Romain Lavaud

List of Publications by Year
in descending order

23 papers	427 citations	759055 12 h-index	752573 20 g-index
23 all docs	23 docs citations	23 times ranked	582 citing authors

#	Article	IF	Citations
1	Modeling structural mechanics of oyster reef self-organization including environmental constraints and community interactions. Ecological Modelling, 2021, 440, 109389.	1.2	10
2	The role of Dynamic Energy Budgets in conservation physiology. , 2021, 9, coab083.		9
3	Dynamic Energy Budget modelling to predict eastern oyster growth, reproduction, and mortality under river management and climate change scenarios. Estuarine, Coastal and Shelf Science, 2021, 251, 107188.	0.9	16
4	Effects of the toxic dinoflagellate Alexandrium catenella on the behaviour and physiology of the blue mussel Mytilus edulis. Harmful Algae, 2021, 108, 102097.	2.2	4
5	Modelling bivalve culture - Eutrophication interactions in shallow coastal ecosystems. Marine Pollution Bulletin, 2020, 157, 111282.	2.3	11
6	Embracing multimodal optimization to enhance Dynamic Energy Budget parameterization. Ecological Modelling, 2020, 431, 109139.	1.2	4
7	Modeling the Growth of Sugar Kelp (Saccharina latissima) in Aquaculture Systems using Dynamic Energy Budget Theory. Ecological Modelling, 2020, 430, 109151.	1.2	20
8	A Dynamic Energy Budget model for the macroalga Ulva lactuca. Ecological Modelling, 2020, 418, 108922.	1.2	22
9	Modeling the impact of hypoxia on the energy budget of Atlantic cod in two populations of the Gulf of Saint-Lawrence, Canada. Journal of Sea Research, 2019, 143, 243-253.	0.6	9
10	New insights into the reproductive cycle of two Great Scallop populations in Brittany (France) using a DEB modelling approach. Journal of Sea Research, 2019, 143, 207-221.	0.6	4
11	Reconstructing physiological history from growth, a method to invert DEB models. Journal of Sea Research, 2019, 143, 183-192.	0.6	4
12	What can the shell tell about the scallop? Using growth trajectories along latitudinal and bathymetric gradients to reconstruct physiological history with DEB theory. Journal of Sea Research, 2019, 143, 193-206.	0.6	2
13	Ocean acidification and molluscan shell taphonomy: Can elevated seawater pCO2 influence taphonomy in a naticid predator–prey system?. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 507, 145-154.	1.0	10
14	Combined effects of temperature and salinity on the physiology of two geographically-distant eastern oyster populations. Journal of Experimental Marine Biology and Ecology, 2018, 506, 82-90.	0.7	42
15	New insights into the seasonal feeding ecology of Pecten maximus using pigments, fatty acids and sterols analyses. Marine Ecology - Progress Series, 2018, 590, 109-129.	0.9	13
16	Integrating the effects of salinity on the physiology of the eastern oyster, Crassostrea virginica, in the northern Gulf of Mexico through a Dynamic Energy Budget model. Ecological Modelling, 2017, 363, 221-233.	1.2	42
17	A coupled biophysical model for the distribution of the great scallop Pecten maximus in the English Channel. Journal of Marine Systems, 2017, 167, 55-67.	0.9	16
18	Deciphering the molecular adaptation of the king scallop (Pecten maximus) to heat stress using transcriptomics and proteomics. BMC Genomics, 2015, 16, 988.	1.2	41

#	Article	IF	Citations
19	Deep sequencing of the mantle transcriptome of the great scallop Pecten maximus. Marine Genomics, 2014, 15, 3-4.	0.4	39
20	Proteomic-based comparison between populations of the Great Scallop, Pecten maximus. Journal of Proteomics, 2014, 105, 164-173.	1.2	26
21	Feeding and energetics of the great scallop, Pecten maximus, through a DEB model. Journal of Sea Research, 2014, 94, 5-18.	0.6	25
22	Senilia senilis (Linnaeus, 1758), a biogenic archive of environmental conditions on the Banc d'Arguin (Mauritania). Journal of Sea Research, 2013, 76, 61-72.	0.6	25
23	Biological data extraction from imagery â€" How far can we go? A case study from the Mid-Atlantic Ridge. Marine Environmental Research, 2012, 82, 15-27.	1.1	33