

# Jacques Grall

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Human activities and climate variability drive fast-paced change across the world's estuarine-coastal ecosystems. <i>Global Change Biology</i> , <b>2016</b> , 22, 513-29	11.4	241
65	Metabarcoding is powerful yet still blind: a comparative analysis of morphological and molecular surveys of seagrass communities. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117562	3.7	145
64	Community structure and food web based on stable isotopes ( $\delta^{15}\text{N}$ and $\delta^{13}\text{C}$ ) analysis of a North Eastern Atlantic maerl bed. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2006</b> , 338, 1-15	2.1	129
63	Marine eutrophication and benthos: the need for new approaches and concepts. <i>Global Change Biology</i> , <b>2002</b> , 8, 813-830	11.4	125
62	Benthic community and food web structure on the continental shelf of the Bay of Biscay (North Eastern Atlantic) revealed by stable isotopes analysis. <i>Journal of Marine Systems</i> , <b>2008</b> , 72, 17-34	2.7	80
61	Direct evidence of a biologically active coastal silicate pump: Ecological implications. <i>Limnology and Oceanography</i> , <b>2002</b> , 47, 1849-1854	4.8	68
60	Comparison of <i>Zostera marina</i> and maerl community metabolism. <i>Aquatic Botany</i> , <b>2005</b> , 83, 161-174	1.8	43
59	Stable isotope variations in benthic filter feeders across a large depth gradient on the continental shelf. <i>Estuarine, Coastal and Shelf Science</i> , <b>2012</b> , 96, 228-235	2.9	38
58	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> , <b>2007</b> , 74, 367-380	2.9	38
57	Sound production and associated behaviours of benthic invertebrates from a coastal habitat in the north-east Atlantic. <i>Marine Biology</i> , <b>2016</b> , 163, 1	2.5	37
56	Heterogeneous energetic pathways and carbon sources on deep eastern Mediterranean cold seep communities. <i>Marine Biology</i> , <b>2010</b> , 157, 2545-2565	2.5	37
55	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> , <b>2007</b> , 72, 432-446	2.9	37
54	Can low sea urchin densities control macro-epiphytic biomass in a north-east Atlantic maerl bed ecosystem (Bay of Brest, Brittany, France)?. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2002</b> , 82, 867-876	1.1	26
53	Opportunistic basal resource simplifies food web structure and functioning of a highly dynamic marine environment. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2016</b> , 477, 92-102	2.1	24
52	A seasonal stable isotope survey of the food web associated to a peri-urban rocky shore. <i>Marine Biology</i> , <b>2010</b> , 157, 283-294	2.5	24
51	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> , <b>2005</b> , 7, 693-700		24
50	Detection of Gametophytes in the Maerl-Forming Species <i>Phymatolithon calcareum</i> (Melobesioideae, Corallinales) Assessed by DNA Barcoding. <i>Cryptogamie, Algologie</i> , <b>2014</b> , 35, 15-25	0.7	23

