Cristian Duarte

List of Publications by Year in descending order

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73 papers	2,460 citations	201385 27 h-index	214527 47 g-index
75 all docs	75 docs citations	75 times ranked	2307 citing authors

#	Article	IF	Citations
1	Species-specific responses to ocean acidification should account for local adaptation and adaptive plasticity. Nature Ecology and Evolution, 2017, 1, 84.	3.4	243
2	Is the feeding type related with the content of microplastics in intertidal fish gut?. Marine Pollution Bulletin, 2017, 116, 498-500.	2.3	229
3	Impact of medium-term exposure to elevated pCO2 levels on the physiological energetics of the mussel Mytilus chilensis. Chemosphere, 2013, 90, 1242-1248.	4.2	137
4	Ecological Implications of Extreme Events: Footprints of the 2010 Earthquake along the Chilean Coast. PLoS ONE, 2012, 7, e35348.	1.1	112
5	Combined effects of temperature and ocean acidification on the juvenile individuals of the mussel Mytilus chilensis. Journal of Sea Research, 2014, 85, 308-314.	0.6	84
6	Ocean acidification induces changes in algal palatability and herbivore feeding behavior and performance. Oecologia, 2016, 180, 453-462.	0.9	71
7	Light pollution reduces activity, food consumption and growth rates in a sandy beach invertebrate. Environmental Pollution, 2016, 218, 1147-1153.	3.7	67
8	Endogenous cycles, activity patterns and energy expenditure of an intertidal fish is modified by artificial light pollution at night (ALAN). Environmental Pollution, 2019, 244, 361-366.	3.7	65
9	Ocean Acidification Disrupts Prey Responses to Predator Cues but Not Net Prey Shell Growth in Concholepas concholepas (loco). PLoS ONE, 2013, 8, e68643.	1.1	62
10	Artificial light pollution at night (ALAN) disrupts the distribution and circadian rhythm of a sandy beach isopod. Environmental Pollution, 2019, 248, 565-573.	3.7	60
11	Ocean warming and elevated carbon dioxide: multiple stressor impacts on juvenile mussels from southern Chile. ICES Journal of Marine Science, 2016, 73, 764-771.	1.2	57
12	Evaluation of a semi-automatic system for long-term seawater carbonate chemistry manipulation. Revista Chilena De Historia Natural, 2013, 86, 443-451.	0.5	54
13	Competitive interactions in macroinfaunal animals of exposed sandy beaches. Oecologia, 2004, 139, 630-640.	0.9	53
14	Ocean acidification affects predator avoidance behaviour but not prey detection in the early ontogeny of a keystone species. Marine Ecology - Progress Series, 2014, 502, 157-167.	0.9	53
15	Effects of temperature and ocean acidification on shell characteristics of Argopecten purpuratus: implications for scallop aquaculture in an upwelling-influenced area. Aquaculture Environment Interactions, 2016, 8, 357-370.	0.7	52
16	CO2-Driven Ocean Acidification Disrupts the Filter Feeding Behavior in Chilean Gastropod and Bivalve Species from Different Geographic Localities. Estuaries and Coasts, 2015, 38, 1163-1177.	1.0	46
17	Intraspecific Variability in the Response of the Edible Mussel Mytilus chilensis (Hupe) to Ocean Acidification. Estuaries and Coasts, 2015, 38, 590-598.	1.0	46
18	Locomotor activity and zonation of upper shore arthropods in a sandy beach of north central Chile. Estuarine, Coastal and Shelf Science, 2003, 58, 177-197.	0.9	44

