Fred Jean

List of Publications by Year
in descending order

46 papers	1,454 citations	361413 20 h-index	330143 37 g-index
47 all docs	47 docs citations	47 times ranked	1784 citing authors

#	Article	IF	Citations
1	Sizeâ€based survival of cultured Argopecten purpuratus (L, 1819) under severe hypoxia. Journal of the World Aquaculture Society, 2022, 53, 151-173.	2.4	7
2	Physiological and comparative proteomic analyzes reveal immune defense response of the king scallop Pecten maximus in presence of paralytic shellfish toxin (PST) from Alexandrium minutum. Harmful Algae, 2022, 115, 102231.	4.8	0
3	Revealing perturbation responses with limited observations of biological communities. Ecological Indicators, 2021, 128, 107840.	6.3	4
4	Linking individual and population patterns of rocky-shore mussels. PeerJ, 2021, 9, e12550.	2.0	3
5	Chronic and severe hypoxic conditions in Paracas Bay, Pisco, Peru: Consequences on scallop growth, reproduction, and survival. Aquaculture, 2019, 512, 734259.	3.5	17
6	Modelling paralytic shellfish toxins (PST) accumulation in Crassostrea gigas by using Dynamic Energy Budgets (DEB). Journal of Sea Research, 2019, 143, 152-164.	1.6	12
7	Reconstructing physiological history from growth, a method to invert DEB models. Journal of Sea Research, 2019, 143, 183-192.	1.6	4
8	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.	1.6	2
9	Sources of paralytic shellfish toxin accumulation variability in the Pacific oyster Crassostrea gigas. Toxicon, 2018, 144, 14-22.	1.6	18
10	Feeding behaviour and growth of the Peruvian scallop (Argopecten purpuratus) under daily cyclic hypoxia conditions. Journal of Sea Research, 2018, 131, 85-94.	1.6	17
11	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.	1.9	13
12	Individual-based simulation of the spatial and temporal dynamics of macroinvertebrate functional groups provides insights into benthic community assembly mechanisms. PeerJ, 2018, 6, e5038.	2.0	3
13	Building functional groups of marine benthic macroinvertebrates on the basis of general community assembly mechanisms. Journal of Sea Research, 2017, 121, 59-70.	1.6	10
14	Qualitative modelling of functional relationships in marine benthic communities. Ecological Modelling, 2017, 360, 300-312.	2.5	10
15	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.	2.1	16
16	Potential impacts of blooms of the toxic dinoflagellate Karenia brevis on the growth, survival and juvenile recruitment of the non-native green mussel Perna viridis in southeastern United States. Toxicon, 2016, 109, 94-102.	1.6	12
17	Effects of progressive hypoxia on oxygen uptake in juveniles of the Peruvian scallop, Argopecten purpuratus (Lamarck, 1819). Aquaculture, 2016, 451, 385-389.	3.5	22
18	Reproductive strategy of the invasive green mussel may result in increased competition with native fauna in the southeastern United States. Aquatic Invasions, 2016, 11, 411-423.	1.6	4

