

# Chester J Sands

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,490  
citations

331670

21  
h-index

330143

37  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1520  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phylum Tardigrada: an "individual" approach. <i>Cladistics</i> , 2008, 24, 861-871.	3.3	105
2	Phylum Tardigrada: A re-evaluation of the Parachela. <i>Zootaxa</i> , 2011, 2819, 51.	0.5	103
3	Is the Scotia Sea a centre of Antarctic marine diversification? Some evidence of cryptic speciation in the circum-Antarctic bivalve <i>Lissarca notorcadensis</i> (Arcoidea: Philobryidae). <i>Polar Biology</i> , 2007, 30, 1059-1068.	1.2	98
4	Phylogeography recapitulates topography: very fine-scale local endemism of a saproxylic "giant" springtail at Tallaganda in the Great Dividing Range of south-east Australia. <i>Molecular Ecology</i> , 2004, 13, 3329-3344.	3.9	82
5	A tale of two flatties: different responses of two terrestrial flatworms to past environmental climatic fluctuations at Tallaganda in montane southeastern Australia. <i>Molecular Ecology</i> , 2006, 15, 4513-4531.	3.9	79
6	Patterns, processes and vulnerability of Southern Ocean benthos: a decadal leap in knowledge and understanding. <i>Marine Biology</i> , 2013, 160, 2295-2317.	1.5	79
7	Marine plastics threaten giant Atlantic Marine Protected Areas. <i>Current Biology</i> , 2018, 28, R1137-R1138.	3.9	78
8	Icebergs, sea ice, blue carbon and Antarctic climate feedbacks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170176.	3.4	65
9	Catchments catch all: long-term population history of a giant springtail from the southeast Australian highlands - a multigene approach. <i>Molecular Ecology</i> , 2007, 16, 1865-1882.	3.9	51
10	Biodiversity of an unknown Antarctic Sea: assessing isopod richness and abundance in the first benthic survey of the Amundsen continental shelf. <i>Marine Biodiversity</i> , 2009, 39, 27-43.	1.0	49
11	The limnology and biology of the Dufek Massif, Transantarctic Mountains 82° South. <i>Polar Science</i> , 2010, 4, 197-214.	1.2	45
12	Assessing meiofaunal variation among individuals utilising morphological and molecular approaches: an example using the Tardigrada. <i>BMC Ecology</i> , 2008, 8, 7.	3.0	42
13	Antarctic Tardigrada: a first step in understanding molecular operational taxonomic units (MOTUs) and biogeography of cryptic meiofauna. <i>Invertebrate Systematics</i> , 2012, 26, 526.	1.3	38
14	Perspective: Increasing blue carbon around Antarctica is an ecosystem service of considerable societal and economic value worth protecting. <i>Global Change Biology</i> , 2021, 27, 5-12.	9.5	35
15	The macro- and megabenthic fauna on the continental shelf of the eastern Amundsen Sea, Antarctica. <i>Continental Shelf Research</i> , 2013, 68, 80-90.	1.8	34
16	Functional group diversity is key to Southern Ocean benthic carbon pathways. <i>PLoS ONE</i> , 2017, 12, e0179735.	2.5	33
17	Exploring Pandora's Box: Potential and Pitfalls of Low Coverage Genome Surveys for Evolutionary Biology. <i>PLoS ONE</i> , 2012, 7, e49202.	2.5	31
18	Why is the South Orkney Island shelf (the world's first high seas marine protected area) a carbon immobilization hotspot?. <i>Global Change Biology</i> , 2016, 22, 1110-1120.	9.5	31

