

Thomas Saucedo

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

979
citations

567281

15
h-index

477307

29
g-index

51
all docs

51
docs citations

51
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiversity change after climate-induced ice-shelf collapse in the Antarctic. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 74-83.	1.4	142
2	Unexpected Early Triassic marine ecosystem and the rise of the Modern evolutionary fauna. <i>Science Advances</i> , 2017, 3, e1602159.	10.3	103
3	Cross-disciplinarity in the advance of Antarctic ecosystem research. <i>Marine Genomics</i> , 2018, 37, 1-17.	1.1	70
4	Correlative and dynamic species distribution modelling for ecological predictions in the Antarctic: a cross-disciplinary concept. <i>Polar Research</i> , 2012, 31, 11091.	1.6	54
5	Is the Species Flock Concept Operational? The Antarctic Shelf Case. <i>PLoS ONE</i> , 2013, 8, e68787.	2.5	51
6	Following the Antarctic Circumpolar Current: patterns and processes in the biogeography of the limpet <i>Nacella</i> (Mollusca: Patellogastropoda) across the Southern Ocean. <i>Journal of Biogeography</i> , 2017, 44, 861-874.	3.0	41
7	Phylogeny and origin of Jurassic irregular echinoids (Echinodermata: Echinoidea). <i>Geological Magazine</i> , 2007, 144, 333-359.	1.5	39
8	Unexpected absence of island endemics: Long-distance dispersal in higher latitude sub-Antarctic <i>Siphonaria</i> (Gastropoda: Euthyneura) species. <i>Journal of Biogeography</i> , 2018, 45, 874-884.	3.0	34
9	Benthic species of the Kerguelen Plateau show contrasting distribution shifts in response to environmental changes. <i>Ecology and Evolution</i> , 2018, 8, 6210-6225.	1.9	28
10	DNA barcoding and molecular systematics of the benthic and demersal organisms of the CEAMARC survey. <i>Polar Science</i> , 2011, 5, 298-312.	1.2	25
11	Antarctic, Sub-Antarctic and cold temperate echinoid database. <i>ZooKeys</i> , 2012, 204, 47-52.	1.1	23
12	Understanding processes at the origin of species flocks with a focus on the marine Antarctic fauna. <i>Biological Reviews</i> , 2018, 93, 481-504.	10.4	21
13	Reproductive strategy as a piece of the biogeographic puzzle: a case study using Antarctic sea stars (Echinodermata, Asteroidea). <i>Journal of Biogeography</i> , 2017, 44, 848-860.	3.0	20
14	Is the southern crab <i>Halicarcinus planatus</i> (Fabricius, 1775) the next invader of Antarctica?. <i>Global Change Biology</i> , 2021, 27, 3487-3504.	9.5	20
15	Broad-scale species distribution models applied to data-poor areas. <i>Progress in Oceanography</i> , 2019, 175, 198-207.	3.2	19
16	Southern Ocean Echinoids database – An updated version of Antarctic, Sub-Antarctic and cold temperate echinoid database. <i>ZooKeys</i> , 2017, 697, 1-20.	1.1	19
17	Diversification rates indicate an early role of adaptive radiations at the origin of modern echinoid fauna. <i>PLoS ONE</i> , 2018, 13, e0194575.	2.5	17
18	Extrapolation in species distribution modelling. Application to Southern Ocean marine species. <i>Progress in Oceanography</i> , 2020, 188, 102438.	3.2	15

