Celia Olabarria

List of Publications by Year
in descending order

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82	1,990	218677	289244
papers	citations	26 h-index	40 g-index

85	85	85	2178
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ecoâ€engineering urban infrastructure for marine and coastal biodiversity: Which interventions have the greatest ecological benefit?. Journal of Applied Ecology, 2018, 55, 426-441.	4.0	160
2	Harnessing positive species interactions as a tool against climate-driven loss of coastal biodiversity. PLoS Biology, 2018, 16, e2006852.	5.6	91
3	Effects of habitat structure and tidal height on epifaunal assemblages associated with macroalgae. Estuarine, Coastal and Shelf Science, 2010, 89, 43-52.	2.1	78
4	Succession of macrofauna on macroalgal wrack of an exposed sandy beach: Effects of patch size and site. Marine Environmental Research, 2007, 63, 19-40.	2.5	74
5	Appropriate experimental design to evaluate preferences for microhabitat: an example of preferences by species of microgastropods. Oecologia, 2002, 132, 159-166.	2.0	71
6	Differential effects of native and invasive algal wrack on macrofaunal assemblages inhabiting exposed sandy beaches. Journal of Experimental Marine Biology and Ecology, 2008, 358, 1-13.	1.5	67
7	Limited impact of Sargassum muticum on native algal assemblages from rocky intertidal shores. Marine Environmental Research, 2009, 67, 153-158.	2.5	54
8	Comparison of patterns of spatial variation of microgastropods between 2 contrasting intertidal habitats. Marine Ecology - Progress Series, 2001, 220, 201-211.	1.9	51
9	Response of macroalgal assemblages from rockpools to climate change: effects of persistent increase in temperature and CO₂. Oikos, 2013, 122, 1065-1079.	2.7	50
10	Variability of epifaunal assemblages associated with native and invasive macroalgae. Marine and Freshwater Research, 2010, 61, 724.	1.3	48
11	Patterns of bathymetric zonation of bivalves in the Porcupine Seabight and adjacent Abyssal plain, NE Atlantic. Deep-Sea Research Part I: Oceanographic Research Papers, 2005, 52, 15-31.	1.4	47
12	Do grazers prefer invasive seaweeds?. Journal of Experimental Marine Biology and Ecology, 2010, 393, 182-187.	1.5	42
13	Responses to salinity stress in bivalves: Evidence of ontogenetic changes in energetic physiology on Cerastoderma edule. Scientific Reports, 2018, 8, 8329.	3.3	41
14	Bathymetric zonation and diversity gradient of gastropods and bivalves in West Antarctica from the South Shetland Islands to the Bellingshausen Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2008, 55, 350-368.	1.4	40
15	Role of colonization in spatio-temporal patchiness of microgastropods in coralline turf habitat. Journal of Experimental Marine Biology and Ecology, 2002, 274, 121-140.	1.5	37
16	Contrasting responsiveness of four ecologically and economically important bivalves to simulated heat waves. Marine Environmental Research, 2021, 164, 105229.	2.5	37
17	Latitudinal and bathymetric trends in body size of the deep-sea gastropod Troschelia berniciensis (King). Marine Biology, 2003, 143, 723-730.	1.5	35
18	Intraspecific diet shift in Talitrus saltator inhabiting exposed sandy beaches. Estuarine, Coastal and Shelf Science, 2009, 84, 282-288.	2.1	35

