

# Florian Altermatt

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4708790/publications.pdf>

Version: 2024-02-01

161  
papers

11,717  
citations

34105

52  
h-index

38395

95  
g-index

201  
all docs

201  
docs citations

201  
times ranked

11918  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental <scp>DNA</scp> metabarcoding: Transforming how we survey animal and plant communities. <i>Molecular Ecology</i> , 2017, 26, 5872-5895.	3.9	1,210
2	Transport Distance of Invertebrate Environmental DNA in a Natural River. <i>PLoS ONE</i> , 2014, 9, e88786.	2.5	469
3	Environmental DNA reveals that rivers are conveyor belts of biodiversity information. <i>Nature Communications</i> , 2016, 7, 12544.	12.8	415
4	The future of biotic indices in the ecogenomic era: Integrating (e)DNA metabarcoding in biological assessment of aquatic ecosystems. <i>Science of the Total Environment</i> , 2018, 637-638, 1295-1310.	8.0	377
5	Choice of capture and extraction methods affect detection of freshwater biodiversity from environmental DNA. <i>Biological Conservation</i> , 2015, 183, 53-63.	4.1	345
6	Climatic warming increases voltinism in European butterflies and moths. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1281-1287.	2.6	334
7	Dendritic connectivity controls biodiversity patterns in experimental metacommunities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5761-5766.	7.1	293
8	Diversity in riverine metacommunities: a network perspective. <i>Aquatic Ecology</i> , 2013, 47, 365-377.	1.5	293
9	Handbook of protocols for standardized measurement of terrestrial invertebrate functional traits. <i>Functional Ecology</i> , 2017, 31, 558-567.	3.6	290
10	The role of dispersal in river network metacommunities: Patterns, processes, and pathways. <i>Freshwater Biology</i> , 2018, 63, 141-163.	2.4	273
11	Biodiversity increases and decreases ecosystem stability. <i>Nature</i> , 2018, 563, 109-112.	27.8	261
12	The ecological forecast horizon, and examples of its uses and determinants. <i>Ecology Letters</i> , 2015, 18, 597-611.	6.4	242
13	Impacts of urbanisation on biodiversity: the role of species mobility, degree of specialisation and spatial scale. <i>Oikos</i> , 2015, 124, 1571-1582.	2.7	204
14	Bridging ecology and conservation: from ecological networks to ecosystem function. <i>Journal of Applied Ecology</i> , 2017, 54, 371-379.	4.0	175
15	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> , 2015, 5, 1235-1248.	1.9	167
16	River network properties shape $\beta$ -diversity and community similarity patterns of aquatic insect communities across major drainage basins. <i>Journal of Biogeography</i> , 2013, 40, 2249-2260.	3.0	157
17	Big answers from small worlds: a user's guide for protist microcosms as a model system in ecology and evolution. <i>Methods in Ecology and Evolution</i> , 2015, 6, 218-231.	5.2	157
18	DNAqua-Net: Developing new genetic tools for bioassessment and monitoring of aquatic ecosystems in Europe. <i>Research Ideas and Outcomes</i> , 0, 2, e11321.	1.0	154

