

Magnus Lucassen

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,952
citations

218381

26
h-index

168136

53
g-index

70
all docs

70
docs citations

70
times ranked

3470
citing authors

#	ARTICLE	IF	CITATIONS
1	Species distribution, hybridization and connectivity in the genus <i>Chionodraco</i> : Unveiling unknown icefish diversity in antarctica. <i>Diversity and Distributions</i> , 2021, 27, 766-783.	1.9	10
2	Thermal reaction norms of key metabolic enzymes reflect divergent physiological and behavioral adaptations of closely related amphipod species. <i>Scientific Reports</i> , 2021, 11, 4562.	1.6	7
3	Not Frozen in the Ice: Large and Dynamic Rearrangements in the Mitochondrial Genomes of the Antarctic Fish. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	19
4	High gene flow in polar cod (<i>Boreogadus saida</i>) from West-Å Svalbard and the Eurasian Basin. <i>Journal of Fish Biology</i> , 2021, 99, 49-60.	0.7	5
5	Low annual temperature likely prevents the Holarctic amphipod <i>Gammarus lacustris</i> from invading Lake Baikal. <i>Scientific Reports</i> , 2021, 11, 10532.	1.6	5
6	Different ways to play it cool: Transcriptomic analysis sheds light on different activity patterns of three amphipod species under long-term cold exposure. <i>Molecular Ecology</i> , 2021, 30, 5735-5751.	2.0	11
7	Sequence and structure comparison of ATP synthase F0 subunits 6 and 8 in notothenioid fish. <i>PLoS ONE</i> , 2021, 16, e0245822.	1.1	4
8	Transcriptome-level effects of the model organic pollutant phenanthrene and its solvent acetone in three amphipod species. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020, 33, 100630.	0.4	2
9	Fish embryo vulnerability to combined acidification and warming coincides with low capacity for homeostatic regulation. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	26
10	Differential gene expression patterns related to lipid metabolism in response to ocean acidification in larvae and juveniles of Atlantic cod. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 247, 110740.	0.8	7
11	Comparison between transcriptomic responses to short-term stress exposures of a common Holarctic and endemic Lake Baikal amphipods. <i>BMC Genomics</i> , 2019, 20, 712.	1.2	17
12	De novo transcriptome assembly and gene expression profile of thermally challenged green abalone (<i>Haliotis fulgens</i> : Gastropoda) under acute hypoxia and hypercapnia. <i>Marine Genomics</i> , 2019, 45, 48-56.	0.4	15
13	Draft genome assembly and transcriptome data of the icefish <i>Chionodraco myersi</i> reveal the key role of mitochondria for a life without hemoglobin at subzero temperatures. <i>Communications Biology</i> , 2019, 2, 443.	2.0	26
14	Assessment of muscular energy metabolism and heat shock response of the green abalone <i>Haliotis fulgens</i> (Gastropoda: Philipi) at extreme temperatures combined with acute hypoxia and hypercapnia. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2019, 227, 1-11.	0.7	19
15	Genetic variability of the striped venus <i>Chamelea gallina</i> in the northern Adriatic Sea. <i>Fisheries Research</i> , 2018, 201, 68-78.	0.9	11
16	Metabolic response and thermal tolerance of green abalone juveniles (<i>Haliotis fulgens</i> : Gastropoda) under acute hypoxia and hypercapnia. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 497, 11-18.	0.7	40
17	Thermal Preference Ranges Correlate with Stable Signals of Universal Stress Markers in Lake Baikal Endemic and Holarctic Amphipods. <i>PLoS ONE</i> , 2016, 11, e0164226.	1.1	30
18	Temperature Modulates the Effects of Ocean Acidification on Intestinal Ion Transport in Atlantic Cod, <i>Gadus morhua</i> . <i>Frontiers in Physiology</i> , 2016, 7, 198.	1.3	10

