Henrik Sundh

List of Publications by Year
in descending order

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57	1,910	257357	265120
papers	citations	24 h-index	42 g-index

59	59	59	2105
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Disturbance of the intestinal mucosal immune system of farmed Atlantic salmon (Salmo salar), in response to long-term hypoxic conditions. Fish and Shellfish Immunology, 2011, 31, 1072-1080.	1.6	116
4	Intestinal fluid absorption in anadromous salmonids: importance of tight junctions and aquaporins. Frontiers in Physiology, 2012, 3, 388.	1.3	99
5	Modulation of innate immune responses in Atlantic salmon by chronic hypoxia-induced stress. Fish and Shellfish Immunology, 2013, 34, 55-65.	1.6	75
6	The final countdown: Continuous physiological welfare evaluation of farmed fish during common aquaculture practices before and during harvest. Aquaculture, 2018, 495, 903-911.	1.7	75
7	Intestinal barrier function of Atlantic salmon (Salmo salar L.) post smolts is reduced by common sea cage environments and suggested as a possible physiological welfare indicator. BMC Physiology, 2010, 10, 22.	3.6	74
8	Rainbow Trout Maintain Intestinal Transport and Barrier Functions Following Exposure to Polystyrene Microplastics. Environmental Science & Technology, 2018, 52, 14392-14401.	4.6	64
9	Non-invasive measurement of cortisol and melatonin in tanks stocked with seawater Atlantic salmon. Aquaculture, 2007, 272, 698-706.	1.7	54
10	Effect of hyperoxygenation and low water flow on the primary stress response and susceptibility of Atlantic salmon Salmo salar L. to experimental challenge with IPN virus. Aquaculture, 2007, 270, 23-35.	1.7	53
11	Atlantic Salmon Carries a Range of Novel O-Glycan Structures Differentially Localized on Skin and Intestinal Mucins. Journal of Proteome Research, 2015, 14, 3239-3251.	1.8	52
12	Stickleback sperm saved by salt in ovarian fluid. Journal of Experimental Biology, 2006, 209, 4230-4237.	0.8	49
13	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
14	Slow release cortisol implants result in impaired innate immune responses and higher infection prevalence following experimental challenge with infectious pancreatic necrosis virus in Atlantic salmon (Salmo salar) parr. Fish and Shellfish Immunology, 2012, 32, 637-644.	1.6	43
15	Development of intestinal ionâ€transporting mechanisms during smoltification and seawater acclimation in Atlantic salmon Salmo salar. Journal of Fish Biology, 2014, 85, 1227-1252.	0.7	42
16	Aeromonas salmonicida Binds Differentially to Mucins Isolated from Skin and Intestinal Regions of Atlantic Salmon in an N -Acetylneuraminic Acid-Dependent Manner. Infection and Immunity, 2014, 82, 5235-5245.	1.0	42
17	Evaluation of growth performance and intestinal barrier function in Arctic Charr (Salvelinus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 mussel (Mytilus edulis). Aquaculture Nutrition, 2016, 22, 1348-1360.	1.1	41
18	Translocation of infectious pancreatic necrosis virus across the intestinal epithelium of Atlantic salmon (Salmo salar L.). Aquaculture, 2011, 321, 85-92.	1.7	40

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19	The effect of hyperoxygenation and reduced flow in fresh water and subsequent infectious pancreatic necrosis virus challenge in sea water, on the intestinal barrier integrity in Atlantic salmon, Salmo salar L.. Journal of Fish Diseases, 2009, 32, 687-698.	0.9	38
20	Calcium transfer across the outer mantle epithelium in the Pacific oyster,Crassostrea gigas. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181676.	1.2	36
21	Remote physiological monitoring provides unique insights on the cardiovascular performance and stress responses of freely swimming rainbow trout in aquaculture. Scientific Reports, 2019, 9, 9090.	1.6	35
22	Reduced water quality associated with higher stocking density disturbs the intestinal barrier functions of Atlantic salmon (Salmo salar L.). Aquaculture, 2019, 512, 734356.	1.7	30
23	Calcium mobilisation following shell damage in the Pacific oyster, Crassostrea gigas. Marine Genomics, 2016, 27, 75-83.	0.4	28
24	Prevalence and severity of cardiac abnormalities and arteriosclerosis in farmed rainbow trout (Oncorhynchus mykiss). Aquaculture, 2020, 526, 735417.	1.7	26
25	Growth performance, nutrient digestibility and intestinal morphology of rainbow trout () Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Wickerhamomyces anomalus. Aquaculture Nutrition, 2020, 26, 275-286.	1.1	25
26	Stunning fish with CO2 or electricity: contradictory results on behavioural and physiological stress responses. Animal, 2016, 10, 294-301.	1.3	23
27	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
28	Aeromonas salmonicida Growth in Response to Atlantic Salmon Mucins Differs between Epithelial Sites, Is Governed by Sialylated and N -Acetylhexosamine-Containing O -Glycans, and Is Affected by Ca ²⁺. Infection and Immunity, 2017, 85, .	1.0	22
29	Increased mitochondrial coupling and anaerobic capacity minimizes aerobic costs of trout in the sea. Scientific Reports, 2017, 7, 45778.	1.6	22
30	Haematological and intestinal health parameters of rainbow trout are influenced by dietary live yeast and increased water temperature. Fish and Shellfish Immunology, 2019, 89, 525-536.	1.6	21
31	Evaluation of chitinolytic activities and membrane integrity in gut tissues of Arctic charr (Salvelinus) Tj ETQq1 1 0.784314 rgBT /Overl Biochemistry and Molecular Biology, 2014, 175, 1-8.	0.7	20
32	Fish pathogen binding to mucins from Atlantic salmon and Arctic char differs in avidity and specificity and is modulated by fluid velocity. PLoS ONE, 2019, 14, e0215583.	1.1	18
33	Effects of Size and Geographical Origin on Atlantic salmon, Salmo salar, Mucin O-Glycan Repertoire. Molecular and Cellular Proteomics, 2019, 18, 1183-1196.	2.5	18
34	Exploring the Arctic Charr Intestinal Glycome: Evidence of Increased N-Glycolylneuraminic Acid Levels and Changed Hostâ€“Pathogen Interactions in Response to Inflammation. Journal of Proteome Research, 2019, 18, 1760-1773.	1.8	17
35	Physiological responses and welfare implications of rapid hypothermia and immobilisation with high levels of CO2 at two temperatures in Arctic char (Salvelinus alpinus). Aquaculture, 2013, 402-403, 146-151.	1.7	16
36	Effects of electric field exposure on blood pressure, cardioventilatory activity and the physiological stress response in Arctic char, Salvelinus alpinus L.. Aquaculture, 2012, 344-349, 135-140.	1.7	14