#	ARTICLE	IF	CITATIONS
19	Meta-Ecosystems 2.0: Rooting the Theory into the Field. <i>Trends in Ecology and Evolution</i> , 2018, 33, 36-46.	8.7	151
20	Utility of environmental DNA for monitoring rare and indicator macroinvertebrate species. <i>Freshwater Science</i> , 2014, 33, 1174-1183.	1.8	144
21	Eco-evolutionary feedbacks during experimental range expansions. <i>Nature Communications</i> , 2015, 6, 6844.	12.8	136
22	Environmental DNA: What's behind the term? Clarifying the terminology and recommendations for its future use in biomonitoring. <i>Molecular Ecology</i> , 2020, 29, 4258-4264.	3.9	136
23	Genetic diversity of <i>Daphnia magna</i> populations enhances resistance to parasites. <i>Ecology Letters</i> , 2008, 11, 918-928.	6.4	130
24	Predicting novel trophic interactions in a non-native world. <i>Ecology Letters</i> , 2013, 16, 1088-1094.	6.4	123
25	Reduced flight-to-light behaviour of moth populations exposed to long-term urban light pollution. <i>Biology Letters</i> , 2016, 12, 20160111.	2.3	120
26	Why We Need Sustainable Networks Bridging Countries, Disciplines, Cultures and Generations for Aquatic Biomonitoring 2.0: A Perspective Derived From the DNAqua-Net COST Action. <i>Advances in Ecological Research</i> , 2018, 58, 63-99.	2.7	120
27	Complex Interaction of Dendritic Connectivity and Hierarchical Patch Size on Biodiversity in River-Like Landscapes. <i>American Naturalist</i> , 2014, 183, 13-25.	2.1	108
28	A global analysis of terrestrial plant litter dynamics in non-perennial waterways. <i>Nature Geoscience</i> , 2018, 11, 497-503.	12.9	108
29	Geomorphic controls on elevational gradients of species richness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1737-1742.	7.1	97
30	Tell me what you eat and I'll tell you when you fly: diet can predict phenological changes in response to climate change. <i>Ecology Letters</i> , 2010, 13, 1475-1484.	6.4	95
31	Fishing in the Water: Effect of Sampled Water Volume on Environmental DNA-Based Detection of Macroinvertebrates. <i>Environmental Science &amp; Technology</i> , 2016, 50, 305-312.	10.0	92
32	Interactive effects of disturbance and dispersal directionality on species richness and composition in metacommunities. <i>Ecology</i> , 2011, 92, 859-870.	3.2	90
33	Unravelling the Impacts of Micropollutants in Aquatic Ecosystems. <i>Advances in Ecological Research</i> , 2016, 55, 183-223.	2.7	81
34	Cross-ecosystem carbon flows connecting ecosystems worldwide. <i>Nature Communications</i> , 2018, 9, 4825.	12.8	81
35	Environmental DNA allows upscaling spatial patterns of biodiversity in freshwater ecosystems. <i>Nature Communications</i> , 2020, 11, 3585.	12.8	81
36	Bottom-up and top-down control of dispersal across major organismal groups. <i>Nature Ecology and Evolution</i> , 2018, 2, 1859-1863.	7.8	80

#	ARTICLE	IF	CITATIONS
37	Inferring species interactions in ecological communities: a comparison of methods at different levels of complexity. <i>Methods in Ecology and Evolution</i> , 2015, 6, 895-906.	5.2	79
38	Impacts of urban sprawl on species richness of plants, butterflies, gastropods and birds: not only built-up area matters. <i>Urban Ecosystems</i> , 2016, 19, 225-242.	2.4	79
39	Effects of Connectivity and Recurrent Local Disturbances on Community Structure and Population Density in Experimental Metacommunities. <i>PLoS ONE</i> , 2011, 6, e19525.	2.5	78
40	Scaling body size fluctuations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4646-4650.	7.1	77
41	Meta-analysis shows both congruence and complementarity of DNA and eDNA metabarcoding to traditional methods for biological community assessment. <i>Molecular Ecology</i> , 2022, 31, 1820-1835.	3.9	76
42	Toward a conceptual synthesis for climate change responses. <i>Global Ecology and Biogeography</i> , 2012, 21, 693-703.	5.8	74
43	Uncovering the complete biodiversity structure in spatial networks: the example of riverine systems. <i>Oikos</i> , 2020, 129, 607-618.	2.7	73
44	Metacommunities in river networks: The importance of network structure and connectivity on patterns and processes. <i>Freshwater Biology</i> , 2018, 63, 1-5.	2.4	72
45	Simulating rewetting events in intermittent rivers and ephemeral streams: A global analysis of leached nutrients and organic matter. <i>Global Change Biology</i> , 2019, 25, 1591-1611.	9.5	71
46	Emerging predictable features of replicated biological invasion fronts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 297-301.	7.1	70
47	Climate change affects colonization dynamics in a metacommunity of three <i>Daphnia</i> species. <i>Global Change Biology</i> , 2008, 14, 1209-1220.	9.5	67
48	Dendritic network structure and dispersal affect temporal dynamics of diversity and species persistence. <i>Oikos</i> , 2015, 124, 908-916.	2.7	67
49	Dispersal in dendritic networks: Ecological consequences on the spatial distribution of population densities. <i>Freshwater Biology</i> , 2018, 63, 22-32.	2.4	66
50	Similarity and Specialization of the Larval versus Adult Diet of European Butterflies and Moths. <i>American Naturalist</i> , 2011, 178, 372-382.	2.1	65
51	Assessing different components of diversity across a river network using eDNA. <i>Environmental DNA</i> , 2019, 1, 290-301.	5.8	64
52	Populations in small, ephemeral habitat patches may drive dynamics in a <i>Daphnia magna</i> metapopulation. <i>Ecology</i> , 2010, 91, 2975-2982.	3.2	63
53	Generalized receptor law governs phototaxis in the phytoplankton <i>Euglena gracilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7045-7050.	7.1	60
54	Agriculture versus wastewater pollution as drivers of macroinvertebrate community structure in streams. <i>Science of the Total Environment</i> , 2019, 659, 1256-1265.	8.0	60

