

# Gerard Thouzeau

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

2,330  
citations

186265

28  
h-index

223800

46  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2338  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The Codevelopment of Mangroves and Infaunal Community Diversity in Response to the Natural Dynamics of Mud Deposition in French Guiana. <i>Sustainability</i> , 2022, 14, 2829.	3.2	1
3	Comparison of benthic oxygen exchange measured by aquatic Eddy Covariance and Benthic Chambers in two contrasting coastal biotopes (Bay of Brest, France). <i>Regional Studies in Marine Science</i> , 2021, 43, 101668.	0.7	4
4	Easily Implemented Methods of Radiometric Corrections for Hyperspectral UAV Application to Guianese Equatorial Mudbanks Colonized by Pioneer Mangroves. <i>Remote Sensing</i> , 2021, 13, 4792.	4.0	14
5	Mangrove-Derived Organic and Inorganic Carbon Exchanges Between the Sinnamary Estuarine System (French Guiana, South America) and Atlantic Ocean. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2020, 125, e2020JC005739.	3.0	12
6	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
7	Predicting the energy budget of the scallop <i>Argopecten purpuratus</i> in an oxygen-limiting environment. <i>Journal of Sea Research</i> , 2019, 143, 254-261.	1.6	9
8	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
9	The sources and distribution of carbon (DOC, POC, DIC) in a mangrove dominated estuary (French Tj ETQq1 1 0.784314 rgBT/Overlo	3.5	43
10	The Impossible Sustainability of the Bay of Brest? Fifty Years of Ecosystem Changes, Interdisciplinary Knowledge Construction and Key Questions at the Science-Policy-Community Interface. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	13
11	A review of potential impacts of submarine power cables on the marine environment: Knowledge gaps, recommendations and future directions. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 96, 380-391.	16.4	118
12	Bioturbation functional roles associated with mangrove development in French Guiana, South America. <i>Hydrobiologia</i> , 2017, 794, 179-202.	2.0	17
13	Evidence of clandestine harvest and failure of conservation policies for <i>Argopecten purpuratus</i> in the Rinconada Marine Reserve (Chile). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2017, 27, 588-603.	2.0	7
14	Brachyuran crab community structure and associated sediment reworking activities in pioneer and young mangroves of French Guiana, South America. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 182, 60-71.	2.1	25
15	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
16	Marine Species Introduced on the French Channel-Atlantic Coasts: A Review of Main Biological Invasions and Impacts. <i>Open Journal of Ecology</i> , 2015, 05, 227-257.	1.0	20
17	MMHg production and export from intertidal sediments to the water column of a tidal lagoon (Arcachon Bay, France). <i>Biogeochemistry</i> , 2013, 114, 341-358.	3.5	29
18	Measurements of gaseous mercury exchanges at the sediment-water, water-atmosphere and sediment-atmosphere interfaces of a tidal environment (Arcachon Bay, France). <i>Journal of Environmental Monitoring</i> , 2011, 13, 1351.	2.1	28

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19	Methane sources, sinks and fluxes in a temperate tidal Lagoon: The Arcachon lagoon (SW France). <i>Estuarine, Coastal and Shelf Science</i> , 2010, 89, 256-266.	2.1	56
20	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
21	Benthic "pelagic coupling and the seasonal silica cycle in the Bay of Brest (France): new insights from a coupled physical "biological model. <i>Marine Ecology - Progress Series</i> , 2009, 385, 15-32.	1.9	17
22	Effects of water depth on survival and growth of <i>Argopecten purpuratus</i> (Lamarck, 1819) spat in northern Chile. <i>Aquaculture International</i> , 2008, 16, 377-391.	2.2	14
23	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.	2.1	29
24	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.	1.2	20
25	Seasonal variability of living benthic foraminifera from the outer continental shelf of the Bay of Biscay. <i>Journal of Sea Research</i> , 2008, 59, 297-319.	1.6	55
26	Reproductive and larval cycle of the scallop <i>Argopecten purpuratus</i> (Ostreoida: Pectinidae), during El Niño-La Niña events and normal weather conditions in Antofagasta, Chile. <i>Revista De Biología Tropical</i> , 2008, 56, 121-32.	0.4	8
27	Effects of seasonal dynamics in a <i>Zostera noltii</i> meadow on phosphorus and iron cycles in a tidal mudflat (Arcachon Bay, France). <i>Marine Ecology - Progress Series</i> , 2008, 355, 59-71.	1.9	43
28	Improving <i>Argopecten purpuratus</i> culture in northern Chile: Results from the study of larval and post-larval stages in relation to environmental forcing. <i>Aquaculture</i> , 2007, 272, 423-443.	3.5	15
29	Influence of suspended scallop cages and mussel lines on pelagic and benthic biogeochemical fluxes in Havre-aux-Maisons Lagoon, Îles-de-la-Madeleine (Quebec, Canada). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 1491-1505.	1.4	50
30	Benthic O <sub>2</sub> 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
31	Biological control of trace metal and organometal benthic fluxes in a eutrophic lagoon (Thau) Tj ETQq1 1 0.784314,rgBT /Overlock 10 2.1	2.1	88
32	The biogeochemistry of mercury at the sediment "water interface in the Thau Lagoon. 2. Evaluation of mercury methylation potential in both surface sediment and the water column. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 72, 485-496.	2.1	61
33	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
34	Response of a phytoplankton community to increased nutrient inputs: A mesocosm experiment in the Bay of Brest (France). <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 351, 188-198.	1.5	17
35	Vernal sedimentation trends in north Norwegian fjords: temporary anomaly in 234Th particulate fluxes related to <i>Phaeocystis pouchetii</i> proliferation. <i>Biogeochemistry</i> , 2007, 83, 235-244.	3.5	5
36	Impact of an invasive species, <i>Crepidula fornicata</i> , on the hydrodynamics and transport properties of the benthic boundary layer. <i>Aquatic Living Resources</i> , 2007, 20, 15-31.	1.2	25

