JosÃ© Carlos HernÃ¡ndez

List of Publications by Year
in descending order

74 papers	1,634 citations	304743 22 h-index	315739 38 g-index
76 all docs	76 docs citations	76 times ranked	1784 citing authors

#	Article	IF	Citations
1	Herbarium macroalgae specimens reveal a rapid reduction of thallus size and reproductive effort related with climate change. Marine Environmental Research, 2022, 174, 105546.	2.5	3
2	Influence of Winter Storms on the Sea Urchin Pathogen Assemblages. Frontiers in Marine Science, 2022, 9, .	2.5	0
3	Early developmental stages of the sea urchin <i>Sphaerechinus granularis</i> (Lamarck, 1816) (Echinoidea: Toxopneustidae). Marine Biology Research, 2022, 18, 266-277.	0.7	1
4	Chemical characterization of the Punta de Fuencaliente CO₂-enriched system (La Palma, NE Atlantic Ocean): a new natural laboratory for ocean acidification studies. Biogeosciences, 2021, 18, 1673-1687.	3.3	7
5	Fast climatic changes place an endemic Canary Island macroalga at extinction risk. Regional Environmental Change, 2021, 21, 1.	2.9	10
6	First observations of the sea urchin Eucidaris tribuloides (Lamarck, 1816) in the Canary Islands. Scientia Insularum Revista De Ciencias Naturales En Islas, 2021, 4, 219-221.	0.1	0
7	Cronius ruber (Lamarck, 1818), un nuevo decÃ¡podo en los fondos someros de Canarias. Scientia Insularum Revista De Ciencias Naturales En Islas, 2021, 4, 125-142.	0.1	0
8	Macrorhynchia philippina Kirchenpauer, 1872: an invasive hydrozoan seen in the shallow rocky reefs of Tenerife Island. Scientia Insularum Revista De Ciencias Naturales En Islas, 2021, 4, 215-217.	0.1	0
9	Modeling the role of marine protected areas on the recovery of shallow rocky reef ecosystem after a catastrophic submarine volcanic eruption. Marine Environmental Research, 2020, 155, 104877.	2.5	10
10	Sea urchins in a high CO2 world: Impacts of climate warming and ocean acidification across life history stages. Developments in Aquaculture and Fisheries Science, 2020, , 281-297.	1.3	28
11	Planktonic stages of the ecologically important sea urchin, Diadema africanum: larval performance under near future ocean conditions. Journal of Plankton Research, 2020, 42, 286-304.	1.8	4
12	Uncommon southwest swells trigger sea urchin disease outbreaks in Eastern Atlantic archipelagos. Ecology and Evolution, 2020, 10, 7963-7970.	1.9	12
13	Effects of long-term exposure to reduced pH conditions on the shell and survival of an intertidal gastropod. Marine Environmental Research, 2019, 152, 104789.	2.5	9
14	Estimating survival in echinoid populations. Zoosymposia, 2019, 15, 23-32.	0.3	1
15	Macroalgal response to a warmer ocean with higher CO2 concentration. Marine Environmental Research, 2018, 136, 99-105.	2.5	10
16	Size, growth, and density data for shallow-water sea urchins from Mexico to the Aleutian Islands, Alaska, 1956-2016. Ecology, 2018, 99, 761-761.	3.2	9
17	Shallow subtidal macroalgae in the North-eastern Atlantic archipelagos (Macaronesian region): a spatial approach to community structure. European Journal of Phycology, 2018, 53, 83-98.	2.0	27
18	Effects of natural current pH variability on the sea urchin Paracentrotus lividus larvae development and settlement. Marine Environmental Research, 2018, 139, 11-18.	2.5	23

