Fredrik Jutfelt

List of Publications by Year
in descending order

83 papers	4,578 citations	109264 35 h-index	110317 64 g-index
91 all docs	91 docs citations	91 times ranked	4002 citing authors

#	Article	IF	Citations
1	Meta-analysis reveals an extreme â€œdecline effectâ€• in the impacts of ocean acidification on fish behavior. PLoS Biology, 2022, 20, e3001511.	2.6	33
2	Paths towards greater consensus building in experimental biology. Journal of Experimental Biology, 2022, 225, .	0.8	20
3	Reduced physiological plasticity in a fish adapted to stable temperatures. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	50
4	Predator presence affects activity patterns but not food consumption or growth of juvenile corkwing wrasse (Symphodus melops). Behavioral Ecology and Sociobiology, 2021, 75, 1.	0.6	2
5	Investigating the gill-oxygen limitation hypothesis in fishes: intraspecific scaling relationships of metabolic rate and gill surface area. , 2021, 9, .		19
6	â€œUrchin pinningâ€• Behavioural observations reveal how hungry urchins actively prey upon their sea star predators. Ethology, 2021, 127, 484-489.	0.5	2
7	Animal size and sea water temperature, but not pH, influence a repeatable startle response behaviour in a wide-ranging marine mollusc. Animal Behaviour, 2021, 173, 191-205.	0.8	18
8	â€˜Aerobic scope protectionâ€™ reduces ectotherm growth under warming. Functional Ecology, 2021, 35, 1397-1407.	1.7	54
9	Increased energy expenditure is an indirect effect of habitat structural complexity loss. Functional Ecology, 2021, 35, 2316.	1.7	4
10	Low concentrations of the benzodiazepine drug oxazepam induce anxiolytic effects in wild-caught but not in laboratory zebrafish. Science of the Total Environment, 2020, 703, 134701.	3.9	23
11	Ocean acidification does not impair the behaviour of coral reef fishes. Nature, 2020, 577, 370-375.	13.7	100
12	Reply to: Methods matter in repeating ocean acidification studies. Nature, 2020, 586, E25-E27.	13.7	12
13	Rapid-warming tolerance correlates with tolerance to slow warming but not growth at non-optimal temperatures in zebrafish. Journal of Experimental Biology, 2020, 223, .	0.8	20
14	Behavioural lateralization in a detour test is not repeatable in fishes. Animal Behaviour, 2020, 167, 55-64.	0.8	24
15	Metabolic adaptation to warm water in fish. Functional Ecology, 2020, 34, 1138-1141.	1.7	28
16	Response to â€˜The spleen as an unlikely source of red blood cells during increased activity in fishesâ€™. Journal of Experimental Biology, 2020, 223, .	0.8	2
17	Accurate science requires that we base our work on accurate publications. Environmental Pollution, 2020, 261, 114238.	3.7	2
18	Chronic Exposure to Oxazepam Pollution Produces Tolerance to Anxiolytic Effects in Zebrafish (Danio rerio). Environmental Science & Technology, 2020, 54, 1760-1769.	4.6	26

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19	Roll, right, repeat: short-term repeatability in the self-righting behaviour of a cold-water sea cucumber. Journal of the Marine Biological Association of the United Kingdom, 2020, 100, 115-120.	0.4	8
20	Low potential for evolutionary rescue from climate change in a tropical fish. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 33365-33372.	3.3	78
21	On the Observation of Wild Zebrafish (Danio rerio) in India. Zebrafish, 2019, 16, 546-553.	0.5	38
22	Brain cooling marginally increases acute upper thermal tolerance in Atlantic cod. Journal of Experimental Biology, 2019, 222, .	0.8	32
23	Behavioural alterations induced by the anxiolytic pollutant oxazepam are reversible after depuration in a freshwater fish. Science of the Total Environment, 2019, 665, 390-399.	3.9	18
24	Density differences between water masses preclude laminar flow in two-current choice flumes. Oecologia, 2019, 189, 875-881.	0.9	6
25	How to quantify thermal acclimation capacity?. Global Change Biology, 2019, 25, 1893-1894.	4.2	15
26	Are model organisms representative for climate change research? Testing thermal tolerance in wild and laboratory zebrafish populations. , 2019, 7, coz036.		47
27	Extreme blood boosting capacity of an Antarctic fish represents an adaptation to life in a sub-zero environment. Journal of Experimental Biology, 2019, 223, .	0.8	6
28	Effects of elevated carbon dioxide on male and female behavioural lateralization in a temperate goby. Royal Society Open Science, 2018, 5, 171550.	1.1	13
29	Oxygen- and capacity-limited thermal tolerance: blurring ecology and physiology. Journal of Experimental Biology, 2018, 221, .	0.8	204
30	Keeping science honest. Science, 2018, 359, 1443-1443.	6.0	15
31	Food web changes under ocean acidification promote herring larvae survival. Nature Ecology and Evolution, 2018, 2, 836-840.	3.4	37
32	Swim for it: Effects of simulated fisheries capture on the post-release behaviour of four Great Barrier Reef fishes. Fisheries Research, 2018, 206, 129-137.	0.9	19
33	Exposure to elevated carbon dioxide does not impair shortâ€term swimming behaviour or shelterâ€seeking in a predatory coralâ€reef fish. Journal of Fish Biology, 2018, 93, 138-142.	0.7	6
34	Exorcise citations to the â€˜living deadâ€™ from the literature. Nature, 2018, 558, 189-189.	13.7	8
35	CTmax is repeatable and doesnâ€™t reduce growth in zebrafish. Scientific Reports, 2018, 8, 7099.	1.6	84
36	Growth performance and survival of larval Atlantic herring, under the combined effects of elevated temperatures and CO2. PLoS ONE, 2018, 13, e0191947.	1.1	33

