Ylenia Carotenuto

List of Publications by Year in descending order

46 papers	1,646 citations	279798 23 h-index	289244 40 g-index
48 all docs	48 docs citations	48 times ranked	1389 citing authors

#	Article	IF	Citations
1	Aldehyde suppression of copepod recruitment in blooms of a ubiquitous planktonic diatom. Nature, 2004, 429, 403-407.	27.8	373
2	Is postembryonic development in the copepod Temora stylifera negatively affected by diatom diets?. Journal of Experimental Marine Biology and Ecology, 2002, 276, 49-66.	1.5	72
3	Colloquium on diatom-copepod interactions. Marine Ecology - Progress Series, 2005, 286, 293-305.	1.9	68
4	Zooplankton feeding ecology: does a diet of Phaeocystis support good copepod grazing, survival, egg production and egg hatching success?. Journal of Plankton Research, 2002, 24, 1185-1195.	1.8	61
5	Microzooplankton grazing and phytoplankton growth in marine mesocosms with increased CO₂ levels. Biogeosciences, 2008, 5, 1145-1156.	3.3	57
6	Copepod Population-Specific Response to a Toxic Diatom Diet. PLoS ONE, 2012, 7, e47262.	2.5	57
7	Fate of paralytic shellfish poisoning toxins ingested by the copepod Acartia clausi. Marine Ecology - Progress Series, 2002, 240, 105-115.	1.9	52
8	Molecular Evidence of the Toxic Effects of Diatom Diets on Gene Expression Patterns in Copepods. PLoS ONE, 2011, 6, e26850.	2.5	46
9	First molecular evidence of diatom effects in the copepod Calanus helgolandicus. Journal of Experimental Marine Biology and Ecology, 2011, 404, 79-86.	1.5	43
10	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.	4.8	40
11	Life-history responses of Daphnia pulicaria to diets containing freshwater diatoms: Effects of nutritional quality versus polyunsaturated aldehydes. Limnology and Oceanography, 2005, 50, 449-454.	3.1	37
12	Diatom induction of reproductive failure in copepods: The effect of PUAs versus non volatile oxylipins. Journal of Experimental Marine Biology and Ecology, 2011, 401, 13-19.	1.5	37
13	Impact of the diatom oxylipin 15S-HEPE on the reproductive success of the copepod Temora stylifera. Hydrobiologia, 2011, 666, 265-275.	2.0	37
14	Aldehyde-encapsulating liposomes impair marine grazer survivorship. Journal of Experimental Biology, 2008, 211, 1426-1433.	1.7	33
15	Using chemical language to shape future marine health. Frontiers in Ecology and the Environment, 2019, 17, 530-537.	4.0	33
16	Insights into the transcriptome of the marine copepod Calanus helgolandicus feeding on the oxylipin-producing diatom Skeletonema marinoi. Harmful Algae, 2014, 31, 153-162.	4.8	31
17	Copepod egg production and hatching success is reduced by maternal diets of a non-neurotoxic strain of the dinoflagellate Alexandrium tamarense. Marine Ecology - Progress Series, 2004, 280, 199-210.	1.9	29
18	Maternal and neonate diatom diets impair development and sex differentiation in the copepod Temora stylifera. Journal of Experimental Marine Biology and Ecology, 2011, 396, 99-107.	1.5	28

