemblage classifications: How general are patterns from single-year surveys?. <i>Biological Conservation</i> , <b>2008</b> , 141, 1218-1223	6.2	38
169	Lakes in the era of global change: moving beyond single-lake thinking in maintaining biodiversity and ecosystem services. <i>Biological Reviews</i> , <b>2021</b> , 96, 89-106	13.5	38

168	Environmental factors are primary determinants of different facets of pond macroinvertebrate alpha and beta diversity in a human-modified landscape. <i>Biological Conservation</i> , <b>2019</b> , 237, 348-357	6.2	37
167	Non-biting midges in biodiversity conservation and environmental assessment: Findings from boreal freshwater ecosystems. <i>Ecological Indicators</i> , <b>2011</b> , 11, 1057-1064	5.8	37
166	Surveying biodiversity in protected and managed areas: Algae, macrophytes and macroinvertebrates in boreal forest streams. <i>Ecological Indicators</i> , <b>2009</b> , 9, 1179-1187	5.8	37
165	Global patterns in the metacommunity structuring of lake macrophytes: regional variations and driving factors. <i>Oecologia</i> , <b>2018</b> , 188, 1167-1182	2.9	36
164	Ecological uniqueness of stream and lake diatom communities shows different macroecological patterns. <i>Diversity and Distributions</i> , <b>2017</b> , 23, 1042-1053	5	35
163	Unravelling the correlates of species richness and ecological uniqueness in a metacommunity of urban pond insects. <i>Ecological Indicators</i> , <b>2017</b> , 73, 422-431	5.8	35
162	Drying determines the temporal dynamics of stream invertebrate structural and functional beta diversity. <i>Ecography</i> , <b>2020</b> , 43, 620-635	6.5	35
161	Relative roles of spatial processes, natural factors and anthropogenic stressors in structuring a lake macroinvertebrate metacommunity. <i>Science of the Total Environment</i> , <b>2017</b> , 601-602, 1702-1711	10.2	34
160	Biotic interactions hold the key to understanding metacommunity organisation. <i>Ecography</i> , <b>2020</b> , 43, 1180-1190	6.5	34
159	Untangling the relationships among regional occupancy, species traits, and niche characteristics in stream invertebrates. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 1931-42	2.8	34
158	Does environmental heterogeneity affect species co-occurrence in ecological guilds across stream macroinvertebrate metacommunities?. <i>Ecography</i> , <b>2013</b> , 36, 926-936	6.5	34
157	A Metacommunity Approach to Improve Biological Assessments in Highly Dynamic Freshwater Ecosystems. <i>BioScience</i> , <b>2020</b> , 70, 427-438	5.7	32
156	Bioassessment in a metacommunity context: Are diatom communities structured solely by species sorting?. <i>Ecological Indicators</i> , <b>2016</b> , 62, 86-94	5.8	32
155	Spring bryophytes in forested landscapes: Land use effects on bryophyte species richness, community structure and persistence. <i>Biological Conservation</i> , <b>2005</b> , 124, 539-545	6.2	32
154	The stability-diversity relationship in stream macroinvertebrates: influences of sampling effects and habitat complexity. <i>Freshwater Biology</i> , <b>2011</b> , 56, 1122-1132	3.1	31
153	Understanding environmental change through the lens of trait-based, functional, and phylogenetic biodiversity in freshwater ecosystems. <i>Environmental Reviews</i> , <b>2019</b> , 27, 263-273	4.5	31
152	Species richness at the guild level: effects of species pool and local environmental conditions on stream macroinvertebrate communities. <i>Journal of Animal Ecology</i> , <b>2012</b> , 81, 679-91	4.7	30
151	Predicting beta diversity of terrestrial and aquatic beetles using ecogeographical variables: insights from the replacement and richness difference components. <i>Journal of Biogeography</i> , <b>2019</b> , 46, 304-315	4.1	30

