Ian J Winfield

List of Publications by Year
in descending order

116 papers	5,855 citations	109264 35 h-index	85498 71 g-index
145 all docs	145 docs citations	145 times ranked	7504 citing authors

#	Article	IF	Citations
1	Phenological sensitivity to climate across taxa and trophic levels. Nature, 2016, 535, 241-245.	13.7	705
2	Trophic level asynchrony in rates of phenological change for marine, freshwater and terrestrial environments. Global Change Biology, 2010, 16, 3304-3313.	4.2	690
3	Environmental <scp>DNA</scp> metabarcoding of lake fish communities reflects longâ€term data from established survey methods. Molecular Ecology, 2016, 25, 3101-3119.	2.0	452
4	Fish conservation in freshwater and marine realms: status, threats and management. Aquatic Conservation: Marine and Freshwater Ecosystems, 2016, 26, 838-857.	0.9	307
5	Eutrophication management in surface waters using lanthanum modified bentonite: A review. Water Research, 2016, 97, 162-174.	5.3	252
6	Impacts of climate warming on the long-term dynamics of key fish species in 24 European lakes. Hydrobiologia, 2012, 694, 1-39.	1.0	226
7	Trait changes in a harvested population are driven by a dynamic tug-of-war between natural and harvest selection. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15799-15804.	3.3	153
8	Fish diversity in <scp>E</scp>uropean lakes: geographical factors dominate over anthropogenic pressures. Freshwater Biology, 2013, 58, 1779-1793.	1.2	113
9	Four decades of opposing natural and human-induced artificial selection acting on Windermere pike (Esox lucius). Ecology Letters, 2007, 10, 512-521.	3.0	111
10	Temporal and spatial variation in distribution of fish environmental DNA in Englandâ€™s largest lake. Environmental DNA, 2019, 1, 26-39.	3.1	110
11	Invasive nonâ€native species likely to threaten biodiversity and ecosystems in the Antarctic Peninsula region. Global Change Biology, 2020, 26, 2702-2716.	4.2	110
12	Do early warning indicators consistently predict nonlinear change in longâ€term ecological data?. Journal of Applied Ecology, 2016, 53, 666-676.	1.9	104
13	The ideal free pike: 50 years of fitness-maximizing dispersal in Windermere. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 2917-2924.	1.2	100
14	The cost of copepod reproduction: increased susceptibility to fish predation. Oecologia, 1983, 60, 406-411.	0.9	90
15	The behavioural basis of prey selection by underyearling bream (Abramis brama (L.)) and roach (Rutilus) Tj ETQq1 1 0.784314 rgBT /O	1.2	86
16	Fish in the littoral zone: ecology, threats and management. Limnologica, 2004, 34, 124-131.	0.7	77
17	The Arctic charr (Salvelinus alpinus) populations of Windermere, UK: population trends associated with eutrophication, climate change and increased abundance of roach (Rutilus rutilus). Environmental Biology of Fishes, 2008, 83, 25-35.	0.4	72
18	The Application of Optimal Foraging Theory to Feeding Behaviour in Fish. , 1985, , 67-98.		59

