

Fred Jean

List of Publications by Year in descending order

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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	Long-term variation of the Bay of Brest ecosystem:benthic-pelagic coupling revisited. <i>Marine Ecology - Progress Series</i> , 2000, 200, 35-48.	1.9	130
2	Shell of the Great Scallop <i>Pecten maximus</i> as a high-frequency archive of paleoenvironmental changes. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	124
3	Grazing-induced Changes in Cell Wall Silicification in a Marine Diatom. <i>Protist</i> , 2007, 158, 21-28.	1.5	104
4	Biological control of trace metal and organometal benthic fluxes in a eutrophic lagoon (Thau) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 622	2.1	88
5	Direct evidence of a biologically active coastal silicate pump: Ecological implications. <i>Limnology and Oceanography</i> , 2002, 47, 1849-1854.	3.1	84
6	Variability of the hemocyte parameters of <i>Ruditapes philippinarum</i> in the field during an annual cycle. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 377, 1-11.	1.5	67
7	Hemocyte characteristics in families of oysters, <i>Crassostrea gigas</i> , selected for differential survival during summer and reared in three sites. <i>Aquaculture</i> , 2007, 270, 276-288.	3.5	66
8	Biodeposition by an Invasive Suspension Feeder Impacts the Biogeochemical Cycle of Si in a Coastal Ecosystem (Bay of Brest, France). <i>Biogeochemistry</i> , 2005, 75, 19-41.	3.5	55
9	Comparison of <i>Zostera marina</i> and maerl community metabolism. <i>Aquatic Botany</i> , 2005, 83, 161-174.	1.6	50
10	Impact of Brown Ring Disease on the energy budget of the Manila clam <i>Ruditapes philippinarum</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 349, 378-389.	1.5	50
11	Spatial and temporal variability of benthic biogeochemical fluxes associated with macrophytic and macrofaunal distributions in the Thau lagoon (France). <i>Estuarine, Coastal and Shelf Science</i> , 2007, 72, 432-446.	2.1	49
12	Benthic O ₂ distribution and dynamics in a Mediterranean lagoon (Thau, France): An in situ microelectrode study. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 72, 393-405.	2.1	48
13	Respiration, calcification, and excretion of the invasive slipper limpet, <i>Crepidula fornicata</i> L.: Implications for carbon, carbonate, and nitrogen fluxes in affected areas. <i>Limnology and Oceanography</i> , 2006, 51, 1996-2007.	3.1	42
14	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.	2.8	41
15	Deep sequencing of the mantle transcriptome of the great scallop <i>Pecten maximus</i> . <i>Marine Genomics</i> , 2014, 15, 3-4.	1.1	39
16	Ecophysiological dynamic model of individual growth of <i>Ruditapes philippinarum</i> . <i>Aquaculture</i> , 2007, 266, 130-143.	3.5	35
17	A quantitative estimation of the energetic cost of brown ring disease in the Manila clam using Dynamic Energy Budget theory. <i>Journal of Sea Research</i> , 2009, 62, 114-123.	1.6	29
18	Proteomic-based comparison between populations of the Great Scallop, <i>Pecten maximus</i> . <i>Journal of Proteomics</i> , 2014, 105, 164-173.	2.4	26

