Cedric Leo Meunier

List of Publications by Year
in descending order

37 papers	969 citations	623734 14 h-index	454955 30 g-index
38 all docs	38 docs citations	38 times ranked	1401 citing authors

#	Article	IF	Citations
1	Goldman revisited: Fasterâ€growing phytoplankton has lower N : P and lower stoichiometric flexibility. Limnology and Oceanography, 2013, 58, 2076-2088.	3.1	136
2	The role of ciliates, heterotrophic dinoflagellates and copepods in structuring spring plankton communities at Helgoland Roads, North Sea. Marine Biology, 2011, 158, 1551-1580.	1.5	100
3	Zooplankton eat what they need: copepod selective feeding and potential consequences for marine systems. Oikos, 2016, 125, 50-58.	2.7	96
4	Impact of nitrogen deposition on forest and lake food webs in nitrogenâ€limited environments. Global Change Biology, 2016, 22, 164-179.	9.5	93
5	Temperature driven changes in the diet preference of omnivorous copepods: no more meat when it's hot?. Ecology Letters, 2016, 19, 45-53.	6.4	81
6	From Elements to Function: Toward Unifying Ecological Stoichiometry and Trait-Based Ecology. Frontiers in Environmental Science, 2017, 5, .	3.3	67
7	A New Approach to Homeostatic Regulation: Towards a Unified View of Physiological and Ecological Concepts. PLoS ONE, 2014, 9, e107737.	2.5	53
8	Intraspecific selectivity, compensatory feeding and flexible homeostasis in the phagotrophic flagellate Oxyrrhis marina: three ways to handle food quality fluctuations. Hydrobiologia, 2012, 680, 53-62.	2.0	35
9	Rapid evolution of a consumer stoichiometric trait destabilizes consumerâ€“producer dynamics. Oikos, 2015, 124, 960-969.	2.7	29
10	Dynamic stoichiometric response to food quality fluctuations in the heterotrophic dinoflagellate Oxyrrhis marina. Marine Biology, 2012, 159, 2241-2248.	1.5	23
11	Impact of swimming behaviour and nutrient limitation on predatorâ€“prey interactions in pelagic microbial food webs. Journal of Experimental Marine Biology and Ecology, 2013, 446, 29-35.	1.5	19
12	Acclimation and adaptation of the coastal calanoid copepod Acartia tonsa to ocean acidification: a long-term laboratory investigation. Marine Ecology - Progress Series, 2019, 619, 35-51.	1.9	18
13	Withstanding multiple stressors: ephyrae of the moon jellyfish (Aurelia aurita, Scyphozoa) in a high-temperature, high-CO2 and low-oxygen environment. Marine Biology, 2016, 163, 1.	1.5	17
14	Environmentally induced functional shifts in phytoplankton and their potential consequences for ecosystem functioning. Global Change Biology, 2022, 28, 2804-2819.	9.5	15
15	A systematic study of zooplankton-based indices of marine ecological change and water quality: Application to the European marine strategy framework Directive (MSFD). Ecological Indicators, 2022, 135, 108587.	6.3	15
16	Structural characterization of hemoglobins from Monilifera and Frenulata tubeworms (Siboglinids): First discovery of giant hexagonal-bilayer hemoglobin in the former â€œPogonophoraâ€•group. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 155, 41-48.	1.8	14
17	Direct and indirect effects of near-future pCO2 levels on zooplankton dynamics. Marine and Freshwater Research, 2017, 68, 373.	1.3	14
18	An Operational Framework for the Advancement of a Molecule-to-Biosphere Stoichiometry Theory. Frontiers in Marine Science, 2017, 4, .	2.5	14

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19	Winter river discharge may affect summer estuarine jellyfish blooms. Marine Ecology - Progress Series, 2018, 591, 253-265.	1.9	14
20	Allochthonous carbon is a major driver of the microbial food web â€“ A mesocosm study simulating elevated terrestrial matter runoff. Marine Environmental Research, 2017, 129, 236-244.	2.5	13
21	Bioenergetics of the copepod Temora longicornis under different nutrient regimes. Journal of Plankton Research, 2018, 40, 420-435.	1.8	12
22	The craving for phosphorus in heterotrophic dinoflagellates and its potential implications for biogeochemical cycles. Limnology and Oceanography, 2018, 63, 1774-1784.	3.1	11
23	Nutrient optimization of tree growth alters structure and function of boreal soil food webs. Forest Ecology and Management, 2018, 428, 46-56.	3.2	11
24	To share or not to share? Phytoplankton species coexistence puzzle in a competition model incorporating multiple resource-limitation and synthesizing unit concepts. Ecological Modelling, 2018, 383, 150-159.	2.5	11
25	Metabarcoding analysis suggests that flexible food web interactions in the eukaryotic plankton community are more common than specific predatorâ€“prey relationships at Helgoland Roads, North Sea. ICES Journal of Marine Science, 0, , .	2.5	10
26	Does prey elemental stoichiometry influence copepod movement over ontogeny?. Limnology and Oceanography, 2019, 64, 2467-2477.	3.1	8
27	You are not always what you eatâ€”Fatty acid bioconversion and lipid homeostasis in the larvae of the sand mason worm Lanice conchilega. PLoS ONE, 2019, 14, e0218015.	2.5	8
28	An integrated multiple driver mesocosm experiment reveals the effect of global change on planktonic food web structure. Communications Biology, 2022, 5, 179.	4.4	8
29	Temperatureâ€driven changes in the diet preference of omnivorous copepods: no more meat when it's hot? AÂresponse to Winder et al.. Ecology Letters, 2016, 19, 1386-1388.	6.4	6
30	Environmental impacts on single-cell variation within a ubiquitous diatom: The role of growth rate. PLoS ONE, 2021, 16, e0251213.	2.5	6
31	Maturation of the digestive system of Downs herring larvae (Clupea harengus, Linnaeus, 1758): identification of critical periods through ontogeny. Marine Biology, 2021, 168, 1.	1.5	4
32	A matter of time and proportion: the availability of phosphorus-rich phytoplankton influences growth and behavior of copepod nauplii. Journal of Plankton Research, 2020, 42, 530-538.	1.8	2
33	Leveraging differences in multiple prey traits allows selective copepods to meet their threshold elemental ratios. Limnology and Oceanography, 2021, 66, 2914-2922.	3.1	2
34	Effects of low-frequency noise and temperature on copepod and amphipod performance. Proceedings of Meetings on Acoustics, 2019, , .	0.3	2
35	Toward Improved Model Capacities for Assessment of Climate Impacts on Coastal Bentho-Pelagic Food Webs and Ecosystem Services. Frontiers in Marine Science, 2021, 8, .	2.5	1
36	Biology of Salpa thompsoni: editorial comment on the highlight article by LÃ¼skow et al. (2020). Marine Biology, 2020, 167, 1.	1.5	0

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37	To Regulate or Not to Regulate: Assimilation of Dietary Fatty Acids in the Temperate Copepod Temora longicornis. Frontiers in Marine Science, 2022, 9, .	2.5	0