James J Pierson

List of Publications by Year
in descending order

45 papers	1,401 citations	279798 23 h-index	345221 36 g-index
52 all docs	52 docs citations	52 times ranked	1550 citing authors

#	Article	IF	Citations
1	The North Atlantic Ocean as habitat for Calanus finmarchicus: Environmental factors and life history traits. Progress in Oceanography, 2014, 129, 244-284.	3.2	163
2	Interactive Effects of Hypoxia and Temperature on Coastal Pelagic Zooplankton and Fish. Frontiers in Marine Science, 2019, 6, .	2.5	114
3	DNA barcodes for species identification of euphausiids (Euphausiacea, Crustacea). Journal of Plankton Research, 2007, 29, 483-493.	1.8	81
4	Mixotrophy in Heterocapsa rotundata: A mechanism for dominating the winter phytoplankton. Limnology and Oceanography, 2017, 62, 836-845.	3.1	73
5	Copepod grazing during spring blooms: Does Calanus pacificus avoid harmful diatoms?. Progress in Oceanography, 2005, 67, 384-405.	3.2	57
6	Reproduction of Pseudocalanus newmani (Copepoda: Calanoida) is deleteriously affected by diatom blooms â€“ A field study. Progress in Oceanography, 2005, 67, 332-348.	3.2	57
7	Relationship between environmental conditions and zooplankton community structure during summer hypoxia in the northern Gulf of Mexico. Journal of Plankton Research, 2012, 34, 602-613.	1.8	55
8	Impacts of Hypoxia on Zooplankton Spatial Distributions in the Northern Gulf of Mexico. Estuaries and Coasts, 2012, 35, 1261-1269.	2.2	51
9	Macondoâ€1 well oilâ€derived polycyclic aromatic hydrocarbons in mesozooplankton from the northern Gulf of Mexico. Geophysical Research Letters, 2012, 39, .	4.0	47
10	Reproductive success of Calanus pacificus during diatom blooms in Dabob Bay, Washington. Progress in Oceanography, 2005, 67, 314-331.	3.2	43
11	Modelling the timing and duration of dormancy in populations of Calanus finmarchicus from the Northwest Atlantic shelf. Journal of Plankton Research, 2012, 34, 36-54.	1.8	42
12	Copepods and hypoxia in Chesapeake Bay: abundance, vertical position and non-predatory mortality. Journal of Plankton Research, 2013, 35, 1027-1034.	1.8	41
13	Winter-spring phytoplankton blooms in Dabob Bay, Washington. Progress in Oceanography, 2005, 67, 286-313.	3.2	38
14	Quantifying changes in the vertical distribution of mesozooplankton in response to hypoxic bottom waters. Journal of Experimental Marine Biology and Ecology, 2009, 381, S74-S79.	1.5	37
15	Copepod grazing during spring blooms: Can Pseudocalanus newmani induce trophic cascades?. Progress in Oceanography, 2005, 67, 406-421.	3.2	36
16	A comparison of the mesozooplankton response to hypoxia in Chesapeake Bay and the northern Gulf of Mexico using the biomass size spectrum. Journal of Experimental Marine Biology and Ecology, 2009, 381, S65-S73.	1.5	35
17	The balance between microzooplankton grazing and phytoplankton growth in a highly productive estuarine fjord. Progress in Oceanography, 2005, 67, 366-383.	3.2	33
18	Diatomâ€produced allelochemicals trigger trophic cascades in the planktonic food web. Limnology and Oceanography, 2018, 63, 1093-1108.	3.1	33