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19	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.	1.6	25
20	Effects of progressive hypoxia on oxygen uptake in juveniles of the Peruvian scallop, <i>Argopecten purpuratus</i> (Lamarck, 1819). <i>Aquaculture</i> , 2016, 451, 385-389.	3.5	22
21	Benthic community respiration in areas impacted by the invasive mollusk <i>Crepidula fornicata</i> . <i>Marine Ecology - Progress Series</i> , 2007, 347, 51-60.	1.9	21
22	Sources of paralytic shellfish toxin accumulation variability in the Pacific oyster <i>Crassostrea gigas</i> . <i>Toxicon</i> , 2018, 144, 14-22.	1.6	18
23	Pelagic and benthic trophic chain coupling in a semi-enclosed coastal system, the Bay of Brest (France): a modelling approach. <i>Marine Ecology - Progress Series</i> , 1999, 189, 135-147.	1.9	18
24	Sclerochronological records and daily microgrowth of the Peruvian scallop (<i>Argopecten</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (p Sea Research, 2015, 99, 1-8.	1.6	17
25	Feeding behaviour and growth of the Peruvian scallop (<i>Argopecten purpuratus</i>) under daily cyclic hypoxia conditions. <i>Journal of Sea Research</i> , 2018, 131, 85-94.	1.6	17
26	Chronic and severe hypoxic conditions in Paracas Bay, Pisco, Peru: Consequences on scallop growth, reproduction, and survival. <i>Aquaculture</i> , 2019, 512, 734259.	3.5	17
27	Coupling experimental and field-based approaches to decipher carbon sources in the shell of the great scallop, <i>Pecten maximus</i> (L.). <i>Geochimica Et Cosmochimica Acta</i> , 2015, 168, 58-69.	3.9	16
28	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.	2.1	16
29	A theoretical individual-based model of Brown Ring Disease in Manila clams, <i>Venerupis philippinarum</i> . <i>Journal of Sea Research</i> , 2014, 91, 15-34.	1.6	15
30	Diurnal heterogeneity in silicic acid fluxes in shallow coastal sites: Causes and implications. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 82, 495-502.	2.1	13
31	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.	1.9	13
32	Effect of sediment grain-size on development of brown ring disease in the Manila clam <i>Ruditapes philippinarum</i> . <i>Aquaculture</i> , 2008, 278, 184-187.	3.5	12
33	Potential impacts of blooms of the toxic dinoflagellate <i>Karenia brevis</i> on the growth, survival and juvenile recruitment of the non-native green mussel <i>Perna viridis</i> in southeastern United States. <i>Toxicon</i> , 2016, 109, 94-102.	1.6	12
34	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.	1.6	12
35	Uptake and elimination of brevetoxin in the invasive green mussel, <i>Perna viridis</i> , during natural <i>Karenia brevis</i> blooms in southwest Florida. <i>Toxicon</i> , 2015, 97, 46-52.	1.6	10
36	Building functional groups of marine benthic macroinvertebrates on the basis of general community assembly mechanisms. <i>Journal of Sea Research</i> , 2017, 121, 59-70.	1.6	10

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37	Qualitative modelling of functional relationships in marine benthic communities. <i>Ecological Modelling</i> , 2017, 360, 300-312.	2.5	10
38	Size-based survival of cultured <i>Argopecten purpuratus</i> (L, 1819) under severe hypoxia. <i>Journal of the World Aquaculture Society</i> , 2022, 53, 151-173.	2.4	7
39	Handling Enhances the Development of Signs of Brown Ring Disease in <i>Ruditapes philippinarum</i> . <i>Journal of Shellfish Research</i> , 2011, 30, 13-15.	0.9	5
40	Reconstructing physiological history from growth, a method to invert DEB models. <i>Journal of Sea Research</i> , 2019, 143, 183-192.	1.6	4
41	Revealing perturbation responses with limited observations of biological communities. <i>Ecological Indicators</i> , 2021, 128, 107840.	6.3	4
42	Reproductive strategy of the invasive green mussel may result in increased competition with native fauna in the southeastern United States. <i>Aquatic Invasions</i> , 2016, 11, 411-423.	1.6	4
43	Individual-based simulation of the spatial and temporal dynamics of macroinvertebrate functional groups provides insights into benthic community assembly mechanisms. <i>PeerJ</i> , 2018, 6, e5038.	2.0	3
44	Linking individual and population patterns of rocky-shore mussels. <i>PeerJ</i> , 2021, 9, e12550.	2.0	3
45	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.	1.6	2
46	Physiological and comparative proteomic analyzes reveal immune defense response of the king scallop <i>Pecten maximus</i> in presence of paralytic shellfish toxin (PST) from <i>Alexandrium minutum</i> . <i>Harmful Algae</i> , 2022, 115, 102231.	4.8	0