

Joaquim Garrabou

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

4,222
citations

109321

35
h-index

114465

63
g-index

67
all docs

67
docs citations

67
times ranked

4738
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate change and interconnected risks to sustainable development in the Mediterranean. <i>Nature Climate Change</i> , 2018, 8, 972-980.	18.8	776
2	The Structure of Mediterranean Rocky Reef Ecosystems across Environmental and Human Gradients, and Conservation Implications. <i>PLoS ONE</i> , 2012, 7, e32742.	2.5	275
3	Sponge Mass Mortalities in a Warming Mediterranean Sea: Are Cyanobacteria-Harboring Species Worse Off?. <i>PLoS ONE</i> , 2011, 6, e20211.	2.5	158
4	Thermodependent bacterial pathogens and mass mortalities in temperate benthic communities: a new case of emerging disease linked to climate change. <i>Global Change Biology</i> , 2007, 13, 2078-2088.	9.5	155
5	Size distribution, density and disturbance in two Mediterranean gorgonians: <i>Paramuricea clavata</i> and <i>Eunicella singularis</i> . <i>Journal of Applied Ecology</i> , 2008, 45, 688-699.	4.0	151
6	Marine heatwaves drive recurrent mass mortalities in the Mediterranean Sea. <i>Global Change Biology</i> , 2022, 28, 5708-5725.	9.5	144
7	Biologists ignore ocean weather at their peril. <i>Nature</i> , 2018, 560, 299-301.	27.8	104
8	Collaborative Database to Track Mass Mortality Events in the Mediterranean Sea. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	104
9	Climate change, biological invasions, and the shifting distribution of Mediterranean fishes: A large-scale survey based on local ecological knowledge. <i>Global Change Biology</i> , 2019, 25, 2779-2792.	9.5	100
10	High resolution characterization of northwest Mediterranean coastal waters thermal regimes: To better understand responses of benthic communities to climate change. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 87, 431-441.	2.1	88
11	Deep-water stands of <i>Cystoseira zosteroides</i> C. Agardh (Fucales, Ochrophyta) in the Northwestern Mediterranean: Insights into assemblage structure and population dynamics. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 82, 477-484.	2.1	80
12	Impacts on Coralligenous Outcrop Biodiversity of a Dramatic Coastal Storm. <i>PLoS ONE</i> , 2013, 8, e53742.	2.5	79
13	Nano to macroscale biomineral architecture of red coral (<i>Corallium rubrum</i>). <i>American Mineralogist</i> , 2008, 93, 1799-1815.	1.9	78
14	The Impact of Diving on Rocky Sublittoral Communities: A Case Study of a Bryozoan Population. <i>Conservation Biology</i> , 1998, 12, 302-312.	4.7	75
15	Community structure and frond size distribution of a deep water stand of <i>Cystoseira spinosa</i> (Phaeophyta) in the Northwestern Mediterranean. <i>European Journal of Phycology</i> , 1998, 33, 121-128.	2.0	73
16	Growth of <i>Mesophyllum alternans</i> and <i>Lithophyllum frondosum</i> (Corallinales, Rhodophyta) in the northwestern Mediterranean. <i>European Journal of Phycology</i> , 2000, 35, 1-10.	2.0	73
17	Temperature Anomalies and Mortality Events in Marine Communities: Insights on Factors behind Differential Mortality Impacts in the NW Mediterranean. <i>PLoS ONE</i> , 2011, 6, e23814.	2.5	72
18	A fast-moving target: achieving marine conservation goals under shifting climate and policies. <i>Ecological Applications</i> , 2020, 30, e02009.	3.8	71

