## Thomas Mehner

## List of Publications by Year in descending order

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1 Structure of Fish Communities in Lakes and Its Abiotic and Biotic Determinants. , 2022, , 77-88.

2 European fish-based assessment reveals high diversity of systems for determining ecological status of lakes. Science of the Total Environment, 2022, 802, 149620.

8 Fast Somatic Growth May Cause Recruitment Overfishing in Vendace (Coregonus albula) Gillnet 8 Fisheries. Annales Zoologici Fennici, 2021, 58, .
Capacity challenges in water quality monitoring: understanding the role of human development.
Environmental Monitoring and Assessment, 2020, 192, 298. 42

# Size diversity and species diversity relationships in fish assemblages of Western Palearctic lakes. <br> 2.1 <br> 10 <br> Ecography, 2018, 41, 1064-1076. 

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Ecological conditions drive pace-of-life syndromes by shaping relationships between life history,
physiology and behaviour in two populations of Eastern mosquitofish. Scientific Reports, 2018, 8, 14673.

21 Empirical correspondence between trophic transfer efficiency in freshwater food webs and the slope of their size spectra. Ecology, 2018, 99, 1463-1472.
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Testing the devilâ $\epsilon^{T M}$ s impact on southern Baltic and North Sea basins whitefish (Coregonus spp.)
diversity. BMC Evolutionary Biology, 2018, 18, 208.
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Reconciling the opposing effects of warming on phytoplankton biomass in 188 large lakes. Scientific
Reports, 2017, 7, 10762.
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Benthic carbon is inefficiently transferred in the food webs of two eutrophic shallow lakes.
Freshwater Biology, 2017, 62, 1693-1706.
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High stock density impairs growth, female condition and fecundity, but not quality of early
reproductive stages in vendace (Coregonus albula). Fisheries Research, 2017, 186, 159-167.
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## 27 Assessing the Utility of Hydrogen, Carbon and Nitrogen Stable Isotopes in Estimating Consumer <br> Allochthony in Two Shallow Eutrophic Lakes. PLoS ONE, 2016, 11, e0155562.

Tank size alters mean behaviours and individual rank orders in personality traits of fish depending on their life stage. Animal Behaviour, 2016, 115, 127-135.
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## Emergence and development of personality over the ontogeny of fish in absence of environmental

stress factors. Behavioral Ecology and Sociobiology, 2016, 70, 2027-2037.
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Early detection of reproduction deficits and the compensatory potential of enhancement stocking
30 for vendace, <i>Coregonus albula<li>, fisheries in Cerman lakes. Fisheries Management and Ecology,
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7 2016, 23, 55-65.

## 31 Weak Response of Animal Allochthony and Production to Enhanced Supply of Terrestrial Leaf Litter in <br> Nutrient-Rich Lakes. Ecosystems, 2016, 19, $311-325$.

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Behaviour in a standardized assay, but not metabolic or growth rate, predicts behavioural variation
32 in an adult aquatic top predator <i>Esox lucius</i> in the wild. Journal of Fish Biology, 2016, 88,
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1544-1563.

33 Effects of fish predation on density and size spectra of prey fish communities in lakes. Canadian
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Journal of Fisheries and Aquatic Sciences, 2016, 73, 506-518.
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Density-dependent effects as key drivers of intraspecific size structure of six abundant fish species in

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Predation and competition effects on the size diversity of aquatic communities. Aquatic Sciences, 2015,
77, 45-57.
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Partial diel vertical migration of sympatric vendace (<i>Coregonus albula</i>) and Fontane cisco
37 ( i$\rangle$ Coregonus fontanae</i>) is driven by density dependence. Canadian Journal of Fisheries and
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Aquatic Sciences, 2015, 72, 116-124.
Contrasting response of two shallow eutrophic cold temperate lakes to a partial winterkill of fish.
38 Hydrobiologia, 2015, 749, 31-42.
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Geographical patterns in the bodyâ€size structure of European lake fish assemblages along abiotic and
biotic gradients. Journal of Biogeography, 2014, 41, 2221-2233.

Enhanced Input of Terrestrial Particulate Organic Matter Reduces the Resilience of the Clear-Water
State of Shallow Lakes: A Model Study. Ecosystems, 2014, 17, 616-626.
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Wholeâ€lake experiments reveal the fate of terrestrial particulate organic carbon in benthic food webs
of shallow lakes. Ecology, 2014, 95, 1496-1505.
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of shallow lakes. Ecology, 2014, 95, 1496-1505.

A typology for fish-based assessment of the ecological status of lowland lakes with description of the reference fish communities. Limnologica, 2014, 49, 18-25.
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The influence of anthropogenic shoreline changes on the littoral abundance of fish species in
43 German lowland lakes varying in depth as determined by boosted regression trees. Hydrobiologia,
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2014, 724, 293-306.
The effect of predation pressure and predator adaptive foraging on the relative importance of
44 consumptive and nonâ€consumptive predator net effects in a freshwater model system. Oikos, 2014, 123,
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45 Boomerang ecosystem fluxes: organic carbon inputs from land to lakes are returned to terrestrial
food webs via aquatic insects. Oikos, 2014, 123, 1439-1448.

46 Spatial predictors of fish species composition in European lowland lakes. Ecography, 2014, 37, 73-79.
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A feedback loop links brownification and anoxia in a temperate, shallow lake. Limnology and
Oceanography, 2014, 59, 1388-1398. $\quad 1.641 .6$
Effects of predation pressure and resource use on morphological divergence in omnivorous prey fish.