#	ARTICLE	IF	CITATIONS
55	Temperature-related shifts in butterfly phenology depend on the habitat. <i>Global Change Biology</i> , 2012, 18, 2429-2438.	9.5	58
56	Condition-dependent movement and dispersal in experimental metacommunities. <i>Ecology Letters</i> , 2015, 18, 954-963.	6.4	58
57	Shedding light on eDNA: neither natural levels of UV radiation nor the presence of a filter feeder affect eDNA-based detection of aquatic organisms. <i>PLoS ONE</i> , 2018, 13, e0195529.	2.5	58
58	Human activities' fingerprint on multitrophic biodiversity and ecosystem functions across a major river catchment in China. <i>Global Change Biology</i> , 2020, 26, 6867-6879.	9.5	56
59	How life-history traits affect ecosystem properties: effects of dispersal in meta-ecosystems. <i>Oikos</i> , 2017, 126, 532-546.	2.7	54
60	Microbial community shifts in streams receiving treated wastewater effluent. <i>Science of the Total Environment</i> , 2020, 709, 135727.	8.0	52
61	Diversity and Distribution of Freshwater Amphipod Species in Switzerland (Crustacea: Amphipoda). <i>PLoS ONE</i> , 2014, 9, e110328.	2.5	49
62	Experimental evidence for male biased flight-to-flight behavior in two moth species. <i>Entomologia Experimentalis Et Applicata</i> , 2009, 130, 259-265.	1.4	48
63	Sediment Respiration Pulses in Intermittent Rivers and Ephemeral Streams. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1251-1263.	4.9	48
64	Morphologically Cryptic Amphipod Species Are "Ecological Clones" at Regional but Not at Local Scale: A Case Study of Four <i>Niphargus</i> Species. <i>PLoS ONE</i> , 2015, 10, e0134384.	2.5	48
65	Advancing the use of molecular methods for routine freshwater macroinvertebrate biomonitoring "the need for calibration experiments. <i>Metabarcoding and Metagenomics</i> , 0, 3, .	0.0	48
66	Information use shapes the dynamics of range expansions into environmental gradients. <i>Global Ecology and Biogeography</i> , 2017, 26, 400-411.	5.8	47
67	Metapopulation Dynamics on Ephemeral Patches. <i>American Naturalist</i> , 2015, 185, 183-195.	2.1	45
68	Leaf litter diversity and structure of microbial decomposer communities modulate litter decomposition in aquatic systems. <i>Functional Ecology</i> , 2018, 32, 522-532.	3.6	44
69	Application of Environmental DNA Metabarcoding for Predicting Anthropogenic Pollution in Rivers. <i>Environmental Science &amp; Technology</i> , 2018, 52, 11708-11719.	10.0	44
70	Principles of Ecology Revisited: Integrating Information and Ecological Theories for a More Unified Science. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	44
71	Genomics meets remote sensing in global change studies: monitoring and predicting phenology, evolution and biodiversity. <i>Current Opinion in Environmental Sustainability</i> , 2017, 29, 177-186.	6.3	42
72	Generation and application of river network analogues for use in ecology and evolution. <i>Ecology and Evolution</i> , 2020, 10, 7537-7550.	1.9	41