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19	Copepod foraging and predation risk within the surface layer during night-time feeding forays. Journal of Plankton Research, 2005, 27, 987-1001.	1.8	32
20	The vertical distribution and diel variability of mesozooplankton biomass, abundance and size in response to hypoxia in the northern Gulf of Mexico USA. Journal of Plankton Research, 2010, 32, 1185-1202.	1.8	29
21	An experimental approach to estimate egg production and development rate of the calanoid copepod Eurytemora affinis in Chesapeake Bay, USA. Journal of Experimental Marine Biology and Ecology, 2012, 416-417, 72-83.	1.5	29
22	The impact of increasing temperatures on dormancy duration in Calanus finmarchicus. Journal of Plankton Research, 2013, 35, 504-512.	1.8	28
23	The Effect of Dissolved Polyunsaturated Aldehydes on Microzooplankton Growth Rates in the Chesapeake Bay and Atlantic Coastal Waters. Marine Drugs, 2015, 13, 2834-2856.	4.6	27
24	Predicting the Effects of Coastal Hypoxia on Vital Rates of the Planktonic Copepod Acartia tonsa Dana. PLoS ONE, 2013, 8, e63987.	2.5	25
25	Predation on protozoa: its importance to zooplankton revisited. Journal of Plankton Research, 2019, 41, 367-373.	1.8	24
26	Top-down control by micro- and mesozooplankton on winter dinoflagellate blooms of Heterocapsa rotundata. Aquatic Microbial Ecology, 2015, 76, 15-25.	1.8	23
27	Vertical distribution and abundance of Calanus pacificus and Pseudocalanus newmani in relation to chlorophyll a concentrations in Dabob Bay, Washington. Progress in Oceanography, 2005, 67, 349-365.	3.2	17
28	Reproductive isolation and morphological divergence between cryptic lineages of the copepod Acartia tonsa in Chesapeake Bay. Marine Ecology - Progress Series, 2018, 597, 99-113.	1.9	17
29	Temperature Impacts on Eurytemora carolleeae Size and Vital Rates in the Upper Chesapeake Bay in Winter. Estuaries and Coasts, 2016, 39, 1122-1132.	2.2	14
30	Synergistic effects of seasonal deoxygenation and temperature truncate copepod vertical migration and distribution. Marine Ecology - Progress Series, 2017, 575, 57-68.	1.9	12
31	Long-Term Seasonal Trends in the Prey Community of Delta Smelt (Hypomesus transpacificus) Within the Sacramento-San Joaquin Delta, California. Estuaries and Coasts, 2016, 39, 1526-1536.	2.2	10
32	Water temperature during winter may control striped bass recruitment during spring by affecting the development time of copepod nauplii. ICES Journal of Marine Science, 2020, 77, 300-314.	2.5	10
33	Fewer Copepods, Fewer Anchovies, and More Jellyfish: How Does Hypoxia Impact the Chesapeake Bay Zooplankton Community?. Diversity, 2020, 12, 35.	1.7	10
34	Composition, Abundance, and Life History of Mysids (Crustacea: Mysida) in the Coastal Lagoons of MD, USA. Estuaries and Coasts, 2017, 40, 224-234.	2.2	9
35	Trapping migrating zooplankton. Limnology and Oceanography: Methods, 2009, 7, 334-346.	2.0	8
36	The lost generation of Calanus pacificus: Is the diatom effect responsible?. Limnology and Oceanography, 2007, 52, 2089-2098.	3.1	7

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37	Fish Diet Shifts Associated with the Northern Gulf of Mexico Hypoxic Zone. Estuaries and Coasts, 2019, 42, 2170-2183.	2.2	7
38	Foray foraging behavior: seasonally variable, food-driven migratory behavior in two calanoid copepod species. Marine Ecology - Progress Series, 2013, 475, 49-64.	1.9	5
39	Physiological Responses of the Copepods Acartia tonsa and Eurytemora carolleeae to Changes in the Nitrogen:Phosphorus Quality of Their Food. Nitrogen, 2021, 2, 62-85.	1.3	4
40	A note on the survival and feeding of copepod nauplii (Eurytemora carolleeae) on the dinoflagellateHeterocapsa rotundata. Journal of Plankton Research, 0, , fbv090.	1.8	3
41	Elevated temperature and low pH affect the development, reproduction, and feeding preference of the tropical cyclopoid copepod Oithona rigida. International Journal of Environmental Studies, 2023, 80, 1704-1720.	1.6	3
42	Factors Controlling Calanoid Copepod Biomass and Distribution in the Upper San Francisco Estuary and Implications for Managing the Imperiled Delta Smelt (Hypomesus transpacificus). Environmental Management, 2020, 65, 587-601.	2.7	2
43	Biogeography of key mesozooplankton species in the North Atlantic and egg production of <i>Calanus finmarchicus</i>. Earth System Science Data, 2015, 7, 223-230.	9.9	1
44	Copepod habitat suitability estimates vary among oxygen metrics in Chesapeake Bay. ICES Journal of Marine Science, 2022, 79, 855-867.	2.5	1
45	Marine Plankton Communities. , 2019, , 574-581.		0