Kimmo K Kahilainen

List of Publications by Year
in descending order

75 papers	3,002 citations	147801 31 h-index	182427 51 g-index
78 all docs	78 docs citations	78 times ranked	2690 citing authors

#	Article	IF	Citations
1	Resource use of crucian carp along a lake productivity gradient is related to body size, predation risk, and resource competition. Ecology of Freshwater Fish, 2023, 32, 10-22.	1.4	4
2	Circumpolar patterns of Arctic freshwater fish biodiversity: A baseline for monitoring. Freshwater Biology, 2022, 67, 176-193.	2.4	17
3	Multitrophic biodiversity patterns and environmental descriptors of subâ€Arctic lakes in northern Europe. Freshwater Biology, 2022, 67, 30-48.	2.4	17
4	First circumpolar assessment of Arctic freshwater phytoplankton and zooplankton diversity: Spatial patterns and environmental factors. Freshwater Biology, 2022, 67, 141-158.	2.4	13
5	Ecology and extent of freshwater browning - What we know and what should be studied next in the context of global change. Science of the Total Environment, 2022, 812, 152420.	8.0	31
6	Winter ecology of specialist and generalist morphs of European whitefish, Coregonus lavaretus, in subarctic northern Europe. Journal of Fish Biology, 2022, 101, 389-399.	1.6	5
7	Climate change and mercury in the Arctic: Abiotic interactions. Science of the Total Environment, 2022, 824, 153715.	8.0	42
8	Climate change and mercury in the Arctic: Biotic interactions. Science of the Total Environment, 2022, 834, 155221.	8.0	24
9	Distance decay 2.0 â€“ A global synthesis of taxonomic and functional turnover in ecological communities. Global Ecology and Biogeography, 2022, 31, 1399-1421.	5.8	40
10	Allochthony, fatty acid and mercury trends in muscle of Eurasian perch (Perca fluviatilis) along boreal environmental gradients. Science of the Total Environment, 2022, , 155982.	8.0	2
11	Allopatric origin of sympatric whitefish morphs with insights on the genetic basis of their reproductive isolation. Evolution; International Journal of Organic Evolution, 2022, 76, 1905-1913.	2.3	0
12	Increasing temperature and productivity change biomass, trophic pyramids and communityâ€level omegaâ€3 fatty acid content in subarctic lake food webs. Global Change Biology, 2021, 27, 282-296.	9.5	29
13	Nutritional quality of littoral macroinvertebrates and pelagic zooplankton in subarctic lakes. Limnology and Oceanography, 2021, 66, S81.	3.1	19
14	Predator community and resource use jointly modulate the inducible defense response in body height of crucian carp. Ecology and Evolution, 2021, 11, 2072-2085.	1.9	4
15	Environmental and biological factors are joint drivers of mercury biomagnification in subarctic lake food webs along a climate and productivity gradient. Science of the Total Environment, 2021, 779, 146261.	8.0	17
16	High Mercury Concentrations of European Perch (Perca fluviatilis) in Boreal Headwater Lakes with Variable History of Acidification and Recovery. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	4
17	Population niche breadth and individual trophic specialisation of fish along a climate-productivity gradient. Reviews in Fish Biology and Fisheries, 2021, 31, 1025-1043.	4.9	8
18	A brain and a head for a different habitat: Size variation in four morphs of Arctic charr (Salvelinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	8