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19	Geographic structure in the Southern Ocean circumpolar brittle star <i>Ophionotus victoriae</i> (Ophiuridae) revealed from mt DNA and single nucleotide polymorphism data. <i>Ecology and Evolution</i> , 2017, 7, 475-485.	1.9	30
20	Blue carbon gains from glacial retreat along Antarctic fjords: What should we expect?. <i>Global Change Biology</i> , 2020, 26, 2750-2755.	9.5	28
21	Global Connectivity of Southern Ocean Ecosystems. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	28
22	Against the flow: evidence of multiple recent invasions of warmer continental shelf waters by a Southern Ocean brittle star. <i>Frontiers in Ecology and Evolution</i> , 0, 3, .	2.2	26
23	Crossing the Divide: Admixture Across the Antarctic Polar Front Revealed by the Brittle Star <i>Astrotothia agassizii</i> . <i>Biological Bulletin</i> , 2017, 232, 198-211.	1.8	24
24	Phylogenetic position of Antarctic Scalpelliformes (Crustacea: Cirripedia: Thoracica). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 73, 99-116.	1.4	21
25	Biodiversity signature of the Last Glacial Maximum at South Georgia, Southern Ocean. <i>Journal of Biogeography</i> , 2016, 43, 2391-2399.	3.0	20
26	Genetic differentiation in the squid <i>Moroteuthis ingens</i> inferred from RAPD analysis. <i>Polar Biology</i> , 2003, 26, 166-170.	1.2	19
27	Extremes in Benthic Ecosystem Services; Blue Carbon Natural Capital Shallower Than 1000 m in Isolated, Small, and Young Ascension Island's EEZ. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	16
28	Environmental Complexity and Biodiversity: The Multi-Layered Evolutionary History of a Log-Dwelling Velvet Worm in Montane Temperate Australia. <i>PLoS ONE</i> , 2013, 8, e84559.	2.5	16
29	Quantification of blue carbon pathways contributing to negative feedback on climate change following glacier retreat in West Antarctic fjords. <i>Global Change Biology</i> , 2022, 28, 8-20.	9.5	16
30	Dwarf brooder versus giant broadcaster: combining genetic and reproductive data to unravel cryptic diversity in an Antarctic brittle star. <i>Heredity</i> , 2019, 123, 622-633.	2.6	15
31	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
32	Protecting Antarctic blue carbon: as marine ice retreats can the law fill the gap?. <i>Climate Policy</i> , 2020, 20, 149-162.	5.1	14
33	Antarctic and Sub-Antarctic Asteroidea database. <i>ZooKeys</i> , 2018, 747, 141-156.	1.1	13
34	Biological and physical characterization of the seabed surrounding Ascension Island from 100–1000 m. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2017, 97, 647-659.	0.8	12
35	Observations of the ophiuroids from the West Antarctic sector of the Southern Ocean. <i>Antarctic Science</i> , 2013, 25, 3-10.	0.9	11
36	Gene flow in the Antarctic bivalve <i>Aequiyoldia eightsii</i> (Jay, 1839) suggests a role for the Antarctic Peninsula Coastal Current in larval dispersal. <i>Royal Society Open Science</i> , 2020, 7, 200603.	2.4	11

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37	The need to implement the Convention on Biological Diversity at the high latitude site, South Georgia. <i>Antarctic Science</i> , 2011, 23, 323-331.	0.9	10
38	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
39	A new brooding species of brittle star (Echinodermata: Ophiuroidea) from Antarctic waters. <i>Polar Biology</i> , 2013, 36, 115-126.	1.2	9
40	Single copy nuclear DNA markers for the onychophoran <i>Phallocephale tallagandensis</i> . <i>Conservation Genetics Resources</i> , 2009, 1, 17-19.	0.8	8
41	Climate Mitigation through Biological Conservation: Extensive and Valuable Blue Carbon Natural Capital in Tristan da Cunha's Giant Marine Protected Zone. <i>Biology</i> , 2021, 10, 1339.	2.8	6
42	Amundsen Sea Mollusca from the BIOPEARL II expedition. <i>ZooKeys</i> , 2013, 294, 1-8.	1.1	5
43	Geographic isolation and physiological mechanisms underpinning species distributions at the range limit hotspot of South Georgia. <i>Reviews in Fish Biology and Fisheries</i> , 2014, 24, 485-492.	4.9	5
44	Pragmatic Assignment of Species Groups Based on Primary Species Hypotheses: The Case of a Dominant Component of the Southern Ocean Benthic Fauna. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
45	A Previously Undescribed Helotialean Fungus That Is Superabundant in Soil Under Maritime Antarctic Higher Plants. <i>Frontiers in Microbiology</i> , 2020, 11, 615608.	3.5	4
46	Societal importance of Antarctic negative feedbacks on climate change: blue carbon gains from sea ice, ice shelf and glacier losses. <i>Die Naturwissenschaften</i> , 2021, 108, 43.	1.6	4
47	The influence of glacial melt and retreat on the nutritional condition of the bivalve <i>Nuculana inaequisculpta</i> (Protobranchia: Nuculanidae) in the West Antarctic Peninsula. <i>PLoS ONE</i> , 2020, 15, e0233513.	2.5	3
48	East Weddell Sea echinoids from the JR275 expedition. <i>ZooKeys</i> , 2015, 504, 1-10.	1.1	3
49	Evolutionary innovations in Antarctic brittle stars linked to glacial refugia. <i>Ecology and Evolution</i> , 2021, 11, 17428-17446.	1.9	3
50	Genetic variation in the small bivalve <i>Nuculana inaequisculpta</i> along a retreating glacier fjord, King George Island, Antarctica. <i>Revista De Biologia Marina Y Oceanografia</i> , 2021, 56, 151-156.	0.2	1
51	Interpopulational differences in the nutritional condition of <i>Aequiyoldia eightsi</i> (Protobranchia: Nuculanidae) from the Western Antarctic Peninsula during austral summer. <i>PeerJ</i> , 2021, 9, e12679.	2.0	1
52	Geographic patterns of soft-bottoms benthic communities in Chilean Patagonian fjords (47°S-54°S) - influence of environmental stress on diversity patterns and stable isotope signatures. <i>Progress in Oceanography</i> , 2022, 204, 102810.	3.2	1
53	Protecting Antarctica's coastal blue carbon: a case for international cooperation. , 2020, , .		0
54	Impacts of glacial retreat on benthic iron supply using a radium/thorium disequilibrium approach. , 2021, , .		0

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55	Response to concerns regarding the role of Antarctic blue carbon habitats in a global context. Global Change Biology, 2022, 28, .	9.5	0