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19	Response of Two Mytilids to a Heatwave: The Complex Interplay of Physiology, Behaviour and Ecological Interactions. PLoS ONE, 2016, 11, e0164330.	2.5	34
20	Niche segregation in sandy beach animals: an analysis with surface-active peracarid crustaceans on the Atlantic coast of Spain. Marine Biology, 2010, 157, 613-625.	1.5	33
21	The trophic significance of the invasive seaweed Sargassum muticum in sandy beaches. Journal of Sea Research, 2010, 63, 52-61.	1.6	33
22	Analysis of Four Macroalgal Assemblages along the Pacific Mexican Coast during and after the 1997-98 El NiÃ±o. Ecosystems, 2002, 5, 749-760.	3.4	31
23	Sublethal responses of four commercially important bivalves to low salinity. Ecological Indicators, 2020, 111, 106031.	6.3	31
24	Faunal change and bathymetric diversity gradient in deep-sea prosobranchs from Northeastern Atlantic. Biodiversity and Conservation, 2006, 15, 3685-3702.	2.6	28
25	Does Carcinus maenas facilitate the invasion of Xenostrobus securis?. Journal of Experimental Marine Biology and Ecology, 2011, 406, 14-20.	1.5	28
26	Shifts from native to non-indigenous mussels: Enhanced habitat complexity and its effects on faunal assemblages. Marine Environmental Research, 2013, 90, 85-95.	2.5	28
27	Sandy Beaches as Biogeochemical Hotspots: The Metabolic Role of Macroalgal Wrack on Low-productive Shores. Ecosystems, 2019, 22, 49-63.	3.4	27
28	Ecological interactions modulate responses of two intertidal mussel species to changes in temperature and pH. Journal of Experimental Marine Biology and Ecology, 2016, 474, 116-125.	1.5	26
29	Effects of macroalgal identity on epifaunal assemblages: native species versus the invasive species Sargassum muticum. Helgoland Marine Research, 2012, 66, 159-166.	1.3	25
30	Behavioral responses of three venerid bivalves to fluctuating salinity stress. Journal of Experimental Marine Biology and Ecology, 2020, 522, 151256.	1.5	25
31	Semantic segmentation of major macroalgae in coastal environments using high-resolution ground imagery and deep learning. International Journal of Remote Sensing, 2021, 42, 1785-1800.	2.9	25
32	The effect of wrack composition and diversity on macrofaunal assemblages in intertidal marine sediments. Journal of Experimental Marine Biology and Ecology, 2010, 396, 18-26.	1.5	23
33	Neighbourhood competition in coexisting species: The native Cystoseira humilis vs the invasive Sargassum muticum. Journal of Experimental Marine Biology and Ecology, 2014, 454, 32-41.	1.5	23
34	Propagule pressure and functional diversity: interactive effects on a macroalgal invasion process. Marine Ecology - Progress Series, 2012, 471, 51-60.	1.9	22
35	Distribution of Sargassum muticum on the North West coast of Spain: Relationships with urbanization and community diversity. Continental Shelf Research, 2011, 31, 488-495.	1.8	20
36	Reproduction Under Stress: Acute Effect of Low Salinities and Heat Waves on Reproductive Cycle of Four Ecologically and Commercially Important Bivalves. Frontiers in Marine Science, 2021, 8, .	2.5	20

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37	Response of the invader Sargassum muticum to variability in nutrient supply. Marine Ecology - Progress Series, 2009, 377, 91-101.	1.9	19
38	Functional diversity and climate change: effects on the invasibility of macroalgal assemblages. Biological Invasions, 2013, 15, 1833-1846.	2.4	19
39	Susceptibility of two co-existing mytilid species to simulated predation under projected climate change conditions. Hydrobiologia, 2018, 807, 247-261.	2.0	19
40	Effects of detrital non-native and native macroalgae on the nitrogen and carbon cycling in intertidal sediments. Marine Biology, 2011, 158, 2705-2715.	1.5	18
41	Invasion of Sargassum muticum in intertidal rockpools: Patterns along the Atlantic Iberian Peninsula. Marine Environmental Research, 2013, 90, 18-26.	2.5	18
42	Ecosystem functioning impacts of the invasive seaweed <scp>S</scp>argassum muticum (<scp>F</scp>ucales, <scp>P</scp>haeophyceae). Journal of Phycology, 2014, 50, 108-116.	2.3	18
43	Alteration of Macroalgal Subsidies by Climate-Associated Stressors Affects Behavior of Wrack-Reliant Beach Consumers. Ecosystems, 2015, 18, 428-440.	3.4	18
44	The Role of Biofilms Developed under Different Anthropogenic Pressure on Recruitment of Macro-Invertebrates. International Journal of Molecular Sciences, 2020, 21, 2030.	4.1	18
45	Epibiont molluscs on neogastropod shells from sandy bottoms, Pacific coast of Mexico. Journal of the Marine Biological Association of the United Kingdom, 2000, 80, 291-298.	0.8	17
46	Biotic resistance and facilitation of a non-indigenous mussel vary with environmental context. Marine Ecology - Progress Series, 2014, 506, 163-173.	1.9	17
47	Inconsistency in short-term temporal variability of microgastropods within and between two different intertidal habitats. Journal of Experimental Marine Biology and Ecology, 2002, 269, 85-100.	1.5	16
48	Feeding behaviour of an intertidal snail: Does past environmental stress affect predator choices and prey vulnerability?. Journal of Sea Research, 2015, 97, 66-74.	1.6	16
49	Spotting intruders: Species distribution models for managing invasive intertidal macroalgae. Journal of Environmental Management, 2021, 281, 111861.	7.8	16
50	Selection of habitat by a marine amphipod. Marine Ecology, 2014, 35, 103-110.	1.1	15
51	Heatwaves during low tide are critical for the physiological performance of intertidal macroalgae under global warming scenarios. Scientific Reports, 2020, 10, 21408.	3.3	15
52	Combined effects of wrack identity and solar radiation on associated beach macrofaunal assemblages. Marine Ecology - Progress Series, 2015, 531, 167-178.	1.9	12
53	Importance of phenotypic plastic traits on invasion success: response of Xenostrobus securis to the predatory dogwhelk Nucella lapillus. Marine Ecology - Progress Series, 2016, 560, 185-198.	1.9	12
54	PATTERNS OF MORPHOLOGICAL VARIATION OF THE DEEP-SEA GASTROPOD TROSCHELIA BERNICIENSIS (KING,) Tj ETQq0 0 0 rgBT /Ove 59-66.	1.2	11