49 BMC Evolutionary Biology, 2013, 13, 132.
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A regime shift from macrophyte to phytoplankton dominance enhances carbon burial in a shallow, eutrophic lake. Ecosphere, 2013, 4, 1-17.
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51 Hevelopment of a fish-oased index to

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biomass in stratified lakes. Freshwater Biology, 2012, 57, 2436-2448.

Ecological commonalities among pelagic fishes: comparison of freshwater ciscoes and marine herring
and sprat. Marine Biology, 2012, 159, 2583-2603.
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Plasticity in habitat use determines metabolic response of fish to global warming in stratified lakes.
Oecologia, 2012, 170, 275-287.

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Size-dependent patterns of diel vertical migration: smaller fish may benefit from faster ascent.
Behavioral Ecology, 2012, 23, 210-217.
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Impacts of climate warming on the long-term dynamics of key fish species in 24 European lakes. Hydrobiologia, 2012, 694, 1-39.

Intraspecific temperature dependence of the scaling of metabolic rate with body mass in fishes and its ecological implications. Oikos, 2012, 121, 245-251.

Diel vertical migration of freshwater fishes â€" proximate triggers, ultimate causes and research perspectives. Freshwater Biology, 2012, 57, 1342-1359.

Energetic costs and benefits of cyclic habitat switching: a bioenergetics model analysis of diel vertical migration in coregonids. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 706-717.
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Discrete thermal windows cause opposite response of sympatric cold-water fish species to annual temperature variability. Ecosphere, 2011, 2, art104.
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61 Partial diel vertical migrations in pelagic fish. Journal of Animal Ecology, 2011, 80, 761-770.
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migrating fish. Freshwater Biology, 2011, 56, 1554-1566.

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64 Summary and perspective on evolutionary ecology of fishes. Evolutionary Ecology, 2011, 25, 547-556.
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River Research and Applications, 2011, 27, 1253-1263.

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Genetic population structure of sympatric and allopatric populations of Baltic ciscoes (Coregonus) Tj ETQq1 10.784314 rgBT ${ }_{3.2}$ Overlo

Temperatureâ€related nocturnal vertical segregation of coexisting coregonids. Ecology of Freshwater Fish, 2010, 19, 408-419.

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A test of food web hypotheses by exploring time series of fish, zooplankton and phytoplankton in an oligo-mesotrophic lake. Limnologica, 2008, 38, 179-188.
91 Determinants of habitat use in large roach. Journal of Fish Biology, 2006, 69, 1136-1150. 0.7

92 The effect of temperature on mortality in small perch marked with coded wire tags. Journal of Fish Biology, 2006, 69, 1255-1260.
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93 Correlations between type-indicator fish species and lake productivity in German lowland lakes.
Journal of Fish Biology, 2006, 68, 1144-1157.
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Freshwater Fish, 2005, 14, 87-95.
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> 101 Interactions between juvenile roach or perch and their invertebrate prey in littoral reed versus open
> water enclosures. Ecology of Freshwater Fish, 2005, 14, 150-160.

Distribution and feeding of juvenile fish on invertebrates in littoral reed (Phragmites) stands.
102 Ecology of Freshwater Fish, 2005, 14, 139-149.
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Simulation of trait- and density-mediated indirect effects induced by piscivorous predators. Basic and
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Applied Ecology, 2005, 6, 289-300.

Determinants of management preferences of recreational anglers in Germany: Habitat management
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and recruitment: a balance. Archiv FÃ1/4r Hydrobiologie, 2004, 160, 1-23.
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Coupling insights from a carp, Cyprinus carpio, angler survey with feeding experiments to evaluate
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How to link biomanipulation and sustainable fisheries management: a step-by-step guideline for lakes of the European temperate zone. Fisheries Management and Ecology, 2004, 11, 261-275.
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A Management-Orientated Comparative Analysis of Urban and Rural Anglers Living in a Metropolis (Berlin, Germany). Environmental Management, 2004, 33, 331-344.
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Pelagic trophic transfer efficiency in an oligotrophic, dimictic deep lake (Lake Stechlin, Germany) and
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113 Pelagic trophic transfer efficiency in an oligotrophic, dimictic

Reduction of nutrient loading, planktivore removal and piscivore stocking as tools in water quality management: The feldberger haussee biomanipulation project. Limnologica, 2003, 33, 190-204.
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117 Management preferences of urban anglers. Fisheries, 2003, 28, 10-17.
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122 Biomanipulation of lake ecosystems: an introduction. Freshwater Biology, 2002, 47, 2277-2281.
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Effects of piscivore-mediated habitat use on growth, diet and zooplankton consumption of roach: an
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individual-based modelling approach. Freshwater Biology, 2002, 47, 2345-2358.

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| 128 | Title is missing!. Hydrobiologia, 2002, 479, 169-180. | 1.0 | 26 |
| 129 | Interaction between prey availability and feeding behaviour of age-1 and age-2 perch (Perca fluviatilis) Tj ET |  | rgB |
| 130 | Stocking, population development and food composition of pike Esox lucius in the biomanipulated Feldberger Haussee (Germany) â€" Implications for fisheries management. Limnologica, 2001, 31, 45-51. | 0.7 | 16 |
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\begin{aligned}
& 137 \text { Is the difference in population dynamics of Daphnia galeata in littoral and pelagic areas of a long-term } \\
& \text { biomanipulated reservoir affected by age-0 fish predation?., 1999, ,57-63. }
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Direct Estimation of Food Consumption of Juvenile Fish in a Shallow Inlet of the Southern Baltic.

Effects of temperature on allocation of metabolic energy in perch (Perca fluviatilis) fed submaximal

Energetics and metabolic correlates of starvation in juvenile perch (Perca fluviatilis). Journal of Fish
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