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19	Impacts of artificial light at night in marine ecosystemsâ€"A review. Global Change Biology, 2022, 28, 5346-5367.	4.2	44
20	Environmental processes, water quality degradation, and decline of waterbird populations in the Rio Cruces wetland, Chile. Wetlands, 2008, 28, 938-950.	0.7	41
21	Algal wrack deposits and macroinfaunal arthropods on sandy beaches of the Chilean coast. Revista Chilena De Historia Natural, 2006, 79, 337.	0.5	40
22	Artificial light pollution influences behavioral and physiological traits in a keystone predator species, Concholepas concholepas. Science of the Total Environment, 2019, 661, 543-552.	3.9	36
23	Relationships Between Community Structure of the Intertidal Macroinfauna and Sandy Beach Characteristics Along the Chilean Coast. Marine Ecology, 2001, 22, 323-342.	0.4	35
24	Intra-plant differences in seaweed nutritional quality and chemical defenses: Importance for the feeding behavior of the intertidal amphipod Orchestoidea tuberculata. Journal of Sea Research, 2011, 66, 215-221.	0.6	34
25	Variable feeding behavior in Orchestoidea tuberculata (Nicolet 1849): Exploring the relative importance of macroalgal traits. Journal of Sea Research, 2014, 87, 1-7.	0.6	33
26	The influence of microplastics pollution on the feeding behavior of a prominent sandy beach amphipod, Orchestoidea tuberculata (Nicolet, 1849). Marine Pollution Bulletin, 2019, 145, 23-27.	2.3	33
27	Physiological and histopathological impacts of increased carbon dioxide and temperature on the scallops Argopecten purpuratus cultured under upwelling influences in northern Chile. Aquaculture, 2017, 479, 455-466.	1.7	28
28	Population abundances, growth and natural mortality of the crustacean macroinfauna at two sand beach morphodynamic types in southern Chile. Revista Chilena De Historia Natural, 2003, 76, 543.	0.5	27
29	Low-pH Freshwater Discharges Drive Spatial and Temporal Variations in Life History Traits of Neritic Copepod Acartia tonsa. Estuaries and Coasts, 2013, 36, 1084-1092.	1.0	27
30	The energetic physiology of juvenile mussels, Mytilus chilensis (Hupe): The prevalent role of salinity under current and predicted pCO2 scenarios. Environmental Pollution, 2018, 242, 156-163.	3.7	27
31	Emigration and Mortality of Black-necked Swans (Cygnus melancoryphus) and Disappearance of the Macrophyte Egeria densa in a Ramsar Wetland Site of Southern Chile. Ambio, 2007, 36, 607-610.	2.8	26
32	The combined effects of ocean acidification and warming on a habitat-forming shell-crushing predatory crab. Science of the Total Environment, 2021, 758, 143587.	3.9	26
33	Sandy beach macroinfauna from the coast of Ancud, Isla de ChiloÃ©, southern Chile. Revista Chilena De Historia Natural, 2000, 73, 771.	0.5	24
34	Community structure of the macroinfauna in the sediments below an intertidal mussel bed (Mytilus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.5	22
35	Seawater-temperature and UV-radiation interaction modifies oxygen consumption, digestive process and growth of an intertidal fish. Marine Environmental Research, 2017, 129, 408-412.	1.1	20
36	The combined effects of salinity and pH on shell biomineralization of the edible mussel Mytilus chilensis. Environmental Pollution, 2020, 263, 114555.	3.7	20

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37	Artificial light at night alters the activity and feeding behaviour of sandy beach amphipods and pose a threat to their ecological role in Atlantic Canada. Science of the Total Environment, 2021, 780, 146568.	3.9	20
38	Ontogenetic variability in the feeding behavior of a marine amphipod in response to ocean acidification. Marine Pollution Bulletin, 2016, 112, 375-379.	2.3	19
39	Macroscale patterns in body size of intertidal crustaceans provide insights on climate change effects. PLoS ONE, 2017, 12, e0177116.	1.1	18
40	High pCO2 levels affect metabolic rate, but not feeding behavior and fitness, of farmed giant mussel Choromytilus chorus. Aquaculture Environment Interactions, 2018, 10, 267-278.	0.7	18
41	Chlorella-bearing ciliates (Stentor, Ophrydium) dominate in an oligotrophic, deep North Patagonian lake (Lake Caburgua, Chile). Limnologica, 2010, 40, 134-139.	0.7	17
42	Ranking the ecological effects of coastal armoring on mobile macroinvertebrates across intertidal zones on sandy beaches. Science of the Total Environment, 2021, 755, 142573.	3.9	16
43	The combined effects of climate change stressors and predatory cues on a mussel species. Science of the Total Environment, 2021, 776, 145916.	3.9	16
44	Artificial light at night alters the settlement of acorn barnacles on a man-made habitat in Atlantic Canada. Marine Pollution Bulletin, 2021, 163, 111928.	2.3	15
45	Beyond negative perceptions: The role of some marine invasive species as trophic subsidies. Marine Pollution Bulletin, 2017, 116, 538-539.	2.3	13
46	Ocean acidification alters anti-predator responses in a competitive dominant intertidal mussel. Chemosphere, 2022, 288, 132410.	4.2	13
47	Effects of ocean acidification on larval development and early post-hatching traits in Concholepas concholepas (loco). Marine Ecology - Progress Series, 2014, 514, 87-103.	0.9	13
48	Population Abundances, Tidal Movement, Burrowing Ability and Oxygen Uptake of Emerita analoga (Stimpson) (Crustacea, Anomura) on a Sandy Beach of South-Central Chile. Marine Ecology, 2004, 25, 71-89.	0.4	12
49	Recovery of black-necked swans, macrophytes and water quality in a Ramsar wetland of southern Chile: Assessing resilience following sudden anthropogenic disturbances. Science of the Total Environment, 2018, 628-629, 291-301.	3.9	12
50	Living on a trophic subsidy: Algal quality drives an upper-shore herbivoreâ€™s consumption, preference and absorption but not growth rates. PLoS ONE, 2018, 13, e0196121.	1.1	12
51	Plasticity in organic composition maintains biomechanical performance in shells of juvenile scallops exposed to altered temperature and pH conditions. Scientific Reports, 2021, 11, 24201.	1.6	12
52	Importancia del subsidio de macroalgas sobre la abundancia y biologÃa poblacional del anfÃpodo Orchestoidea tuberculata (Nicolet) en playas arenosas del centro sur de Chile. Revista De Biologia Marina Y Oceanografia, 2009, 44, .	0.1	10
53	Sandy beaches in a coastline vulnerable to erosion in Atlantic Canada: Macrobenthic community structure in relation to backshore and physical features. Journal of Sea Research, 2017, 125, 26-33.	0.6	10
54	Refuge quality to cope with UV radiation affects energy allocation in an intertidal fish. Marine Pollution Bulletin, 2018, 130, 268-270.	2.3	10