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19	Robustness of larval development of intertidal sea urchin species to simulated ocean warming and acidification. Marine Environmental Research, 2018, 139, 35-45.	2.5	24
20	Tetraspore germination of two vulnerable marine algae,<i>Gelidium canariense</i>and<i>G. arbusculum</i>(Rhodophyta, Gelidiales). Botanica Marina, 2018, 61, 111-114.	1.2	1
21	The Importance of Natural Acidified Systems in the Study of Ocean Acidification: What Have We Learned?. Advances in Marine Biology, 2018, 80, 57-99.	1.4	49
22	The sea urchin<i>Diadema africanum</i>uses low resolution vision to find shelter and deter enemies. Journal of Experimental Biology, 2018, 221, .	1.7	31
23	Effects of ocean acidification on algae growth and feeding rates of juvenile sea urchins. Marine Environmental Research, 2018, 140, 382-389.	2.5	17
24	Welcome to the New Journal Scientia Insularum / Islands Science. Scientia Insularum Revista De Ciencias Naturales En Islas, 2018, , 9-10.	0.1	0
25	Varying Conditions in Intertidal Pools: High Resolution pH Dynamics and Primary Production. Scientia Insularum Revista De Ciencias Naturales En Islas, 2018, , 123-138.	0.1	0
26	Elasmobranch Bycatch on Artisanal Trammel Net Fishery in the Canary Islands. Scientia Insularum Revista De Ciencias Naturales En Islas, 2018, , 87-102.	0.1	1
27	Nutritional, structural and chemical defenses of common algae species against juvenile sea urchins. Marine Biology, 2017, 164, 1.	1.5	7
28	Effects of ocean acidification on juveniles sea urchins: Predator-prey interactions. Journal of Experimental Marine Biology and Ecology, 2017, 493, 31-40.	1.5	22
29	Morphological and phenological reexamination of the threatened endemic species Gelidium canariense (Gelidiales, Rhodophyta) from the Canary Islands. Botanica Marina, 2017, 60, .	1.2	7
30	Influencia humana en las fluctuaciones poblacionales de erizos de mar. Revista De Biologia Tropical, 2017, 65, 23.	0.4	5
31	Efficiency of calcein tagging on juveniles of the sea urchins <i>DiademaÂafricanum</i> and <i>ParacentrotusÂlividus</i>. Marine Ecology, 2016, 37, 463-469.	1.1	6
32	Effects of spine damage and microhabitat on resource allocation of the purple sea urchin Strongylocentrotus purpuratus (Stimpson 1857). Journal of Experimental Marine Biology and Ecology, 2016, 482, 106-117.	1.5	17
33	A new CO 2 vent for the study of ocean acidification in the Atlantic. Marine Pollution Bulletin, 2016, 109, 419-426.	5.0	11
34	Seaweed community response to a massive CO2 input. Estuarine, Coastal and Shelf Science, 2016, 178, 48-57.	2.1	2
35	Efficiency of artificial collectors for quantitative assessment of sea urchin settlement rates. Scientia Marina, 2016, 80, 207-216.	0.6	3
36	Ocean warming modulates the effects of limited food availability on Paracentrotus lividus larval development. Marine Biology, 2015, 162, 1463-1472.	1.5	14

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37	Ocean warming ameliorates the negative effects of ocean acidification on Paracentrotus lividus larval development and settlement. Marine Environmental Research, 2015, 110, 61-68.	2.5	27
38	Robustness of Paracentrotus lividus larval and post-larval development to pH levels projected for the turn of the century. Marine Biology, 2015, 162, 2047-2055.	1.5	19
39	Global regime shift dynamics of catastrophic sea urchin overgrazing. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20130269.	4.0	376
40	Annual reversible plasticity of feeding structures: cyclical changes of jaw allometry in a sea urchin. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132284.	2.6	13
41	Spatial variability, structure and composition of crustose algal communities in Diadema africanum barrens. Helgoland Marine Research, 2014, 68, 451-464.	1.3	9
42	Contrasting the species abundance, species density and diversity of seaweed assemblages in alternative states: Urchin density as a driver of biotic homogenization. Journal of Sea Research, 2014, 85, 92-103.	1.6	22
43	Sea urchin Diadema africanum mass mortality in the subtropical eastern Atlantic: role of waterborne bacteria in a warming ocean. Marine Ecology - Progress Series, 2014, 506, 1-14.	1.9	49
44	Impacts of fishing and environmental factors driving changes on littoral fish assemblages in a subtropical oceanic island. Estuarine, Coastal and Shelf Science, 2013, 128, 22-32.	2.1	14
45	Half a century (1954â€"2009) of dissection data of sea urchins from the North American Pacific coast (Mexicoâ€"Canada). Ecology, 2013, 94, 2109-2110.	3.2	7
46	Predators of juvenile sea urchins and the effect of habitat refuges. Marine Biology, 2013, 160, 579-590.	1.5	46
47	Echinoderms of the Canary Islands, Spain. , 2013, , 471-510.		11
48	Latin America Echinoderm Biodiversity and Biogeography: Patterns and Affinities. , 2013, , 511-542.		10
49	A new species of <i>Diadema</i> (Echinodermata: Echinoidea: Diadematidae) from the eastern Atlantic Ocean and a neotype designation of <i>Diadema antillarum</i> (Philippi, 1845). Zootaxa, 2013, 3636, 144.	0.5	34
50	A new species of Diadema (Echinodermata: Echinoidea: Diadematidae) from the eastern Atlantic Ocean and a neotype designation of Diadema antillarum (Philippi, 1845). Zootaxa, 2013, 3636, 144-70.	0.5	10
51	No-take areas as an effective tool to restore urchin barrens on subtropical rocky reefs. Estuarine, Coastal and Shelf Science, 2012, 112, 207-215.	2.1	31
52	Ocean conditions and bottom-up modifications of gonad development in the sea urchin Strongylocentrotus purpuratus over space and time. Marine Ecology - Progress Series, 2012, 467, 147-166.	1.9	8
53	A mass mortality of subtropical intertidal populations of the sea urchin <i>Paracentrotus lividus</i>: analysis of potential links with environmental conditions. Marine Ecology, 2012, 33, 377-385.	1.1	44
54	On the occurrence of the hydrocoral Millepora (Hydrozoa: Milleporidae) in the subtropical eastern Atlantic (Canary Islands): is the colonization related to climatic events?. Coral Reefs, 2011, 30, 237-240.	2.2	27