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19	Using mathematical modelling to investigate the adaptive divergence of whitefish in Fennoscandia. Scientific Reports, 2020, 10, 7394.	3.3	7
20	Seasonal changes in European whitefish muscle and invertebrate prey fatty acid composition in a subarctic lake. Freshwater Biology, 2019, 64, 1908-1920.	2.4	18
21	Improved Environmental Status: 50 Years of Declining Fish Mercury Levels in Boreal and Subarctic Fennoscandia. Environmental Science & Technology, 2019, 53, 1834-1843.	10.0	20
22	A way forward with eco evo devo: an extended theory of resource polymorphism with postglacial fishes as model systems. Biological Reviews, 2019, 94, 1786-1808.	10.4	88
23	From clear lakes to murky waters â€“ tracing the functional response of highâ€latitude lake communities to concurrent â€˜greeningâ€™ and â€˜browningâ€™. Ecology Letters, 2019, 22, 807-816.	6.4	58
24	Resource polymorphism in European whitefish: Analysis of fatty acid profiles provides more detailed evidence than traditional methods alone. PLoS ONE, 2019, 14, e0221338.	2.5	11
25	Trophic ecology of piscivorous Arctic charr (Salvelinus alpinus (L.)) in subarctic lakes with contrasting food-web structures. Hydrobiologia, 2019, 840, 227-243.	2.0	8
26	Diversifying selection drives parallel evolution of gill raker number and body size along the speciation continuum of European whitefish. Ecology and Evolution, 2018, 8, 2617-2631.	1.9	32
27	<scp>tRophicPosition</scp>, an <scp>r</scp> package for the Bayesian estimation of trophic position from consumer stable isotope ratios. Methods in Ecology and Evolution, 2018, 9, 1592-1599.	5.2	186
28	Fishes in a changing world: learning from the past to promote sustainability of fish populations. Journal of Fish Biology, 2018, 92, 804-827.	1.6	51
29	Climate and productivity affect total mercury concentration and bioaccumulation rate of fish along a spatial gradient of subarctic lakes. Science of the Total Environment, 2018, 637-638, 1586-1596.	8.0	29
30	Latitudinal variation in sexual dimorphism in lifeâ€history traits of a freshwater fish. Ecology and Evolution, 2017, 7, 665-673.	1.9	20
31	Conceptualising the interactive effects of climate change and biological invasions on subarctic freshwater fish. Ecology and Evolution, 2017, 7, 4109-4128.	1.9	48
32	Climate and productivity shape fish and invertebrate community structure in subarctic lakes. Freshwater Biology, 2017, 62, 990-1003.	2.4	54
33	Ecological speciation in a generalist consumer expands the trophic niche of a dominant predator. Scientific Reports, 2017, 7, 8765.	3.3	21
34	Total mercury concentrations in liver and muscle of European whitefish (Coregonus lavaretus (L.)) in a subarctic lake - Assessing the factors driving year-round variation. Environmental Pollution, 2017, 231, 1518-1528.	7.5	31
35	Polyunsaturated fatty acids in fishes increase with total lipids irrespective of feeding sources and trophic position. Ecosphere, 2017, 8, e01753.	2.2	53
36	Ecomorphological divergence drives differential mercury bioaccumulation in polymorphic European whitefish (Coregonus lavaretus) populations of subarctic lakes. Science of the Total Environment, 2017, 599-600, 1768-1778.	8.0	21

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37	Ecology under lake ice. Ecology Letters, 2017, 20, 98-111.	6.4	320
38	Foodâ€web structure and mercury dynamics in a large subarctic lake following multiple species introductions. Freshwater Biology, 2016, 61, 500-517.	2.4	38
39	Reliance of brown trout on terrestrial prey varies with season but not fish density. Freshwater Biology, 2016, 61, 1143-1156.	2.4	11
40	Lake eutrophication and brownification downgrade availability and transfer of essential fatty acids for human consumption. Environment International, 2016, 96, 156-166.	10.0	127
41	Terrestrial carbohydrates support freshwater zooplankton during phytoplankton deficiency. Scientific Reports, 2016, 6, 30897.	3.3	64
42	Terrestrial prey fuels the fish population of a small, high-latitude lake. Aquatic Sciences, 2016, 78, 695-706.	1.5	22
43	Visual pigments of Arctic charr (Salvelinus alpinus (L.)) and whitefish (Coregonus lavaretus (L.)) morphs in subarctic lakes. Hydrobiologia, 2016, 783, 223-237.	2.0	10
44	High intraspecific variation in fatty acids ofEudiaptomusin boreal and subarctic lakes. Journal of Plankton Research, 2016, 38, 468-477.	1.8	17
45	Seasonal dietary shift to zooplankton influences stable isotope ratios and total mercury concentrations in Arctic charr (Salvelinus alpinus (L.)). Hydrobiologia, 2016, 783, 47-63.	2.0	27
46	Lake size and fish diversity determine resource use and trophic position of a top predator in highâ€latitude lakes. Ecology and Evolution, 2015, 5, 1664-1675.	1.9	65
47	Food consumption rates of piscivorous brown trout (Salmo trutta) foraging on contrasting coregonid prey. Fisheries Management and Ecology, 2015, 22, 295-306.	2.0	10
48	Genetic Variability and Structuring of Arctic Charr (Salvelinus alpinus) Populations in Northern Fennoscandia. PLoS ONE, 2015, 10, e0140344.	2.5	10
49	Seasonal depletion of resources intensifies trophic interactions in subarctic freshwater fish communities. Freshwater Biology, 2015, 60, 1000-1015.	2.4	23
50	Trophic interactions between introduced lake trout (Salvelinus namaycush) and native Arctic charr (S.Âalpinus) in a large Fennoscandian subarctic lake. Ecology of Freshwater Fish, 2015, 24, 181-192.	1.4	17
51	Adaptive Radiation along a Thermal Gradient: Preliminary Results of Habitat Use and Respiration Rate Divergence among Whitefish Morphs. PLoS ONE, 2014, 9, e112085.	2.5	38
52	Hydroacoustic assessment of monoâ€and polymorphic <scp>C</scp>oregonus density and biomass in subarctic lakes. Ecology of Freshwater Fish, 2014, 23, 424-437.	1.4	18
53	Lake morphometry and resource polymorphism determine niche segregation between coolâ€and coldâ€waterâ€adapted fish. Ecology, 2014, 95, 538-552.	3.2	46
54	Dual fuels: intraâ€annual variation in the relative importance of benthic and pelagic resources to maintenance, growth and reproduction in a generalist salmonid fish. Journal of Animal Ecology, 2014, 83, 1501-1512.	2.8	55

