

# 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	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	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
4	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
5	Biological control of trace metal and organometal benthic fluxes in a eutrophic lagoon (Thau) Tj ETQq1 1 0.784314, rgBT /Overlock 10	2.1	88
6	Direct evidence of a biologically active coastal silicate pump: Ecological implications. <i>Limnology and Oceanography</i> , 2002, 47, 1849-1854.	3.1	84
7	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
8	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
9	Community metabolism in temperate maerl beds. I. Carbon and carbonate fluxes. <i>Marine Ecology - Progress Series</i> , 2007, 335, 19-29.	1.9	67
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Comparison of <i>Zostera marina</i> and maerl community metabolism. <i>Aquatic Botany</i> , 2005, 83, 161-174.	1.6	50
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	Community metabolism in temperate maerl beds. II. Nutrient fluxes. <i>Marine Ecology - Progress Series</i> , 2007, 335, 31-41.	1.9	23
35	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
36	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

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37	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
38	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
39	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
40	Démotermisme du pré-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
41	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
42	Bioturbation functional roles associated with mangrove development in French Guiana, South America. <i>Hydrobiologia</i> , 2017, 794, 179-202.	2.0	17
43	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
44	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
45	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
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	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
48	Artificial collection and early growth of spat of the scallop <i>Argopecten purpuratus</i> (Lamarck). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	0.6	15
49	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
50	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
51	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
52	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
53	Mangrove-Derived Organic and Inorganic Carbon Exchanges Between the Sinnamary Estuarine System (French Guiana, South America) and Atlantic Ocean. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005739.	3.0	12
54	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

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55	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
56	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
57	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
58	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
59	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
60	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
61	Vernal sedimentation trends in north Norwegian fjords: temporary anomaly in 234Th particulate fluxes related to <i>Phaeocystis pouchetii</i> proliferation. , 2007, , 235-244.		0