150	Freshwater diatoms as environmental indicators: evaluating the effects of eutrophication using species morphology and biological indices. <i>Environmental Monitoring and Assessment</i> , <b>2015</b> , 187, 243	3.1	29
149	Disentangling the correlates of species and site contributions to beta diversity in dung beetle assemblages. <i>Diversity and Distributions</i> , <b>2018</b> , 24, 1674-1686	5	29
148	Differently dispersing organism groups show contrasting beta diversity patterns in a dammed subtropical river basin. <i>Science of the Total Environment</i> , <b>2019</b> , 691, 1271-1281	10.2	27
147	Relationships between distribution and abundance vary with spatial scale and ecological group in stream bryophytes. <i>Freshwater Biology</i> , <b>2006</b> , 51, 1879-1889	3.1	27
146	Disentangling multi-scale environmental effects on stream microbial communities. <i>Journal of Biogeography</i> , <b>2017</b> , 44, 1512-1523	4.1	26
145	The effect of urbanization on freshwater macroinvertebrates [Knowledge gaps and future research directions. <i>Ecological Indicators</i> , <b>2019</b> , 104, 357-364	5.8	26
144	Abruptly and irreversibly changing Arctic freshwaters urgently require standardized monitoring. <i>Journal of Applied Ecology</i> , <b>2020</b> , 57, 1192-1198	5.8	26
143	Landscape Position, Local Environmental Factors, and the Structure of Molluscan Assemblages of Lakes. <i>Landscape Ecology</i> , <b>2006</b> , 21, 499-507	4.3	26
142	Relationships between multiple biological groups and classification schemes in a Neotropical floodplain. <i>Ecological Indicators</i> , <b>2012</b> , 13, 55-65	5.8	25
141	Species co-occurrence, nestedness and guild-environment relationships in stream macroinvertebrates. <i>Freshwater Biology</i> , <b>2009</b> , 54, 1947-1959	3.1	25
140	Variation in niche parameters along the diversity gradient of unicellular eukaryote assemblages. <i>Protist</i> , <b>2007</b> , 158, 181-91	2.5	25
139	Subtropical streams harbour higher genus richness and lower abundance of insects compared to boreal streams, but scale matters. <i>Journal of Biogeography</i> , <b>2018</b> , 45, 1983-1993	4.1	25
138	No biotic homogenisation across decades but consistent effects of landscape position and pH on macrophyte communities in boreal lakes. <i>Ecography</i> , <b>2020</b> , 43, 294-305	6.5	24
137	Species-poor and low-lying sites are more ecologically unique in a hyperdiverse Amazon region: Evidence from multiple taxonomic groups. <i>Diversity and Distributions</i> , <b>2018</b> , 24, 966-977	5	24
136	Habitat filtering determines spatial variation of macroinvertebrate community traits in northern headwater streams. <i>Community Ecology</i> , <b>2013</b> , 14, 77-88	1.2	24
135	Beta diversity of stream diatoms at two hierarchical spatial scales: implications for biomonitoring. <i>Freshwater Biology</i> , <b>2016</b> , 61, 239-250	3.1	24
134	Untangling the assembly of littoral macroinvertebrate communities through measures of functional and phylogenetic alpha diversity. <i>Freshwater Biology</i> , <b>2017</b> , 62, 1168-1179	3.1	23
133	Geographical gradients in the biodiversity of Chinese freshwater molluscs: Implications for conservation. <i>Diversity and Distributions</i> , <b>2018</b> , 24, 485-496	5	23



132	Predicting occupancy and abundance by niche position, niche breadth and body size in stream organisms. <i>Oecologia</i> , <b>2018</b> , 186, 205-216	2.9	23
131	Metacommunity structuring in a highly-connected aquatic system: effects of dispersal, abiotic environment and grazing pressure on microalgal guilds. <i>Hydrobiologia</i> , <b>2017</b> , 790, 125-140	2.4	23
130	Local to regional diversity relationship varies with spatial scale in lotic diatoms. <i>Journal of Biogeography</i> , <b>2009</b> , 36, 720-727	4.1	23
129	Phylogenetic diversity of regional beetle faunas at high latitudes: patterns, drivers and chance along ecological gradients. <i>Biodiversity and Conservation</i> , <b>2015</b> , 24, 2751-2767	3.4	22
128	Unravelling the joint effects of flow regime, climatic variability and dispersal mode on beta diversity of riverine communities. <i>Freshwater Biology</i> , <b>2016</b> , 61, 1350-1364	3.1	22
127	Environmental predictability of taxonomic and functional community composition in high-latitude streams. <i>Freshwater Biology</i> , <b>2017</b> , 62, 1-16	3.1	22
126	Nutrient enrichment homogenizes taxonomic and functional diversity of benthic macroinvertebrate assemblages in shallow lakes. <i>Limnology and Oceanography</i> , <b>2019</b> , 64, 1047-1058	4.8	22
125	Global patterns and determinants of lake macrophyte taxonomic, functional and phylogenetic beta diversity. <i>Science of the Total Environment</i> , <b>2020</b> , 723, 138021	10.2	21
124	Geography of global change and species richness in the North. <i>Environmental Reviews</i> , <b>2017</b> , 25, 184-192	4.5	21
123	Testing species to area and species to bryophyte cover relationships in riverine macroinvertebrates at small scales. <i>Freshwater Biology</i> , <b>2008</b> , 53, 558-568	3.1	21
122	Taxonomic, functional, and phylogenetic diversity patterns of stream fish assemblages in tropical agroecosystems. <i>Freshwater Biology</i> , <b>2019</b> , 64, 447-460	3.1	21
121	Taxonomic distinctness along nutrient gradients: More diverse, less diverse or not different from random?. <i>Ecological Indicators</i> , <b>2016</b> , 61, 1033-1041	5.8	20
120	Correlates of different facets and components of beta diversity in stream organisms. <i>Oecologia</i> , <b>2019</b> , 191, 919-929	2.9	20
119	Ignoring spatial effects results in inadequate models for variation in littoral macroinvertebrate diversity. <i>Oikos</i> , <b>2017</b> , 126, 852-862	4	20
118	Predictability of stream insect distributions is dependent on niche position, but not on biological traits or taxonomic relatedness of species. <i>Ecography</i> , <b>2016</b> , 39, 1216-1226	6.5	20
117	Fine spatial grain, large spatial extent and biogeography of macrophyte-associated cladoceran communities across Neotropical floodplains. <i>Freshwater Biology</i> , <b>2017</b> , 62, 559-569	3.1	19
116	DISPERSE, a trait database to assess the dispersal potential of European aquatic macroinvertebrates. <i>Scientific Data</i> , <b>2020</b> , 7, 386	8.2	19
115	Streams and riparian forests depend on each other: A review with a special focus on microbes. <i>Forest Ecology and Management</i> , <b>2020</b> , 462, 117962	3.9	19