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37	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
38	Community metabolism in temperate maerl beds. I. Carbon and carbonate fluxes. <i>Marine Ecology - Progress Series</i> , 2007, 335, 19-29.	1.9	67
39	Community metabolism in temperate maerl beds. II. Nutrient fluxes. <i>Marine Ecology - Progress Series</i> , 2007, 335, 31-41.	1.9	23
40	Summer influence of 1 and 2 yr old mussel cultures on benthic fluxes in Grande-Entrée lagoon, Îles-de-la-Madeleine (Québec, Canada). <i>Marine Ecology - Progress Series</i> , 2007, 338, 131-143.	1.9	46
41	Artificial collection and early growth of spat of the scallop <i>Argopecten purpuratus</i> (Lamarck.)	1.0784314	15
42	Vernal sedimentation trends in north Norwegian fjords: temporary anomaly in 234Th particulate fluxes related to <i>Phaeocystis pouchetii</i> proliferation. , 2007, , 235-244.		0
43	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
44	Gregariousness and protandry promote reproductive insurance in the invasive gastropod <i>Crepidula fornicata</i> : evidence from assignment of larval paternity. <i>Molecular Ecology</i> , 2006, 15, 3009-3021.	3.9	73
45	Reproduction of the invasive slipper limpet, <i>Crepidula fornicata</i> , in the Bay of Brest, France. <i>Marine Biology</i> , 2006, 149, 789-801.	1.5	56
46	Significance of vertical flux as a sink for surface water DMSP and as a source for the sediment surface in coastal zones of northern Europe. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 68, 473-488.	2.1	15
47	Influence of suspended mussel lines on the biogeochemical fluxes in adjacent water in the Îles-de-la-Madeleine (Quebec, Canada). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 1198-1213.	1.4	52
48	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
49	Comparison of <i>Zostera marina</i> and maerl community metabolism. <i>Aquatic Botany</i> , 2005, 83, 161-174.	1.6	50
50	Reproductive cycle of <i>Argopecten purpuratus</i> (Bivalvia: Pectinidae) in La Rinconada marine reserve (Antofagasta, Chile): Response to environmental effects of El Niño and La Niña. <i>Aquaculture</i> , 2005, 246, 181-195.	3.5	46
51	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
52	Clams as CO <sub>2</sub> generators: The <i>Potamocorbula amurensis</i> example in San Francisco Bay. <i>Limnology and Oceanography</i> , 2003, 48, 2086-2092.	3.1	81
53	Direct evidence of a biologically active coastal silicate pump: Ecological implications. <i>Limnology and Oceanography</i> , 2002, 47, 1849-1854.	3.1	84
54	Variations in food intake of <i>Pecten maximus</i> (L.) from the Bay of Brest (France): Influence of environmental factors and phytoplankton species composition. <i>Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie</i> , 2001, 324, 743-755.	0.8	18

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55	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
56	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.	1.5	122
57	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.	2.2	23
58	Experimental collection of postlarvae of <i>Pecten maximus</i> (L.) and other benthic macrofaunal species in the Bay of Saint-Brieuc, France. I. Settlement patterns and biotic interactions among the species collected. <i>Journal of Experimental Marine Biology and Ecology</i> , 1991, 148, 159-179.	1.5	34
59	Experimental collection of postlarvae of <i>Pecten maximus</i> (L.) and other benthic macrofaunal species in the Bay of Saint-Brieuc, France. II. Reproduction patterns and postlarval growth of five mollusc species. <i>Journal of Experimental Marine Biology and Ecology</i> , 1991, 148, 181-200.	1.5	29
60	Déterminisme du recrutement de <i>Pecten maximus</i> (L.) en baie de Saint-Brieuc : processus régulateurs de l'abondance, de la survie et de la croissance des post-larves et juvéniles. <i>Aquatic Living Resources</i> , 1991, 4, 77-99.	1.2	18
61	Faunal assemblages of benthic mega-invertebrates inhabiting sea scallop grounds from eastern Georges Bank, in relation to environmental factors. <i>Marine Ecology - Progress Series</i> , 1991, 74, 61-82.	1.9	53