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37	Stress responses in Arctic char (Salvelinus alpinus L.) during hyperoxic carbon dioxide immobilization relevant to aquaculture. Aquaculture, 2013, 414-415, 254-259.	1.7	14
38	Environmental impacts on fish mucosa. , 2015, , 171-197.		13
39	Effects of Atlantic salmon (Salmo salar) fed low- and high HUFA diets on growth and midgut intestinal health. Aquaculture, 2021, 539, 736653.	1.7	13
40	Plasma growth hormoneâ€binding protein levels in Atlantic salmon Salmo salar during smoltification and seawater transfer. Journal of Fish Biology, 2014, 85, 1279-1296.	0.7	12
41	Effects of prophylactic antibiotic-treatment on post-surgical recovery following intraperitoneal bio-logger implantation in rainbow trout. Scientific Reports, 2020, 10, 5583.	1.6	12
42	Stress Impairs Skin Barrier Function and Induces Î±2-3 Linked N-Acetylneuraminic Acid and Core 1 O-Glycans on Skin Mucins in Atlantic Salmon, Salmo salar. International Journal of Molecular Sciences, 2021, 22, 1488.	1.8	11
43	Rainbow trout gastrointestinal mucus, mucin production, mucin glycosylation and response to lipopolysaccharide. Fish and Shellfish Immunology, 2022, 122, 181-190.	1.6	11
44	Environmental salinity regulates the in vitro production of [3H]-1,25-dihydroxyvitamin D3 and [3H]-24,25 dihydroxyvitamin D3 in rainbow trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2007, 152, 252-258.	0.8	10
45	Mucin modified SPR interfaces for studying the effect of flow on pathogen binding to Atlantic salmon mucins. Biosensors and Bioelectronics, 2019, 146, 111736.	5.3	10
46	Gill Mucus and Gill Mucin O-glycosylation in Healthy and Amebic Gill Disease-Affected Atlantic Salmon. Microorganisms, 2020, 8, 1871.	1.6	10
47	Effects of coeliacomesenteric blood flow reduction on intestinal barrier function in rainbow trout Oncorhynchus mykiss. Journal of Fish Biology, 2018, 93, 519-527.	0.7	7
48	Continuous physiological welfare evaluation of European whitefish (Coregonus lavaretus) during common aquaculture practices leading up to slaughter. Aquaculture, 2021, 534, 736258.	1.7	7
49	It takes time to heal a broken heart: ventricular plasticity improves heart performance after myocardial infarction in rainbow trout, Oncorhynchus mykiss. Journal of Experimental Biology, 2021, 224, .	0.8	6
50	Transepithelial transfer of phenanthrene, but not of benzo[a]pyrene, is inhibited by fatty acids in the proximal intestine of rainbow trout (Oncorhynchus mykiss). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2018, 204, 97-105.	1.3	5
51	Atlantic Salmon Mucins Inhibit LuxS-Dependent A. Salmonicida AI-2 Quorum Sensing in an N-Acetylneuraminic Acid-Dependent Manner. International Journal of Molecular Sciences, 2022, 23, 4326.	1.8	4
52	Intestinal health in Atlantic salmon post-smolt (Salmo salar) when fed low- and high HUFA diets. Aquaculture, 2022, 557, 738318.	1.7	3
53	Low Holding Densities Increase Stress Response and Aggression in Zebrafish. Biology, 2022, 11, 725.	1.3	2
54	Structural and functional maturation of skin during metamorphosis in the Atlantic halibut (Hippoglossus hippoglossus). Cell and Tissue Research, 2018, 372, 469-492.	1.5	1

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55	Low Omega-3 Levels in the Diet Disturbs Intestinal Barrier and Transporting Functions of Atlantic Salmon Freshwater and Seawater Smolts. Frontiers in Physiology, 2022, 13, 883621.	1.3	1
56	Exposure to textile microfibers causes no effect on blood, behavior and tissue morphology in the three-spined stickleback (Gasterosteus aculeatus). Marine Pollution Bulletin, 2022, 180, 113755.	2.3	1
57	Health of farmed fish: its relation to fish welfare and its utility as welfare indicator. , 2011, , 85-105.		0