#	Article	IF	Citations
19	Non-volatile oxylipins can render some diatom blooms more toxic for copepod reproduction. Harmful Algae, 2015, 44, 1-7.	4.8	28
20	Effects of the oxylipin-producing diatom Skeletonema marinoi on gene expression levels of the calanoid copepod Calanus sinicus. Marine Genomics, 2015, 24, 89-94.	1.1	27
21	Use of the confocal laser scanning microscope in studies on the developmental biology of marine crustaceans. Microscopy Research and Technique, 2003, 60, 458-464.	2.2	26
22	De novo transcriptome assembly and differential gene expression analysis of the calanoid copepod Acartia tonsa exposed to nickel nanoparticles. Chemosphere, 2018, 209, 163-172.	8.2	25
23	Annual cycle of early developmental stage survival and recruitment in the copepods Temora stylifera and Centropages typicus. Marine Ecology - Progress Series, 2006, 314, 227-238.	1.9	25
24	Effect of specific dinoflagellate and diatom diets on gamete ultrastructure and fatty acid profiles of the copepod Temora stylifera. Marine Biology, 2001, 138, 1241-1250.	1.5	23
25	Changes in expression of stress genes in copepods feeding upon a non-brevetoxin-producing strain of the dinoflagellate Karenia brevis. Harmful Algae, 2013, 28, 23-30.	4.8	23
26	De Novo Transcriptome Assembly and Gene Expression Profiling of the Copepod Calanus helgolandicus Feeding on the PUA-Producing Diatom Skeletonema marinoi. Marine Drugs, 2020, 18, 392.	4.6	23
27	Assessment of the relative sensitivity of the copepods Acartia tonsa and Acartia clausi exposed to sediment-derived elutriates from the Bagnoli-Coroglio industrial area. Marine Environmental Research, 2020, 155, 104878.	2.5	22
28	Multi-generation cultivation of the copepod Calanus helgolandicus in a re-circulating system. Journal of Experimental Marine Biology and Ecology, 2012, 418-419, 46-58.	1.5	21
29	Impact of the diatom-derived polyunsaturated aldehyde 2-trans,4-trans decadienal on the feeding, survivorship and reproductive success of the calanoid copepod Temora stylifera. Marine Environmental Research, 2014, 93, 31-37.	2.5	20
30	High-quality RNA extraction from copepods for Next Generation Sequencing: A comparative study. Marine Genomics, 2015, 24, 115-118.	1.1	20
31	Giant liposomes as delivery system for ecophysiological studies in copepods. Journal of Experimental Biology, 2006, 209, 801-809.	1.7	19
32	Density-dependent oxylipin production in natural diatom communities: possible implications for plankton dynamics. ISME Journal, 2020, 14, 164-177.	9.8	19
33	Ingestion and incorporation of freshwater diatoms by Daphnia pulicaria: do morphology and oxylipin production matter?. Journal of Plankton Research, 2004, 26, 563-569.	1.8	18
34	Effects of food conditions on the development of the population of Temora stylifera: A modeling approach. Journal of Marine Systems, 2006, 62, 71-84.	2.1	17
35	Biogeographic effects of the Gulf of Mexico red tide dinoflagellate Karenia brevis on Mediterranean copepods. Harmful Algae, 2012, 16, 63-73.	4.8	17
36	WGEUROBUS â€“ Working Group â€œTowards a EURopean OBservatory of the non-indigenous calanoid copepod Pseudodiaptomus marinUSâ€• Biological Invasions, 2020, 22, 885-906.	2.4	17

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37	UPLCâ€“MS/MS Identification of Sterol Sulfates in Marine Diatoms. Marine Drugs, 2019, 17, 10.	4.6	16
38	Morphological analysis of larval stages of Temora stylifera (Copepoda, Calanoida) from the Mediterranean Sea. Journal of Plankton Research, 1999, 21, 1613-1632.	1.8	15
39	Oxylipin production during a mesocosm bloom of Skeletonema marinoi. Journal of Experimental Marine Biology and Ecology, 2013, 446, 159-165.	1.5	14
40	Re-shaping marine plankton communities: effects of diatom oxylipins on copepods and beyond. Marine Biology, 2019, 166, 1.	1.5	14
41	RNA-Seq and differential gene expression analysis in Temora stylifera copepod females with contrasting non-feeding nauplii survival rates: an environmental transcriptomics study. BMC Genomics, 2020, 21, 693.	2.8	14
42	Glutathione S-Transferases in Marine Copepods. Journal of Marine Science and Engineering, 2021, 9, 1025.	2.6	8
43	First Report of OvoA Gene in Marine Arthropods: A New Candidate Stress Biomarker in Copepods. Marine Drugs, 2021, 19, 647.	4.6	7
44	Historical control data in ecotoxicology: Eight years of tests with the copepod Acartia tonsa. Environmental Pollution, 2021, 284, 117468.	7.5	5
45	From Phenotypes to Genotypes and Back: Toward an Integrated Evaluation of Biodiversity in Calanoid Copepods. Frontiers in Marine Science, 2022, 9, .	2.5	4
46	Implementation in lipid extraction and analysis from phytoplankton: Skeletonema marinoi as case study. Marine Chemistry, 2021, 232, 103964.	2.3	3