

# Romain Lavaud

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

427  
citations

758635

12  
h-index

752256

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating the effects of salinity on the physiology of the eastern oyster, <i>Crassostrea virginica</i> , in the northern Gulf of Mexico through a Dynamic Energy Budget model. <i>Ecological Modelling</i> , 2017, 363, 221-233.	1.2	42
2	Combined effects of temperature and salinity on the physiology of two geographically-distant eastern oyster populations. <i>Journal of Experimental Marine Biology and Ecology</i> , 2018, 506, 82-90.	0.7	42
3	Deciphering the molecular adaptation of the king scallop ( <i>Pecten maximus</i> ) to heat stress using transcriptomics and proteomics. <i>BMC Genomics</i> , 2015, 16, 988.	1.2	41
4	Deep sequencing of the mantle transcriptome of the great scallop <i>Pecten maximus</i> . <i>Marine Genomics</i> , 2014, 15, 3-4.	0.4	39
5	Biological data extraction from imagery “How far can we go? A case study from the Mid-Atlantic Ridge. <i>Marine Environmental Research</i> , 2012, 82, 15-27.	1.1	33
6	Proteomic-based comparison between populations of the Great Scallop, <i>Pecten maximus</i> . <i>Journal of Proteomics</i> , 2014, 105, 164-173.	1.2	26
7	<i>Senilia senilis</i> (Linnaeus, 1758), a biogenic archive of environmental conditions on the Banc d'Arguin (Mauritania). <i>Journal of Sea Research</i> , 2013, 76, 61-72.	0.6	25
8	Feeding and energetics of the great scallop, <i>Pecten maximus</i> , through a DEB model. <i>Journal of Sea Research</i> , 2014, 94, 5-18.	0.6	25
9	A Dynamic Energy Budget model for the macroalga <i>Ulva lactuca</i> . <i>Ecological Modelling</i> , 2020, 418, 108922.	1.2	22
10	Modeling the Growth of Sugar Kelp ( <i>Saccharina latissima</i> ) in Aquaculture Systems using Dynamic Energy Budget Theory. <i>Ecological Modelling</i> , 2020, 430, 109151.	1.2	20
11	A coupled biophysical model for the distribution of the great scallop <i>Pecten maximus</i> in the English Channel. <i>Journal of Marine Systems</i> , 2017, 167, 55-67.	0.9	16
12	Dynamic Energy Budget modelling to predict eastern oyster growth, reproduction, and mortality under river management and climate change scenarios. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 251, 107188.	0.9	16
13	New insights into the seasonal feeding ecology of <i>Pecten maximus</i> using pigments, fatty acids and sterols analyses. <i>Marine Ecology - Progress Series</i> , 2018, 590, 109-129.	0.9	13
14	Modelling bivalve culture - Eutrophication interactions in shallow coastal ecosystems. <i>Marine Pollution Bulletin</i> , 2020, 157, 111282.	2.3	11
15	Ocean acidification and molluscan shell taphonomy: Can elevated seawater pCO <sub>2</sub> influence taphonomy in a naticid predator-prey system?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 507, 145-154.	1.0	10
16	Modeling structural mechanics of oyster reef self-organization including environmental constraints and community interactions. <i>Ecological Modelling</i> , 2021, 440, 109389.	1.2	10
17	Modeling the impact of hypoxia on the energy budget of Atlantic cod in two populations of the Gulf of Saint-Lawrence, Canada. <i>Journal of Sea Research</i> , 2019, 143, 243-253.	0.6	9
18	The role of Dynamic Energy Budgets in conservation physiology. , 2021, 9, coab083.		9

#	ARTICLE	IF	CITATIONS
19	New insights into the reproductive cycle of two Great Scallop populations in Brittany (France) using a DEB modelling approach. <i>Journal of Sea Research</i> , 2019, 143, 207-221.	0.6	4
20	Reconstructing physiological history from growth, a method to invert DEB models. <i>Journal of Sea Research</i> , 2019, 143, 183-192.	0.6	4
21	Embracing multimodal optimization to enhance Dynamic Energy Budget parameterization. <i>Ecological Modelling</i> , 2020, 431, 109139.	1.2	4
22	Effects of the toxic dinoflagellate <i>Alexandrium catenella</i> on the behaviour and physiology of the blue mussel <i>Mytilus edulis</i> . <i>Harmful Algae</i> , 2021, 108, 102097.	2.2	4
23	What can the shell tell about the scallop? Using growth trajectories along latitudinal and bathymetric gradients to reconstruct physiological history with DEB theory. <i>Journal of Sea Research</i> , 2019, 143, 193-206.	0.6	2