Norbert Kamjunke

List of Publications by Year
in descending order

60	1,769	279798 23	302126 39
papers	citations	h-index	g-index

61	61	61	2080
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mixotrophs combine resource use to outcompete specialists: Implications for aquatic food webs. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12776-12781.	7.1	183
2	Pesticides are the dominant stressors for vulnerable insects in lowland streams. Water Research, 2021, 201, 117262.	11.3	118
3	The Bode hydrological observatory: a platform for integrated, interdisciplinary hydro-ecological research within the TERENO Harz/Central German Lowland Observatory. Environmental Earth Sciences, 2017, 76, 1.	2.7	93
4	Inorganic Carbon Limitation and Mixotrophic Growth in Chlamydomonas from an Acidic Mining Lake. Protist, 2005, 156, 63-75.	1.5	89
5	Phosphorus gain by bacterivory promotes the mixotrophic flagellate Dinobryon spp. during re-oligotrophication. Journal of Plankton Research, 2006, 29, 39-46.	1.8	72
6	Tracing dissolved organic matter (DOM) from land-based aquaculture systems in North Patagonian streams. Science of the Total Environment, 2015, 537, 129-138.	8.0	69
7	A new approach for evaluating transformations of dissolved organic matter (DOM) via high-resolution mass spectrometry and relating it to bacterial activity. Water Research, 2017, 123, 513-523.	11.3	52
8	Quality of dissolved organic matter affects planktonic but not biofilm bacterial production in streams. Science of the Total Environment, 2015, 506-507, 353-360.	8.0	51
9	Molecular change of dissolved organic matter and patterns of bacterial activity in a stream along a land-use gradient. Water Research, 2019, 164, 114919.	11.3	50
10	Consumption of cyanobacteria by roach (Rutilus rutilus): useful or harmful to the fish?. Freshwater Biology, 2002, 47, 243-250.	2.4	48
11	Biogeochemical patterns in a river network along a land use gradient. Environmental Monitoring and Assessment, 2013, 185, 9221-9236.	2.7	47
12	High Heterotrophic Bacterial Production in Acidic, Iron-Rich Mining Lakes. Microbial Ecology, 2005, 49, 425-433.	2.8	46
13	Strong vertical differences in the plankton composition of an extremely acidic lake. Archiv FÃ¼r Hydrobiologie, 2004, 161, 289-306.	1.1	45
14	ALGAE AS COMPETITORS FOR GLUCOSE WITH HETEROTROPHIC BACTERIA¹. Journal of Phycology, 2008, 44, 616-623.	2.3	45
15	Improved Understanding of Dissolved Organic Matter Processing in Freshwater Using Complementary Experimental and Machine Learning Approaches. Environmental Science & Technology, 2020, 54, 13556-13565.	10.0	38
16	Structural and functional properties of low- and high-diversity planktonic food webs. Journal of Plankton Research, 2006, 28, 707-718.	1.8	37
17	Land-based salmon aquacultures change the quality and bacterial degradation of riverine dissolved organic matter. Scientific Reports, 2017, 7, 43739.	3.3	36
18	Phosphorus uptake by Microcystis during passage through fish guts. Limnology and Oceanography, 2003, 48, 2392-2396.	3.1	33

#	Article	IF	Citations
19	Metabolism of dissolved organic carbon by planktonic bacteria and mixotrophic algae in lake neutralisation experiments. Freshwater Biology, 2004, 49, 1062-1071.	2.4	31
20	Photochemically Induced Changes of Dissolved Organic Matter in a Humic-Rich and Forested Stream. Water (Switzerland), 2020, 12, 331.	2.7	30
21	Leucine incorporation by Microcystis aeruginosa. Limnology and Oceanography, 2000, 45, 741-743.	3.1	27
22	Title is missing!. Hydrobiologia, 1999, 403, 109-121.	2.0	26
23	Assimilation of different cyanobacteria as food and the consequences for internal energy stores of juvenile roach. Journal of Fish Biology, 2002, 60, 731-738.	1.6	24
24	Discharge determines production of, decomposition of and quality changes in dissolved organic carbon in pre-dams of drinking water reservoirs. Science of the Total Environment, 2017, 577, 329-339.	8.0	24
25	Disentangling multiple chemical and non-chemical stressors in a lotic ecosystem using a longitudinal approach. Science of the Total Environment, 2021, 769, 144324.	8.0	24
26	Utilisation of terrestrial carbon by osmotrophic algae. Aquatic Sciences, 2009, 71, 46-54.	1.5	23
27	Bacterial and primary production under hypertrophic conditions. Aquatic Microbial Ecology, 1997, 13, 29-35.	1.8	23
28	Trophic interactions of the pelagic ciliate Stentor spp. in North Patagonian lakes. Limnologica, 2009, 39, 107-114.	1.5	22
29	Utilisation of leucine by several phytoplankton species. Limnologica, 2008, 38, 360-366.	1.5	21
30	Use of confocal laser scanning microscopy for biofilm investigation on paints under field conditions. International Biodeterioration and Biodegradation, 2012, 69, 17-22.	3.9	20
31	Relationship between the elemental composition of stream biofilms and water chemistryâ€"a catchment approach. Environmental Monitoring and Assessment, 2015, 187, 432.	2.7	20
32	Coupling the microbial food web with fish: are bacteria attached to cyanobacteria an important food source for underyearling roach?. Freshwater Biology, 2001, 46, 633-639.	2.4	19
33	Lake morphometry and wind exposure may shape the plankton community structure in acidic mining lakes. Limnologica, 2010, 40, 161-166.	1.5	18
34	Tracing Aquatic Priming Effect During Microbial Decomposition of Terrestrial Dissolved Organic Carbon in Chemostat Experiments. Microbial Ecology, 2017, 74, 534-549.	2.8	18
35	Utilisation of dissolved organic carbon from different sources by pelagic bacteria in an acidic mining lake. Archiv FÃ¼r Hydrobiologie, 2006, 165, 355-364.	1.1	17
36	MIXOTROPHIC ALGAE CONSTRAIN THE LOSS OF ORGANIC CARBON BY EXUDATION¹. Journal of Phycology, 2009, 45, 807-811.	2.3	17