#	ARTICLE	IF	CITATIONS
73	Density-dependent movement and the consequences of the Allee effect in the model organism <i>Tetrahymena</i> . <i>Journal of Animal Ecology</i> , 2015, 84, 712-722.	2.8	40
74	Experimental evidence for strong stabilizing forces at high functional diversity of aquatic microbial communities. <i>Ecology</i> , 2015, 96, 1340-1350.	3.2	40
75	How to design optimal eDNA sampling strategies for biomonitoring in river networks. <i>Environmental DNA</i> , 2021, 3, 157-172.	5.8	40
76	The influence of pool volume and summer desiccation on the production of the resting and dispersal stage in a <i>Daphnia</i> metapopulation. <i>Oecologia</i> , 2008, 157, 441-452.	2.0	39
77	Classical metapopulation dynamics and eco-evolutionary feedbacks in dendritic networks. <i>Ecography</i> , 2017, 40, 1455-1466.	4.5	39
78	Desiccation of Rock Pool Habitats and Its Influence on Population Persistence in a <i>Daphnia</i> Metacommunity. <i>PLoS ONE</i> , 2009, 4, e4703.	2.5	39
79	Comparing the performance of 12S mitochondrial primers for fish environmental DNA across ecosystems. <i>Environmental DNA</i> , 2021, 3, 1113-1127.	5.8	38
80	Parasites promote host gene flow in a metapopulation. <i>Evolutionary Ecology</i> , 2007, 21, 561-575.	1.2	37
81	Landscape-level predictions of diversity in river networks reveal opposing patterns for different groups of macroinvertebrates. <i>Aquatic Ecology</i> , 2016, 50, 283-295.	1.5	36
82	Intransitive competition is common across five major taxonomic groups and is driven by productivity, competitive rank and functional traits. <i>Journal of Ecology</i> , 2018, 106, 852-864.	4.0	36
83	Active colonization dynamics and diversity patterns are influenced by dendritic network connectivity and species interactions. <i>Ecology and Evolution</i> , 2014, 4, 1243-1254.	1.9	35
84	Habitat requirements and ecological niche of two cryptic amphipod species at landscape and local scales. <i>Ecosphere</i> , 2016, 7, e01319.	2.2	34
85	Species turnover and invasion of dominant freshwater invertebrates alter biodiversity-ecosystem-function relationship. <i>Ecological Monographs</i> , 2018, 88, 461-480.	5.4	34
86	Revisiting global trends in freshwater insect biodiversity. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1506.	6.5	34
87	Decision-making and best practices for taxonomy-free environmental DNA metabarcoding in biomonitoring using Hill numbers. <i>Molecular Ecology</i> , 2021, 30, 3326-3339.	3.9	32
88	Species multidimensional effects explain idiosyncratic responses of communities to environmental change. <i>Nature Ecology and Evolution</i> , 2020, 4, 1036-1043.	7.8	32
89	Spatially cascading effect of perturbations in experimental meta-ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161496.	2.6	31
90	The Nagoya Protocol could backfire on the Global South. <i>Nature Ecology and Evolution</i> , 2018, 2, 917-919.	7.8	31