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19	Lake Baikal amphipods under climate change: thermal constraints and ecological consequences. <i>Ecosphere</i> , 2016, 7, e01308.	1.0	49
20	A shell regeneration assay to identify biomineralization candidate genes in mytilid mussels. <i>Marine Genomics</i> , 2016, 27, 57-67.	0.4	46
21	Microsatellite markers for the nototheniid fish <i>Lepidonotothen nudifrons</i> and two congeneric species. <i>BMC Research Notes</i> , 2016, 9, 238.	0.6	8
22	Integrated studies of organismal plasticity through physiological and transcriptomic approaches: examples from marine polar regions. <i>Briefings in Functional Genomics</i> , 2016, 15, 365-372.	1.3	3
23	Adjustments of molecular key components of branchial ion and pH regulation in Atlantic cod (<i>Gadus</i>). <i>Biochemistry and Molecular Biology</i> , 2016, 193, 33-46.	0.7	26
24	Response of branchial Na ⁺ /K ⁺ ATPase to changes in ambient temperature in Atlantic cod (<i>Gadus</i>). <i>Systemic, and Environmental Physiology</i> , 2016, 186, 461-470.	0.7	6
25	Non-Antarctic notothenioids: Past phylogenetic history and contemporary phylogeographic implications in the face of environmental changes. <i>Marine Genomics</i> , 2016, 25, 1-9.	0.4	13
26	Impact of long-term moderate hypercapnia and elevated temperature on the energy budget of isolated gills of Atlantic cod (<i>Gadus morhua</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015, 182, 102-112.	0.8	16
27	A first insight into the spleen transcriptome of the nototheniid fish <i>Lepidonotothen nudifrons</i> : Resource description and functional overview. <i>Marine Genomics</i> , 2015, 24, 237-239.	0.4	14
28	Gene expression profiling in gills of the great spider crab <i>Hyas araneus</i> in response to ocean acidification and warming. <i>BMC Genomics</i> , 2014, 15, 789.	1.2	70
29	Stress response or beneficial temperature acclimation: transcriptomic signatures in Antarctic fish (<i>Parachanna aequilifrons</i>). <i>Molecular Ecology</i> , 2014, 23, 3469-3482.	2.0	72
30	Temperature tolerance of different larval stages of the spider crab <i>Hyas araneus</i> exposed to elevated seawater PCO ₂ . <i>Frontiers in Zoology</i> , 2014, 11, 87.	0.9	28
31	A first Glimpse at the genome of the Baikalian amphipod <i>Eulimnogammarus verrucosus</i> . <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2014, 322, 177-189.	0.6	27
32	Tolerance of <i>Hyas araneus</i> zoea I larvae to elevated seawater PCO ₂ despite elevated metabolic costs. <i>Marine Biology</i> , 2013, 160, 1943-1953.	0.7	23
33	Impacts of seawater acidification on mantle gene expression patterns of the Baltic Sea blue mussel: implications for shell formation and energy metabolism. <i>Marine Biology</i> , 2013, 160, 1845-1861.	0.7	134
34	Characterization and analysis of a transcriptome from the boreal spider crab <i>Hyas araneus</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2013, 8, 344-351.	0.4	14
35	Evolutionary force in confamilial marine vertebrates of different temperature realms: adaptive trends in zoarcid fish transcriptomes. <i>BMC Genomics</i> , 2012, 13, 549.	1.2	17
36	Influence of Temperature, Hypercapnia, and Development on the Relative Expression of Different Hemocyanin Isoforms in the Common Cuttlefish <i>Sepia officinalis</i> . <i>Journal of Experimental Zoology</i> , 2012, 317, 511-523.	1.2	21