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37	No effect of elevated carbon dioxide on reproductive behaviors in the three-spined stickleback. Behavioral Ecology, 2017, 28, 1482-1491.	1.0	9
38	Long-term exposure to elevated carbon dioxide does not alter activity levels of a coral reef fish in response to predator chemical cues. Behavioral Ecology and Sociobiology, 2017, 71, 108.	0.6	27
39	Ocean acidification causes no detectable effect on swimming activity and body size in a common copepod. Hydrobiologia, 2017, 802, 235-243.	1.0	4
40	Twoâ€€current choice flumes for testing avoidance and preference in aquatic animals. Methods in Ecology and Evolution, 2017, 8, 379-390.	2.2	65
41	Responses of neurogenesis and neuroplasticity related genes to elevated CO ₂ levels in the brain of three teleost species. Biology Letters, 2017, 13, 20170240.	1.0	13
42	Expression of genes involved in brain GABAergic neurotransmission in three-spined stickleback exposed to near-future CO2. , 2016, 4, cow068.		11
43	Ocean Acidification Effects on Atlantic Cod Larval Survival and Recruitment to the Fished Population. PLoS ONE, 2016, 11, e0155448.	1.1	104
44	Cardiac reflexes in a warming world: Thermal plasticity of barostatic control and autonomic tones in a temperate fish. Journal of Experimental Biology, 2016, 219, 2880-2887.	0.8	11
45	Cardiac oxygen limitation during an acute thermal challenge in the European perch: effects of chronic environmental warming and experimental hyperoxia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R440-R449.	0.9	59
46	Zebrafish (Danio rerio) behaviour is largely unaffected by elevated pCO₂. , 2016, 4, cow065.		15
47	Scientific Misconduct: The Elephant in the Lab. A Response to Parker et al.. Trends in Ecology and Evolution, 2016, 31, 899-900.	4.2	9
48	Chronic environmental warming alters cardiovascular and haematological stress responses in European perch (Perca fluviatilis). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2016, 186, 1023-1031.	0.7	11
49	Physiological constraints to climate warming in fish follow principles of plastic floors and concrete ceilings. Nature Communications, 2016, 7, 11447.	5.8	192
50	9â€“28 d of exposure to elevated pCO2 reduces avoidance of predator odour but had no effect on behavioural lateralization or swimming activity in a temperate wrasse (Ctenolabrus rupestris). ICES Journal of Marine Science, 2016, 73, 620-632.	1.2	53
51	Influence of Ocean Acidification on a Natural Winter-to-Summer Plankton Succession: First Insights from a Long-Term Mesocosm Study Draw Attention to Periods of Low Nutrient Concentrations. PLoS ONE, 2016, 11, e0159068.	1.1	64
52	Behavioural responses to simulated bird attacks in marine three-spined sticklebacks after exposure to high CO2 levels. Marine and Freshwater Research, 2015, 66, 877.	0.7	26
53	Juvenile Atlantic cod behavior appears robust to near-future CO2 levels. Frontiers in Zoology, 2015, 12, 11.	0.9	37
54	Warming alters the body shape of European perch Perca fluviatilis. Journal of Fish Biology, 2015, 87, 1234-1247.	0.7	10

