David M Fields

List of Publications by Year
in descending order

31 papers	911 citations	567144 15 h-index	477173 29 g-index
31 all docs	31 docs citations	31 times ranked	1193 citing authors

#	Article	IF	Citations
1	Microplastic fiber uptake, ingestion, and egestion rates in the blue mussel (Mytilus edulis). Marine Pollution Bulletin, 2018, 137, 638-645.	2.3	211
2	The escape behavior of marine copepods in response to a quantifiable fluid mechanical disturbance. Journal of Plankton Research, 1997, 19, 1289-1304.	0.8	153
3	Physical constraints of chemoreception in foraging copepods. Limnology and Oceanography, 1999, 44, 166-177.	1.6	56
4	Early life stages of the Arctic copepod Calanus glacialis are unaffected by increased seawater pCO2. ICES Journal of Marine Science, 2017, 74, 996-1004.	1.2	55
5	Regulation of gene expression is associated with tolerance of the Arctic copepod Calanus glacialis to <scp>CO</scp>₂â€acidified sea water. Ecology and Evolution, 2017, 7, 7145-7160.	0.8	53
6	Accumulation and effects of microplastic fibers in American lobster larvae (Homarus americanus). Marine Pollution Bulletin, 2020, 157, 111280.	2.3	36
7	End of the century CO2 concentrations do not have a negative effect on vital rates of Calanus finmarchicus, an ecologically critical planktonic species in North Atlantic ecosystems. ICES Journal of Marine Science, 2016, 73, 937-950.	1.2	34
8	Selective feeding of Arctodiaptomus salinus (Copepoda, Calanoida) on co-occurring sibling rotifer species. Freshwater Biology, 2004, 49, 1053-1061.	1.2	33
9	Linking rising pCO2 and temperature to the larval development and physiology of the American lobster (Homarus americanus). ICES Journal of Marine Science, 2017, 74, 1210-1219.	1.2	33
10	The effects of fluid motion on toxicant sensitivity of the rotifer Brachionus calyciflorus. Aquatic Toxicology, 2001, 52, 117-131.	1.9	20
11	Orientation affects the sensitivity of Acartia tonsa to fluid mechanical signals. Marine Biology, 2010, 157, 505-514.	0.7	18
12	Airgun blasts used in marine seismic surveys have limited effects on mortality, and no sublethal effects on behaviour or gene expression, in the copepod Calanus finmarchicus. ICES Journal of Marine Science, 2019, 76, 2033-2044.	1.2	18
13	The three-dimensional prey field of the northern krill, Meganyctiphanes norvegica, and the escape responses of their copepod prey. Marine Biology, 2010, 157, 1251-1258.	0.7	17
14	The regeneration of highly bioavailable iron by meso- and microzooplankton. Limnology and Oceanography, 2014, 59, 1399-1409.	1.6	16
15	Light Primes the Escape Response of the Calanoid Copepod, Calanus finmarchicus. PLoS ONE, 2012, 7, e39594.	1.1	15
16	The effects of hydrogen peroxide on mortality, escape response, and oxygen consumption of Calanus spp.. Facets, 2019, 4, 626-637.	1.1	15
17	The Atlantic salmon (Salmo salar) antimicrobial peptide cathelicidin-2 is a molecular host-associated cue for the salmon louse (Lepeophtheirus salmonis). Scientific Reports, 2018, 8, 13738.	1.6	13
18	Coccolith dissolution within copepod guts affects fecal pellet density and sinking rate. Scientific Reports, 2018, 8, 9758.	1.6	13

#	Article	IF	Citations
19	Fine-scale observations of the predatory behaviour of the carnivorous copepod Paraeuchaeta norvegica and the escape responses of their ichthyoplankton prey, Atlantic cod (Gadus morhua). Marine Biology, 2011, 158, 2653-2660.	0.7	12
20	American lobster postlarvae alter gene regulation in response to ocean warming and acidification. Ecology and Evolution, 2021, 11, 806-819.	0.8	12
21	UV radiation changes algal stoichiometry but does not have cascading effects on a marine food chain. Journal of Plankton Research, 0, , fbv082.	0.8	11
22	The planktonic stages of the salmon louse (Lepeophtheirus salmonis) are tolerant of end-of-century pCO₂ concentrations. PeerJ, 2019, 7, e7810.	0.9	11
23	Characteristics of the high frequency escape reactions ofOithona SP.. Marine and Freshwater Behaviour and Physiology, 2000, 34, 21-35.	0.4	10
24	Sub-lethal exposure to ultraviolet radiation reduces prey consumption by Atlantic cod larvae (Gadus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	10
25	Silencing of ionotropic receptor 25a decreases chemosensory activity in the salmon louse Lepeophtheirus salmonis during the infective stage. Gene, 2019, 697, 35-39.	1.0	9
26	Grazing Rates of Calanus finmarchicus on Thalassiosira weissflogii Cultured under Different Levels of Ultraviolet Radiation. PLoS ONE, 2011, 6, e26333.	1.1	9
27	Gene expression and epigenetic responses of the marine Cladoceran, Evadne nordmanni, and the copepod, Acartia clausi, to elevated CO₂. Ecology and Evolution, 2021, 11, 16776-16785.	0.8	6
28	Rapid firing rates from mechanosensory neurons in copepod antennules. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2004, 190, 877-82.	0.7	5
29	The response of the copepod Acartia tonsa to the hydrodynamic cues of small-scale, dissipative eddies in turbulence. Journal of Experimental Biology, 2021, 224, .	0.8	3
30	The effect of hydrostatic pressure on grazing in three calanoid copepods. Journal of Plankton Research, 2016, 38, 131-138.	0.8	2
31	Copepod interaction with smallâ€scale, dissipative eddies in turbulence: Comparison among three marine species. Limnology and Oceanography, 2022, 67, 1820-1835.	1.6	2