49	Spatial Variability of Stable Isotope Ratios in Oysters ( <i>Crassostrea gigas</i> ) and Primary Producers Along an Estuarine Gradient (Bay of Brest, France). <i>Estuaries and Coasts</i> , <b>2013</b> , 36, 808-819	2.8	21
48	Multiscale patterns in the diversity and organization of benthic intertidal fauna among French Atlantic estuaries. <i>Journal of Sea Research</i> , <b>2014</b> , 90, 95-110	1.9	20
47	Spatial changes in fatty acids signatures of the great scallop <i>Pecten maximus</i> across the Bay of Biscay continental shelf. <i>Continental Shelf Research</i> , <b>2015</b> , 109, 1-9	2.4	19
46	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> , <b>1996</b> , 4, 263-288	2.6	18
45	Marine soundscape shaped by fishing activity. <i>Royal Society Open Science</i> , <b>2017</b> , 4, 160606	3.3	17
44	Environmental factors affecting maerl bed structure in Brittany (France). <i>European Journal of Phycology</i> , <b>2015</b> , 50, 371-383	2.2	17
43	Large-scale effects of green tides on macrotidal sandy beaches: Habitat-specific responses of zoobenthos. <i>Estuarine, Coastal and Shelf Science</i> , <b>2015</b> , 164, 379-391	2.9	16
42	Species interactions can shift the response of a maerl bed community to ocean acidification and warming. <i>Biogeosciences</i> , <b>2017</b> , 14, 5359-5376	4.6	16
41	Trait-based approach to monitoring marine benthic data along 500 km of coastline. <i>Diversity and Distributions</i> , <b>2019</b> , 25, 1879-1896	5	15
40	Regional-scale analysis of subtidal rocky shore community. <i>Helgoland Marine Research</i> , <b>2013</b> , 67, 697-712	2.8	15
39	Constancy despite variability: Local and regional macrofaunal diversity in intertidal seagrass beds. <i>Journal of Sea Research</i> , <b>2017</b> , 130, 107-122	1.9	14
38	North Atlantic Rhodolith Beds. <i>Coastal Research Library</i> , <b>2017</b> , 265-279	0.4	14
37	Tidal variability in benthic silicic acid fluxes and microphytobenthos uptake in intertidal sediment. <i>Estuarine, Coastal and Shelf Science</i> , <b>2011</b> , 95, 59-66	2.9	14
36	Food web of a confined and anthropogenically affected coastal basin (the Mar Piccolo of Taranto) revealed by carbon and nitrogen stable isotopes analyses. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 12725-38	5.1	13
35	Silicon consumption kinetics by marine sponges: An assessment of their role at the ecosystem level. <i>Limnology and Oceanography</i> , <b>2018</b> , 63, 2508-2522	4.8	13
34	Chaetozoa corona (Polychaeta, Cirratulidae) in the Bay of Biscay: a new alien species for the North-east Atlantic waters?. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2017</b> , 97, 433-445	1.1	11
33	The role of local environmental changes on maerl and its associated non-calcareous epiphytic flora in the Bay of Brest. <i>Estuarine, Coastal and Shelf Science</i> , <b>2018</b> , 208, 140-152	2.9	11
32	Declining maerl vitality and habitat complexity across a dredging gradient: Insights from in situ sediment profile imagery (SPI). <i>Scientific Reports</i> , <b>2019</b> , 9, 16463	4.9	11