#	ARTICLE	IF	CITATIONS
91	Seasonality in the altitude diversity pattern of Alpine moths. <i>Basic and Applied Ecology</i> , 2010, 11, 714-722.	2.7	30
92	Interaction of Species Traits and Environmental Disturbance Predicts Invasion Success of Aquatic Microorganisms. <i>PLoS ONE</i> , 2012, 7, e45400.	2.5	30
93	Extinction cascades partially estimate herbivore losses in a complete Lepidoptera plant food web. <i>Ecology</i> , 2013, 94, 1785-1794.	3.2	29
94	Nonlinear higher order abiotic interactions explain riverine biodiversity. <i>Journal of Biogeography</i> , 2018, 45, 628-639.	3.0	29
95	Evolution of density dependent movement during experimental range expansions. <i>Journal of Evolutionary Biology</i> , 2017, 30, 2165-2176.	1.7	28
96	Dispersal syndromes can impact ecosystem functioning in spatially structured freshwater populations. <i>Biology Letters</i> , 2019, 15, 20180865.	2.3	28
97	Spatial clustering of habitat structure effects patterns of community composition and diversity. <i>Ecology</i> , 2012, 93, 1125-1133.	3.2	27
98	Do priority effects outweigh environmental filtering in a guild of dominant freshwater macroinvertebrates?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180205.	2.6	27
99	Scale and scope matter when explaining varying patterns of community diversity in riverine metacommunities. <i>Basic and Applied Ecology</i> , 2016, 17, 134-144.	2.7	26
100	Structural changes within trophic levels are constrained by within family assembly rules at lower trophic levels. <i>Ecology Letters</i> , 2018, 21, 1221-1228.	6.4	26
101	Regulation of the functional structure of aquatic communities across spatial scales in a major river network. <i>Ecology</i> , 2019, 100, e02633.	3.2	26
102	Metaecosystem dynamics drive community composition in experimental, multi-layered spatial networks. <i>Oikos</i> , 2020, 129, 402-412.	2.7	26
103	Demographic stochasticity and resource autocorrelation control biological invasions in heterogeneous landscapes. <i>Oikos</i> , 2017, 126, 1554-1563.	2.7	25
104	Subsidies mediate interactions between communities across space. <i>Oikos</i> , 2017, 126, 972-979.	2.7	25
105	Environmental DNA gives comparable results to morphology-based indices of macroinvertebrates in a large-scale ecological assessment. <i>PLoS ONE</i> , 2021, 16, e0257510.	2.5	25
106	The ghost of disturbance past: long-term effects of pulse disturbances on community biomass and composition. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200678.	2.6	24
107	A short term benefit for outcrossing in a <i>Daphnia</i> metapopulation in relation to parasitism. <i>Journal of the Royal Society Interface</i> , 2007, 4, 777-785.	3.4	23
108	Spatio-temporal patterns of multi-trophic biodiversity and food-web characteristics uncovered across a river catchment using environmental DNA. <i>Communications Biology</i> , 2022, 5, 259.	4.4	23

