

David S Schoeman

List of Publications by Year in descending order

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Version: 2024-02-01

105
papers

10,888
citations

71102

41
h-index

31849

101
g-index

111
all docs

111
docs citations

111
times ranked

13014
citing authors

#	ARTICLE	IF	CITATIONS
1	Global imprint of climate change on marine life. <i>Nature Climate Change</i> , 2013, 3, 919-925.	18.8	1,602
2	The Pace of Shifting Climate in Marine and Terrestrial Ecosystems. <i>Science</i> , 2011, 334, 652-655.	12.6	1,062
3	Threats to sandy beach ecosystems: A review. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 81, 1-12.	2.1	910
4	Responses of Marine Organisms to Climate Change across Oceans. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	624
5	Climate Impact on Plankton Ecosystems in the Northeast Atlantic. <i>Science</i> , 2004, 305, 1609-1612.	12.6	622
6	Climate change and wind intensification in coastal upwelling ecosystems. <i>Science</i> , 2014, 345, 77-80.	12.6	443
7	Geographical limits to species-range shifts are suggested by climate velocity. <i>Nature</i> , 2014, 507, 492-495.	27.8	436
8	Climate velocity and the future global redistribution of marine biodiversity. <i>Nature Climate Change</i> , 2016, 6, 83-88.	18.8	405
9	Outstanding Challenges in the Transferability of Ecological Models. <i>Trends in Ecology and Evolution</i> , 2018, 33, 790-802.	8.7	403
10	Sandy beach ecosystems: key features, sampling issues, management challenges and climate change impacts. <i>Marine Ecology</i> , 2008, 29, 70-90.	1.1	352
11	Sandy beaches at the brink. <i>Diversity and Distributions</i> , 2007, 13, 556-560.	4.1	333
12	Beyond climate change attribution in conservation and ecological research. <i>Ecology Letters</i> , 2013, 16, 58-71.	6.4	167
13	Ecological and methodological drivers of species' distribution and phenology responses to climate change. <i>Global Change Biology</i> , 2016, 22, 1548-1560.	9.5	162
14	Under Pressure: Climate Change, Upwelling, and Eastern Boundary Upwelling Ecosystems. <i>Frontiers in Marine Science</i> , 2015, 2, .	2.5	155
15	Ocean community warming responses explained by thermal affinities and temperature gradients. <i>Nature Climate Change</i> , 2019, 9, 959-963.	18.8	134
16	Extreme Marine Heatwaves Alter Kelp Forest Community Near Its Equatorward Distribution Limit. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	126
17	Global warming is causing a more pronounced dip in marine species richness around the equator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	125
18	Climate Velocity Can Inform Conservation in a Warming World. <i>Trends in Ecology and Evolution</i> , 2018, 33, 441-457.	8.7	124

