

Daniela Storch

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,081
citations

331259

21
h-index

525886

27
g-index

30
all docs

30
docs citations

30
times ranked

1379
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraints and trade-offs in climate-dependent adaptation: energy budgets and growth in a latitudinal cline. <i>Scientia Marina</i> , 2005, 69, 271-285.	0.3	80
2	Metabolic Biochemistry: Its Role in Thermal Tolerance and in the Capacities of Physiological and Ecological Function. <i>Fish Physiology</i> , 2005, 22, 79-154.	0.2	71
3	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
4	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. <i>PLoS ONE</i> , 2016, 11, e0159068.	1.1	64
5	Climate sensitivity across marine domains of life: limits to evolutionary adaptation shape species interactions. <i>Global Change Biology</i> , 2014, 20, 3059-3067.	4.2	63
6	Combined effects of short-term exposure to elevated CO ₂ and decreased O ₂ on the physiology and energy budget of the thick shell mussel <i>Mytilus coruscus</i> . <i>Chemosphere</i> , 2016, 155, 207-216.	4.2	59
7	Antioxidant response of the hard shelled mussel <i>Mytilus coruscus</i> exposed to reduced pH and oxygen concentration. <i>Ecotoxicology and Environmental Safety</i> , 2017, 137, 94-102.	2.9	59
8	Thermal tolerance of crustacean larvae (zoea I) in two different populations of the kelp crab <i>Taliepus dentatus</i> (Milne-Edwards). <i>Journal of Experimental Biology</i> , 2009, 212, 1371-1376.	0.8	56
9	Aerobic mitochondrial capacities in Antarctic and temperate eelpout (Zoarcidae) subjected to warm versus cold acclimation. <i>Polar Biology</i> , 2005, 28, 575-584.	0.5	53
10	Thermal tolerance of larval stages of the Chilean kelp crab <i>Taliepus dentatus</i> . <i>Marine Ecology - Progress Series</i> , 2011, 429, 157-167.	0.9	51
11	Effects of ocean acidification increase embryonic sensitivity to thermal extremes in Atlantic cod, <i>Gadus morhua</i> . <i>Global Change Biology</i> , 2017, 23, 1499-1510.	4.2	50
12	Northern cod species face spawning habitat losses if global warming exceeds 1.5°C. <i>Science Advances</i> , 2018, 4, eaas8821.	4.7	50
13	Early life stages of an arctic keystone species (<i>Boreogadus saida</i>) show high sensitivity to a water-soluble fraction of crude oil. <i>Environmental Pollution</i> , 2016, 218, 605-614.	3.7	42
14	Temperature-dependent protein synthesis capacities in Antarctic and temperate (North Sea) fish (Zoarcidae). <i>Journal of Experimental Biology</i> , 2005, 208, 2409-2420.	0.8	39
15	Elevated pCO ₂ Affects Feeding Behavior and Acute Physiological Response of the Brown Crab <i>Cancer pagurus</i> . <i>Frontiers in Physiology</i> , 2018, 9, 1164.	1.3	29
16	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
17	The Protein Synthesis Machinery Operates at the Same Expense in Eurythermal and Cold Stenothermal Pectinids. <i>Physiological and Biochemical Zoology</i> , 2003, 76, 28-40.	0.6	27
18	Impact of Ocean Acidification and Warming on the bioenergetics of developing eggs of Atlantic herring <i>Clupea harengus</i> . , 2018, 6, coy050.		27

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19	Forecasting future recruitment success for Atlantic cod in the warming and acidifying Barents Sea. <i>Global Change Biology</i> , 2018, 24, 526-535.	4.2	26
20	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
21	In vitro protein synthesis capacities in a cold stenothermal and a temperate eurythermal pectinid. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2003, 173, 611-620.	0.7	25
22	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
23	Population dynamics and metabolism of <i>Aequipecten opercularis</i> (L.) from the western English Channel (Roscoff, France). <i>Journal of Sea Research</i> , 2004, 52, 33-44.	0.6	22
24	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
25	Latitudinal variation in maternal investment traits of the kelp crab <i>Taliepus dentatus</i> along the coast of Chile. <i>Marine Biology</i> , 2018, 165, 1.	0.7	14
26	Temperature-dependent activity in early life stages of the stone crab <i>Paralomis granulosa</i> (Decapoda). <i>Journal of Experimental Biology and Ecology</i> , 2011, 397, 27-37.	0.7	9
27	Effects of ocean acidification and warming on the mitochondrial physiology of Atlantic cod. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, e26.	0.5	2
28	Broodstock exposure to warming and elevated CO ₂ impairs gamete quality and narrows the temperature window of fertilisation in Atlantic cod. <i>Journal of Fish Biology</i> , 2022, 101, 822-833.	0.7	0