31	CO <sub>2</sub> generation by calcified invertebrates along rocky shores of Brittany, France. <i>Marine and Freshwater Research</i> , <b>2013</b> , 64, 91	2.2	10
30	Stable isotope ratios in benthic-demersal biota along a depth gradient in the Bay of Biscay: A multitrophic study. <i>Estuarine, Coastal and Shelf Science</i> , <b>2016</b> , 179, 201-206	2.9	8
29	Guess who? On the importance of using appropriate name: case study of (Montagu, 1813). <i>ZooKeys</i> , <b>2019</b> , 859, 1-15	1.2	8
28	Regional and latitudinal patterns of soft-bottom macrobenthic invertebrates along French coasts: Results from the RESOMAR database. <i>Journal of Sea Research</i> , <b>2017</b> , 130, 96-106	1.9	6
27	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> , <b>2018</b> , 5,	4.5	6
26	Carbon emission associated with respiration and calcification of nine gastropod species from the intertidal rocky shore of Western Europe. <i>Marine Biology</i> , <b>2013</b> , 160, 2891-2901	2.5	6
25	Functional changes in benthic macrofaunal communities along a natural gradient of hypoxia in an upwelling system. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 164, 112056	6.7	6
24	Combined effects of global climate change and nutrient enrichment on the physiology of three temperate maerl species. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 13787-13807	2.8	6
23	Aerial and underwater metabolism of <i>Patella vulgata</i> L.: comparison of three intertidal levels. <i>Hydrobiologia</i> , <b>2013</b> , 702, 241-253	2.4	5
22	Marine sublittoral benthos fails to track temperature in response to climate change in a biogeographical transition zone. <i>ICES Journal of Marine Science</i> , <b>2018</b> , 75, 1894-1907	2.7	4
21	Meiofauna communities' response to an anthropogenic pressure: The case study of green macroalgal bloom on sandy beach in Brittany. <i>Estuarine, Coastal and Shelf Science</i> , <b>2019</b> , 227, 106326	2.9	4
20	Small-scale effects of hydrodynamics on the structure of intertidal macroalgal communities: A novel approach. <i>Estuarine, Coastal and Shelf Science</i> , <b>2019</b> , 226, 106290	2.9	4
19	Occurrence of the cis-4,7,10, trans-13-22:4 fatty acid in the family Pectinidae (Mollusca: Bivalvia). <i>Lipids</i> , <b>2010</b> , 45, 437-44	1.6	4
18	Lithothamnion (Hapalidiales, Rhodophyta) in the changing Arctic and Subarctic: DNA sequencing of type and recent specimens provides a systematics foundation*. <i>European Journal of Phycology</i> , 1-26	2.2	4
17	Grazers increase the sensitivity of coralline algae to ocean acidification and warming. <i>Journal of Sea Research</i> , <b>2019</b> , 148-149, 1-7	1.9	3
16	Microscale aspects in the diet of the limpet <i>Patella vulgata</i> L.. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2015</b> , 95, 1155-1162	1.1	3
15	<i>Loimia ramzega</i> sp. nov., a new giant species of Terebellidae (Polychaeta) from French waters (Brittany, English Channel). <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2017</b> , 97, 935-942	1.1	3
14	Impact of fishing gears and fishing intensities on maerl beds: An experimental approach. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2020</b> , 533, 151472	2.1	2

13	Preface--Contributions to the 8th International Conference on Applications of Stable Isotope Techniques to Ecological Studies (ISOECOL), Brest, France, 20-24 August 2012. <i>Isotopes in Environmental and Health Studies</i> , <b>2013</b> , 49, 293-4	1.5	2
12	Wave height vs. elevation effect on macroalgal dominated shores: an intercommunity study. <i>Journal of Applied Phycology</i> , <b>2020</b> , 32, 2523-2534	3.2	2
11	Green macroalgae blooms ( <i>Ulva</i> spp.) influence trophic ecology of juvenile flatfish differently in sandy beach nurseries. <i>Marine Environmental Research</i> , <b>2020</b> , 154, 104843	3.3	2
10	Regional scale estimation of carbon fluxes from long-term monitoring of intertidal exposed rocky shore communities. <i>Journal of Marine Systems</i> , <b>2015</b> , 149, 25-35	2.7	1
9	Stable Isotope Trajectory Analysis (SITA): A new approach to quantify and visualize dynamics in stable isotope studies. <i>Ecological Monographs</i> ,	9	1
8	Drivers and limits of phenotypic responses in vulnerable seagrass populations: <i>Zostera marina</i> in the intertidal. <i>Journal of Ecology</i> ,	6	1
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> , <b>2021</b> , 66, S259	4.8	1
6	Fossil maerl beds as coastal indicators of late Holocene palaeo-environmental evolution in the Bay of Brest (Western France). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2021</b> , 577, 110525	2.9	1
5	Easier detection of invertebrate "identification-key characters" with light of different wavelengths. <i>Frontiers in Zoology</i> , <b>2011</b> , 8, 27	2.8	0
4	A General-Purpose Biotic Index to Measure Changes in Benthic Habitat Quality across Several Pressure Gradients. <i>Journal of Marine Science and Engineering</i> , <b>2021</b> , 9, 654	2.4	0
3	Physiology of maerl algae: Comparison of inter- and intraspecies variations. <i>Journal of Phycology</i> , <b>2021</b> , 57, 831-848	3	0
2	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> , <b>2021</b> , 190, 102483	3.8	
1	First insights into the meiofauna community of a maerl bed in the Bay of Brest (Brittany). <i>Scientia Marina</i> , <b>2022</b> , 86, e024	1.8	