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55	Interactions between invading benthivorous fish and native whitefish in subarctic lakes. Freshwater Biology, 2013, 58, 1234-1250.	2.4	31
56	A genetic marker for the maternal identification of Atlantic salmonÂÃ—Âbrown trout hybrids. Conservation Genetics Resources, 2013, 5, 47-49.	0.8	10
57	Ecological speciation in postglacial <scp>E</scp>uropean whitefish: rapid adaptive radiations into the littoral, pelagic, and profundal lake habitats. Ecology and Evolution, 2013, 3, 4970-4986.	1.9	117
58	The effects of winter ice cover on the trophic ecology of whitefish (<scp>C</scp>oregonus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.4	25
59	A diagnostic tool for efficient analysis of the population structure, hybridization and conservation status of European whitefish (Coregonus lavaretus (L.)) and vendace (C. albula (L.)). Advances in Limnology, 2013, 64, 247-255.	0.4	13
60	First Record of Natural Hybridization and Introgression between Pikeperch (Sander lucioperca) and Perch (Perca fluviatilis). Annales Zoologici Fennici, 2011, 48, 39-44.	0.6	3
61	Species introduction promotes hybridization and introgression in Coregonus: is there sign of selection against hybrids?. Molecular Ecology, 2011, 20, 3838-3855.	3.9	38
62	The role of gill raker number variability in adaptive radiation of coregonid fish. Evolutionary Ecology, 2011, 25, 573-588.	1.2	97
63	Phenotypeâ€environment correlations in a putative whitefish adaptive radiation. Journal of Animal Ecology, 2010, 79, 1057-1068.	2.8	113
64	Seasonal and ontogenetic shifts in the diet of Arctic charr Salvelinus alpinus in a subarctic lake. Journal of Fish Biology, 2010, 77, 80-97.	1.6	49
65	Polar light regime and piscivory govern diel vertical migrations of planktivorous fish and zooplankton in a subarctic lake. Ecology of Freshwater Fish, 2009, 18, 481-490.	1.4	34
66	Predation by brown trout (Salmo trutta) along a diversifying prey community gradient. Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 1831-1841.	1.4	56
67	Morphological differentiation and resource polymorphism in three sympatric whitefish Coregonus lavaretus(L.) forms in a subarctic lake. Journal of Fish Biology, 2006, 68, 63-79.	1.6	109
68	Planktivory and diet-overlap of densely rakered whitefish (Coregonus lavaretus (L.)) in a subarctic lake. Ecology of Freshwater Fish, 2005, 14, 50-58.	1.4	41
69	Diel and seasonal habitat and food segregation of three sympatric Coregonus lavaretus forms in a subarctic lake. Journal of Fish Biology, 2004, 64, 418-434.	1.6	69
70	Consequence of habitat segregation to growth rate of two sparsely rakered whitefish (Coregonus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	56
71	Piscivory and prey selection of four predator species in a whitefish dominated subarctic lake. Journal of Fish Biology, 2003, 63, 659-672.	1.6	82
72	Brown trout (Salmo trutta L.) and Arctic charr (Salvelinus alpinus (L.)) as predators on three sympatric whitefish (Coregonus lavaretus (L.)) forms in the subarctic Lake Muddusjarvi. Ecology of Freshwater Fish, 2002, 11, 158-167.	1.4	43

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73	Food composition, habitat use and growth of stocked and native Arctic charr, Salvelinus alpinus , in Lake MuddusjÃrvi, Finland. Fisheries Management and Ecology, 2002, 9, 197-204.	2.0	1
74	Resource use of native and stocked brown trout Salmo trutta L., in a subarctic lake. Fisheries Management and Ecology, 2001, 8, 83-94.	2.0	15
75	Empirical evaluation of phenotype-environment correlation and trait utility with allopatric and sympatric whitefish, Coregonus lavaretus (L.), populations in subarctic lakes. Biological Journal of the Linnean Society, 0, 92, 561-572.	1.6	40