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19	Population trends of Arctic charr (SalvelinusÂalpinus) in the UK: assessing the evidence for a widespread decline in response to climate change. Hydrobiologia, 2010, 650, 55-65.	1.0	58
20	Strong correspondence between gillnet catch per unit effort and hydroacoustically derived fish biomass in stratified lakes. Freshwater Biology, 2012, 57, 2436-2448.	1.2	58
21	Horizon scanning for invasive alien species with the potential to threaten biodiversity and human health on a Mediterranean island. Biological Invasions, 2019, 21, 2107-2125.	1.2	56
22	Stage-specific biomass overcompensation by juveniles in response to increased adult mortality in a wild fish population. Ecology, 2011, 92, 2175-2182.	1.5	55
23	Read counts from environmental DNA (eDNA) metabarcoding reflect fish abundance and biomass in drained ponds. Metabarcoding and Metagenomics, 0, 4, .	0.0	55
24	Food web deâ€synchronization in <scp>E</scp>ngland's largest lake: an assessment based on multiple phenological metrics. Global Change Biology, 2013, 19, 3568-3580.	4.2	54
25	Geographical patterns in the bodyâ€size structure of European lake fish assemblages along abiotic and biotic gradients. Journal of Biogeography, 2014, 41, 2221-2233.	1.4	50
26	Effects of Climate Change on Trait-Based Dynamics of a Top Predator in Freshwater Ecosystems. American Naturalist, 2014, 183, 243-256.	1.0	48
27	Quality assurance of hydroacoustic surveys: the repeatability of fish-abundance and biomass estimates in lakes within and between hydroacoustic systems. ICES Journal of Marine Science, 2003, 60, 486-492.	1.2	47
28	Body downsizing caused by non-consumptive social stress severely depresses population growth rate. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 843-851.	1.2	46
29	DENSITY DEPENDENCE AND DENSITY INDEPENDENCE IN THE DEMOGRAPHY AND DISPERSAL OF PIKE OVER FOUR DECADES. Ecological Monographs, 2007, 77, 483-502.	2.4	45
30	Assessment of fish populations in still waters using hydroacoustics and survey gill netting: Experiences with Arctic charr (Salvelinus alpinus) in the UK. Fisheries Research, 2009, 96, 30-38.	0.9	45
31	When phenology matters: ageâ€“size truncation alters population response to trophic mismatch. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140938.	1.2	45
32	The Response of Young Roach Rutilus rutilus to Seasonal Changes in Abundance of Microcrustacean Prey: A Field Demonstration of Switching. Oikos, 1986, 46, 372.	1.2	40
33	Invasive fish species in the largest lakes of Scotland, Northern Ireland, Wales and England: the collective UK experience. Hydrobiologia, 2011, 660, 93-103.	1.0	39
34	Antagonistic selection from predators and pathogens alters food-web structure. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19792-19796.	3.3	38
35	Assessing the Legacy of Red Mud Pollution in a Shallow Freshwater Lake: Arsenic Accumulation and Speciation in Macrophytes. Environmental Science & Technology, 2016, 50, 9044-9052.	4.6	37
36	Statistical quantification of the effect of thermal stratification on patterns of dispersion in a freshwater zooplankton community. Aquatic Ecology, 2006, 40, 23-32.	0.7	35

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37	Assessment of longâ€term changes in habitat availability for Arctic charr (Salvelinus alpinus) in a temperate lake using oxygen profiles and hydroacoustic surveys. Freshwater Biology, 2008, 53, 393-402.	1.2	35
38	Pathogen-induced rapid evolution in a vertebrate life-history trait. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 35-41.	1.2	34
39	Harvest-induced disruptive selection increases variance in fitness-related traits. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 4163-4171.	1.2	33
40	Density-dependent effects as key drivers of intraspecific size structure of six abundant fish species in lakes across Europe. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 519-534.	0.7	33
41	Factors affecting prey selection by young bream Abramis brama and roach Rutilus rutilus: insights provided by parallel studies in laboratory and field. Journal of Applied Phycology, 1988, 21, 279-292.	1.5	32
42	Quantitative analysis of the importance of wind-induced circulation for the spatial structuring of planktonic populations. Freshwater Biology, 2004, 49, 1091-1102.	1.2	30
43	Biotic and abiotic influences on the recruitment of male perch in Windermere, U.K.. Journal of Fish Biology, 2004, 65, 1622-1642.	0.7	29
44	Six decades of pike and perch population dynamics in Windermere. Fisheries Research, 2011, 109, 131-139.	0.9	29
45	International Perspectives on the Effects of Climate Change on Inland Fisheries. Fisheries, 2016, 41, 399-405.	0.6	29
46	Northern pike (Esox lucius) in a warming lake: changes in population size and individual condition in relation to prey abundance. Hydrobiologia, 2008, 601, 29-40.	1.0	28
47	Assessment in two shallow lakes of a hydroacoustic system for surveying aquatic macrophytes. Hydrobiologia, 2007, 584, 111-119.	1.0	27
48	Fish hydroacoustic survey standardization: A step forward based on comparisons of methods and systems from vertical surveys of a large deep lake. Limnology and Oceanography: Methods, 2017, 15, 836-846.	1.0	27
49	An evaluation of methods for sampling macrophyte maximum colonisation depth in Loch Leven, Scotland. Aquatic Botany, 2009, 91, 75-81.	0.8	26
50	Long-term changes in the diet of pike (Esox lucius), the top aquatic predator in a changing Windermere. Freshwater Biology, 2012, 57, 373-383.	1.2	26
51	Recent invasion by a non-native cyprinid (common bream Abramis brama) is followed by major changes in the ecological quality of a shallow lake in southern Europe. Biological Invasions, 2013, 15, 2065-2079.	1.2	26
52	Threats To the Lake Fish Communities of the U.K. Arising From Eutrophication and Species Introductions. Animal Biology, 1991, 42, 233-242.	0.4	25
53	Designing a global assessment of climate change on inland fishes and fisheries: knowns and needs. Reviews in Fish Biology and Fisheries, 2017, 27, 393-409.	2.4	24
54	The Relationship Between Spatial Distribution and Diet of Arctic Charr, Salvelinus Alpinus, In Loch Ness, U.K.. Environmental Biology of Fishes, 2002, 64, 63-73.	0.4	23

