Armin W Lorenz

List of Publications by Year
in descending order

55 papers	2,073 citations	159585 30 h-index	243625 44 g-index
55 all docs	55 docs citations	55 times ranked	1941 citing authors

#	Article	IF	Citations
1	A new method for assessing the impact of hydromorphological degradation on the macroinvertebrate fauna of five German stream types. Hydrobiologia, 2004, 516, 107-127.	2.0	149
2	A comparative analysis of restoration measures and their effects on hydromorphology and benthic invertebrates in 26 central and southern European rivers. Journal of Applied Ecology, 2010, 47, 671-680.	4.0	128
3	Upstream river morphology and riparian land use overrule local restoration effects on ecological status assessment. Hydrobiologia, 2013, 704, 489-501.	2.0	102
4	Dispersal as a limiting factor in the colonization of restored mountain streams by plants and macroinvertebrates. Journal of Applied Ecology, 2011, 48, 1241-1250.	4.0	100
5	Effects of reâ€braiding measures on hydromorphology, floodplain vegetation, ground beetles and benthic invertebrates in mountain rivers. Journal of Applied Ecology, 2009, 46, 406-416.	4.0	87
6	Re-Meandering German Lowland Streams: Qualitative and Quantitative Effects of Restoration Measures on Hydromorphology and Macroinvertebrates. Environmental Management, 2009, 44, 745-754.	2.7	76
7	Hydromorphological restoration of running waters: effects on benthic invertebrate assemblages. Freshwater Biology, 2011, 56, 1689-1702.	2.4	67
8	Macrophytes respond to reachâ€scale river restorations. Journal of Applied Ecology, 2012, 49, 202-212.	4.0	67
9	The Importance of the Regional Species Pool, Ecological Species Traits and Local Habitat Conditions for the Colonization of Restored River Reaches by Fish. PLoS ONE, 2014, 9, e84741.	2.5	65
10	Contrasting the roles of section length and instream habitat enhancement for river restoration success: a field study of 20 European restoration projects. Journal of Applied Ecology, 2015, 52, 1518-1527.	4.0	64
11	Do adult and YOY fish benefit from river restoration measures?. Ecological Engineering, 2013, 61, 174-181.	3.6	56
12	Moderate warming over the past 25â€years has already reorganized stream invertebrate communities. Science of the Total Environment, 2019, 658, 1531-1538.	8.0	53
13	Substrate-specific macroinvertebrate diversity patterns following stream restoration. Aquatic Sciences, 2008, 70, 292-303.	1.5	52
14	Time is no healer: increasing restoration age does not lead to improved benthic invertebrate communities in restored river reaches. Science of the Total Environment, 2016, 557-558, 722-732.	8.0	52
15	The AQEM/STAR taxalist â€" a pan-European macro-invertebrate ecological database and taxa inventory. Hydrobiologia, 2006, 566, 325-342.	2.0	49
16	Small and impoverished regional species pools constrain colonisation of restored river reaches by fishes. Freshwater Biology, 2013, 58, 664-674.	2.4	49
17	Typology of streams in Germany based on benthic invertebrates: Ecoregions, zonation, geology and substrate. Limnologica, 2004, 34, 379-389.	1.5	46
18	Effects of sampling and sub-sampling variation using the STAR-AQEM sampling protocol on the precision of macroinvertebrate metrics. Hydrobiologia, 2006, 566, 441-459.	2.0	45

