

Petra H Lenz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3573667/publications.pdf>

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	Mechanoreception in marine copepods: electrophysiological studies on the first antennae. <i>Journal of Plankton Research</i> , 1992, 14, 495-512.	1.8	157
2	t-Distributed Stochastic Neighbor Embedding (t-SNE): A tool for eco-physiological transcriptomic analysis. <i>Marine Genomics</i> , 2020, 51, 100723.	1.1	113
3	De Novo Assembly of a Transcriptome for <i>Calanus finmarchicus</i> (Crustacea, Copepoda) – The Dominant Zooplankter of the North Atlantic Ocean. <i>PLoS ONE</i> , 2014, 9, e88589.	2.5	99
4	Myelin-like sheaths in copepod axons. <i>Nature</i> , 1999, 398, 571-571.	27.8	77
5	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. <i>General and Comparative Endocrinology</i> , 2013, 187, 117-135.	1.8	77
6	Swimming and escape behavior in two species of calanoid copepods from nauplius to adult. <i>Journal of Plankton Research</i> , 2013, 35, 49-65.	1.8	70
7	Genomic approaches to detecting thermal stress in <i>Calanus finmarchicus</i> (Copepoda: Calanoida). <i>Journal of Experimental Marine Biology and Ecology</i> , 2004, 311, 37-46.	1.5	58
8	Glutathione S-Transferase (GST) Gene Diversity in the Crustacean <i>Calanus finmarchicus</i> – Contributors to Cellular Detoxification. <i>PLoS ONE</i> , 2015, 10, e0123322.	2.5	53
9	Predator-prey interactions in the plankton: larval fish feeding on evasive copepods. <i>Scientific Reports</i> , 2016, 6, 33585.	3.3	52
10	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
11	Escape strategies in co-occurring calanoid copepods. <i>Limnology and Oceanography</i> , 2007, 52, 2373-2385.	3.1	36
12	Sensory perception, neurobiology, and behavioral adaptations for predator avoidance in planktonic copepods. <i>Adaptive Behavior</i> , 2012, 20, 57-66.	1.9	35
13	Diversity of insulin-like peptide signaling system proteins in <i>Calanus finmarchicus</i> (Crustacea); Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Endocrinology</i> , 2016, 236, 157-173.	1.8	35
14	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
15	Prediction of the protein components of a putative <i>Calanus finmarchicus</i> (Crustacea, Copepoda) circadian signaling system using a de novo assembled transcriptome. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2013, 8, 165-193.	1.0	34
16	Identification and developmental expression of the enzymes responsible for dopamine, histamine, octopamine and serotonin biosynthesis in the copepod crustacean <i>Calanus finmarchicus</i> . <i>General and Comparative Endocrinology</i> , 2014, 195, 28-39.	1.8	32
17	Management of nauplius production in the paracalanid, <i>Bestiolina similis</i> (Crustacea: Copepoda): Effects of stocking densities and culture dilution. <i>Aquaculture</i> , 2008, 276, 69-77.	3.5	31
18	Choreographed swimming of copepod nauplii. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150776.	3.4	29

#	ARTICLE	IF	CITATIONS
19	Transcriptomic responses of the calanoid copepod <i>Calanus finmarchicus</i> to the saxitoxin producing dinoflagellate <i>Alexandrium fundyense</i> . <i>Scientific Reports</i> , 2016, 6, 25708.	3.3	29
20	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
21	Functional genomics resources for the North Atlantic copepod, <i>Calanus finmarchicus</i> : EST database and physiological microarray. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2012, 7, 110-123.	1.0	26
22	Transcriptomics and metatranscriptomics in zooplankton: wave of the future?. <i>Journal of Plankton Research</i> , 2021, 43, 3-9.	1.8	21
23	Escapes in copepods: comparison between myelinate and amyelinate species. <i>Journal of Experimental Biology</i> , 2017, 220, 754-758.	1.7	20
24	Measuring copepod naupliar abundance in a subtropical bay using quantitative PCR. <i>Marine Biology</i> , 2013, 160, 3125-3141.	1.5	18
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. <i>General and Comparative Endocrinology</i> , 2014, 202, 76-86.	1.8	18
26	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
27	Diapause vs. reproductive programs: transcriptional phenotypes in a keystone copepod. <i>Communications Biology</i> , 2021, 4, 426.	4.4	16
28	Copepod diversity in a subtropical bay based on a fragment of the mitochondrial COI gene. <i>Journal of Plankton Research</i> , 2013, 35, 630-643.	1.8	15
29	Molecular Characterization of Copepod Photoreception. <i>Biological Bulletin</i> , 2017, 233, 96-110.	1.8	14
30	Prediction of a peptidome for the ecotoxicological model <i>Hyalella azteca</i> (Crustacea; Amphipoda) using a de novo assembled transcriptome. <i>Marine Genomics</i> , 2018, 38, 67-88.	1.1	13
31	Regional heterogeneity impacts gene expression in the subarctic zooplankton <i>Neocalanus flemingeri</i> in the northern Gulf of Alaska. <i>Communications Biology</i> , 2019, 2, 324.	4.4	12
32	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
33	In silico characterization of the insect diapause-associated protein couch potato (CPO) in <i>Calanus finmarchicus</i> (Crustacea: Copepoda). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2013, 8, 45-57.	1.0	11
34	Complementary mechanisms for neurotoxin resistance in a copepod. <i>Scientific Reports</i> , 2017, 7, 14201.	3.3	11
35	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
36	Rotational Maneuvers of Copepod Nauplii at Low Reynolds Number. <i>Fluids</i> , 2020, 5, 78.	1.7	8

#	ARTICLE	IF	CITATIONS
37	Post-diapause transcriptomic restarts: insight from a high-latitude copepod. BMC Genomics, 2021, 22, 409.	2.8	6
38	Physiological acclimatization in high-latitude zooplankton. Molecular Ecology, 2022, 31, 1753-1765.	3.9	5
39	Predatory posture and performance in a precocious larval fish targeting evasive copepods. Journal of Experimental Biology, 2019, 222, .	1.7	1
40	Species-specific biomass estimation from gene copy number in metazoan plankton. Limnology and Oceanography: Methods, 2022, 20, 305-319.	2.0	0