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19	Deciphering the molecular adaptation of the king scallop (Pecten maximus) to heat stress using transcriptomics and proteomics. BMC Genomics, 2015, 16, 988.	2.8	41
20	Uptake and elimination of brevetoxin in the invasive green mussel, Perna viridis, during natural Karenia brevis blooms in southwest Florida. Toxicon, 2015, 97, 46-52.	1.6	10
21	Sclerochronological records and daily microgrowth of the Peruvian scallop (Argopecten) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6 Sea Research, 2015, 99, 1-8.	1.6	17
22	Coupling experimental and field-based approaches to decipher carbon sources in the shell of the great scallop, Pecten maximus (L.). Geochimica Et Cosmochimica Acta, 2015, 168, 58-69.	3.9	16
23	Deep sequencing of the mantle transcriptome of the great scallop Pecten maximus. Marine Genomics, 2014, 15, 3-4.	1.1	39
24	Proteomic-based comparison between populations of the Great Scallop, Pecten maximus. Journal of Proteomics, 2014, 105, 164-173.	2.4	26
25	Feeding and energetics of the great scallop, Pecten maximus, through a DEB model. Journal of Sea Research, 2014, 94, 5-18.	1.6	25
26	A theoretical individual-based model of Brown Ring Disease in Manila clams, Venerupis philippinarum. Journal of Sea Research, 2014, 91, 15-34.	1.6	15
27	Handling Enhances the Development of Signs of Brown Ring Disease inRuditapes philippinarum. Journal of Shellfish Research, 2011, 30, 13-15.	0.9	5
28	Variability of the hemocyte parameters of Ruditapes philippinarum in the field during an annual cycle. Journal of Experimental Marine Biology and Ecology, 2009, 377, 1-11.	1.5	67
29	Diurnal heterogeneity in silicic acid fluxes in shallow coastal sites: Causes and implications. Estuarine, Coastal and Shelf Science, 2009, 82, 495-502.	2.1	13
30	A quantitative estimation of the energetic cost of brown ring disease in the Manila clam using Dynamic Energy Budget theory. Journal of Sea Research, 2009, 62, 114-123.	1.6	29
31	Effect of sediment grain-size on development of brown ring disease in the Manila clam Ruditapes philippinarum. Aquaculture, 2008, 278, 184-187.	3.5	12
32	Ecophysiological dynamic model of individual growth of Ruditapes philippinarum. Aquaculture, 2007, 266, 130-143.	3.5	35
33	Hemocyte characteristics in families of oysters, Crassostrea gigas, selected for differential survival during summer and reared in three sites. Aquaculture, 2007, 270, 276-288.	3.5	66
34	Benthic O2 distribution and dynamics in a Mediterranean lagoon (Thau, France): An in situ microelectrode study. Estuarine, Coastal and Shelf Science, 2007, 72, 393-405.	2.1	48
35	Biological control of trace metal and organometal benthic fluxes in a eutrophic lagoon (Thau) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	2.1	88
36	Spatial and temporal variability of benthic biogeochemical fluxes associated with macrophytic and macrofaunal distributions in the Thau lagoon (France). Estuarine, Coastal and Shelf Science, 2007, 72, 432-446.	2.1	49

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37	Grazing-induced Changes in Cell Wall Silicification in a Marine Diatom. Protist, 2007, 158, 21-28.	1.5	104
38	Impact of Brown Ring Disease on the energy budget of the Manila clam Ruditapes philippinarum. Journal of Experimental Marine Biology and Ecology, 2007, 349, 378-389.	1.5	50
39	Benthic community respiration in areas impacted by the invasive mollusk Crepidula fornicata. Marine Ecology - Progress Series, 2007, 347, 51-60.	1.9	21
40	Respiration, calcification, and excretion of the invasive slipper limpet, Crepidula fornicata L.: Implications for carbon, carbonate, and nitrogen fluxes in affected areas. Limnology and Oceanography, 2006, 51, 1996-2007.	3.1	42
41	Biodeposition by an Invasive Suspension Feeder Impacts the Biogeochemical Cycle of Si in a Coastal Ecosystem (Bay of Brest, France). Biogeochemistry, 2005, 75, 19-41.	3.5	55
42	Comparison of Zostera marina and maerl community metabolism. Aquatic Botany, 2005, 83, 161-174.	1.6	50
43	Shell of the Great ScallopPecten maximusas a high-frequency archive of paleoenvironmental changes. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	2.5	124
44	Direct evidence of a biologically active coastal silicate pump: Ecological implications. Limnology and Oceanography, 2002, 47, 1849-1854.	3.1	84
45	Long-term variation of the Bay of Brest ecosystem:benthic-pelagic coupling revisited. Marine Ecology - Progress Series, 2000, 200, 35-48.	1.9	130
46	Pelagic and benthic trophic chain coupling in a semi-enclosed coastal system, the Bay of Brest (France):a modelling approach. Marine Ecology - Progress Series, 1999, 189, 135-147.	1.9	18