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55	Fish assemblages in deep Italian subalpine lakes: history and present status with an emphasis on non-native species. Hydrobiologia, 2018, 824, 255-270.	1.0	23
56	Predation pressure from above: observations on the activities of piscivorous birds at a shallow eutrophic lake. Hydrobiologia, 1990, 191, 223-231.	1.0	21
57	Possible competitive interactions between overwintering tufted duck (Aythya fuligula (L.)) and fish populations of Lough Neagh, Northern Ireland: evidence from diet studies. Hydrobiologia, 1994, 279-280, 377-386.	1.0	21
58	Ruffe Lengthâ€“Weight Relationships with a Proposed Standard Weight Equation. North American Journal of Fisheries Management, 2009, 29, 850-858.	0.5	21
59	Effects of fish predation on density and size spectra of prey fish communities in lakes. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 506-518.	0.7	21
60	Recreational fisheries in the UK: natural capital, ecosystem services, threats, and management. Fisheries Science, 2016, 82, 203-212.	0.7	20
61	The soundscape of Arctic Charr spawning grounds in lotic and lentic environments: can passive acoustic monitoring be used to detect spawning activities?. Bioacoustics, 2018, 27, 57-85.	0.7	20
62	Changes in the fish community of Loch Leven: untangling anthropogenic pressures. Hydrobiologia, 2012, 681, 73-84.	1.0	19
63	Hydroacoustic quantification and assessment of spawning grounds of a lake salmonid in a eutrophicated water body. Ecological Informatics, 2015, 30, 235-240.	2.3	17
64	Distribution, characteristics and condition of Arctic charr (Salvelinus alpinus) spawning grounds in a differentially eutrophicated twinâ€basin lake. Ecology of Freshwater Fish, 2015, 24, 32-43.	0.7	17
65	Warming winters threaten peripheral Arctic charr populations of Europe. Climatic Change, 2020, 163, 599-618.	1.7	17
66	Interactions between the roach, Rutilus rutilus, and waterfowl populations of Lough Neagh, Northern Ireland. Environmental Biology of Fishes, 1992, 33, 207-214.	0.4	15
67	Standard Methods for Sampling Freshwater Fishes: Opportunities for International Collaboration. Fisheries, 2017, 42, 150-156.	0.6	15
68	Assessing the role of bed sediments in the persistence of red mud pollution in a shallow lake (Kinghorn Loch, UK). Water Research, 2017, 123, 569-577.	5.3	15
69	Assessment and conservation of whitefish (Coregonus lavaretus (L.)) in the U.K.. Advances in Limnology, 2013, 64, 305-321.	0.4	15
70	Feeding ecology of the diving ducks pochard (Aythya ferina), tufted duck (A. fuligula), scaup (A. mania) and goldeneye (Bucephala clangula) overwintering on Lough Neagh, Northern Ireland. Freshwater Biology, 1994, 32, 467-477.	1.2	14
71	Investigation of first year biotic and abiotic influences on the recruitment of pikeEsox luciusover 48 years in Windermere, U.K.. Journal of Fish Biology, 2009, 74, 2279-2298.	0.7	14
72	Lake bed geomorphology and sedimentary processes in glacial lake Windermere, UK. Journal of Maps, 2013, 9, 299-312.	1.0	14

