Cristian Duarte

List of Publications by Citations

73 papers	1,681 citations	25 h-index	39 g-index
75 ext. papers	2,119 ext. citations	5.1 avg, IF	4.63 L-index

#	Paper	IF	Citations
73	Species-specific responses to ocean acidification should account for local adaptation and adaptive plasticity. *Nature Ecology and Evolution*, **2017**, 1, 84	12.3	155
72	Is the feeding type related with the content of microplastics in intertidal fish gut?. *Marine Pollution Bulletin*, **2017**, 116, 498-500	6.7	152
71	Impact of medium-term exposure to elevated pCO(2) levels on the physiological energetics of the mussel Mytilus chilensis. *Chemosphere*, **2013**, 90, 1242-8	8.4	107
70	Ecological implications of extreme events: footprints of the 2010 earthquake along the Chilean coast. *PLoS ONE*, **2012**, 7, e35348	3.7	90
69	Combined effects of temperature and ocean acidification on the juvenile individuals of the mussel Mytilus chilensis. *Journal of Sea Research*, **2014**, 85, 308-314	1.9	65
68	Ocean acidification induces changes in algal palatability and herbivore feeding behavior and performance. *Oecologia*, **2016**, 180, 453-62	2.9	52
67	Ocean acidification disrupts prey responses to predator cues but not net prey shell growth in Concholepas concholepas (loco). *PLoS ONE*, **2013**, 8, e68643	3.7	50
66	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	2.6	44
65	Evaluation of a semi-automatic system for long-term seawater carbonate chemistry manipulation. *Revista Chilena De Historia Natural*, **2013**, 86, 443-451	1.8	42
64	Light pollution reduces activity, food consumption and growth rates in a sandy beach invertebrate. *Environmental Pollution*, **2016**, 218, 1147-1153	9.3	41
63	Competitive interactions in macroinfaunal animals of exposed sandy beaches. *Oecologia*, **2004**, 139, 630-40	2.9	40
62	Ocean warming and elevated carbon dioxide: multiple stressor impacts on juvenile mussels from southern Chile. *ICES Journal of Marine Science*, **2016**, 73, 764-771	2.7	39
61	Intraspecific Variability in the Response of the Edible Mussel Mytilus chilensis (Hupe) to Ocean Acidification. *Estuaries and Coasts*, **2015**, 38, 590-598	2.8	36
60	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	9.3	35
59	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	2.8	34
58	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	2.9	33
57	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	2.9	32

56	Relationships Between Community Structure of the Intertidal Macroinfauna and Sandy Beach Characteristics Along the Chilean Coast. *Marine Ecology*, **2001**, 22, 323-342	1.4	30
55	Artificial light pollution at night (ALAN) disrupts the distribution and circadian rhythm of a sandy beach isopod. *Environmental Pollution*, **2019**, 248, 565-573	9.3	30
54	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	1.9	28
53	Algal wrack deposits and macroinfaunal arthropods on sandy beaches of the Chilean coast. *Revista Chilena De Historia Natural*, **2006**, 79, 337	1.8	28
52	Environmental processes, water quality degradation, and decline of waterbird populations in the Rio Cruces wetland, Chile. *Wetlands*, **2008**, 28, 938-950	1.7	26
51	Artificial light pollution influences behavioral and physiological traits in a keystone predator species, Concholepas concholepas. *Science of the Total Environment*, **2019**, 661, 543-552	10.2	25
50	Variable feeding behavior in Orchestoidea tuberculata (Nicolet 1849): Exploring the relative importance of macroalgal traits. *Journal of Sea Research*, **2014**, 87, 1-7	1.9	25
49	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	2.8	22
48	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	6.7	21
47	Community structure of the macroinfauna in the sediments below an intertidal mussel bed (Mytilus chilensis (Hupe)) of southern Chile. *Revista Chilena De Historia Natural*, **2006**, 79,	1.8	20
46	Sandy beach macroinfauna from the coast of Ancud, Isla de Chiloé, southern Chile. *Revista Chilena De Historia Natural*, **2000**, 73, 771	1.8	18
45	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, 607-9	6.5	17
44	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	4.4	16
43	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	1.8	16
42	Ontogenetic variability in the feeding behavior of a marine amphipod in response to ocean acidification. *Marine Pollution Bulletin*, **2016**, 112, 375-379	6.7	15
41	The energetic physiology of juvenile mussels, Mytilus chilensis (Hupe): The prevalent role of salinity under current and predicted pCO scenarios. *Environmental Pollution*, **2018**, 242, 156-163	9.3	13
40	Chlorella-bearing ciliates (Stentor, Ophrydium) dominate in an oligotrophic, deep North Patagonian lake (Lake Caburgua, Chile). *Limnologica*, **2010**, 40, 134-139	2	12
39	Macroscale patterns in body size of intertidal crustaceans provide insights on climate change effects. *PLoS ONE*, **2017**, 12, e0177116	3.7	12