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19	Transient Shifts in Bacterial Communities Associated with the Temperate Gorgonian <i>Paramuricea clavata</i> in the Northwestern Mediterranean Sea. <i>PLoS ONE</i> , 2013, 8, e57385.	2.5	68
20	Exploring the effects of invasive algae on the persistence of gorgonian populations. <i>Biological Invasions</i> , 2012, 14, 2647-2656.	2.4	66
21	Copernicus Marine Service Ocean State Report, Issue 3. <i>Journal of Operational Oceanography</i> , 2019, 12, S1-S123.	1.2	66
22	Low Dynamics, High Longevity and Persistence of Sessile Structural Species Dwelling on Mediterranean Coralligenous Outcrops. <i>PLoS ONE</i> , 2011, 6, e23744.	2.5	66
23	Landscape pattern indices applied to Mediterranean subtidal rocky benthic communities. <i>Landscape Ecology</i> , 1998, 13, 225-247.	4.2	59
24	Rapid Biodiversity Assessment and Monitoring Method for Highly Diverse Benthic Communities: A Case Study of Mediterranean Coralligenous Outcrops. <i>PLoS ONE</i> , 2011, 6, e27103.	2.5	58
25	Multiple Processes Regulate Long-Term Population Dynamics of Sea Urchins on Mediterranean Rocky Reefs. <i>PLoS ONE</i> , 2012, 7, e36901.	2.5	54
26	Evidence for host specificity among dominant bacterial symbionts in temperate gorgonian corals. <i>Coral Reefs</i> , 2015, 34, 1087-1098.	2.2	48
27	Multilevel modular mesocrystalline organization in red coral. <i>American Mineralogist</i> , 2010, 95, 242-248.	1.9	47
28	Distribution of sulphur and magnesium in the red coral. <i>Chemical Geology</i> , 2013, 355, 13-27.	3.3	47
29	The Yellow Gorgonian <i>Eunicella cavolini</i> : Demography and Disturbance Levels across the Mediterranean Sea. <i>PLoS ONE</i> , 2015, 10, e0126253.	2.5	46
30	Structure and biodiversity of coralligenous assemblages over broad spatial and temporal scales. <i>Marine Biology</i> , 2015, 162, 901-912.	1.5	46
31	Accounting for Life-History Strategies and Timescales in Marine Restoration. <i>Conservation Letters</i> , 2018, 11, e12341.	5.7	45
32	Physiological response of the symbiotic gorgonian <i>Eunicella singularis</i> to a long-term temperature increase. <i>Journal of Experimental Biology</i> , 2009, 212, 3007-3015.	1.7	43
33	Climate change transforms the functional identity of Mediterranean coralligenous assemblages. <i>Ecology Letters</i> , 2021, 24, 1038-1051.	6.4	43
34	Experimental evidence of the synergistic effects of warming and invasive algae on a temperate reef-builder coral. <i>Scientific Reports</i> , 2015, 5, 18635.	3.3	39
35	Combining Genetic and Demographic Data for the Conservation of a Mediterranean Marine Habitat-Forming Species. <i>PLoS ONE</i> , 2015, 10, e0119585.	2.5	38
36	Assessing the Effectiveness of Marine Reserves on Unsustainably Harvested Long-Lived Sessile Invertebrates. <i>Conservation Biology</i> , 2012, 26, 88-96.	4.7	36

