Jacques Grall

List of Publications by Year in Descending Order

66 papers	1,537 citations	20 h-index	38 g-index
69 ext. papers	1,889 ext. citations	3.1 avg, IF	4.43 L-index

#	Paper	IF	Citations
66	First insights into the meiofauna community of a maerl bed in the Bay of Brest (Brittany). *Scientia Marina*, **2022**, 86, e024	1.8	
65	Functional changes in benthic macrofaunal communities along a natural gradient of hypoxia in an upwelling system. *Marine Pollution Bulletin*, **2021**, 164, 112056	6.7	6
64	A General-Purpose Biotic Index to Measure Changes in Benthic Habitat Quality across Several Pressure Gradients. *Journal of Marine Science and Engineering*, **2021**, 9, 654	2.4	0
63	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	3.8	
62	Physiology of maerl algae: Comparison of inter- and intraspecies variations. *Journal of Phycology*, **2021**, 57, 831-848	3	0
61	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. *Limnology and Oceanography*, **2021** , 66, S259	4.8	1
60	Fossil maerl beds as coastal indicators of late Holocene palaeo-environmental evolution in the Bay of Brest (Western France). *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2021**, 577, 110525	2.9	1
59	Impact of fishing gears and fishing intensities on maerl beds: An experimental approach. *Journal of Experimental Marine Biology and Ecology*, **2020**, 533, 151472	2.1	2
58	Wave height vs. elevation effect on macroalgal dominated shores: an intercommunity study. *Journal of Applied Phycology*, **2020**, 32, 2523-2534	3.2	2
57	Green macroalgae blooms (Ulva spp.) influence trophic ecology of juvenile flatfish differently in sandy beach nurseries. *Marine Environmental Research*, **2020**, 154, 104843	3.3	2
56	Trait-based approach to monitoring marine benthic data along 500 km of coastline. *Diversity and Distributions*, **2019**, 25, 1879-1896	5	15
55	Grazers increase the sensitivity of coralline algae to ocean acidification and warming. *Journal of Sea Research*, **2019**, 148-149, 1-7	1.9	3
54	Meiofauna communities response to an anthropogenic pressure: The case study of green macroalgal bloom on sandy beach in Brittany. *Estuarine, Coastal and Shelf Science*, **2019**, 227, 106326	2.9	4
53	Small-scale effects of hydrodynamics on the structure of intertidal macroalgal communities: A novel approach. *Estuarine, Coastal and Shelf Science*, **2019**, 226, 106290	2.9	4
52	Guess who? On the importance of using appropriate name: case study of (Montagu, 1813). *ZooKeys*, **2019**, 859, 1-15	1.2	8
51	Declining maerl vitality and habitat complexity across a dredging gradient: Insights from in situ sediment profile imagery (SPI). *Scientific Reports*, **2019**, 9, 16463	4.9	11
50	Combined effects of global climate change and nutrient enrichment on the physiology of three temperate maerl species. *Ecology and Evolution*, **2019**, 9, 13787-13807	2.8	6

49	The role of local environmental changes on maerl and its associated non-calcareous epiphytic flora in the Bay of Brest. *Estuarine, Coastal and Shelf Science*, **2018**, 208, 140-152	2.9	11
48	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. *Frontiers in Marine Science*, **2018**, 5,	4.5	6
47	Silicon consumption kinetics by marine sponges: An assessment of their role at the ecosystem level. *Limnology and Oceanography*, **2018**, 63, 2508-2522	4.8	13
46	Marine sublittoral benthos fails to track temperature in response to climate change in a biogeographical transition zone. *ICES Journal of Marine Science*, **2018**, 75, 1894-1907	2.7	4
45	Chaetozone corona (Polychaeta, Cirratulidae) in the Bay of Biscay: a new alien species for the North-east Atlantic waters?. *Journal of the Marine Biological Association of the United Kingdom*, **2017**, 97, 433-445	1.1	11
44	Marine soundscape shaped by fishing activity. *Royal Society Open Science*, **2017**, 4, 160606	3.3	17
43	Constancy despite variability: Local and regional macrofaunal diversity in intertidal seagrass beds. *Journal of Sea Research*, **2017**, 130, 107-122	1.9	14
42	Regional and latitudinal patterns of soft-bottom macrobenthic invertebrates along French coasts: Results from the RESOMAR database. *Journal of Sea Research*, **2017**, 130, 96-106	1.9	6
41	Species interactions can shift the response of a maerl bed community to ocean acidification and warming. *Biogeosciences*, **2017**, 14, 5359-5376	4.6	16
40	Loimia ramzega sp. nov., a new giant species of Terebellidae (Polychaeta) from French waters (Brittany, English Channel). *Journal of the Marine Biological Association of the United Kingdom*, **2017**, 97, 935-942	1.1	3
39	North Atlantic Rhodolith Beds. *Coastal Research Library*, **2017**, 265-279	0.4	14
38	Sound production and associated behaviours of benthic invertebrates from a coastal habitat in the north-east Atlantic. *Marine Biology*, **2016**, 163, 1	2.5	37
37	Stable isotope ratios in bentho-demersal biota along a depth gradient in the Bay of Biscay: A multitrophic study. *Estuarine, Coastal and Shelf Science*, **2016**, 179, 201-206	2.9	8
36	Human activities and climate variability drive fast-paced change across the world's estuarine-coastal ecosystems. *Global Change Biology*, **2016**, 22, 513-29	11.4	241
35	Opportunistic basal resource simplifies food web structure and functioning of a highly dynamic marine environment. *Journal of Experimental Marine Biology and Ecology*, **2016**, 477, 92-102	2.1	24
34	Food web of a confined and anthropogenically affected coastal basin (the Mar Piccolo of Taranto) revealed by carbon and nitrogen stable isotopes analyses. *Environmental Science and Pollution Research*, **2016**, 23, 12725-38	5.1	13
33	Spatial changes in fatty acids signatures of the great scallop Pecten maximus across the Bay of Biscay continental shelf. *Continental Shelf Research*, **2015**, 109, 1-9	2.4	19
32	Large-scale effects of green tides on macrotidal sandy beaches: Habitat-specific responses of zoobenthos. *Estuarine, Coastal and Shelf Science*, **2015**, 164, 379-391	2.9	16