38	The combined effects of salinity and pH on shell biomineralization of the edible mussel Mytilus chilensis. *Environmental Pollution*, **2020**, 263, 114555	9.3	12
37	The combined effects of ocean acidification and warming on a habitat-forming shell-crushing predatory crab. *Science of the Total Environment*, **2021**, 758, 143587	10.2	12
36	Seawater-temperature and UV-radiation interaction modifies oxygen consumption, digestive process and growth of an intertidal fish. *Marine Environmental Research*, **2017**, 129, 408-412	3.3	11
35	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	10.2	11
34	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	2.9	11
33	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	1.4	10
32	Beyond negative perceptions: The role of some marine invasive species as trophic subsidies. *Marine Pollution Bulletin*, **2017**, 116, 538-539	6.7	9
31	Effects of ocean acidification on larval development and early post-hatching traits in Concholepas concholepas (loco). *Marine Ecology - Progress Series*, **2014**, 514, 87-103	2.6	9
30	Importancia del subsidio de macroalgas sobre la abundancia y biologí poblacional del anfípodo Orchestoidea tuberculata (Nicolet) en playas arenosas del centro sur de Chile. *Revista De Biologia Marina Y Oceanografia*, **2009**, 44,	2	8
29	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	10.2	8
28	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	6.7	7
27	Impacts of Climate Change on Marine Fisheries and Aquaculture in Chile **2017**, 239-332		7
26	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, Talitridae). *Revista Chilena De Historia Natural*, **2008**, 81,	1.8	6
25	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	10.2	6
24	Living on a trophic subsidy: Algal quality drives an upper-shore herbivore's consumption, preference and absorption but not growth rates. *PLoS ONE*, **2018**, 13, e0196121	3.7	5
23	Resilience of an aquatic macrophyte to an anthropogenically induced environmental stressor in a Ramsar wetland of southern Chile. *Ambio*, **2019**, 48, 304-312	6.5	5
22	Artificial light at night alters the settlement of acorn barnacles on a man-made habitat in Atlantic Canada. *Marine Pollution Bulletin*, **2021**, 163, 111928	6.7	5
21	The combined effects of climate change stressors and predatory cues on a mussel species. *Science of the Total Environment*, **2021**, 776, 145916	10.2	5

20	Refuge quality to cope with UV radiation affects energy allocation in an intertidal fish. *Marine Pollution Bulletin*, **2018**, 130, 268-270	6.7	4
19	Morphometric variability in sandy beach crustaceans of Isla Grande de Chiloé, Southern Chile. *Revista De Biologia Marina Y Oceanografia*, **2013**, 48, 487-496	2	4
18	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	1.9	3
17	Near-edge wrack effects on bare sediments: Small scale variation matters in the monitoring of sandy beaches. *Marine Environmental Research*, **2016**, 122, 196-200	3.3	3
16	Distribución 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	2	3
15	Community disruption in small biogenic habitats: A coastal invader overcomes habitat complexity to alter community structure. *PLoS ONE*, **2020**, 15, e0241116	3.7	3
14	Geographical Variation in Phenotypic Plasticity of Intertidal Sister Limpet Species Under Ocean Acidification Scenarios. *Frontiers in Marine Science*, **2021**, 8,	4.5	3
13	Ranking the ecological effects of coastal armoring on mobile macroinvertebrates across intertidal zones on sandy beaches. *Science of the Total Environment*, **2021**, 755, 142573	10.2	3
12	Exposure to artificial light at night (ALAN) alters RNA:DNA ratios in a sandy beach coleopteran insect. *Marine Pollution Bulletin*, **2021**, 165, 112132	6.7	2
11	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	9.3	2
10	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*, **2015**, 351-366	1.5	1
9	Relationships between bioturbation by Tylos spinulosus (Crustacea, Isopoda) and its distribution on sandy beaches of north-central Chile. *Marine Ecology*, **2008**, 29, 37-42	1.4	1
8	Plasticity in organic composition maintains biomechanical performance in shells of juvenile scallops exposed to altered temperature and pH conditions.. *Scientific Reports*, **2021**, 11, 24201	4.9	1
7	Ocean acidification alters anti-predator responses in a competitive dominant intertidal mussel. *Chemosphere*, **2022**, 288, 132410	8.4	1
6	Artificial light at night (ALAN) causes variable dose-responses in a sandy beach isopod.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	0
5	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*, **2021**, 293, 118481	9.3	0
4	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	6.7	0
3	Multiple-stressor effects of ocean acidification, warming and predation risk cues on the early ontogeny of a rocky-shore keystone gastropod.. *Environmental Pollution*, **2022**, 118918	9.3	0

2	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	10.2	0
1	Incident Ultraviolet Radiation and Disappearance of the Aquatic Macrophyte Egeria densa in a Ramsar Wetlands Site. *Clean - Soil, Air, Water*, **2008**, 36, 858-862	1.6	