## Laurent Chauvaud

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Scallop shells as geochemical archives of phytoplanktonâ€related ecological processes in a temperate coastal ecosystem. Limnology and Oceanography, 2022, 67, 187-202.	3.1	6
2	Insights into the behavioural responses of juvenile thornback ray <scp><i>Raja clavata</i></scp> to alternating and direct current magnetic fields. Journal of Fish Biology, 2022, 100, 645-659.	1.6	5
3	Ba/Ca profiles in shells of Pecten maximus – A proxy for specific primary producers rather than bulk phytoplankton. Chemical Geology, 2022, 593, 120743.	3.3	12
4	CanÂartificialÂmagneticÂfieldsÂalter theÂfunctionalÂroleÂofÂthe blue mussel, Mytilus edulis?. Marine Biology, 2022, 169, .	1.5	1
5	Using growth and geochemical composition of Clathromorphum compactum to track multiscale North Atlantic hydro-climate variability. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 562, 110097.	2.3	4
6	Sources, quality and transfers of organic matter in a highly-stratified sub-Arctic coastal system (Saint-Pierre-et-Miquelon, NW Atlantic). Progress in Oceanography, 2021, 190, 102483.	3.2	0
7	Food source diversity, trophic plasticity, and omnivory enhance the stability of a shallow benthic food web from a <scp>highâ€Arctic</scp> fjord exposed to freshwater inputs. Limnology and Oceanography, 2021, 66, S259.	3.1	21
8	Sound detection by the American lobster ( <i>Homarus americanus</i> ). Journal of Experimental Biology, 2021, 224, .	1.7	17
9	Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. Biological Conservation, 2021, 263, 109175.	4.1	96
10	Potential for acoustic masking due to shipping noise in the European lobster (Homarus gammarus). Marine Pollution Bulletin, 2021, 173, 112934.	5.0	8
11	Anthropogenic boat noise reduces feeding success in winter flounder larvae (Pseudopleuronectes) Tj ETQq1 1 0.	784314 rg 1.0	gBT /Overloci
12	Spiny lobster sounds can be detectable over kilometres underwater. Scientific Reports, 2020, 10, 7943.	3.3	15
13	Does trace element composition of bivalve shells record utra-high frequency environmental variations?. Marine Environmental Research, 2020, 158, 104943.	2.5	11
14	A current synthesis on the effects of electric and magnetic fields emitted by submarine power cables on invertebrates. Marine Environmental Research, 2020, 159, 104958.	2.5	23
15	Assessment of Ba/Ca in Arctica islandica shells as a proxy for phytoplankton dynamics in the Northwestern Atlantic Ocean. Estuarine, Coastal and Shelf Science, 2020, 237, 106628.	2.1	14
16	Acoustic behaviour of male European lobsters (Homarus gammarus) during agonistic encounters. Journal of Experimental Biology, 2020, 223, .	1.7	8
17	Green Edge ice camp campaigns: understanding the processes controlling the under-ice Arctic phytoplankton spring bloom. Earth System Science Data, 2020, 12, 151-176.	9.9	32
18	Contrasting shell growth strategies in two Mediterranean bivalves revealed by oxygen-isotope ratio geochemistry: The case of Pecten jacobaeus and Glycymeris pilosa. Chemical Geology, 2019, 526, 23-35.	3.3	18