31	Microscale aspects in the diet of the limpet Patella vulgata L.. *Journal of the Marine Biological Association of the United Kingdom*, **2015**, 95, 1155-1162	1.1	3
30	Environmental factors affecting maerl bed structure in Brittany (France). *European Journal of Phycology*, **2015**, 50, 371-383	2.2	17
29	Metabarcoding is powerful yet still blind: a comparative analysis of morphological and molecular surveys of seagrass communities. *PLoS ONE*, **2015**, 10, e0117562	3.7	145
28	Regional scale estimation of carbon fluxes from long-term monitoring of intertidal exposed rocky shore communities. *Journal of Marine Systems*, **2015**, 149, 25-35	2.7	1
27	Detection of Gametophytes in the Maerl-Forming SpeciesPhymatolithon calcareum(Melobesioideae, Corallinales) Assessed by DNA Barcoding. *Cryptogamie, Algologie*, **2014**, 35, 15-25	0.7	23
26	Multiscale patterns in the diversity and organization of benthic intertidal fauna among French Atlantic estuaries. *Journal of Sea Research*, **2014**, 90, 95-110	1.9	20
25	Carbon emission associated with respiration and calcification of nine gastropod species from the intertidal rocky shore of Western Europe. *Marine Biology*, **2013**, 160, 2891-2901	2.5	6
24	Spatial Variability of Stable Isotope Ratios in Oysters (Crassostrea gigas) and Primary Producers Along an Estuarine Gradient (Bay of Brest, France). *Estuaries and Coasts*, **2013**, 36, 808-819	2.8	21
23	Regional-scale analysis of subtidal rocky shore community. *Helgoland Marine Research*, **2013**, 67, 697-712	1.8	15
22	Aerial and underwater metabolism of Patella vulgata L.: comparison of three intertidal levels. *Hydrobiologia*, **2013**, 702, 241-253	2.4	5
21	CO2 generation by calcified invertebrates along rocky shores of Brittany, France. *Marine and Freshwater Research*, **2013**, 64, 91	2.2	10
20	Preface--Contributions to the 8th International Conference on Applications of Stable Isotope Techniques to Ecological Studies (ISOECOL), Brest, France, 20-24 August 2012. *Isotopes in Environmental and Health Studies*, **2013**, 49, 293-4	1.5	2
19	Stable isotope variations in benthic filter feeders across a large depth gradient on the continental shelf. *Estuarine, Coastal and Shelf Science*, **2012**, 96, 228-235	2.9	38
18	Tidal variability in benthic silicic acid fluxes and microphytobenthos uptake in intertidal sediment. *Estuarine, Coastal and Shelf Science*, **2011**, 95, 59-66	2.9	14
17	Easier detection of invertebrate "identification-key characters" with light of different wavelengths. *Frontiers in Zoology*, **2011**, 8, 27	2.8	0
16	A seasonal stable isotope survey of the food web associated to a peri-urban rocky shore. *Marine Biology*, **2010**, 157, 283-294	2.5	24
15	Heterogeneous energetic pathways and carbon sources on deep eastern Mediterranean cold seep communities. *Marine Biology*, **2010**, 157, 2545-2565	2.5	37
14	Occurrence of the cis-4,7,10, trans-13-22:4 fatty acid in the family Pectinidae (Mollusca: Bivalvia). *Lipids*, **2010**, 45, 437-44	1.6	4

13	Benthic community and food web structure on the continental shelf of the Bay of Biscay (North Eastern Atlantic) revealed by stable isotopes analysis. *Journal of Marine Systems*, **2008**, 72, 17-34	2.7	80
12	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	2.9	37
11	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	2.9	38
10	Community structure and food web based on stable isotopes (δ15N and δ13C) analysis of a North Eastern Atlantic maerl bed. *Journal of Experimental Marine Biology and Ecology*, **2006**, 338, 1-15	2.1	129
9	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, 693-700		24
8	Comparison of Zostera marina and maerl community metabolism. *Aquatic Botany*, **2005**, 83, 161-174	1.8	43
7	Marine eutrophication and benthos: the need for new approaches and concepts. *Global Change Biology*, **2002**, 8, 813-830	11.4	125
6	Direct evidence of a biologically active coastal silicate pump: Ecological implications. *Limnology and Oceanography*, **2002**, 47, 1849-1854	4.8	68
5	Can low sea urchin densities control macro-epiphytic biomass in a north-east Atlantic maerl bed ecosystem (Bay of Brest, Brittany, France)?. *Journal of the Marine Biological Association of the United Kingdom*, **2002**, 82, 867-876	1.1	26
4	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	2.6	18
3	Stable I sotope T rajectory A nalysis (SITA): A new approach to quantify and visualize dynamics in stable isotope studies. *Ecological Monographs*,	9	1
2	Drivers and limits of phenotypic responses in vulnerable seagrass populations: Zostera marina in the intertidal. *Journal of Ecology*,	6	1
1	Lithothamnion (Hapalidiales, Rhodophyta) in the changing Arctic and Subarctic: DNA sequencing of type and recent specimens provides a systematics foundation*. *European Journal of Phycology*,1-26	2.2	4