Sergio A Navarrete

List of Publications by Year
in descending order

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73 papers	5,543 citations	101543 36 h-index	82547 72 g-index
75 all docs	75 docs citations	75 times ranked	5869 citing authors

#	Article	IF	Citations
1	Climate change in the coastal ocean: shifts in pelagic productivity and regionally diverging dynamics of coastal ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212772.	2.6	6
2	Alteration of coastal productivity and artisanal fisheries interact to affect a marine food web. Scientific Reports, 2021, 11, 1765.	3.3	22
3	Environmental variability and larval supply to wild and cultured shellfish populations. Aquaculture, 2021, 548, 737639.	3.5	0
4	Novel coâ€•occurrence of functionally redundant consumers induced by range expansion alters community structure. Ecology, 2020, 101, e03150.	3.2	10
5	Geographical variation of multiplex ecological networks in marine intertidal communities. Ecology, 2020, 101, e03165.	3.2	12
6	Latitudinal patterns of species diversity on South American rocky shores: Local processes lead to contrasting trends in regional and local species diversity. Journal of Biogeography, 2020, 47, 1966-1979.	3.0	26
7	Spatial shifts in productivity of the coastal ocean over the past two decades induced by migration of the Pacific Anticyclone and Bakun's effect in the Humboldt Upwelling Ecosystem. Global and Planetary Change, 2020, 193, 103259.	3.5	28
8	Abundance, composition and succession of sessile subtidal assemblages in high wave-energy environments of Central Chile: Temporal and depth variation. Journal of Experimental Marine Biology and Ecology, 2019, 512, 51-62.	1.5	14
9	Beyond tides: surge-dominated submersion regimes on rocky shores of central Chile. Marine Biology, 2019, 166, 1.	1.5	3
10	Predator traits determine food-web architecture across ecosystems. Nature Ecology and Evolution, 2019, 3, 919-927.	7.8	157
11	An Open-System Approach to Complex Biological Networks. SIAM Journal on Applied Mathematics, 2019, 79, 619-640.	1.8	17
12	Asymmetric competitive effects during species range expansion: An experimental assessment of interaction strength between â€œequivalentâ€•grazer species in their range overlap. Journal of Animal Ecology, 2019, 88, 277-289.	2.8	13
13	Predation on competing mussel species: Patterns of prey consumption and its potential role in species coexistence. Journal of Experimental Marine Biology and Ecology, 2018, 504, 38-46.	1.5	2
14	Structure and co-occurrence patterns in microbial communities under acute environmental stress reveal ecological factors fostering resilience. Scientific Reports, 2018, 8, 5875.	3.3	123
15	Latitudinal variation in maternal investment traits of the kelp crab Taliepus dentatus along the coast of Chile. Marine Biology, 2018, 165, 1.	1.5	14
16	Species coâ€•occurrence networks: Can they reveal trophic and nonâ€•trophic interactions in ecological communities?. Ecology, 2018, 99, 690-699.	3.2	242
17	Larval transport in the upwelling ecosystem of central Chile: The effects of vertical migration, developmental time and coastal topography on recruitment. Progress in Oceanography, 2018, 168, 82-99.	3.2	30
18	How Structured Is the Entangled Bank? The Surprisingly Simple Organization of Multiplex Ecological Networks Leads to Increased Persistence and Resilience. PLoS Biology, 2016, 14, e1002527.	5.6	154