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55	Problems of the gonad index and what can be done: analysis of the purple sea urchin Strongylocentrotus purpuratus. Marine Biology, 2011, 158, 47-58.	1.5	35
56	Effects of seasonality on the reproductive cycle of Diadema aff. antillarum in two contrasting habitats: implications for the establishment of a sea urchin fishery. Marine Biology, 2011, 158, 2603-2615.	1.5	21
57	Context-dependent effects of marine protected areas on predatory interactions. Marine Ecology - Progress Series, 2011, 437, 119-133.	1.9	31
58	Contrasting effects of protection from harvesting in populations of two limpet species in a recently established marine protected area. Scientia Marina, 2011, .	0.6	5
59	Substratum cavities affect growth-plasticity, allometry, movement and feeding rates in the sea urchin<i>Strongylocentrotus purpuratus</i>. Journal of Experimental Biology, 2010, 213, 520-525.	1.7	37
60	Identifying keystone predators and the importance of preserving functional diversity in sublittoral rocky-bottom areas. Marine Ecology - Progress Series, 2010, 413, 55-67.	1.9	73
61	Effect of temperature on settlement and postsettlement survival in a barrens-forming sea urchin. Marine Ecology - Progress Series, 2010, 413, 69-80.	1.9	54
62	Evidence of the topâ€"down role of predators in structuring sublittoral rocky-reef communities in a Marine Protected Area and nearby areas of the Canary Islands. ICES Journal of Marine Science, 2009, 66, 64-71.	2.5	32
63	Actual status of the sea urchin <i>Diadema</i> aff. <i>antillarum</i> populations and macroalgal cover in marine protected areas compared to a highly fished area (Canary Islandsâ€"eastern Atlantic) Tj ETQq1 1 0.784314 rg BT /Overlo	2.8	38
64	The key role of the sea urchin Diadema aff. antillarum in controlling macroalgae assemblages throughout the Canary Islands (eastern subtropical Atlantic): An spatio-temporal approach. Marine Environmental Research, 2008, 66, 259-270.	2.5	80
65	An external tagging technique for the long-spined sea urchin Diadema aff. antillarum. Journal of the Marine Biological Association of the United Kingdom, 2007, 87, 777-779.	0.8	19
66	Predation upon <i>Diadema</i> aff. <i>Zantillarum</i> in barren grounds in the Canary Islands. Scientia Marina, 2007, 71, 745-754.	0.6	37
67	Is there a link between the type of habitat and the patterns of abundance of holothurians in shallow rocky reefs?. Hydrobiologia, 2006, 571, 191-199.	2.0	16
68	Spatial and seasonal variation of the gonad index of <i>Diadema antillarum</i> (Echinodermata:Echinoidea) in the Canary Islands. Scientia Marina, 2006, 70, 689-698.	0.6	23
69	The small polychaete Platynereis dumerilii revealed as a large species complex with fourteen MOTUs in European marine habitats. ARPHA Conference Abstracts, 0, 4, .	0.0	2
70	Recurrent largeâ€scale sea urchin mass mortality and the establishment of a longâ€lasting alternative macroalgaeâ€dominated community state. Limnology and Oceanography, 0, , .	3.1	7
71	ComparaciÃ³n de dos mÃ©todos de muestreo visual de peces de arrecifes coralinos en la BahÃa de Murdeira, isla de Sal, Cabo Verde. Scientia Insularum Revista De Ciencias Naturales En Islas, 0, 2, 83-119.	0.1	0
72	Modelo trÃ³fico del ecosistema rocoso litoral de la isla de El Hierro, islas Canarias. Scientia Insularum Revista De Ciencias Naturales En Islas, 0, 2, 121-150.	0.1	0

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73	Gelidiales (Rhodophyta) in the Canary Islands: previous studies and future perspectives. Scientia Insularum Revista De Ciencias Naturales En Islas, 0, 2, 153-181.	0.1	1
74	CHEMICAL CHARACTERIZATION OF A NEW ACIDIFIED REGION TO STUDY OCEAN ACIDIFICATION IN SUBTROPICAL ECOSYSTEMS. Frontiers in Marine Science, 0, 6, .	2.5	0