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	Global regime shift dynamics of catastrophic sea urchin overgrazing. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20130269.	4.0	376
2	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
3	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
4	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
5	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
6	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
7	Predators of juvenile sea urchins and the effect of habitat refuges. Marine Biology, 2013, 160, 579-590.	1.5	46
8	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
9	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
10	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
11	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
12	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
13	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
14	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 ETQq0 0 0 rg BT /Overlock 10 Tf	2.0	31
15	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
16	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
17	Context-dependent effects of marine protected areas on predatory interactions. Marine Ecology - Progress Series, 2011, 437, 119-133.	1.9	31
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	Effects of ocean acidification on algae growth and feeding rates of juvenile sea urchins. Marine Environmental Research, 2018, 140, 382-389.	2.5	17
32	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
33	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
34	Ocean warming modulates the effects of limited food availability on Paracentrotus lividus larval development. Marine Biology, 2015, 162, 1463-1472.	1.5	14
35	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
36	Uncommon southwest swells trigger sea urchin disease outbreaks in Eastern Atlantic archipelagos. Ecology and Evolution, 2020, 10, 7963-7970.	1.9	12

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37	Echinoderms of the Canary Islands, Spain. , 2013, , 471-510.		11
38	A new CO 2 vent for the study of ocean acidification in the Atlantic. Marine Pollution Bulletin, 2016, 109, 419-426.	5.0	11
39	Latin America Echinoderm Biodiversity and Biogeography: Patterns and Affinities. , 2013, , 511-542.		10
40	Macroalgal response to a warmer ocean with higher CO2 concentration. Marine Environmental Research, 2018, 136, 99-105.	2.5	10
41	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
42	Fast climatic changes place an endemic Canary Island macroalga at extinction risk. Regional Environmental Change, 2021, 21, 1.	2.9	10
43	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
44	Spatial variability, structure and composition of crustose algal communities in Diadema africanum barrens. Helgoland Marine Research, 2014, 68, 451-464.	1.3	9
45	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
46	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
47	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
48	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
49	Nutritional, structural and chemical defenses of common algae species against juvenile sea urchins. Marine Biology, 2017, 164, 1.	1.5	7
50	Morphological and phenological reexamination of the threatened endemic species Gelidium canariense (Gelidiales, Rhodophyta) from the Canary Islands. Botanica Marina, 2017, 60, .	1.2	7
51	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
52	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
53	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
54	Influencia humana en las fluctuaciones poblacionales de erizos de mar. Revista De Biologia Tropical, 2017, 65, 23.	0.4	5

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55	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
56	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
57	Efficiency of artificial collectors for quantitative assessment of sea urchin settlement rates. Scientia Marina, 2016, 80, 207-216.	0.6	3
58	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
59	Seaweed community response to a massive CO2 input. Estuarine, Coastal and Shelf Science, 2016, 178, 48-57.	2.1	2
60	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
61	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
62	Estimating survival in echinoid populations. Zoosymposia, 2019, 15, 23-32.	0.3	1
63	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
64	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
65	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
66	Welcome to the New Journal Scientia Insularum / Islands Science. Scientia Insularum Revista De Ciencias Naturales En Islas, 2018, , 9-10.	0.1	0
67	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
68	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
69	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
70	CHEMICAL CHARACTERIZATION OF A NEW ACIDIFIED REGION TO STUDY OCEAN ACIDIFICATION IN SUBTROPICAL ECOSYSTEMS. Frontiers in Marine Science, 0, 6, .	2.5	0
71	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
72	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

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73	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
74	Influence of Winter Storms on the Sea Urchin Pathogen Assemblages. Frontiers in Marine Science, 2022, 9, .	2.5	0