Kimmo K Kahilainen

List of Publications by Year
in descending order

75	3,002	147801 31	182427 51
papers	citations	h-index	g-index

78	78	78	2690
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ecology under lake ice. Ecology Letters, 2017, 20, 98-111.	6.4	320
2	<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
3	Lake eutrophication and brownification downgrade availability and transfer of essential fatty acids for human consumption. Environment International, 2016, 96, 156-166.	10.0	127
4	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
5	Phenotypeâ€environment correlations in a putative whitefish adaptive radiation. Journal of Animal Ecology, 2010, 79, 1057-1068.	2.8	113
6	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
7	The role of gill raker number variability in adaptive radiation of coregonid fish. Evolutionary Ecology, 2011, 25, 573-588.	1.2	97
8	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
9	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
10	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
11	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
12	Terrestrial carbohydrates support freshwater zooplankton during phytoplankton deficiency. Scientific Reports, 2016, 6, 30897.	3.3	64
13	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
14	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
15	Predation by brown trout (<i>Salmo trutta</i>) along a diversifying prey community gradient. Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 1831-1841.	1.4	56
16	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
17	Climate and productivity shape fish and invertebrate community structure in subarctic lakes. Freshwater Biology, 2017, 62, 990-1003.	2.4	54
18	Polyunsaturated fatty acids in fishes increase with total lipids irrespective of feeding sources and trophic position. Ecosphere, 2017, 8, e01753.	2.2	53

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19	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
20	Seasonal and ontogenetic shifts in the diet of Arctic charr <i>Salvelinus alpinus</i> in a subarctic lake. Journal of Fish Biology, 2010, 77, 80-97.	1.6	49
21	Conceptualising the interactive effects of climate change and biological invasions on subarctic freshwater fish. Ecology and Evolution, 2017, 7, 4109-4128.	1.9	48
22	Lake morphometry and resource polymorphism determine niche segregation between coolâ€•and coldâ€•waterâ€•adapted fish. Ecology, 2014, 95, 538-552.	3.2	46
23	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
24	Climate change and mercury in the Arctic: Abiotic interactions. Science of the Total Environment, 2022, 824, 153715.	8.0	42
25	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
26	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
27	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
28	Species introduction promotes hybridization and introgression in <i>Coregonus</i>: is there sign of selection against hybrids?. Molecular Ecology, 2011, 20, 3838-3855.	3.9	38
29	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
30	Foodâ€•web structure and mercury dynamics in a large subarctic lake following multiple species introductions. Freshwater Biology, 2016, 61, 500-517.	2.4	38
31	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
32	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
33	Interactions between invading benthivorous fish and native whitefish in subarctic lakes. Freshwater Biology, 2013, 58, 1234-1250.	2.4	31
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	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
36	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

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37	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
38	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
39	The effects of winter ice cover on the trophic ecology of whitefish (<i><scp>C</scp>oregonus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	25
40	Climate change and mercury in the Arctic: Biotic interactions. Science of the Total Environment, 2022, 834, 155221.	8.0	24
41	Seasonal depletion of resources intensifies trophic interactions in subarctic freshwater fish communities. Freshwater Biology, 2015, 60, 1000-1015.	2.4	23
42	Terrestrial prey fuels the fish population of a small, high-latitude lake. Aquatic Sciences, 2016, 78, 695-706.	1.5	22
43	Ecological speciation in a generalist consumer expands the trophic niche of a dominant predator. Scientific Reports, 2017, 7, 8765.	3.3	21
44	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
45	Latitudinal variation in sexual dimorphism in lifeâ€history traits of a freshwater fish. Ecology and Evolution, 2017, 7, 665-673.	1.9	20
46	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
47	Nutritional quality of littoral macroinvertebrates and pelagic zooplankton in subarctic lakes. Limnology and Oceanography, 2021, 66, S81.	3.1	19
48	Hydroacoustic assessment of monoâ€•and polymorphic <i><scp>C</scp>oregonus</i> density and biomass in subarctic lakes. Ecology of Freshwater Fish, 2014, 23, 424-437.	1.4	18
49	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
50	Trophic interactions between introduced lake trout (<i>Salvelinus namaycush</i>) and native Arctic charr (<i>S.Âalpinus</i>) in a large Fennoscandian subarctic lake. Ecology of Freshwater Fish, 2015, 24, 181-192.	1.4	17
51	High intraspecific variation in fatty acids of<i>Eudiaptomus</i>in boreal and subarctic lakes. Journal of Plankton Research, 2016, 38, 468-477.	1.8	17
52	Circumpolar patterns of Arctic freshwater fish biodiversity: A baseline for monitoring. Freshwater Biology, 2022, 67, 176-193.	2.4	17
53	Multitrophic biodiversity patterns and environmental descriptors of subâ€Arctic lakes in northern Europe. Freshwater Biology, 2022, 67, 30-48.	2.4	17
54	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

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55	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
56	First circumpolar assessment of Arctic freshwater phytoplankton and zooplankton diversity: Spatial patterns and environmental factors. Freshwater Biology, 2022, 67, 141-158.	2.4	13
57	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
58	Reliance of brown trout on terrestrial prey varies with season but not fish density. Freshwater Biology, 2016, 61, 1143-1156.	2.4	11
59	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
60	A genetic marker for the maternal identification of Atlantic salmonÂÃ—Âbrown trout hybrids. Conservation Genetics Resources, 2013, 5, 47-49.	0.8	10
61	Food consumption rates of piscivorous brown trout (<i>Salmo trutta</i>) foraging on contrasting coregonid prey. Fisheries Management and Ecology, 2015, 22, 295-306.	2.0	10
62	Genetic Variability and Structuring of Arctic Charr (Salvelinus alpinus) Populations in Northern Fennoscandia. PLoS ONE, 2015, 10, e0140344.	2.5	10
63	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
64	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
65	A brain and a head for a different habitat: Size variation in four morphs of Arctic charr (Salvelinus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	8
66	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
67	Using mathematical modelling to investigate the adaptive divergence of whitefish in Fennoscandia. Scientific Reports, 2020, 10, 7394.	3.3	7
68	Winter ecology of specialist and generalist morphs of European whitefish, <i>Coregonus lavaretus</i>, in subarctic northern Europe. Journal of Fish Biology, 2022, 101, 389-399.	1.6	5
69	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
70	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
71	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
72	First Record of Natural Hybridization and Introgression between Pikeperch (<i>Sander lucioperca</i>) and Perch (<i>Perca fluviatilis</i>). Annales Zoologici Fennici, 2011, 48, 39-44.	0.6	3

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73	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
74	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
75	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