#	ARTICLE	IF	CITATIONS
109	Disturbance reverses classic biodiversity predictions in river-like landscapes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20182441.	2.6	22
110	Global quantitative synthesis of ecosystem functioning across climatic zones and ecosystem types. <i>Global Ecology and Biogeography</i> , 2020, 29, 1139-1176.	5.8	22
111	Dynamic species classification of microorganisms across time, abiotic and biotic environmentsâ€”A sliding window approach. <i>PLoS ONE</i> , 2017, 12, e0176682.	2.5	21
112	Niches within a niche: ecological differentiation of subterranean amphipods across Europe's interstitial waters. <i>Ecography</i> , 2019, 42, 1212-1223.	4.5	21
113	Patterns or mechanisms? Bergmannâ€™s and Rapoportâ€™s rule in moths along an elevational gradient. <i>Community Ecology</i> , 2016, 17, 137-148.	0.9	20
114	Habitat characteristics and metapopulation dynamics of the copepod <i>Tigriopus californicus</i> . <i>Marine Ecology - Progress Series</i> , 2012, 468, 85-93.	1.9	18
115	Translating <i>Niphargus</i> barcodes from Switzerland into taxonomy with a description of two new species (Amphipoda, Niphargidae). <i>ZooKeys</i> , 2018, 760, 113-141.	1.1	18
116	A hotspot of groundwater amphipod diversity on a crossroad of evolutionary radiations. <i>Diversity and Distributions</i> , 2022, 28, 2765-2777.	4.1	18
117	Consideration of Multitrophic Biodiversity and Ecosystem Functions Improves Indices on River Ecological Status. <i>Environmental Science &amp; Technology</i> , 2021, 55, 16434-16444.	10.0	18
118	Taxonomic, phylogenetic and ecological diversity of <i>Niphargus</i> (Amphipoda: Crustacea) in the HÄ¶lloch cave system (Switzerland). <i>Systematics and Biodiversity</i> , 2017, 15, 218-237.	1.2	16
119	Disentangling the co-structure of multilayer interaction networks: degree distribution and module composition in two-layer bipartite networks. <i>Scientific Reports</i> , 2017, 7, 15465.	3.3	16
120	Landscape configuration alters spatial arrangement of terrestrial-aquatic subsidies in headwater streams. <i>Landscape Ecology</i> , 2018, 33, 1519-1531.	4.2	16
121	Metapopulations revisited: the areaâ€”dependence of dispersal matters. <i>Ecology</i> , 2019, 100, e02792.	3.2	16
122	Removal of Waterborne Viruses by <i>Tetrahymena pyriformis</i> Is Virus-Specific and Coincides with Changes in Protist Swimming Speed. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4062-4070.	10.0	16
123	Spatial patterns of genetic diversity, community composition and occurrence of native and non-native amphipods in naturally replicated tributary streams. <i>BMC Ecology</i> , 2016, 16, 23.	3.0	15
124	Mapping biodiversity hotspots of fish communities in subtropical streams through environmental DNA. <i>Scientific Reports</i> , 2021, 11, 10375.	3.3	15
125	Lessons from the macroinvertebrates: speciesâ€”genetic diversity correlations highlight important dissimilar relationships. <i>Freshwater Biology</i> , 2016, 61, 1819-1829.	2.4	14
126	Gene swamping alters evolution during range expansions in the protist <i>Tetrahymena thermophila</i> . <i>Biology Letters</i> , 2020, 16, 20200244.	2.3	14



#	ARTICLE	IF	CITATIONS
127	Dispersal Dynamics in Food Webs. <i>American Naturalist</i> , 2015, 185, 157-168.	2.1	13
128	How pulse disturbances shape sizeâ€abundance pyramids. <i>Ecology Letters</i> , 2020, 23, 1014-1023.	6.4	13
129	Gap analysis for DNA-based biomonitoring of aquatic ecosystems in China. <i>Ecological Indicators</i> , 2022, 137, 108732.	6.3	13
130	Upstream trophic structure modulates downstream community dynamics via resource subsidies. <i>Ecology and Evolution</i> , 2017, 7, 5724-5731.	1.9	12
131	Nonlinear Effects of Intraspecific Competition Alter Landscape-Wide Scaling Up of Ecosystem Function. <i>American Naturalist</i> , 2020, 195, 432-444.	2.1	12
132	Citizen science approach reveals groundwater fauna in Switzerland and a new species of <i>Niphargus</i> (Amphipoda, Niphargidae). <i>Subterranean Biology</i> , 0, 39, 1-31.	5.0	12
133	Integrating fundamental processes to understand ecoâ€evolutionary community dynamics and patterns. <i>Functional Ecology</i> , 2021, 35, 2138-2155.	3.6	11
134	Recent trends in stream macroinvertebrates: warm-adapted and pesticide-tolerant taxa increase in richness. <i>Biology Letters</i> , 2022, 18, 20210513.	2.3	11
135	The Genotype Specific Competitive Ability Does Not Correlate with Infection in Natural <i>Daphnia magna</i> Populations. <i>PLoS ONE</i> , 2007, 2, e1280.	2.5	10
136	Invasive plants threaten the least mobile butterflies in Switzerland. <i>Diversity and Distributions</i> , 2017, 23, 185-195.	4.1	10
137	Fluvial network topology shapes communities of native and nonâ€native amphipods. <i>Ecosphere</i> , 2018, 9, e02102.	2.2	9
138	Evolution in interacting species alters predator life-history traits, behaviour and morphology in experimental microbial communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200652.	2.6	9
139	Evolution under pH stress and high population densities leads to increased densityâ€dependent fitness in the protist <i>Tetrahymena thermophila</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 573-586.	2.3	9
140	On biological evolution and environmental solutions. <i>Science of the Total Environment</i> , 2020, 724, 138194.	8.0	9
141	Unlocking our understanding of intermittent rivers and ephemeral streams with genomic tools. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 574-583.	4.0	9
142	Dispersal behaviour and riverine network connectivity shape the genetic diversity of freshwater amphipod metapopulations. <i>Molecular Ecology</i> , 2021, 30, 6551-6565.	3.9	9
143	Monophyly of the Moitessieriidae Bourguignat, 1863 (Caenogastropoda: Truncatelloidea). <i>Folia Malacologica</i> , 2019, 27, 61-70.	0.2	9
144	Outâ€ofâ€sample predictions from plantâ€insect food webs: robustness to missing and erroneous trophic interaction records. <i>Ecological Applications</i> , 2015, 25, 1953-1961.	3.8	8