#	Article	IF	Citations
19	Revisiting restored river reaches â€“ Assessing change of aquatic and riparian communities after five years. Science of the Total Environment, 2018, 613-614, 1185-1195.	8.0	45
20	Response of fish assemblages to hydromorphological restoration in central and northern European rivers. Hydrobiologia, 2016, 769, 67-78.	2.0	44
21	Reintroduction of freshwater macroinvertebrates: challenges and opportunities. Biological Reviews, 2019, 94, 368-387.	10.4	43
22	Development and validation of a macroinvertebrate-based biomonitoring tool to assess fine sediment impact in small mountain streams. Science of the Total Environment, 2019, 652, 1290-1301.	8.0	43
23	Substratum associations of benthic invertebrates in lowland and mountain streams. Ecological Indicators, 2013, 30, 178-189.	6.3	42
24	Mountain river restoration measures and their success(ion): Effects on river morphology, local species pool, and functional composition of three organism groups. Ecological Indicators, 2014, 38, 243-255.	6.3	42
25	Hydromorphological parameters indicating differences between singleâ€•and multipleâ€channel mountain rivers in Germany, in relation to their modification and recovery. Aquatic Conservation: Marine and Freshwater Ecosystems, 2008, 18, 1200-1216.	2.0	39
26	Restoration effort, habitat mosaics, and macroinvertebrates â€” does channel form determine community composition?. Aquatic Conservation: Marine and Freshwater Ecosystems, 2009, 19, 157-169.	2.0	39
27	A multi-trait approach for the identification and protection of European freshwater species that are potentially vulnerable to the impacts of climate change. Ecological Indicators, 2015, 50, 150-160.	6.3	37
28	`Electronic subsampling' of macrobenthic samples: how many individuals are needed for a valid assessment result?. Hydrobiologia, 2004, 516, 299-312.	2.0	36
29	Integrating and extending ecological river assessment: Concept and test with two restoration projects. Ecological Indicators, 2017, 72, 131-141.	6.3	35
30	Recolonisation patterns of benthic invertebrates: a field investigation of restored former sewage channels. Freshwater Biology, 2014, 59, 1932-1944.	2.4	32
31	Fish community responses and the temporal dynamics of recovery following river habitat restorations in Europe. Freshwater Science, 2015, 34, 975-990.	1.8	28
32	River restoration and the trophic structure of benthic invertebrate communities across 16 European restoration projects. Hydrobiologia, 2016, 769, 105-120.	2.0	26
33	Hydromorphological restoration stimulates river ecosystem metabolism. Biogeosciences, 2017, 14, 1989-2002.	3.3	22
34	The response of hydrophyte growth forms and plant strategies to river restoration. Hydrobiologia, 2016, 769, 41-54.	2.0	19
35	Diverging response patterns of terrestrial and aquatic species to hydromorphological restoration. Conservation Biology, 2019, 33, 132-141.	4.7	18
36	Start at zero: succession of benthic invertebrate assemblages in restored former sewage channels. Aquatic Sciences, 2016, 78, 683-694.	1.5	16

#	Article	IF	Citations
37	Sample coherence â€“ a field study approach to assess similarity of macroinvertebrate samples. Hydrobiologia, 2006, 566, 461-476.	2.0	14
38	Riparian plant species preferences indicate diversification of site conditions after river restoration. Ecohydrology, 2017, 10, e1852.	2.4	14
39	Effect of river restoration on life-history strategies in fish communities. Science of the Total Environment, 2019, 663, 486-495.	8.0	14
40	Woody buffer effects on water temperature: The role of spatial configuration and daily temperature fluctuations. Hydrological Processes, 2021, 35, e14008.	2.6	13
41	The interplay of nutrients, dissolved inorganic carbon and algae in determining macrophyte occurrences in rivers. Science of the Total Environment, 2021, 781, 146728.	8.0	13
42	A comparison of habitat diversity and interannual habitat dynamics in actively and passively restored mountain rivers of Germany. Hydrobiologia, 2013, 712, 89-104.	2.0	12
43	Continuous riverine biodiversity changes in a 10â€yearsâ€postâ€restorationâ€studyâ€"Impacts and pitfalls. River Research and Applications, 2021, 37, 270-282.	1.7	12
44	Bundles of stream restoration measures and their effects on fish communities. Limnologica, 2015, 55, 1-8.	1.5	10
45	â€˜Electronic Subsamplingâ€™ of Macrobenthic Samples: How Many Individuals are Needed for a Valid Assessment Result?. , 2004, , 299-312.		7
46	Active reintroduction of benthic invertebrates to increase stream biodiversity. Limnologica, 2020, 80, 125726.	1.5	7
47	The effect of lateral connectedness on the taxonomic and functional structure of fish communities in a lowland river floodplain. Science of the Total Environment, 2020, 719, 137169.	8.0	7
48	How to facilitate freshwater macroinvertebrate reintroduction?. Limnologica, 2018, 69, 24-27.	1.5	7
49	Effects of sampling and sub-sampling variation using the STAR-AQEM sampling protocol on the precision of macroinvertebrate metrics. , 2006, , 441-459.		7
50	Generalist parasites persist in degraded environments: a lesson learned from microsporidian diversity in amphipods. Parasitology, 2022, 149, 973-982.	1.5	7
51	The AQEM/STAR taxalist â€" a pan-European macro-invertebrate ecological database and taxa inventory. , 2006, , 325-342.		6
52	Mechanistic modelling for predicting the effects of restoration, invasion and pollution on benthic macroinvertebrate communities in rivers. Freshwater Biology, 2017, 62, 1083-1093.	2.4	5
53	Decline in niche specialization and trait Î²-diversity in benthic invertebrate communities of Central European low-mountain streams over 25Âyears. Science of the Total Environment, 2022, 810, 151770.	8.0	3
54	Insights into species diversity of the genus Hydropsyche Pictet, 1834 (Hydropsychidae, Trichoptera) from the Lake Kinneret catchment (Israel). Aquatic Insects, 2017, 38, 125-140.	0.9	1

#	Article	IF	Citations
55	Sample coherence â€" a field study approach to assess similarity of macroinvertebrate samples. , 2006, , 461-476.		1