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55	Ocean acidification exacerbates the effects of paralytic shellfish toxins on the fitness of the edible mussel Mytilus chilensis. Science of the Total Environment, 2019, 653, 455-464.	3.9	10
56	Macroalgas varadas sobre la superficie de una playa arenosa del sur de Chile: preferencias alimentarias y de habitat de juveniles y adultos de Orchestoidea tuberculata (Nicolet), (Amphipoda,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	9
57	Intertidal pool fish Girella laevifrons (Kyphosidae) shown strong physiological homeostasis but shy personality: The cost of living in hypercapnic habitats. Marine Pollution Bulletin, 2017, 118, 57-63.	2.3	9
58	Geographical Variation in Phenotypic Plasticity of Intertidal Sister Limpetâ€™s Species Under Ocean Acidification Scenarios. Frontiers in Marine Science, 2021, 8, .	1.2	9
59	Effects of artificial light at night and predator cues on foraging and predator avoidance in the keystone inshore mollusc Concholepas concholepas. Environmental Pollution, 2021, 280, 116895.	3.7	9
60	Morphological, physiological and behavioral responses of an intertidal snail, Acanthina monodon (Pallas), to projected ocean acidification and cooling water conditions in upwelling ecosystems. Environmental Pollution, 2022, 293, 118481.	3.7	9
61	Near-edge wrack effects on bare sediments: Small scale variation matters in the monitoring of sandy beaches. Marine Environmental Research, 2016, 122, 196-200.	1.1	8
62	Exposure to artificial light at night (ALAN) alters RNA:DNA ratios in a sandy beach coleopteran insect. Marine Pollution Bulletin, 2021, 165, 112132.	2.3	8
63	Resilience of an aquatic macrophyte to an anthropogenically induced environmental stressor in a Ramsar wetland of southern Chile. Ambio, 2019, 48, 304-312.	2.8	7
64	Artificial Light at Night (ALAN) negatively affects the settlement success of two prominent intertidal barnacles in the southeast Pacific. Marine Pollution Bulletin, 2021, 168, 112416.	2.3	7
65	Artificial light at night (ALAN) causes variable dose-responses in a sandy beach isopod. Environmental Science and Pollution Research, 2022, 29, 35977-35985.	2.7	7
66	Morphometric variability in sandy beach crustaceans of Isla Grande de ChiloÃ©, Southern Chile. Revista De Biologia Marina Y Oceanografia, 2013, 48, 487-496.	0.1	5
67	Community disruption in small biogenic habitats: A coastal invader overcomes habitat complexity to alter community structure. PLoS ONE, 2020, 15, e0241116.	1.1	5
68	DistribuciÃ³n vertical de la macroinfauna asociada a bivalvos en una planicie intermareal sedimentaria del sur de Chile. Revista De Biologia Marina Y Oceanografia, 2012, 47, 383-393.	0.1	3
69	Parasitism by metacercariae modulates the morphological, organic and mechanical responses of the shell of an intertidal bivalve to environmental drivers. Science of the Total Environment, 2022, 830, 154747.	3.9	3
70	Multiple-stressor effects of ocean acidification, warming and predation risk cues on the early ontogeny of a rocky-shore keystone gastropod. Environmental Pollution, 2022, 302, 118918.	3.7	2
71	Relationships between bioturbation by Tylos spinulosus (Crustacea, Isopoda) and its distribution on sandy beaches of north-central Chile. Marine Ecology, 2008, 29, 37-42.	0.4	1
72	Determinacion y evaluacion de los componentes presentes en las pinturas anti incrustantes utilizadas en la acuicultura y sus posibles efectos en sedimentos marinos del sur de Chile. Latin American Journal of Aquatic Research, 0, , 351-366.	0.2	1

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73	Incident Ultraviolet Radiation and Disappearance of the Aquatic Macrophyte Egeria densa in a Ramsar Wetlands Site. Clean - Soil, Air, Water, 2008, 36, 858-862.	0.7	0