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73	The population biology and life history traits of Eurasian ruffe [Gymnocephalus cernuus (L.), Pisces: Percidae] introduced into eutrophic and oligotrophic lakes in Northern Italy. Journal of Limnology, 2013, 72, 22.	0.3	14
74	Fitness consequences of early life conditions and maternal size effects in a freshwater top predator. Journal of Animal Ecology, 2016, 85, 692-704.	1.3	14
75	Non-native Fish Occurrence and Biomass in 1943 Western Palearctic Lakes and Reservoirs and their Abiotic and Biotic Correlates. Ecosystems, 2018, 21, 395-409.	1.6	14
76	Effects of sizeâ€•and sexâ€selective harvesting: An integral projection model approach. Ecology and Evolution, 2019, 9, 12556-12570.	0.8	14
77	Recent Introductions of the Ruffe (Gymnocephalus cernuus) to Coregonus and Perca Lakes in Europe and an Analysis of Their Natural Distributions in Sweden and Finland. Journal of Great Lakes Research, 1998, 24, 235-248.	0.8	13
78	Energyâ€based topâ€down and bottomâ€up relationships between fish community energy demand or production and phytoplankton across lakes at a continental scale. Limnology and Oceanography, 2020, 65, 892-902.	1.6	13
79	How Does Climate Change Affect Emergent Properties of Aquatic Ecosystems?. Fisheries, 2021, 46, 423-441.	0.6	13
80	Multiâ€criteria decision analysis of test endpoints for detecting the effects of endocrine active substances in fish full life cycle tests. Integrated Environmental Assessment and Management, 2010, 6, 378-389.	1.6	12
81	Biotic and abiotic effects on cohort size distributions in fish. Oikos, 2013, 122, 835-844.	1.2	12
82	Fish stocking for recreational angling is culpable for the poor condition of many English lakes designated for conservation purposes. Inland Waters, 2022, 12, 19-32.	1.1	11
83	Vertical heterogeneity in zooplankton community structure: a variance partitioning approach. Archiv FÃ¼r Hydrobiologie, 2005, 164, 257-275.	1.1	10
84	Pathogens trigger top-down climate forcing on ecosystem dynamics. Oecologia, 2016, 181, 519-532.	0.9	10
85	Size diversity and species diversity relationships in fish assemblages of Western Palearctic lakes. Ecography, 2018, 41, 1064-1076.	2.1	10
86	The cultural importance and international recognition of the Arctic charr Salvelinus alpinus populations of Windermere, UK. Hydrobiologia, 2019, 840, 11-19.	1.0	8
87	Modelâ€based decomposition of environmental, spatial and speciesâ€interaction effects on the community structure of common fish species in 772 European lakes. Global Ecology and Biogeography, 2021, 30, 1558-1571.	2.7	8
88	Committing to Place: The Potential of Open Collaborations for Trusted Environmental Governance. PLoS Biology, 2015, 13, e1002081.	2.6	7
89	Metadata of European Lake Fishes Dataset. Freshwater Metadata Journal, 0, , 1-8.	0.0	7
90	Environmental Factors Influencing the Recruitment and Growth of Underyearling Perch (Perca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 6		

