

Laurent Chauvaud

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

3,435
citations

159525

30
h-index

149623

56
g-index

78
all docs

78
docs citations

78
times ranked

3992
citing authors

#	ARTICLE	IF	CITATIONS
1	Scallop shells as geochemical archives of phytoplankton-related ecological processes in a temperate coastal ecosystem. <i>Limnology and Oceanography</i> , 2022, 67, 187-202.	1.6	6
2	Insights into the behavioural responses of juvenile thornback ray <i>Raja clavata</i> to alternating and direct current magnetic fields. <i>Journal of Fish Biology</i> , 2022, 100, 645-659.	0.7	5
3	Ba/Ca profiles in shells of <i>Pecten maximus</i> – A proxy for specific primary producers rather than bulk phytoplankton. <i>Chemical Geology</i> , 2022, 593, 120743.	1.4	12
4	Can artificial magnetic fields alter the functional role of the blue mussel, <i>Mytilus edulis</i> ?. <i>Marine Biology</i> , 2022, 169, .	0.7	1
5	Using growth and geochemical composition of <i>Clathromorphum compactum</i> to track multiscale North Atlantic hydro-climate variability. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 562, 110097.	1.0	4
6	Sources, quality and transfers of organic matter in a highly-stratified sub-Arctic coastal system (Saint-Pierre-et-Miquelon, NW Atlantic). <i>Progress in Oceanography</i> , 2021, 190, 102483.	1.5	0
7	Food source diversity, trophic plasticity, and omnivory enhance the stability of a shallow benthic food web from a high-Arctic fjord exposed to freshwater inputs. <i>Limnology and Oceanography</i> , 2021, 66, S259.	1.6	21
8	Sound detection by the American lobster (<i>Homarus americanus</i>). <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	17
9	Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. <i>Biological Conservation</i> , 2021, 263, 109175.	1.9	96
10	Potential for acoustic masking due to shipping noise in the European lobster (<i>Homarus gammarus</i>). <i>Marine Pollution Bulletin</i> , 2021, 173, 112934.	2.3	8
11	Anthropogenic boat noise reduces feeding success in winter flounder larvae (<i>Pseudopleuronectes</i>)	0.784314	12
12	Spiny lobster sounds can be detectable over kilometres underwater. <i>Scientific Reports</i> , 2020, 10, 7943.	1.6	15
13	Does trace element composition of bivalve shells record ultra-high frequency environmental variations?. <i>Marine Environmental Research</i> , 2020, 158, 104943.	1.1	11
14	A current synthesis on the effects of electric and magnetic fields emitted by submarine power cables on invertebrates. <i>Marine Environmental Research</i> , 2020, 159, 104958.	1.1	23
15	Assessment of Ba/Ca in <i>Arctica islandica</i> shells as a proxy for phytoplankton dynamics in the Northwestern Atlantic Ocean. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 237, 106628.	0.9	14
16	Acoustic behaviour of male European lobsters (<i>Homarus gammarus</i>) during agonistic encounters. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	8
17	Green Edge ice camp campaigns: understanding the processes controlling the under-ice Arctic phytoplankton spring bloom. <i>Earth System Science Data</i> , 2020, 12, 151-176.	3.7	32
18	Contrasting shell growth strategies in two Mediterranean bivalves revealed by oxygen-isotope ratio geochemistry: The case of <i>Pecten jacobaeus</i> and <i>Glycymeris pilosa</i> . <i>Chemical Geology</i> , 2019, 526, 23-35.	1.4	18