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19	The oceanic concordance of phylogeography and biogeography: a case study in <scp>N</scp>otochthamalus. Ecology and Evolution, 2016, 6, 4403-4420.	1.9	28
20	Biodiversity enhances reef fish biomass and resistance to climate change. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6230-6235.	7.1	178
21	Diel vertical migration and cross-shore distribution of barnacle and bivalve larvae in the central Chile inner-shelf. Journal of Experimental Marine Biology and Ecology, 2016, 485, 35-46.	1.5	19
22	Network structure beyond food webs: mapping nonâ€trophic and trophic interactions on Chilean rocky shores. Ecology, 2015, 96, 291-303.	3.2	168
23	A comparison of temporal turnover of species from benthic cnidarian assemblages in tropical and subtropical harbours. Marine Biology Research, 2015, 11, 492-503.	0.7	9
24	Interactive effects of grazing and environmental stress on macroalgal biomass in subtropical rocky shores: Modulation of bottom-up inputs by wave action. Journal of Experimental Marine Biology and Ecology, 2015, 463, 39-48.	1.5	18
25	The potential of trait-based approaches to contribute to marine conservation. Marine Policy, 2015, 51, 148-150.	3.2	5
26	Latitudinal Discontinuity in Thermal Conditions along the Nearshore of Central-Northern Chile. PLoS ONE, 2014, 9, e110841.	2.5	82
27	Lottery Coexistence on Rocky Shores: Weak Niche Differentiation or Equal Competitors Engaged in Neutral Dynamics?. American Naturalist, 2014, 183, 342-362.	2.1	29
28	Spatial differences in thermal structure and variability within a small bay: Interplay of diurnal winds and tides. Continental Shelf Research, 2014, 88, 72-80.	1.8	22
29	Coexistence of competitors in marine metacommunities: environmental variability, edge effects, and the dispersal niche. Ecology, 2014, 95, 2289-2302.	3.2	44
30	Integrating abundance and functional traits reveals new global hotspots of fish diversity. Nature, 2013, 501, 539-542.	27.8	445
31	Functional identity and functional structure change through succession in a rocky intertidal marine herbivore assemblage. Ecology, 2012, 93, 75-89.	3.2	41
32	Biogeographical Boundaries, Functional Group Structure and Diversity of Rocky Shore Communities along the Argentinean Coast. PLoS ONE, 2012, 7, e49725.	2.5	22
33	More than a mealâ€¦ integrating nonâ€feeding interactions into food webs. Ecology Letters, 2012, 15, 291-300.	6.4	320
34	Interspecific Competition for Shelters in Territorial and Gregarious Intertidal Grazers: Consequences for Individual Behaviour. PLoS ONE, 2012, 7, e46205.	2.5	25
35	Geographic variation in diversity of wave exposed rocky intertidal communities along central Chile. Revista Chilena De Historia Natural, 2011, 84, 143-154.	1.2	35
36	Movement patterns of the seastar Heliaster helianthus in central Chile: relationship with environmental conditions and prey availability. Marine Biology, 2010, 157, 647-661.	1.5	22

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37	Spatial patterns of barnacle settlement in central Chile: Persistence at daily to inter-annual scales relative to the spatial signature of physical variability. Journal of Experimental Marine Biology and Ecology, 2010, 392, 151-159.	1.5	19
38	Coexistence and intertidal zonation of chthamalid barnacles along central Chile: Interference competition or a lottery for space?. Journal of Experimental Marine Biology and Ecology, 2010, 392, 176-187.	1.5	26
39	Ecological convergence in a rocky intertidal shore metacommunity despite high spatial variability in recruitment regimes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18528-18532.	7.1	30
40	Ontogenetic changes in habitat use and diet of the sea-starHeliaster helianthuson the coast of central Chile. Journal of the Marine Biological Association of the United Kingdom, 2010, 90, 537-546.	0.8	18
41	Scaling of Food-Web Properties with Diversity and Complexity Across Ecosystems. Advances in Ecological Research, 2010, 42, 139-170.	2.7	78
42	Thermal indices of upwelling effects on inner-shelf habitats. Progress in Oceanography, 2009, 83, 278-287.	3.2	62
43	Refuge utilization and preferences between competing intertidal crab species. Journal of Experimental Marine Biology and Ecology, 2009, 374, 37-44.	1.5	20
44	Deconstructing latitudinal species richness patterns in the ocean: does larval development hold the clue?. Ecology Letters, 2009, 12, 601-611.	6.4	47
45	Local and meso-scale patterns of recruitment and abundance of two intertidal crab species that compete for refuges. Marine Biology, 2008, 155, 223-232.	1.5	13
46	INTERHEMISPHERIC COMPARISON OF RECRUITMENT TO INTERTIDAL COMMUNITIES: PATTERN PERSISTENCE AND SCALES OF VARIATION. Ecology, 2008, 89, 1308-1322.	3.2	92
47	A simulation of the Chilean Coastal Current and associated topographic upwelling near ValparaÃso, Chile. Continental Shelf Research, 2008, 28, 2371-2381.	1.8	31
48	INDIVIDUAL- AND POPULATION-LEVEL RESPONSES OF A KEYSTONE PREDATOR TO GEOGRAPHIC VARIATION IN PREY. Ecology, 2008, 89, 2005-2018.	3.2	45
49	Scales of Dispersal and the Biogeography of Marine Predatorâ€Prey Interactions. American Naturalist, 2008, 171, 405-417.	2.1	59
50	Effects of Chiton granosus (Frembly, 1827) and other molluscan grazers on algal succession in wave exposed mid-intertidal rocky shores of central Chile. Journal of Experimental Marine Biology and Ecology, 2007, 349, 84-98.	1.5	48
51	FEEDING BY LARVAE OF INTERTIDAL INVERTEBRATES: ASSESSING THEIR POSITION IN PELAGIC FOOD WEBS. Ecology, 2006, 87, 444-457.	3.2	58
52	River plume dynamic influences transport of barnacle larvae in the inner shelf off central Chile. Journal of the Marine Biological Association of the United Kingdom, 2006, 86, 1057-1065.	0.8	33
53	Variable interaction strengths stabilize marine community pattern. Ecology Letters, 2006, 9, 526-536.	6.4	47
54	Multistability in an open recruitment food web model. Applied Mathematics and Computation, 2005, 163, 275-294.	2.2	14