114	Choice of field and laboratory methods affects the detection of anthropogenic disturbances using stream macroinvertebrate assemblages. <i>Ecological Indicators</i> , <b>2020</b> , 115, 106382-106382	5.8	19
113	The strength of species sorting of phytoplankton communities is temporally variable in subtropical reservoirs. <i>Hydrobiologia</i> , <b>2017</b> , 800, 31-43	2.4	19
112	Ecological niche features override biological traits and taxonomic relatedness as predictors of occupancy and abundance in lake littoral macroinvertebrates. <i>Ecography</i> , <b>2018</b> , 41, 2092-2103	6.5	19
111	Hierarchical decomposition of trait patterns of macroinvertebrate communities in subarctic streams. <i>Freshwater Science</i> , <b>2016</b> , 35, 1032-1048	2	19
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108	Does catchment geodiversity foster stream biodiversity?. <i>Landscape Ecology</i> , <b>2019</b> , 34, 2469-2485	4.3	18
107	Bacterial metacommunity organization in a highly connected aquatic system. <i>FEMS Microbiology Ecology</i> , <b>2017</b> , 93,	4.3	18
106	A comparative analysis reveals little evidence for niche conservatism in aquatic macrophytes among four areas on two continents. <i>Oikos</i> , <b>2017</b> , 126, 136-148	4	17
105	Multiple facets of stream macroinvertebrate alpha diversity are driven by different ecological factors across an extensive altitudinal gradient. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 1306-1322	2.8	17
104	Seasonal changes in metacommunity assembly mechanisms of benthic macroinvertebrates in a subtropical river basin. <i>Science of the Total Environment</i> , <b>2020</b> , 729, 139046	10.2	17
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100	Biological surrogates: A word of caution. <i>Ecological Indicators</i> , <b>2018</b> , 88, 214-218	5.8	16
99	Environmental filtering and spatial effects on metacommunity organisation differ among littoral macroinvertebrate groups deconstructed by biological traits. <i>Aquatic Ecology</i> , <b>2018</b> , 52, 119-131	1.9	16
98	Macroecology of macrophytes in the freshwater realm: Patterns, mechanisms and implications. <i>Aquatic Botany</i> , <b>2021</b> , 168, 103325	1.8	16
97	Metacommunity ecology meets bioassessment: Assessing spatio-temporal variation in multiple facets of macroinvertebrate diversity in human-influenced large lakes. <i>Ecological Indicators</i> , <b>2019</b> , 103, 713-721	5.8	15

96	Conservation of freshwater macroinvertebrate biodiversity in tropical regions. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2020</b> , 30, 1238-1250	2.6	15
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67	Scale-dependent patterns of metacommunity structuring in aquatic organisms across floodplain systems. <i>Journal of Biogeography</i> , <b>2021</b> , 48, 872-885	4.1	9
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35	Do different facets of littoral macroinvertebrate diversity show congruent patterns in a large lake system?. <i>Community Ecology</i> , <b>2017</b> , 18, 109-116	1.2	3
34	The importance of blue and green landscape connectivity for biodiversity in urban ponds. <i>Basic and Applied Ecology</i> , <b>2021</b> , 57, 129-129	3.2	3
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29	Differential speciation rates, colonization time and niche conservatism affect community assembly across adjacent biogeographical regions. <i>Journal of Biogeography</i> , <b>2021</b> , 48, 2211-2225	4.1	3
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17	Spatio-temporal variation of macroinvertebrate metacommunity organization in a monsoon-climate region. <i>Journal of Biogeography</i> ,	4.1	1
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