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19	An inference procedure for behavioural studies combining numerical simulations, statistics and experimental results. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2019, 99, 1-7.	0.4	4
20	A new probabilistic approach to estimating marine gastropod densities from baited traps. <i>Marine Ecology</i> , 2018, 39, e12509.	0.4	4
21	Ligament, hinge, and shell cross-sections of the Atlantic surfclam (<i>Spisula solidissima</i>): Promising marine environmental archives in NE North America. <i>PLoS ONE</i> , 2018, 13, e0199212.	1.1	5
22	Marine soundscape shaped by fishing activity. <i>Royal Society Open Science</i> , 2017, 4, 160606.	1.1	20
23	Ancient <scp>DNA</scp> analysis identifies marine mollusc shells as new metagenomic archives of the past. <i>Molecular Ecology Resources</i> , 2017, 17, 835-853.	2.2	62
24	High-resolution nitrogen stable isotope sclerochronology of bivalve shell carbonate-bound organics. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 200, 55-66.	1.6	38
25	System-Based Assessmentsâ€”Improving the Confidence in the EIA Process. <i>Environments - MDPI</i> , 2017, 4, 95.	1.5	9
26	Influence of riverine input on the growth of <i>Glycymeris glycymeris</i> in the Bay of Brest, North-West France. <i>PLoS ONE</i> , 2017, 12, e0189782.	1.1	12
27	Short-Term Behavioural Responses of the Great Scallop <i>Pecten maximus</i> Exposed to the Toxic Alga <i>Alexandrium minutum</i> Measured by Accelerometry and Passive Acoustics. <i>PLoS ONE</i> , 2016, 11, e0160935.	1.1	13
28	Feet, heat and scallops: what is the cost of anthropogenic disturbance in bivalve aquaculture?. <i>Royal Society Open Science</i> , 2016, 3, 150679.	1.1	8
29	Human activities and climate variability drive fastâ€”paced change across the world's estuarineâ€”coastal ecosystems. <i>Global Change Biology</i> , 2016, 22, 513-529.	4.2	368
30	Genetic structure of a commercially exploited bivalve, the great scallop <i>Pecten maximus</i> , along the European coasts. <i>Conservation Genetics</i> , 2016, 17, 57-67.	0.8	30
31	Responses of Two Scleractinian Corals to Cobalt Pollution and Ocean Acidification. <i>PLoS ONE</i> , 2015, 10, e0122898.	1.1	41
32	Trophic connectivity between offshore upwelling and the inshore food web of Banc d'Arguin (Mauritania): New insights from isotopic analysis. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 165, 149-158.	0.9	20
33	Regional scale estimation of carbon fluxes from long-term monitoring of intertidal exposed rocky shore communities. <i>Journal of Marine Systems</i> , 2015, 149, 25-35.	0.9	1
34	The ormer (<i>Haliotis tuberculata</i>): A new, promising paleoclimatic tool. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 427, 32-40.	1.0	5
35	Coastal upwelling in Norway recorded in Great Scallop shells. <i>Limnology and Oceanography</i> , 2015, 60, 1265-1275.	1.6	12
36	A novel approach using the 15N tracer technique and benthic chambers to determine ammonium fluxes at the sedimentâ€”water interface and its application in a back-reef zone on Reunion Island (Indian Ocean). <i>Journal of Environmental Monitoring</i> , 2015, 17, 1077-1087.	0.0	0

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37	Comparative dynamics of pelagic and benthic micro-algae in a coastal ecosystem. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 133, 67-77.	0.9	18
38	Li/Ca enrichments in great scallop shells (<i>Pecten maximus</i>) and their relationship with phytoplankton blooms. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 373, 108-122.	1.0	41
39	CO2 generation by calcified invertebrates along rocky shores of Brittany, France. <i>Marine and Freshwater Research</i> , 2013, 64, 91.	0.7	14
40	Structural analysis and paleoenvironmental potential of dog cockle shells (<i>Glycymeris glycymeris</i>) in Brittany, northwest France. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 373, 123-132.	1.0	48
41	Trophic resources of the bivalve, <i>Venus verrucosa</i> , in the Chausey archipelago (Normandy, France). <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 393, 158-167.	0.5	27
42	Small actions, big costs: the behavioural energetics of a commercially important invertebrate. <i>Journal of the Royal Society Interface</i> , 2012, 9, 1486-1498.	1.5	34
43	Specific pathways for the incorporation of dissolved barium and molybdenum into the bivalve shell: An isotopic tracer approach in the juvenile Great Scallop (<i>Pecten maximus</i>). <i>Marine Environmental Research</i> , 2012, 78, 15-25.	1.1	21
44	Respiration and Calcification of <i>Crassostrea gigas</i> : Contribution of an Intertidal Invasive Species to Coastal Ecosystem CO2 Fluxes. <i>Estuaries and Coasts</i> , 2012, 35, 622-632.	1.0	30
45	Variation in Size and Growth of the Great Scallop <i>Pecten maximus</i> along a Latitudinal Gradient. <i>PLoS ONE</i> , 2012, 7, e37717.	1.1	59
46	Aerial and underwater carbon metabolism of a <i>Zostera noltii</i> seagrass bed in the Banc d'Arguin, Mauritania. <i>Aquatic Botany</i> , 2011, 95, 24-30.	0.8	38
47	Seasonal variations in ectotherm growth rates: Quantifying growth as an intermittent non steady state compensatory process. <i>Journal of Sea Research</i> , 2011, 65, 355-361.	0.6	8
48	What's Hiding Behind Ontogenetic $\delta^{13}C$ Variations in Mollusk Shells? New Insights from the Great Scallop (<i>Pecten maximus</i>). <i>Estuaries and Coasts</i> , 2011, 34, 211-220.	1.0	31
49	Experimental growth pattern calibration of Antarctic scallop shells (<i>Adamussium colbecki</i> , Smith) changes. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 393, 158-167.	0.7	21
50	Diurnal heterogeneity in silicic acid fluxes in shallow coastal sites: Causes and implications. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 82, 495-502.	0.9	13
51	No limit? The multiphasic uptake of silicic acid by benthic diatoms. <i>Limnology and Oceanography</i> , 2009, 54, 571-576.	1.6	32
52	Barium and molybdenum records in bivalve shells: Geochemical proxies for phytoplankton dynamics in coastal environments?. <i>Limnology and Oceanography</i> , 2009, 54, 1002-1014.	1.6	97
53	Diel variation of benthic respiration in a coral reef sediment (Reunion Island, Indian Ocean). <i>Estuarine, Coastal and Shelf Science</i> , 2008, 76, 369-377.	0.9	29
54	Growth of <i>Argopecten purpuratus</i> (Mollusca: Bivalvia) on a natural bank in Northern Chile: sclerochronological record and environmental controls. <i>Aquatic Living Resources</i> , 2008, 21, 45-55.	0.5	20