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19	An inference procedure for behavioural studies combining numerical simulations, statistics and experimental results. Journal of the Marine Biological Association of the United Kingdom, 2019, 99, 1-7.	0.8	4
20	A new probabilistic approach to estimating marine gastropod densities from baited traps. Marine Ecology, 2018, 39, e12509.	1.1	4
21	Ligament, hinge, and shell cross-sections of the Atlantic surfclam (Spisula solidissima): Promising marine environmental archives in NE North America. PLoS ONE, 2018, 13, e0199212.	2.5	5
22	Marine soundscape shaped by fishing activity. Royal Society Open Science, 2017, 4, 160606.	2.4	20
23	Ancient <scp>DNA</scp> analysis identifies marine mollusc shells as new metagenomic archives of the past. Molecular Ecology Resources, 2017, 17, 835-853.	4.8	62
24	High-resolution nitrogen stable isotope sclerochronology of bivalve shell carbonate-bound organics. Geochimica Et Cosmochimica Acta, 2017, 200, 55-66.	3.9	38
25	System-Based Assessments—Improving the Confidence in the EIA Process. Environments - MDPI, 2017, 4, 95.	3.3	9
26	Influence of riverine input on the growth of Glycymeris glycymeris in the Bay of Brest, North-West France. PLoS ONE, 2017, 12, e0189782.	2.5	12
27	Short-Term Behavioural Responses of the Great Scallop Pecten maximus Exposed to the Toxic Alga Alexandrium minutum Measured by Accelerometry and Passive Acoustics. PLoS ONE, 2016, 11, e0160935.	2.5	13
28	Feet, heat and scallops: what is the cost of anthropogenic disturbance in bivalve aquaculture?. Royal Society Open Science, 2016, 3, 150679.	2.4	8
29	Human activities and climate variability drive fastâ€paced change across the world's estuarine–coastal ecosystems. Global Change Biology, 2016, 22, 513-529.	9.5	368
30	Genetic structure of a commercially exploited bivalve, the great scallop Pecten maximus, along the European coasts. Conservation Genetics, 2016, 17, 57-67.	1.5	30
31	Responses of Two Scleractinian Corals to Cobalt Pollution and Ocean Acidification. PLoS ONE, 2015, 10, e0122898.	2.5	41
32	Trophic connectivity between offshore upwelling and the inshore foodÂweb of Banc d'Arguin (Mauritania): New insights from isotopicAanalysis. Estuarine, Coastal and Shelf Science, 2015, 165, 149-158.	2.1	20
33	Regional scale estimation of carbon fluxes from long-term monitoring of intertidal exposed rocky shore communities. Journal of Marine Systems, 2015, 149, 25-35.	2.1	1
34	The ormer (Haliotis tuberculata): A new, promising paleoclimatic tool. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 427, 32-40.	2.3	5
35	Coastal upwelling in Norway recorded in Great Scallop shells. Limnology and Oceanography, 2015, 60, 1265-1275.	3.1	12

A novel approach using the 15N tracer technique and benthic chambers to determine ammonium fluxes at the sediment–water interface and its application in a back-reef zone on Reunion Island (Indian) Tj ETQq0 0 0 rgBJ /Overlock 10 Tf 5 36

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37	Comparative dynamics of pelagic and benthic micro-algae in a coastal ecosystem. Estuarine, Coastal and Shelf Science, 2013, 133, 67-77.	2.1	18
38	Li/Ca enrichments in great scallop shells (Pecten maximus) and their relationship with phytoplankton blooms. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 373, 108-122.	2.3	41
39	CO2 generation by calcified invertebrates along rocky shores of Brittany, France. Marine and Freshwater Research, 2013, 64, 91.	1.3	14
40	Structural analysis and paleoenvironmental potential of dog cockle shells (Glycymeris glycymeris) in Brittany, northwest France. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 373, 123-132.	2.3	48
41	Trophic resources of the bivalve, <i>Venus verrucosa </i> , in the Chausey archipelago (Normandy,) Tj ETQq1 1 0.78	4314 rgBT 1.2	Qverlock
42	Small actions, big costs: the behavioural energetics of a commercially important invertebrate. Journal of the Royal Society Interface, 2012, 9, 1486-1498.	3.4	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 (Pecten maximus). Marine Environmental Research, 2012, 78, 15-25.	2.5	21
44	Respiration and Calcification of Crassostrea gigas: Contribution of an Intertidal Invasive Species to Coastal Ecosystem CO2 Fluxes. Estuaries and Coasts, 2012, 35, 622-632.	2.2	30
45	Variation in Size and Growth of the Great Scallop Pecten maximus along a Latitudinal Gradient. PLoS ONE, 2012, 7, e37717.	2.5	59
46	Aerial and underwater carbon metabolism of a Zostera noltii seagrass bed in the Banc d'Arguin, Mauritania. Aquatic Botany, 2011, 95, 24-30.	1.6	38
47	Seasonal variations in ectotherm growth rates: Quantifying growth as an intermittent non steady state compensatory process. Journal of Sea Research, 2011, 65, 355-361.	1.6	8
48	What's Hiding Behind Ontogenetic δ13C Variations in Mollusk Shells? New Insights from the Great Scallop (Pecten maximus). Estuaries and Coasts, 2011, 34, 211-220.	2.2	31
49	Experimental growth pattern calibration of Antarctic scallop shells (Adamussium colbecki, Smith) Tj ETQq1 1 0.78 changes. Journal of Experimental Marine Biology and Ecology, 2010, 393, 158-167.	4314 rgBT 1.5	/Overlock 21
50	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
51	No limit? The multiphasic uptake of silicic acid by benthic diatoms. Limnology and Oceanography, 2009, 54, 571-576.	3.1	32
52	Barium and molybdenum records in bivalve shells: Geochemical proxies for phytoplankton dynamics in coastal environments?. Limnology and Oceanography, 2009, 54, 1002-1014.	3.1	97
53	Diel variation of benthic respiration in a coral reef sediment (Reunion Island, Indian Ocean). Estuarine, Coastal and Shelf Science, 2008, 76, 369-377.	2.1	29
54	Growth ofArgopecten purpuratus(Mollusca: Bivalvia) on a natural bank in Northern Chile: sclerochronological record and environmental controls. Aquatic Living Resources, 2008, 21, 45-55.	1.2	20