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55	Experimental manipulations of tissue oxygen supply do not affect warming tolerance of European perch. Journal of Experimental Biology, 2015, 218, 2448-54.	0.8	56
56	Ocean warming and acidification modulate energy budget and gill ion regulatory mechanisms in Atlantic cod (Gadus morhua). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2015, 185, 767-781.	0.7	39
57	Altered neurotransmitter function in CO₂-exposed stickleback (<i>Gasterosteus) Tj ETQq1 1 0.784314 rgBT /Overlock 10		57
58	Warmer water temperature results in oxidative damage in an Antarctic fish, the bald notothen. Journal of Experimental Marine Biology and Ecology, 2015, 468, 130-137.	0.7	94
59	Response to â€˜How and how not to investigate the oxygen and capacity limitation of thermal tolerance (OCLTT) and aerobic scope â€“ remarks on the article by GrÃ³ns et al.â€™. Journal of Experimental Biology, 2014, 217, 4433-4435.	0.8	31
60	Elevated carbon dioxide alters the plasma composition and behaviour of a shark. Biology Letters, 2014, 10, 20140538.	1.0	75
61	Aerobic scope fails to explain the detrimental effects on growth resulting from warming and elevated CO2 in Atlantic halibut. Journal of Experimental Biology, 2014, 217, 711-717.	0.8	197
62	Effects of autonomic blockade on acute thermal tolerance and cardioventilatory performance in rainbow trout, Oncorhynchus mykiss. Journal of Thermal Biology, 2014, 44, 47-54.	1.1	33
63	Effects of Cortisol on the Intestinal Mucosal Immune Response during Cohabitant Challenge with IPNV in Atlantic Salmon (Salmo salar). PLoS ONE, 2014, 9, e94288.	1.1	23
64	Effects of Increased CO2 on Fish Gill and Plasma Proteome. PLoS ONE, 2014, 9, e102901.	1.1	56
65	Aerobic scope measurements of fishes in an era of climate change: respirometry, relevance and recommendations. Journal of Experimental Biology, 2013, 216, 2771-2782.	0.8	705
66	Atlantic cod actively avoid CO2 and predator odour, even after long-term CO2 exposure. Frontiers in Zoology, 2013, 10, 81.	0.9	56
67	Elevated <scp>CO</scp>₂ affects embryonic development and larval phototaxis in a temperate marine fish. Ecology and Evolution, 2013, 3, 3637-3646.	0.8	75
68	The impact of temperature on the metabolome and endocrine metabolic signals in Atlantic salmon (Salmo salar). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 164, 44-53.	0.8	105
69	Response to Farrell and to PÃ¶rtner and Giomi. Journal of Experimental Biology, 2013, 216, 4495-4497.	0.8	38
70	Behavioural Disturbances in a Temperate Fish Exposed to Sustained High-CO2 Levels. PLoS ONE, 2013, 8, e65825.	1.1	131
71	Simulated climate change causes immune suppression and protein damage in the crustacean Nephrops norvegicus. Fish and Shellfish Immunology, 2012, 33, 1095-1101.	1.6	69
72	Health of farmed fish: its relation to fish welfare and its utility as welfare indicator. Fish Physiology and Biochemistry, 2012, 38, 85-105.	0.9	172

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73	INTEGRATED FUNCTION AND CONTROL OF THE GUT | Barrier Function of the Gut. , 2011, , 1322-1331.		25
74	Translocation of infectious pancreatic necrosis virus across the intestinal epithelium of Atlantic salmon (Salmo salar L.). Aquaculture, 2011, 321, 85-92.	1.7	40
75	Health of farmed fish: its relation to fish welfare and its utility as welfare indicator. , 2011, , 85-105.		0
76	A vegetable oil feeding history affects digestibility and intestinal fatty acid uptake in juvenile rainbow trout Oncorhynchus mykiss. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 152, 552-559.	0.8	24
77	The involvement of Aeromonas salmonicida virulence factors in bacterial translocation across the rainbow trout, Oncorhynchus mykiss (Walbaum), intestine. Journal of Fish Diseases, 2008, 31, 141-151.	0.9	46
78	Dietary soya saponins increase gut permeability and play a key role in the onset of soyabean-induced enteritis in Atlantic salmon (Salmo salar L.). British Journal of Nutrition, 2008, 100, 120-129.	1.2	188
79	Parrâ€“smolt transformation and dietary vegetable lipids affect intestinal nutrient uptake, barrier function and plasma cortisol levels in Atlantic salmon. Aquaculture, 2007, 273, 298-311.	1.7	68
80	Sn-2-monoacylglycerol, not glycerol, is preferentially utilised for triacylglycerol and phosphatidylcholine biosynthesis in Atlantic salmon (Salmo salar L.) intestine. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2007, 146, 115-123.	0.7	46
81	Translocation of viable Aeromonas salmonicida across the intestine of rainbow trout, Oncorhynchus mykiss (Walbaum). Journal of Fish Diseases, 2006, 29, 255-262.	0.9	56
82	Damaging effect of the fish pathogen Aeromonas salmonicida ssp. salmonicida on intestinal enterocytes of Atlantic salmon (Salmo salar L.). Cell and Tissue Research, 2004, 318, 305-311.	1.5	107
83	Intestinal transport mechanisms and plasma cortisol levels during normal and out-of-season parrâ€“smolt transformation of Atlantic salmon, Salmo salar. Aquaculture, 2003, 222, 265-285.	1.7	114