Vittoria Roncalli

List of Publications by Year in Descending Order

36 papers	644 citations	15 h-index	24 g-index
38 ext. papers	830 ext. citations	3.7 avg, IF	4.14 L-index

#	Paper	IF	Citations
36	Physiological Acclimatization in High-Latitude Zooplankton.. *Molecular Ecology*, **2022**,	5.7	1
35	Transcriptomics and metatranscriptomics in zooplankton: wave of the future?. *Journal of Plankton Research*, **2021**, 43, 3-9	2.2	6
34	Diapause vs. reproductive programs: transcriptional phenotypes in a keystone copepod. *Communications Biology*, **2021**, 4, 426	6.7	3
33	Post-diapause transcriptomic restarts: insight from a high-latitude copepod. *BMC Genomics*, **2021**, 22, 409	4.5	2
32	Glutathione S-Transferases in Marine Copepods. *Journal of Marine Science and Engineering*, **2021**, 9, 1025	2.4	1
31	First De Novo Transcriptome of the Copepod from Antarctic Waters. *Biology*, **2020**, 9,	4.9	2
30	Capital Breeding in a Diapausing Copepod: A Transcriptomics Analysis. *Frontiers in Marine Science*, **2020**, 7,	4.5	7
29	t-Distributed Stochastic Neighbor Embedding (t-SNE): A tool for eco-physiological transcriptomic analysis. *Marine Genomics*, **2020**, 51, 100723	1.9	37
28	Regional heterogeneity impacts gene expression in the subarctic zooplankter in the northern Gulf of Alaska. *Communications Biology*, **2019**, 2, 324	6.7	7
27	Diapause within the Context of Life-History Strategies in Calanid Copepods (Calanoida: Crustacea). *Biological Bulletin*, **2019**, 237, 170-179	1.5	7
26	Circadian signaling in Homarus americanus: Region-specific de novo assembled transcriptomes show that both the brain and eyestalk ganglia possess the molecular components of a putative clock system. *Marine Genomics*, **2018**, 40, 25-44	1.9	19
25	Prediction of a peptidome for the ecotoxicological model Hyalella azteca (Crustacea; Amphipoda) using a de novo assembled transcriptome. *Marine Genomics*, **2018**, 38, 67-88	1.9	10
24	De novo transcriptome assembly of the calanoid copepod Neocalanus flemingeri: A new resource for emergence from diapause. *Marine Genomics*, **2018**, 37, 114-119	1.9	12
23	Physiological characterization of the emergence from diapause: A transcriptomics approach. *Scientific Reports*, **2018**, 8, 12577	4.9	25
22	Diatom bloom-derived biotoxins cause aberrant development and gene expression in the appendicularian chordate. *Communications Biology*, **2018**, 1, 121	6.7	9
21	Molecular evidence for an intrinsic circadian pacemaker in the cardiac ganglion of the American lobster, Homarus americanus - Is diel cycling of heartbeat frequency controlled by a peripheral clock system?. *Marine Genomics*, **2018**, 41, 19-30	1.9	14
20	Gene losses did not stop the evolution of big brains. *ELife*, **2018**, 7,	8.9	1

19	Complementary mechanisms for neurotoxin resistance in a copepod. *Scientific Reports*, **2017**, 7, 14201	4.9	6
18	A deep transcriptomic resource for the copepod crustacean Labidocera madurae: A potential indicator species for assessing near shore ecosystem health. *PLoS ONE*, **2017**, 12, e0186794	3.7	15
17	Molecular Characterization of Copepod Photoreception. *Biological Bulletin*, **2017**, 233, 96-110	1.5	9
16	Prediction of a neuropeptidome for the eyestalk ganglia of the lobster Homarus americanus using a tissue-specific de novo assembled transcriptome. *General and Comparative Endocrinology*, **2017**, 243, 96-119	3	38
15	Peptidergic Modulation in the Lobster Cardiac Neuromuscular System: A Transcriptomic Analysis of Peptides and Peptide Receptors in Cardiac Ganglion and Muscle. *FASEB Journal*, **2017**, 31, 874.8	0.9	1
14	Transcriptomic responses of the calanoid copepod Calanus finmarchicus to the saxitoxin producing dinoflagellate Alexandrium fundyense. *Scientific Reports*, **2016**, 6, 25708	4.9	20
13	The effect of the toxic dinoflagellate on the fitness of the calanoid copepod. *Harmful Algae*, **2016**, 51, 56-66	5.3	12
12	Glutathione S-Transferase Regulation in Calanus finmarchicus Feeding on the Toxic Dinoflagellate Alexandrium fundyense. *PLoS ONE*, **2016**, 11, e0159563	3.7	8
11	New oxylipins produced at the end of a diatom bloom and their effects on copepod reproductive success and gene expression levels. *Harmful Algae*, **2016**, 55, 221-229	5.3	33
10	Diversity of insulin-like peptide signaling system proteins in Calanus finmarchicus (Crustacea; Copepoda) - Possible contributors to seasonal pre-adult diapause. *General and Comparative Endocrinology*, **2016**, 236, 157-173	3	27
9	Non-volatile oxylipins can render some diatom blooms more toxic for copepod reproduction. *Harmful Algae*, **2015**, 44, 1-7	5.3	22
8	Glutathione S-Transferase (GST) Gene Diversity in the Crustacean Calanus finmarchicus--Contributors to Cellular Detoxification. *PLoS ONE*, **2015**, 10, e0123322	3.7	38
7	Identification and developmental expression of the enzymes responsible for dopamine, histamine, octopamine and serotonin biosynthesis in the copepod crustacean Calanus finmarchicus. *General and Comparative Endocrinology*, **2014**, 195, 28-39	3	29
6	Diffusible gas transmitter signaling in the copepod crustacean Calanus finmarchicus: identification of the biosynthetic enzymes of nitric oxide (NO), carbon monoxide (CO) and hydrogen sulfide (H2S) using a de novo assembled transcriptome. *General and Comparative Endocrinology*, **2014**, 202, 76-86	3	16
5	De novo assembly of a transcriptome for Calanus finmarchicus (Crustacea, Copepoda)--the dominant zooplankter of the North Atlantic Ocean. *PLoS ONE*, **2014**, 9, e88589	3.7	86
4	In silico characterization of the insect diapause-associated protein couch potato (CPO) in Calanus finmarchicus (Crustacea: Copepoda). *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, **2013**, 8, 45-57	2	9
3	Peptidergic signaling in Calanus finmarchicus (Crustacea, Copepoda): in silico identification of putative peptide hormones and their receptors using a de novo assembled transcriptome. *General and Comparative Endocrinology*, **2013**, 187, 117-35	3	65
2	Biogeographic effects of the Gulf of Mexico red tide dinoflagellate Karenia brevis on Mediterranean copepods. *Harmful Algae*, **2012**, 16, 63-73	5.3	13

1	Impact of the diatom oxylipin 15S-HEPE on the reproductive success of the copepod Temora stylifera. *Hydrobiologia*, **2011**, 666, 265-275	2.4	34