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55	Reconstruction of seasonal temperature variability in the tropical Pacific Ocean from the shell of the scallop, Comptopallium radula. Geochimica Et Cosmochimica Acta, 2007, 71, 918-928.	3.9	27
56	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
57	Primary production and spatial distribution of subtidal microphytobenthos in a temperate coastal system, the Bay of Brest, France. Estuarine, Coastal and Shelf Science, 2007, 74, 367-380.	2.1	44
58	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
59	Benthic response to ammonium pulses in a tropical lagoon: implications for coastal environmental processes. Journal of Experimental Marine Biology and Ecology, 2005, 316, 231-241.	1.5	28
60	Strong kinetic effects on Sr/Ca ratios in the calcitic bivalve Pecten maximus. Geology, 2005, 33, 965.	4.4	126
61	Determination of metal and organometal trophic bioaccumulation in the benthic macrofauna of the Adour estuary coastal zone (SW France, Bay of Biscay). Journal of Environmental Monitoring, 2005, 7, 693.	2.1	26
62	Comparison of Zostera marina and maerl community metabolism. Aquatic Botany, 2005, 83, 161-174.	1.6	50
63	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
64	Nickel and vanadium contamination of benthic invertebrates following the "Erika―wreck. Aquatic Living Resources, 2004, 17, 273-280.	1.2	38
65	δ13C variation in scallop shells: Increasing metabolic carbon contribution with body size?. Geochimica Et Cosmochimica Acta, 2004, 68, 3509-3519.	3.9	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. Analytica Chimica Acta, 2003, 491, 125-133.	5.4	233
67	Clams as CO <sub>2</sub> generators: The <i>Potamocorbula amurensis</i> example in San Francisco Bay. Limnology and Oceanography, 2003, 48, 2086-2092.	3.1	81
68	Direct evidence of a biologically active coastal silicate pump: Ecological implications. Limnology and Oceanography, 2002, 47, 1849-1854.	3.1	84
69	Differential δ13C and δ15N signatures among scallop tissues: implications for ecology and physiology. Journal of Experimental Marine Biology and Ecology, 2002, 275, 47-61.	1.5	208
70	Marine eutrophication and benthos: the need for new approaches and concepts. Global Change Biology, 2002, 8, 813-830.	9.5	166
71	Growth anomalies in Pecten maximus from coastal waters (Bay of Brest, France): relationship with diatom blooms. Journal of the Marine Biological Association of the United Kingdom, 2000, 80, 667-673.	0.8	62
72	Effects of environmental factors on the daily growth rate of Pecten maximus juveniles in the Bay of Brest (France). Journal of Experimental Marine Biology and Ecology, 1998, 227, 83-111.	1.5	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. Aquaculture International, 1996, 4, 263-288.	2.2	23
74	Sperm motility in turbot, Scophthalmus marimus: initiation of movement and changes with time of swimming characteristics. Environmental Biology of Fishes, 1995, 43, 341-349.	1.0	76
75	Sperm features in turbot(Scophthalmus maximus):a comparison with other freshwater and marine fish species. Aquatic Living Resources, 1994, 7, 283-294.	1.2	107