Jan Ohlberger

List of Publications by Year
in descending order

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44 papers	1,786 citations	257450 24 h-index	289244 40 g-index
46 all docs	46 docs citations	46 times ranked	2394 citing authors

#	Article	IF	Citations
1	Climate warming and ectotherm body size â€“ from individual physiology to community ecology. Functional Ecology, 2013, 27, 991-1001.	3.6	266
2	Swimming efficiency and the influence of morphology on swimming costs in fishes. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2006, 176, 17-25.	1.5	104
3	Temperatureâ€dependent body size effects determine population responses to climate warming. Ecology Letters, 2018, 21, 181-189.	6.4	91
4	Intraspecific temperature dependence of the scaling of metabolic rate with body mass in fishes and its ecological implications. Oikos, 2012, 121, 245-251.	2.7	88
5	Demographic changes in Chinook salmon across the Northeast Pacific Ocean. Fish and Fisheries, 2018, 19, 533-546.	5.3	79
6	Temperature-Driven Regime Shifts in the Dynamics of Size-Structured Populations. American Naturalist, 2011, 177, 211-223.	2.1	76
7	Temperatureâ€related physiological adaptations promote ecological divergence in a sympatric species pair of temperate freshwater fish, Coregonus spp.. Functional Ecology, 2008, 22, 501-508.	3.6	72
8	Does increasing mortality change the response of fish populations to environmental fluctuations?. Ecology Letters, 2012, 15, 658-665.	6.4	70
9	The effects of oil spills on marine fish: Implications of spatial variation in natural mortality. Marine Pollution Bulletin, 2017, 119, 102-109.	5.0	66
10	Effects of temperature, swimming speed and body mass on standard and active metabolic rate in vendace (Coregonus albula). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2007, 177, 905-916.	1.5	64
11	Stage-specific biomass overcompensation by juveniles in response to increased adult mortality in a wild fish population. Ecology, 2011, 92, 2175-2182.	3.2	55
12	Effects of Climate Change on Trait-Based Dynamics of a Top Predator in Freshwater Ecosystems. American Naturalist, 2014, 183, 243-256.	2.1	48
13	Population coherence and environmental impacts across spatial scales: a case study of Chinook salmon. Ecosphere, 2016, 7, e01333.	2.2	47
14	When phenology matters: ageâ€“size truncation alters population response to trophic mismatch. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140938.	2.6	45
15	Optimum growth temperature declines with body size within fish species. Global Change Biology, 2022, 28, 2259-2271.	9.5	45
16	Effects of warming climate and competition in the ocean for life-histories of Pacific salmon. Nature Ecology and Evolution, 2019, 3, 935-942.	7.8	44
17	Sizeâ€based ecological interactions drive food web responses to climate warming. Ecology Letters, 2019, 22, 778-786.	6.4	38
18	Modelling energetic costs of fish swimming. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2005, 303A, 657-664.	1.3	36

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19	Is ecological segregation in a pair of sympatric coregonines supported by divergent feeding efficiencies?. Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 2105-2113.	1.4	34
20	Pathogen-induced rapid evolution in a vertebrate life-history trait. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 35-41.	2.6	34
21	Contrasting evolutionary demography induced by fishing: the role of adaptive phenotypic plasticity. , 2014, 24, 1101-1114.		34
22	Stochasticity and Determinism: How Density-Independent and Density-Dependent Processes Affect Population Variability. PLoS ONE, 2014, 9, e98940.	2.5	32
23	Resurgence of an apex marine predator and the decline in prey body size. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26682-26689.	7.1	32
24	Six decades of pike and perch population dynamics in Windermere. Fisheries Research, 2011, 109, 131-139.	1.7	29
25	Estimating the active metabolic rate (AMR) in fish based on tail beat frequency (TBF) and body mass. Journal of Experimental Zoology, 2007, 307A, 296-300.	1.2	27
26	The reproductive value of large females: consequences of shifts in demographic structure for population reproductive potential in Chinook salmon. Canadian Journal of Fisheries and Aquatic Sciences, 2020, 77, 1292-1301.	1.4	25
27	Cascading effects of mass mortality events in Arctic marine communities. Global Change Biology, 2017, 23, 283-292.	9.5	23
28	Adaptive Phenotypic Diversification along a Temperature-Depth Gradient. American Naturalist, 2013, 182, 359-373.	2.1	21
29	Cyclic temperatures influence growth efficiency and biochemical body composition of vertically migrating fish. Freshwater Biology, 2011, 56, 1554-1566.	2.4	19
30	Community-Level Consequences of Cannibalism. American Naturalist, 2012, 180, 791-801.	2.1	17
31	Effects of past and projected river discharge variability on freshwater production in an anadromous fish. Freshwater Biology, 2018, 63, 331-340.	2.4	17
32	Population resilience to catastrophic mortality events during early life stages. Ecological Applications, 2015, 25, 1348-1356.	3.8	16
33	Recruitment variation disrupts the stability of alternative life histories in an exploited salmon population. Evolutionary Applications, 2019, 12, 214-229.	3.1	16
34	Age structure affects population productivity in an exploited fish species. Ecological Applications, 2022, 32, e2614.	3.8	16
35	Biotic and abiotic effects on cohort size distributions in fish. Oikos, 2013, 122, 835-844.	2.7	12
36	Pathogens trigger top-down climate forcing on ecosystem dynamics. Oecologia, 2016, 181, 519-532.	2.0	10

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37	Nonâ€stationary and interactive effects of climate and competition on pink salmon productivity. Global Change Biology, 2022, 28, 2026-2040.	9.5	9
38	Ecological commonalities among pelagic fishes: comparison of freshwater ciscoes and marine herring and sprat. Marine Biology, 2012, 159, 2583-2603.	1.5	7
39	Incorporating demographic information into spawnerâ€“recruit analyses alters biological reference point estimates for a western Alaska salmon population. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 1755-1769.	1.4	6
40	The chromaffin system of the beluga sturgeonHuso huso(Chondrostei): Histological, immunohistochemical and ultrastructural study. Italian Journal of Zoology, 2004, 71, 279-285.	0.6	4
41	Using a state-space population model to detect age-dependent species interactions. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 811-818.	1.4	3
42	A Bayesian life-cycle model to estimate escapement at maximum sustained yield in salmon based on limited information. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 299-307.	1.4	3
43	The importance of variation in offspring body size for stability in cannibalistic populations. Oikos, 2020, 129, 59-69.	2.7	3
44	Stochastic recruitment alters the frequencies of alternative life histories in ageâ€structured populations. Fish and Fisheries, 2021, 22, 1307-1320.	5.3	1