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55	Role of top-down and bottom-up forces on the invasibility of intertidal macroalgal assemblages. Journal of Sea Research, 2013, 76, 178-186.	1.6	11
56	Trade-Offs and Synergies Between Seagrass Ecosystems and Fishing Activities: A Global Literature Review. Frontiers in Marine Science, 2022, 9, .	2.5	11
57	Spatio-temporal changes in the trophic structure of Rocky intertidal mollusc assemblages on a Tropical shore. Ciencias Marinas, 2001, 27, 235-254.	0.4	10
58	Loss of surficial sedimentary carbon stocks in seagrass meadows subjected to intensive clam harvesting. Marine Environmental Research, 2022, 175, 105570.	2.5	10
59	Coexistence of congeneric native and invasive species: The case of the green algae Codium spp. in northwestern Spain. Marine Environmental Research, 2014, 101, 135-144.	2.5	9
60	Use of hierarchical designs to detect scales of heterogeneity in the invasive species Sargassum muticum. Scientia Marina, 2009, 73, 507-514.	0.6	9
61	Physiological responses to variations in grazing and light conditions in native and invasive fucoids. Marine Environmental Research, 2018, 139, 151-161.	2.5	8
62	Effectiveness of two western Iberian Peninsula marine protected areas in reducing the risk of macroalgae invasion. Ecological Indicators, 2020, 108, 105705.	6.3	8
63	Differential responses of trailing-edge populations of a foundation alga to thermal stress. European Journal of Phycology, 2021, 56, 373-388.	2.0	8
64	Spatial patterns of benthic diversity in molluscs from West Antarctica. Antarctic Science, 2009, 21, 341.	0.9	7
65	Spatio-temporal dynamics of Codium populations along the rocky shores of N and NW Spain. Marine Environmental Research, 2018, 140, 394-402.	2.5	7
66	Reproductive strategies of two deep-sea gastropod species from the Porcupine Seabight (Northeast) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.5	6
67	Aspects of the distribution, population structure and reproduction of the gastropod Tibia delicatula (Nevill, 1881) inhabiting the oxygen minimum zone of the Oman and Pakistan continental margins. Journal of Sea Research, 2005, 54, 299-306.	1.6	6
68	Marine research in the Iberian Peninsula: A pledge for better times after an economic crisis. Journal of Sea Research, 2013, 83, 1-8.	1.6	6
69	Reproductive plasticity in the invasive -Xenostrobus securis (Bivalvia: Mytiloidea) in northwestern Spain. Journal of Sea Research, 2020, 159, 101893.	1.6	6
70	Dynamics and processes influencing recruitment of the invasive mussel Xenostrobus securis and the coexisting indigenous Mytilus galloprovincialis in north-western Spain. Aquatic Invasions, 2021, 16, 391-414.	1.6	6
71	Predation risk increases in estuarine bivalves stressed by low salinity. Marine Biology, 2021, 168, 132.	1.5	6
72	Resilience and Social Adaptation to Climate Change Impacts in Small-Scale Fisheries. Frontiers in Marine Science, 2022, 9, .	2.5	6

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73	Title is missing!. Hydrobiologia, 1998, 378, 11-19.	2.0	4
74	Estimating benthic trophic levels to assess the effectiveness of marine protected area management. Science of the Total Environment, 2021, 790, 148234.	8.0	4
75	Threats to Ecosystem Engineering Macrophytes: Climate Change. , 2016, , 201-218.		3
76	Marine Macroalgae and the Assessment of Ecological Conditions. , 2014, , 105-147.		2
77	Use of a monoclonal antibody-based assay for the early detection of an invasive bivalve in plankton samples. Marine Pollution Bulletin, 2018, 133, 320-327.	5.0	1
78	Removal of an established invader can change gross primary production of native macroalgae and alter carbon flow in intertidal rock pools. PLoS ONE, 2019, 14, e0217121.	2.5	1
79	Faunal change and bathymetric diversity gradient in deep-sea prosobranchs from Northeastern Atlantic. , 2006, , 317-334.		0
80	Estructura y variaciÃ³n estacional de poblaciones de moluscos asociadas a la pesca artesanal de langosta en el PacÃfico Tropical. Revista De Biologia Tropical, 0, , 851-865.	0.4	0
81	Biofilms shaping compositions of macrofouling assemblages: An initial barrier against NIS settlement?. Frontiers in Marine Science, 0, 6, .	2.5	0
82	First confirmed occurrence of Codium fragile (Suringar) Hariot in the Iberian Peninsula coast of Portugal. BioInvasions Records, 2021, 10, 789-795.	1.1	0