#	ARTICLE	IF	CITATIONS
145	Description of a widely distributed but overlooked amphipod species in the European Alps. <i>Zoological Journal of the Linnean Society</i> , 2016, , .	2.3	8
146	A meeting framework for inclusive and sustainable science. <i>Nature Ecology and Evolution</i> , 2020, 4, 668-671.	7.8	8
147	Optimal Channel Networks accurately model ecologically-relevant geomorphological features of branching river networks. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	6.8	8
148	Monitoring invasive alien macroinvertebrate species with environmental <sc>DNA</sc>. <i>River Research and Applications</i> , 2022, 38, 1400-1412.	1.7	7
149	Integrative research efforts at the boundary of biodiversity and global change research. <i>Current Opinion in Environmental Sustainability</i> , 2017, 29, 215-222.	6.3	6
150	On Embedding Meta-ecosystems into a Socioecological Framework: A Reply to Renaud et al.. <i>Trends in Ecology and Evolution</i> , 2018, 33, 484-486.	8.7	5
151	Differential resource consumption in leaf litter mixtures by native and non-native amphipods. <i>Aquatic Ecology</i> , 2019, 53, 151-162.	1.5	5
152	Environmental DNA simultaneously informs hydrological and biodiversity characterization of an Alpine catchment. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 735-753.	4.9	5
153	Selection on growth rate and local adaptation drive genomic adaptation during experimental range expansions in the protist <i>Tetrahymena thermophila</i>. <i>Journal of Animal Ecology</i> , 2022, 91, 1088-1103.	2.8	5
154	»A triad of kicknet sampling, eDNA metabarcoding, and predictive modeling to assess richness of mayflies, stoneflies and caddisflies in rivers. <i>Metabarcoding and Metagenomics</i> , 0, 6, .	0.0	5
155	Species Interactions Limit the Predictability of Community Responses to Environmental Change. <i>American Naturalist</i> , 2021, 198, 694-705.	2.1	4
156	Environmental versus extra-organismal DNA. <i>Molecular Ecology</i> , 2021, 30, 4606-4607.	3.9	4
157	The importance of indirect effects of climate change adaptations on alpine and pre-Alpine freshwater systems. <i>Ecological Solutions and Evidence</i> , 2022, 3, .	2.0	4
158	Competition alters speciesâ€™ plastic and genetic response to environmental change. <i>Scientific Reports</i> , 2021, 11, 23518.	3.3	4
159	The challenges and opportunities for implementation of eDNA biomonitoring in riverine systems. <i>ARPHA Conference Abstracts</i> , 0, 4, .	0.0	1
160	Patch size distribution affects species invasion dynamics in dendritic networks. <i>Oikos</i> , 2022, 2022, .	2.7	1
161	Environmental threats we can act upon: How to use the science-policy dialogue. <i>Gaia</i> , 2021, 30, 137-137.	0.7	0