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37	Potential for adaptive evolution at species range margins: contrasting interactions between red coral populations and their environment in a changing ocean. <i>Ecology and Evolution</i> , 2015, 5, 1178-1192.	1.9	36
38	Warming impacts on early life stages increase the vulnerability and delay the population recovery of a long-lived habitat-forming macroalga. <i>Journal of Ecology</i> , 2019, 107, 1129-1140.	4.0	33
39	An integrated method to evaluate and monitor the conservation state of coralligenous habitats: The INDEX-COR approach. <i>Marine Pollution Bulletin</i> , 2017, 120, 222-231.	5.0	30
40	Does thermal history influence the tolerance of temperate gorgonians to future warming?. <i>Marine Environmental Research</i> , 2013, 89, 45-52.	2.5	26
41	Strong linkages between depth, longevity and demographic stability across marine sessile species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172688.	2.6	26
42	Harvesting Effects, Recovery Mechanisms, and Management Strategies for a Long-Lived and Structural Precious Coral. <i>PLoS ONE</i> , 2015, 10, e0117250.	2.5	25
43	Response diversity in Mediterranean coralligenous assemblages facing climate change: Insights from a multispecific thermotolerance experiment. <i>Ecology and Evolution</i> , 2019, 9, 4168-4180.	1.9	25
44	Population structure and conservation status of the red gorgonian <i>Paramuricea clavata</i> (Risso, 1826) in the Eastern Adriatic Sea. <i>Marine Ecology</i> , 2015, 36, 982-993.	1.1	24
45	Divergent responses to warming of two common co-occurring Mediterranean bryozoans. <i>Scientific Reports</i> , 2018, 8, 17455.	3.3	24
46	Needs and Gaps in Optical Underwater Technologies and Methods for the Investigation of Marine Animal Forest 3D-Structural Complexity. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	24
47	Marine protected areas enhance structural complexity but do not buffer the consequences of ocean warming for an overexploited precious coral. <i>Journal of Applied Ecology</i> , 2019, 56, 1063-1074.	4.0	20
48	Mediterranean rocky reefs in the Anthropocene: Present status and future concerns. <i>Advances in Marine Biology</i> , 2021, 89, 1-51.	1.4	20
49	Demographic responses to warming: reproductive maturity and sex influence vulnerability in an octocoral. <i>Coral Reefs</i> , 2015, 34, 1207-1216.	2.2	18
50	Postglacial range expansion shaped the spatial genetic structure in a marine habitat-forming species: Implications for conservation plans in the Eastern Adriatic Sea. <i>Journal of Biogeography</i> , 2018, 45, 2645-2657.	3.0	17
51	Sliding Toward the Collapse of Mediterranean Coastal Marine Rocky Ecosystems. <i>Ecological Studies</i> , 2021, , 291-324.	1.2	16
52	An integrated assessment of the Good Environmental Status of Mediterranean Marine Protected Areas. <i>Journal of Environmental Management</i> , 2022, 305, 114370.	7.8	16
53	<i>Cystoseira jabukae</i> (Cystoseiraceae, Fucophyceae) from Corsica (Mediterranean) with notes on the previously misunderstood species <i>C. funkii</i> . <i>Phycologia</i> , 1999, 38, 77-86.	1.4	14
54	Photogrammetric Surveys and Geometric Processes to Analyse and Monitor Red Coral Colonies. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 42.	2.6	13

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55	Population collapse of habitat-forming species in the Mediterranean: a long-term study of gorgonian populations affected by recurrent marine heatwaves. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20212384.	2.6	12
56	Assessing the impact of population decline on mating system in the overexploited Mediterranean red coral. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 1149-1159.	2.0	11
57	Molecular forensics in the precious Mediterranean red coral, <i>Corallium rubrum</i> : testing DNA extraction and microsatellite genotyping using dried colonies. <i>Conservation Genetics Resources</i> , 2013, 5, 327-330.	0.8	8
58	Demo-Genetic Approach for the Conservation and Restoration of a Habitat-Forming Octocoral: The Case of Red Coral, <i>Corallium rubrum</i> , in the Réserve Naturelle de Scandola. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	7
59	Lead (Pb) profiles in red coral skeletons as high resolution records of pollution in the Mediterranean Sea. <i>Chemical Geology</i> , 2019, 525, 112-124.	3.3	6
60	The Genome Sequence of the Octocoral <i>Paramuricea clavata</i> – A Key Resource To Study the Impact of Climate Change in the Mediterranean. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 2941-2952.	1.8	6
61	Overview on the distribution of gorgonian species in Tunisian marine coastal waters (central) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	6
62	In situ Underwater Measurements of Red Coral: Non-Intrusive Approach Based on Coded Targets and Photogrammetry. <i>International Journal of Heritage in the Digital Era</i> , 2014, 3, 123-139.	0.5	5
63	Gradients of genetic diversity and differentiation across the distribution range of a Mediterranean coral: Patterns, processes and conservation implications. <i>Diversity and Distributions</i> , 2021, 27, 2104-2123.	4.1	5
64	The zooxanthellate scleractinian coral <i>Oulastrea crispata</i> (Lamarck, 1816), an overlooked newcomer in the Mediterranean Sea?. <i>Mediterranean Marine Science</i> , 2019, 19, 589.	1.6	3
65	Rapid recovery from injuries in the temperate long-lived coral <i>Cladocora caespitosa</i> . <i>Marine Biodiversity</i> , 2015, 45, 135-137.	1.0	2
66	Exploring the genetic diversity and the population structure of the mesophotic <i>Paramuricea macrospina</i> in the Menorca Channel. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 219, 444-452.	2.1	1