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55	Effects of Human Exclusion on Parasitism in Intertidal Food Webs of Central Chile. Conservation Biology, 2005, 19, 203-212.	4.7	45
56	Scales of benthic-pelagic coupling and the intensity of species interactions: From recruitment limitation to top-down control. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18046-18051.	7.1	215
57	Internal tidal bore warm fronts and settlement of invertebrates in central Chile. Estuarine, Coastal and Shelf Science, 2004, 61, 603-612.	2.1	37
58	Mesoscale regulation comes from the bottom-up: intertidal interactions between consumers and upwelling. Ecology Letters, 2004, 7, 31-41.	6.4	146
59	Seasonal and spatial variation of nearshore hydrographic conditions in central Chile. Continental Shelf Research, 2004, 24, 279-292.	1.8	77
60	Mollusk species diversity in the Southeastern Pacific: why are there more species towards the pole?. Ecography, 2003, 26, 139-144.	4.5	135
61	Experimental determination of predation intensity in an intertidal predator guild: dominant versus subordinate prey. Oikos, 2003, 100, 251-262.	2.7	83
62	Recruitment of intertidal invertebrates in the southeast Pacific: Interannual variability and the 1997â€“1998 El NiÃ±o. Limnology and Oceanography, 2002, 47, 791-802.	3.1	83
63	Avoiding offshore transport of competent larvae during upwelling events: The case of the gastropod Concholepas concholepas in Central Chile. Limnology and Oceanography, 2002, 47, 1248-1255.	3.1	109
64	Temporal and spatial variation in settlement of the gastropod Concholepas concholepas in natural and artificial substrata. Journal of the Marine Biological Association of the United Kingdom, 2002, 82, 257-264.	0.8	20
65	SPECIES INTERACTIONS IN INTERTIDAL FOOD WEBS: PREY OR PREDATION REGULATION OF INTERMEDIATE PREDATORS?. Ecology, 2000, 81, 2264-2277.	3.2	56
66	Diversity, dynamics and biogeography of Chilean benthic nearshore ecosystems: an overview and guidelines for conservation. Revista Chilena De Historia Natural, 2000, 73, 797.	1.2	130
67	QUANTIFYING VARIATION IN THE STRENGTHS OF SPECIES INTERACTIONS. Ecology, 1999, 80, 2206-2224.	3.2	220
68	Spatial variability in prey preferences of the intertidal whelks Nucella canaliculata and Nucella emarginata. Journal of Experimental Marine Biology and Ecology, 1998, 222, 133-148.	1.5	29
69	Spatial and temporal variation in rocky intertidal community organization: Lessons from repeating field experiments. Journal of Experimental Marine Biology and Ecology, 1997, 214, 195-229.	1.5	39
70	Variable Predation: Effects of Whelks on a Midâ€Intertidal Successional Community. Ecological Monographs, 1996, 66, 301-321.	5.4	111
71	Keystone Predation and Interaction Strength: Interactive Effects of Predators on Their Main Prey. Ecological Monographs, 1996, 66, 409-429.	5.4	213
72	The Keystone Species Concept: Variation in Interaction Strength in a Rocky Intertidal Habitat. Ecological Monographs, 1994, 64, 249-286.	5.4	611

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73	Resource partitioning between intertidal predatory crabs: interference and refuge utilization. Journal of Experimental Marine Biology and Ecology, 1990, 143, 101-129.	1.5	58