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91	Complex and divergent histories gave rise to genomeâ€wide divergence patterns amongst European whitefish (Coregonus lavaretus). Journal of Evolutionary Biology, 2021, 34, 1954-1969.	0.8	6
92	Meeting across the river: from science to impact. Aquatic Conservation: Marine and Freshwater Ecosystems, 2010, 20, 607-610.	0.9	5
93	Fisheries impacts on lake ecosystem structure in the context of a changing climate and trophic state. Journal of Limnology, 0, , .	0.3	5
94	The 'reappearance' of vendace (Coregonus albula) in the face of multiple stressors in Bassenthwaite Lake, U. K.. Fundamental and Applied Limnology, 2017, 189, 227-233.	0.4	4
95	A perspective on Salvelinus research. Hydrobiologia, 2010, 650, 1-2.	1.0	3
96	REVIEW OF THE STATE OF THE WORLD FISHERY RESOURCES: INLAND FISHERIES - Edited by R. Welcomme. Journal of Fish Biology, 2012, 81, 2099-2099.	0.7	3
97	Two hearts are better than one: encouraging collaboration between freshwater fish conservation and freshwater fisheries management. Aquatic Conservation: Marine and Freshwater Ecosystems, 2016, 26, 1007-1012.	0.9	3
98	Assessing the legacy of red mud pollution in a shallow freshwater lake: long-term chemical recovery in the water column. Inland Waters, 2019, 9, 453-463.	1.1	3
99	The importance of variation in offspring body size for stability in cannibalistic populations. Oikos, 2020, 129, 59-69.	1.2	3
100	Allelic losses and gains during translocations of a high conservation value fish, <scp>Coregonus lavaretus</scp>. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 2575-2585.	0.9	3
101	BEHAVIOUR, MIGRATIONS, DISTRIBUTION AND STOCKS OF STURGEONS IN THE VOLGA-CASPIAN BASIN - Edited by R. P. Khodorevskaya, G. I. Ruban and D. S. Pavlov. Journal of Fish Biology, 2011, 78, 980-981.	0.7	2
102	ECOLOGY OF ATLANTIC SALMON AND BROWN TROUT: HABITAT AS A TEMPLATE FOR LIFE HISTORIES - Edited by B. Jonsson and N. Jonsson. Journal of Fish Biology, 2011, 79, 2108-2109.	0.7	2
103	FAO STATISTICAL YEARBOOK 2012: WORLD FOOD AND AGRICULTURE - Edited by A. Prakash and M. Stigler. Journal of Fish Biology, 2012, 81, 2095-2096.	0.7	2
104	Biological conservation of aquatic inland habitats: these are better days. Journal of Limnology, 2014, 73, .	0.3	2
105	First observations of anthropogenic underwater noise in a large multi-use lake. Journal of Limnology, 2016, , .	0.3	2
106	Assessment and conservation of gwyniad (Coregonus lavaretus (L.)) in Llyn Tegid, U.K.: persistence in the face of eutrophication, water level fluctuations and ruffe (Gymnocephalus cernuus (L.)) introduction. Advances in Limnology, 2013, 64, 363-376.	0.4	2
107	Fishes, wishes, curses and directives. Aquatic Conservation: Marine and Freshwater Ecosystems, 2006, 16, 549-553.	0.9	1
108	GLIMPSES OF CREATURES IN THEIR PHYSICAL WORLDS - by S. Vogel. Journal of Fish Biology, 2010, 76, 1536-1537.	0.7	1

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109	Fish Populations. , 2021, , .		1
110	Allelic Losses and Gains During Translocations of a High Conservation Value Fish, <i>Coregonus lavaretus</i>. SSRN Electronic Journal, 0, , .	0.4	1
111	Can size distributions of European lake fish communities be predicted by trophic positions of their fish species?. Ecology and Evolution, 2022, 12, .	0.8	1
112	TO SEA AND BACK: THE HEROIC LIFE OF THE ATLANTIC SALMON - Edited by R. Shelton. Journal of Fish Biology, 2010, 77, 1728-1729.	0.7	0
113	ASSESSING THE CONSERVATION VALUE OF FRESH WATERS: AN INTERNATIONAL PERSPECTIVE - Edited by P. J. Boon and C. M. Pringle. Journal of Fish Biology, 2010, 77, 2467-2467.	0.7	0
114	TROPICAL FISHES OF THE EAST INDIES - Edited by T. W. Pietsch. Journal of Fish Biology, 2011, 78, 391-391.	0.7	0
115	ECOSYSTEM-BASED FISHERIES MANAGEMENT: CONFRONTING TRADE-OFFS - Edited by J. S. Link. Journal of Fish Biology, 2011, 79, 306-307.	0.7	0
116	IKAWAI: FRESHWATER FISHES IN MAORI CULTURE AND ECOMOMY â€•Edited by R. M. McDowall. Journal of Fish Biology, 2012, 81, 2097-2098.	0.7	0