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19	Evolution to the extreme: origins of the highly modified apical system in pourtalesiid echinoids. <i>Zoological Journal of the Linnean Society</i> , 2004, 140, 137-155.	2.3	14
20	Is reproductive strategy a key factor in understanding the evolutionary history of Southern Ocean Asteroidea (Echinodermata)?. <i>Ecology and Evolution</i> , 2019, 9, 8465-8478.	1.9	14
21	Can we generate robust species distribution models at the scale of the Southern Ocean?. <i>Diversity and Distributions</i> , 2019, 25, 21-37.	4.1	14
22	Évolution et radiations adaptatives chez les Échinides. <i>Comptes Rendus - Palevol</i> , 2009, 8, 189-207.	0.2	13
23	Environmental control on the structure of echinoid assemblages in the Bellingshausen Sea (Antarctica). <i>Polar Biology</i> , 2012, 35, 1343-1357.	1.2	13
24	Antarctic and Sub-Antarctic Asteroidea database. <i>ZooKeys</i> , 2018, 747, 141-156.	1.1	13
25	The morphology, ontogeny, and inferred behaviour of the deep-sea echinoid <i>Calymne relict</i> (Holasteroidea). <i>Zoological Journal of the Linnean Society</i> , 2009, 155, 630-648.	2.3	12
26	Biodiversity and evolution in the light of morphometrics: From patterns to processes. <i>Comptes Rendus - Palevol</i> , 2011, 10, 133-142.	0.2	12
27	Systematic revision of <i>Nacella</i> (Patellogastropoda: Nacellidae) based on a complete phylogeny of the genus, with the description of a new species from the southern tip of South America. <i>Zoological Journal of the Linnean Society</i> , 2019, 186, 303-336.	2.3	12
28	A new holocrinid (Articulata) from the Paris Biota (Bear Lake County, Idaho, USA) highlights the high diversity of Early Triassic crinoids. <i>Geobios</i> , 2019, 54, 45-53.	1.4	11
29	Empirical and theoretical study of atelostomate (Echinoidea, Echinodermata) plate architecture: using graph analysis to reveal structural constraints. <i>Paleobiology</i> , 2015, 41, 436-459.	2.0	10
30	The taxonomic challenge posed by the Antarctic echinoids <i>Abatus bidens</i> and <i>Abatus cavernosus</i> (Schizasteridae, Echinoidea). <i>Polar Biology</i> , 2016, 39, 897-912.	1.2	10
31	Taxonomy 2.0: computer-aided identification tools to assist Antarctic biologists in the field and in the laboratory. <i>Antarctic Science</i> , 2021, 33, 39-51.	0.9	10
32	Diversity of the Pterasteridae (Asteroidea) in the Southern Ocean: a molecular and morphological approach. <i>Zoological Journal of the Linnean Society</i> , 2021, 192, 105-116.	2.3	10
33	Can DEB models infer metabolic differences between intertidal and subtidal morphotypes of the Antarctic limpet <i>Nacella concinna</i> (Strebel, 1908)?. <i>Ecological Modelling</i> , 2020, 430, 109088.	2.5	9
34	The high diversity of Southern Ocean sea stars (Asteroidea) reveals original evolutionary pathways. <i>Progress in Oceanography</i> , 2021, 190, 102472.	3.2	9
35	Seven snail species hidden in one: Biogeographic diversity in an apparently widespread periwinkle in the Southern Ocean. <i>Journal of Biogeography</i> , 2022, 49, 1521-1534.	3.0	9
36	Species distribution modelling of the Southern Ocean benthos: a review on methods, cautions and solutions. <i>Antarctic Science</i> , 2021, 33, 349-372.	0.9	7

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37	Patterns of genetic diversity and structure in Antarctic and sub-Antarctic Nacella (Patellogastropoda: Nacellidae) species. <i>Biodiversity</i> , 2016, 17, 46-55.	1.1	6
38	Echinocardium cordatum. <i>Developments in Aquaculture and Fisheries Science</i> , 2020, 43, 337-357.	1.3	6
39	Echinoids of the Kerguelen Plateau – occurrence data and environmental setting for past, present, and future species distribution modelling. <i>ZooKeys</i> , 2016, 630, 1-17.	1.1	6
40	Experimental neotechnology of post-autotomy arm movements of sea lilies and possible evidence of thrashing behaviour in Triassic holocrinids. <i>Scientific Reports</i> , 2020, 10, 15147.	3.3	5
41	The phylogenetic position and taxonomic status of <i>Sterechinus bernasconiae</i> Larrain, 1975 (Echinodermata, Echinoidea), an enigmatic Chilean sea urchin. <i>Polar Biology</i> , 2015, 38, 1223-1237.	1.2	4
42	When Imagery and Physical Sampling Work Together: Toward an Integrative Methodology of Deep-Sea Image-Based Megafauna Identification. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	3
43	Dispersal models alert on the risk of non-native species introduction by Ballast water in protected areas from the Western Antarctic Peninsula. <i>Diversity and Distributions</i> , 2022, 28, 649-666.	4.1	2
44	A revision of the rare genus <i>Cyclolampas</i> (Echinoidea) using morphometrics with description of a new species from the upper Callovian of Burgundy (France). <i>Journal of Paleontology</i> , 2013, 87, 105-122.	0.8	1
45	The Belgica 121 expedition to the Western Antarctic Peninsula: a detailed biodiversity census. <i>Biodiversity Data Journal</i> , 2021, 9, e70590.	0.8	1
46	Nimble vessel cruises as a complementary platform for Southern Ocean biodiversity research: concept and preliminary results from the Belgica 121 expedition. <i>Antarctic Science</i> , 2022, 34, 336-342.	0.9	1
47	Diversity of Antarctic Echinoids and Ecoregions of the Southern Ocean. <i>Biology Bulletin</i> , 2020, 47, 683-698.	0.5	0
48	Trophic markers and biometric measurements in Southern Ocean sea stars (1985–2017). <i>Ecology</i> , 2021, , e3611.	3.2	0