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55	Reconstruction of seasonal temperature variability in the tropical Pacific Ocean from the shell of the scallop, <i>Comptopallium radula</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 918-928.	1.6	27
56	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.	0.9	49
57	Primary production and spatial distribution of subtidal microphytobenthos in a temperate coastal system, the Bay of Brest, France. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 74, 367-380.	0.9	44
58	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.	1.6	42
59	Benthic response to ammonium pulses in a tropical lagoon: implications for coastal environmental processes. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 316, 231-241.	0.7	28
60	Strong kinetic effects on Sr/Ca ratios in the calcitic bivalve <i>Pecten maximus</i> . <i>Geology</i> , 2005, 33, 965.	2.0	126
61	Determination of metal and organometal trophic bioaccumulation in the benthic macrofauna of the Adour estuary coastal zone (SW France, Bay of Biscay). <i>Journal of Environmental Monitoring</i> , 2005, 7, 693.	2.1	26
62	Comparison of <i>Zostera marina</i> and maerl community metabolism. <i>Aquatic Botany</i> , 2005, 83, 161-174.	0.8	50
63	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.	1.0	124
64	Nickel and vanadium contamination of benthic invertebrates following the "Erika" wreck. <i>Aquatic Living Resources</i> , 2004, 17, 273-280.	0.5	38
65	$\delta^{13}\text{C}$ variation in scallop shells: Increasing metabolic carbon contribution with body size?. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 3509-3519.	1.6	175
66	Decarbonation and preservation method for the analysis of organic C and N contents and stable isotope ratios of low-carbonated suspended particulate material. <i>Analytica Chimica Acta</i> , 2003, 491, 125-133.	2.6	233
67	Clams as CO_2 generators: The <i>Potamocorbula amurensis</i> example in San Francisco Bay. <i>Limnology and Oceanography</i> , 2003, 48, 2086-2092.	1.6	81
68	Direct evidence of a biologically active coastal silicate pump: Ecological implications. <i>Limnology and Oceanography</i> , 2002, 47, 1849-1854.	1.6	84
69	Differential $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ signatures among scallop tissues: implications for ecology and physiology. <i>Journal of Experimental Marine Biology and Ecology</i> , 2002, 275, 47-61.	0.7	208
70	Marine eutrophication and benthos: the need for new approaches and concepts. <i>Global Change Biology</i> , 2002, 8, 813-830.	4.2	166
71	Growth anomalies in <i>Pecten maximus</i> from coastal waters (Bay of Brest, France): relationship with diatom blooms. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2000, 80, 667-673.	0.4	62
72	Effects of environmental factors on the daily growth rate of <i>Pecten maximus</i> juveniles in the Bay of Brest (France). <i>Journal of Experimental Marine Biology and Ecology</i> , 1998, 227, 83-111.	0.7	122

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73	Experimental collection of great scallop postlarvae and other benthic species in the Bay of Brest: settlement patterns in relation to spatio-temporal variability of environmental factors. <i>Aquaculture International</i> , 1996, 4, 263-288.	1.1	23
74	Sperm motility in turbot, <i>Scophthalmus marimus</i> : initiation of movement and changes with time of swimming characteristics. <i>Environmental Biology of Fishes</i> , 1995, 43, 341-349.	0.4	76
75	Sperm features in turbot(<i>Scophthalmus maximus</i>):a comparison with other freshwater and marine fish species. <i>Aquatic Living Resources</i> , 1994, 7, 283-294.	0.5	107