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37	Effects of Light and Autochthonous Carbon Additions on Microbial Turnover of Allochthonous Organic Carbon and Community Composition. Microbial Ecology, 2015, 69, 361-371.	2.8	17
38	Consumption of large, Chlorella-bearing ciliates (Stentor) by Mesocyclops araucanus in North Patagonian lakes. Journal of Plankton Research, 2012, 34, 922-927.	1.8	16
39	Bacterial production and their role in the removal of dissolved organic matter from tributaries of drinking water reservoirs. Science of the Total Environment, 2016, 548-549, 51-59.	8.0	16
40	Short communication. Direct and indirect effects of strong grazing by Daphnia galeata on bacterial production in an enclosure experiment. Journal of Plankton Research, 1999, 21, 1175-1182.	1.8	15
41	Similar Bacterial Community Composition in Acidic Mining Lakes with Different pH and Lake Chemistry. Microbial Ecology, 2010, 60, 618-627.	2.8	15
42	Significant habitat effects influence protist fitness: evidence for local adaptation from acidic mining lakes. Ecosphere, 2011, 2, art134.	2.2	15
43	High irradiation and low discharge promote the dominant role of phytoplankton in riverine nutrient dynamics. Limnology and Oceanography, 2021, 66, 2648-2660.	3.1	15
44	Streamside mobile mesocosms (MOBICOS): A new modular research infrastructure for hydroâ€ecological process studies across catchmentâ€scale gradients. International Review of Hydrobiology, 2020, 105, 63-73.	0.9	11
45	Going with the flow: Planktonic processing of dissolved organic carbon in streams. Science of the Total Environment, 2018, 625, 519-530.	8.0	10
46	Response of heterotrophic bacteria, autotrophic picoplankton and heterotrophic nanoflagellates to re-oligotrophication. Journal of Plankton Research, 2009, 31, 899-907.	1.8	9
47	A simplified method of recovering CO2 from bacterioplankton respiration for isotopic analysis. Journal of Microbiological Methods, 2016, 121, 8-10.	1.6	8
48	Biofilm-specific uptake does not explain differences in whole-stream DOC tracer uptake between a forest and an agricultural stream. Biogeochemistry, 2019, 144, 85-101.	3.5	8
49	Title is missing!. Hydrobiologia, 2001, 442, 165-176.	2.0	7
50	New Insights into the Seasonal Variation of DOM Quality of a Humic-Rich Drinking-Water Reservoirâ€”Coupling 2D-Fluorescence and FTICR MS Measurements. Water (Switzerland), 2021, 13, 1703.	2.7	7
51	Quality of Dissolved Organic Matter Driven by Autotrophic and Heterotrophic Microbial Processes in a Large River. Water (Switzerland), 2020, 12, 1577.	2.7	6
52	Temporal Patterns of Methane Emissions From Two Streams With Different Riparian Connectivity. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006104.	3.0	6
53	Large wood in river restoration: A case study on the effects on hydromorphology, biodiversity, and ecosystem functioning. International Review of Hydrobiology, 2022, 107, 34-45.	0.9	6
54	Spatial Variability and Hotspots of Methane Concentrations in a Large Temperate River. Frontiers in Environmental Science, 2022, 10, .	3.3	6

#	Article	IF	Citations
55	Lagrangian profiles of riverine autotrophy, organic matter transformation, and micropollutants at extreme drought. Science of the Total Environment, 2022, 828, 154243.	8.0	6
56	Polymerized coumaric acid as a model substrate for terrestrial-derived dissolved organic carbon utilized by aquatic microorganisms. Journal of Microbiological Methods, 2008, 73, 237-241.	1.6	5
57	Non-cooperative behaviour of bacteria prevents efficient phosphorus utilization of planktonic communities. Journal of Plankton Research, 2012, 34, 102-112.	1.8	4
58	Temperature affects the response of heterotrophic bacteria and mixotrophic algae to enhanced concentrations of soil extract. Hydrobiologia, 2010, 649, 379-383.	2.0	3
59	A Test Device for Microalgal Antifouling Using Fluctuating pH Values on Conductive Paints. Water (Switzerland), 2020, 12, 1597.	2.7	1
60	Assimilation of different cyanobacteria as food and the consequences for internal energy stores of juvenile roach. Journal of Fish Biology, 2002, 60, 731-738.	1.6	0