

Petra H Lenz

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,378
citations

331670

21
h-index

345221

36
g-index

40
all docs

40
docs citations

40
times ranked

1296
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological acclimatization in high-latitude zooplankton. <i>Molecular Ecology</i> , 2022, 31, 1753-1765.	3.9	5
2	Species-specific biomass estimation from gene copy number in metazoan plankton. <i>Limnology and Oceanography: Methods</i> , 2022, 20, 305-319.	2.0	0
3	Diapause vs. reproductive programs: transcriptional phenotypes in a keystone copepod. <i>Communications Biology</i> , 2021, 4, 426.	4.4	16
4	Post-diapause transcriptomic restarts: insight from a high-latitude copepod. <i>BMC Genomics</i> , 2021, 22, 409.	2.8	6
5	Transcriptomics and metatranscriptomics in zooplankton: wave of the future?. <i>Journal of Plankton Research</i> , 2021, 43, 3-9.	1.8	21
6	t-Distributed Stochastic Neighbor Embedding (t-SNE): A tool for eco-physiological transcriptomic analysis. <i>Marine Genomics</i> , 2020, 51, 100723.	1.1	113
7	Rotational Maneuvers of Copepod Nauplii at Low Reynolds Number. <i>Fluids</i> , 2020, 5, 78.	1.7	8
8	Regional heterogeneity impacts gene expression in the subarctic zooplankter <i>Neocalanus flemingeri</i> in the northern Gulf of Alaska. <i>Communications Biology</i> , 2019, 2, 324.	4.4	12
9	Predatory posture and performance in a precocious larval fish targeting evasive copepods. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	1
10	Going with the flow: hydrodynamic cues trigger directed escapes from a stalking predator. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20180776.	3.4	12
11	Prediction of a peptidome for the ecotoxicological model <i>Hyaella azteca</i> (Crustacea; Amphipoda) using a de novo assembled transcriptome. <i>Marine Genomics</i> , 2018, 38, 67-88.	1.1	13
12	Escapes in copepods: comparison between myelinate and amyelinate species. <i>Journal of Experimental Biology</i> , 2017, 220, 754-758.	1.7	20
13	Complementary mechanisms for neurotoxin resistance in a copepod. <i>Scientific Reports</i> , 2017, 7, 14201.	3.3	11
14	Vertical gradients in species richness and community composition across the twilight zone in the North Pacific Subtropical Gyre. <i>Molecular Ecology</i> , 2017, 26, 6136-6156.	3.9	46
15	A deep transcriptomic resource for the copepod crustacean <i>Labidocera madurae</i> : A potential indicator species for assessing near shore ecosystem health. <i>PLoS ONE</i> , 2017, 12, e0186794.	2.5	17
16	Molecular Characterization of Copepod Photoreception. <i>Biological Bulletin</i> , 2017, 233, 96-110.	1.8	14
17	Glutathione S-Transferase Regulation in <i>Calanus finmarchicus</i> Feeding on the Toxic Dinoflagellate <i>Alexandrium fundyense</i> . <i>PLoS ONE</i> , 2016, 11, e0159563.	2.5	9
18	Predator-prey interactions in the plankton: larval fish feeding on evasive copepods. <i>Scientific Reports</i> , 2016, 6, 33585.	3.3	52

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19	Diversity of insulin-like peptide signaling system proteins in <i>Calanus finmarchicus</i> (Crustacea); Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Endocrinology, 2016, 236, 157-173.	1.8	35
20	Transcriptomic responses of the calanoid copepod <i>Calanus finmarchicus</i> to the saxitoxin producing dinoflagellate <i>Alexandrium fundyense</i> . Scientific Reports, 2016, 6, 25708.	3.3	29
21	Choreographed swimming of copepod nauplii. Journal of the Royal Society Interface, 2015, 12, 20150776.	3.4	29
22	Glutathione S-Transferase (GST) Gene Diversity in the Crustacean <i>Calanus finmarchicus</i> â€“ Contributors to Cellular Detoxification. PLoS ONE, 2015, 10, e0123322.	2.5	53
23	De Novo Assembly of a Transcriptome for <i>Calanus finmarchicus</i> (Crustacea, Copepoda) â€“ The Dominant Zooplankter of the North Atlantic Ocean. PLoS ONE, 2014, 9, e88589.	2.5	99
24	Identification and developmental expression of the enzymes responsible for dopamine, histamine, octopamine and serotonin biosynthesis in the copepod crustacean <i>Calanus finmarchicus</i> . General and Comparative Endocrinology, 2014, 195, 28-39.	1.8	32
25	Diffusible gas transmitter signaling in the copepod crustacean <i>Calanus finmarchicus</i> : Identification of the biosynthetic enzymes of nitric oxide (NO), carbon monoxide (CO) and hydrogen sulfide (H ₂ S) using a de novo assembled transcriptome. General and Comparative Endocrinology, 2014, 202, 76-86.	1.8	18
26	Measuring copepod naupliar abundance in a subtropical bay using quantitative PCR. Marine Biology, 2013, 160, 3125-3141.	1.5	18
27	In silico characterization of the insect diapause-associated protein couch potato (CPO) in <i>Calanus finmarchicus</i> (Crustacea: Copepoda). Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2013, 8, 45-57.	1.0	11
28	Swimming and escape behavior in two species of calanoid copepods from nauplius to adult. Journal of Plankton Research, 2013, 35, 49-65.	1.8	70
29	Copepod diversity in a subtropical bay based on a fragment of the mitochondrial COI gene. Journal of Plankton Research, 2013, 35, 630-643.	1.8	15
30	Peptidergic signaling in <i>Calanus finmarchicus</i> (Crustacea, Copepoda): In silico identification of putative peptide hormones and their receptors using a de novo assembled transcriptome. General and Comparative Endocrinology, 2013, 187, 117-135.	1.8	77
31	Prediction of the protein components of a putative <i>Calanus finmarchicus</i> (Crustacea, Copepoda) circadian signaling system using a de novo assembled transcriptome. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2013, 8, 165-193.	1.0	34
32	Sensory perception, neurobiology, and behavioral adaptations for predator avoidance in planktonic copepods. Adaptive Behavior, 2012, 20, 57-66.	1.9	35
33	Functional genomics resources for the North Atlantic copepod, <i>Calanus finmarchicus</i> : EST database and physiological microarray. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2012, 7, 110-123.	1.0	26
34	Management of nauplius production in the paracalanid, <i>Bestiolina similis</i> (Crustacea: Copepoda): Effects of stocking densities and culture dilution. Aquaculture, 2008, 276, 69-77.	3.5	31
35	Escape strategies in co-occurring calanoid copepods. Limnology and Oceanography, 2007, 52, 2373-2385.	3.1	36
36	Genomic approaches to detecting thermal stress in <i>Calanus finmarchicus</i> (Copepoda: Calanoida). Journal of Experimental Marine Biology and Ecology, 2004, 311, 37-46.	1.5	58

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37	Myelin-like sheaths in copepod axons. <i>Nature</i> , 1999, 398, 571-571.	27.8	77
38	Physiological and behavioral studies of escape responses in calanoid copepods. <i>Marine and Freshwater Behaviour and Physiology</i> , 1996, 27, 199-212.	0.9	28
39	Otolith structural and chemical analyses: the key to resolving age and growth of the Antarctic silverfish, <i>Pleuragramma antarcticum</i> . <i>Antarctic Science</i> , 1993, 5, 51-62.	0.9	34
40	Mechanoreception in marine copepods: electrophysiological studies on the first antennae. <i>Journal of Plankton Research</i> , 1992, 14, 495-512.	1.8	157