

Laure Pecquerie

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,342
citations

430754

18
h-index

395590

33
g-index

33
all docs

33
docs citations

33
times ranked

1380
citing authors

#	ARTICLE	IF	CITATIONS
1	The "covariation method" for estimating the parameters of the standard Dynamic Energy Budget model I: Philosophy and approach. <i>Journal of Sea Research</i> , 2011, 66, 270-277.	0.6	160
2	The AmP project: Comparing species on the basis of dynamic energy budget parameters. <i>PLoS Computational Biology</i> , 2018, 14, e1006100.	1.5	135
3	From food-dependent statistics to metabolic parameters, a practical guide to the use of dynamic energy budget theory. <i>Biological Reviews</i> , 2008, 83, 533-552.	4.7	128
4	Modeling fish growth and reproduction in the context of the Dynamic Energy Budget theory to predict environmental impact on anchovy spawning duration. <i>Journal of Sea Research</i> , 2009, 62, 93-105.	0.6	124
5	Integrating dynamic energy budget (DEB) theory with traditional bioenergetic models. <i>Journal of Experimental Biology</i> , 2012, 215, 892-902.	0.8	117
6	Shedding Light on Fish Otolith Biomineralization Using a Bioenergetic Approach. <i>PLoS ONE</i> , 2011, 6, e27055.	1.1	66
7	The bijection from data to parameter space with the standard DEB model quantifies the supply "demand spectrum. <i>Journal of Theoretical Biology</i> , 2014, 354, 35-47.	0.8	61
8	The impact of metabolism on stable isotope dynamics: a theoretical framework. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 3455-3468.	1.8	58
9	Responses of European anchovy vital rates and population growth to environmental fluctuations: An individual-based modeling approach. <i>Ecological Modelling</i> , 2013, 250, 370-383.	1.2	47
10	Fitting multiple models to multiple data sets. <i>Journal of Sea Research</i> , 2019, 143, 48-56.	0.6	46
11	Reconstructing individual food and growth histories from biogenic carbonates. <i>Marine Ecology - Progress Series</i> , 2012, 447, 151-164.	0.9	44
12	Scenarios for acceleration in fish development and the role of metamorphosis. <i>Journal of Sea Research</i> , 2011, 66, 419-423.	0.6	42
13	Effects of hypoxia on metabolic functions in marine organisms: Observed patterns and modelling assumptions within the context of Dynamic Energy Budget (DEB) theory. <i>Journal of Sea Research</i> , 2019, 143, 231-242.	0.6	42
14	Complex small pelagic fish population patterns arising from individual behavioral responses to their environment. <i>Progress in Oceanography</i> , 2018, 164, 12-27.	1.5	35
15	Analyzing variations in life-history traits of Pacific salmon in the context of Dynamic Energy Budget (DEB) theory. <i>Journal of Sea Research</i> , 2011, 66, 424-433.	0.6	33
16	Quantification and representation of potential spatial interactions in the southern Benguela ecosystem. <i>African Journal of Marine Science</i> , 2004, 26, 141-159.	0.4	26
17	Distribution patterns of key fish species of the southern Benguela ecosystem: an approach combining fishery-dependent and fishery-independent data. <i>African Journal of Marine Science</i> , 2004, 26, 115-139.	0.4	25
18	Impact of environmental variability on <i>Pinctada margaritifera</i> life-history traits: A full life cycle deb modeling approach. <i>Ecological Modelling</i> , 2020, 423, 109006.	1.2	22

#	ARTICLE	IF	CITATIONS
19	Bayesian inference for bioenergetic models. <i>Ecology</i> , 2013, 94, 882-894.	1.5	21
20	Modeling reproductive traits of an invasive bivalve species under contrasting climate scenarios from 1960 to 2100. <i>Journal of Sea Research</i> , 2019, 143, 128-139.	0.6	19
21	Modelling paralytic shellfish toxins (PST) accumulation in <i>Crassostrea gigas</i> by using Dynamic Energy Budgets (DEB). <i>Journal of Sea Research</i> , 2019, 143, 152-164.	0.6	12
22	Stoichiometric Ecotoxicology for a Multisubstance World. <i>BioScience</i> , 2021, 71, 132-147.	2.2	12
23	Estimation of physical and physiological performances of blacklip pearl oyster larvae in view of DEB modeling and recruitment assessment. <i>Journal of Experimental Marine Biology and Ecology</i> , 2019, 512, 42-50.	0.7	11
24	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
25	Predicting the energy budget of the scallop <i>Argopecten purpuratus</i> in an oxygen-limited environment. <i>Journal of Sea Research</i> , 2019, 143, 254-261.	0.6	9
26	Contribution of a bioenergetics model to investigate the growth and survival of European seabass in the Bay of Biscay - English Channel area. <i>Ecological Modelling</i> , 2020, 423, 109007.	1.2	8
27	Larval supply of Peruvian scallop to the marine reserve of Lobos de Tierra Island: A modeling approach. <i>Journal of Sea Research</i> , 2019, 144, 142-155.	0.6	7
28	Dietary bioaccumulation of persistent organic pollutants in the common sole <i>Solea solea</i> in the context of global change. Part 2: Sensitivity of juvenile growth and contamination to toxicokinetic parameters uncertainty and environmental conditions variability in estuaries. <i>Ecological Modelling</i> , 2020, 431, 109196.	1.2	6
29	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
30	A Dynamic Energy Budget simulation approach to investigate the eco-physiological factors behind the two-stanza growth of yellowfin tuna (<i>Thunnus albacares</i>). <i>Ecological Modelling</i> , 2020, 437, 109297.	1.2	4
31	Integrating dynamic energy budget (DEB) theory with traditional bioenergetic models. <i>Journal of Experimental Biology</i> , 2012, 215, 1246-1246.	0.8	3
32	Is reproduction limiting growth?. <i>Physics of Life Reviews</i> , 2017, 20, 75-77.	1.5	3
33	Dietary bioaccumulation of persistent organic pollutants in the common sole <i>Solea solea</i> in the context of global change. Part 1: Revisiting parameterisation and calibration of a DEB model to consider inter-individual variability in experimental and natural conditions. <i>Ecological Modelling</i> , 2020, 433, 109224.	1.2	3