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37	Physiological capacity of Cancer setosus larvae " Adaptation to El Niño Southern Oscillation conditions. Journal of Experimental Marine Biology and Ecology, 2012, 413, 100-105.	0.7	10
38	Mitochondrial Function in Antarctic Nototheniids with ND6 Translocation. PLoS ONE, 2012, 7, e31860.	1.1	30
39	Elevated seawater Pco2 differentially affects branchial acid-base transporters over the course of development in the cephalopod Sepia officinalis. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R1100-R1114.	0.9	67
40	Thermal acclimation in Antarctic fish: transcriptomic profiling of metabolic pathways. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R1453-R1466.	0.9	70
41	Exploring Uncoupling Proteins and Antioxidant Mechanisms under Acute Cold Exposure in Brains of Fish. PLoS ONE, 2011, 6, e18180.	1.1	91
42	Hypercapnia induced shifts in gill energy budgets of Antarctic notothenioids. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 347-359.	0.7	50
43	Localization of ion-regulatory epithelia in embryos and hatchlings of two cephalopods. Cell and Tissue Research, 2010, 339, 571-583.	1.5	32
44	Physiological basis for high CO ₂ tolerance in marine ectothermic animals: pre-adaptation through lifestyle and ontogeny?. Biogeosciences, 2009, 6, 2313-2331.	1.3	544
45	Swimming performance in Atlantic Cod (Gadus morhua) following long-term (4-12 months) acclimation to elevated seawater PCO ₂ . Aquatic Toxicology, 2009, 92, 30-37.	1.9	136
46	Synergistic interactions of environmental stressors: Dilemma or benefit?. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 150, S156.	0.8	0
47	Acclimation of ion regulatory capacities in gills of marine fish under environmental hypercapnia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1660-R1670.	0.9	93
48	Cold induced changes of adenosine levels in common eelpout (<i>Zoarces viviparus</i>): a role in modulating cytochrome c oxidase expression. Journal of Experimental Biology, 2008, 211, 1262-1269.	0.8	11
49	Cod and climate in a latitudinal cline: physiological analyses of climate effects in marine fishes. Climate Research, 2008, 37, 253-270.	0.4	120
50	From critters to cancers: bridging comparative and clinical research on oxygen sensing, HIF signaling, and adaptations towards hypoxia. Integrative and Comparative Biology, 2007, 47, 552-577.	0.9	28
51	Differential expression of duplicated LDH-A genes during temperature acclimation of weatherfish Misgurnus fossilis. FEBS Journal, 2007, 274, 1503-1513.	2.2	14
52	Antarctic sea ice: Habitat characteristics, metazoan fauna, and adaptations to low temperature. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 146, S154.	0.8	0
53	Adaptation of ion regulatory capacities in gills of cold and warm water fish under hypercapnic acidosis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 146, S212.	0.8	0
54	Molecular characterisation and expression of Atlantic cod (Gadus morhua) myoglobin from two populations held at two different acclimation temperatures. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 148, 681-689.	0.8	15

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55	Microsatellite DNA variation indicates low levels of genetic differentiation among cuttlefish (<i>Sepia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock Physiology Part D: Genomics and Proteomics, 2006, 1, 375-383.	0.4	10
56	Thermal sensitivity of uncoupling protein expression in polar and temperate fish. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2006, 1, 365-374.	0.4	34
57	Trade-offs in Thermal Adaptation: The Need for a Molecular to Ecological Integration. <i>Physiological and Biochemical Zoology</i> , 2006, 79, 295-313.	0.6	324
58	Oxidative stress and HIF-1 DNA binding during stressful cold exposure and recovery in the North Sea eelpout (<i>Zoarces viviparus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2006, 143, 494-503.	0.8	58
59	Mitochondrial mechanisms of cold adaptation in cod (<i>Gadus morhua</i> L.) populations from different climatic zones. <i>Journal of Experimental Biology</i> , 2006, 209, 2462-2471.	0.8	110
60	Mitochondrial proliferation in the permanent vs. temporary cold: enzyme activities and mRNA levels in Antarctic and temperate zoarcid fish. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 285, R1410-R1420.	0.9	56
61	Microscale genetic differentiation along the vertical shore gradient in White Sea snails <i>Littorina saxatilis</i> (Olivi) assessed by microsatellite markers. <i>Journal of Molluscan Studies</i> , 2003, 69, 388-391.	0.4	11
62	Dimerization of signalling modules of the EvgAS and BvgAS phosphorelay systems. <i>BBA - Proteins and Proteomics</i> , 2000, 1478, 341-354.	2.1	25
63	Regulation of RssB-dependent proteolysis in <i>Escherichia coli</i> : a role for acetyl phosphate in a response regulator-controlled process. <i>Molecular Microbiology</i> , 1998, 27, 787-795.	1.2	123
64	Characterization of Truncated Forms of the KdpD Protein, the Sensor Kinase of the K ⁺ -translocating Kdp System of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 25027-25034.	1.6	37