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19	Quantitative approaches in climate change ecology. <i>Global Change Biology</i> , 2011, 17, 3697-3713.	9.5	121
20	Human threats to sandy beaches: A meta-analysis of ghost crabs illustrates global anthropogenic impacts. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 169, 56-73.	2.1	108
21	Climate velocity reveals increasing exposure of deep-ocean biodiversity to future warming. <i>Nature Climate Change</i> , 2020, 10, 576-581.	18.8	99
22	The status of sandy beach science: Past trends, progress, and possible futures. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 150, 1-10.	2.1	97
23	Give Beach Ecosystems Their Day in the Sun. <i>Science</i> , 2010, 329, 1146-1146.	12.6	88
24	Ocean zoning for conservation, fisheries and marine renewable energy: Assessing trade-offs and co-location opportunities. <i>Journal of Environmental Management</i> , 2015, 152, 201-209.	7.8	82
25	Urbanisation alters processing of marine carrion on sandy beaches. <i>Landscape and Urban Planning</i> , 2013, 119, 1-8.	7.5	80
26	Climate change impacts on sandy beach biota: crossing a line in the sand. <i>Global Change Biology</i> , 2014, 20, 2383-2392.	9.5	71
27	Mapping beach morphodynamics remotely: A novel application tested on South African sandy shores. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 92, 78-89.	2.1	66
28	Metrics to assess ecological condition, change, and impacts in sandy beach ecosystems. <i>Journal of Environmental Management</i> , 2014, 144, 322-335.	7.8	65
29	Climate change and marine life. <i>Biology Letters</i> , 2012, 8, 907-909.	2.3	60
30	Limited functional redundancy in vertebrate scavenger guilds fails to compensate for the loss of raptors from urbanized sandy beaches. <i>Diversity and Distributions</i> , 2015, 21, 55-63.	4.1	55
31	Rich diversity, strong endemism, but poor protection: addressing the neglect of sandy beach ecosystems in coastal conservation planning. <i>Diversity and Distributions</i> , 2014, 20, 1120-1135.	4.1	53
32	Quantifying cumulative threats to sandy beach ecosystems: A tool to guide ecosystem-based management beyond coastal reserves. <i>Ocean and Coastal Management</i> , 2015, 110, 12-24.	4.4	53
33	Marine heat waves threaten kelp forests. <i>Science</i> , 2020, 367, 635-635.	12.6	52
34	The Coral Sea. <i>Advances in Marine Biology</i> , 2013, 66, 213-290.	1.4	51
35	Invasive carnivores alter ecological function and enhance complementarity in scavenger assemblages on ocean beaches. <i>Ecology</i> , 2015, 96, 2715-2725.	3.2	49
36	Golden opportunities: A horizon scan to expand sandy beach ecology. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 157, 1-6.	2.1	47

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37	Shift in Black Rhinoceros Diet in the Presence of Elephant: Evidence for Competition?. PLoS ONE, 2013, 8, e69771.	2.5	46
38	Relevance of elephant herbivory as a threat to Important Plants in the Addo Elephant National Park, South Africa. Journal of Zoology, 2007, 274, 070824081249002-???.	1.7	45
39	Complex, Dynamic Combination of Physical, Chemical and Nutritional Variables Controls Spatio-Temporal Variation of Sandy Beach Community Structure. PLoS ONE, 2011, 6, e23724.	2.5	45
40	Strengthening confidence in climate change impact science. Global Ecology and Biogeography, 2015, 24, 64-76.	5.8	45
41	Combined effects of urbanization and connectivity on iconic coastal fishes. Diversity and Distributions, 2016, 22, 1328-1341.	4.1	44
42	VoCC: An <code>r</code> package for calculating the velocity of climate change and related climatic metrics. Methods in Ecology and Evolution, 2019, 10, 2195-2202.	5.2	42
43	Spatial Access Priority Mapping (SAPM) with Fishers: A Quantitative GIS Method for Participatory Planning. PLoS ONE, 2013, 8, e68424.	2.5	42
44	Umbrellas can work under water: Using threatened species as indicator and management surrogates can improve coastal conservation. Estuarine, Coastal and Shelf Science, 2017, 199, 132-140.	2.1	41
45	Donor-Control of Scavenging Food Webs at the Land-Ocean Interface. PLoS ONE, 2013, 8, e68221.	2.5	40
46	An evaluation of acoustic seabed classification techniques for marine biotope monitoring over broad-scales (>1km ²) and meso-scales (10m ² –1km ²). Estuarine, Coastal and Shelf Science, 2011, 93, 336-349.	2.1	38
47	Hemispheric asymmetry in ocean change and the productivity of ecosystem sentinels. Science, 2021, 372, 980-983.	12.6	38
48	Setting conservation targets for sandy beach ecosystems. Estuarine, Coastal and Shelf Science, 2014, 150, 45-57.	2.1	37
49	Conservation gone to the dogs: when canids rule the beach in small coastal reserves. Biodiversity and Conservation, 2015, 24, 493-509.	2.6	37
50	Understanding Long-Term Variations in an Elephant Piosphere Effect to Manage Impacts. PLoS ONE, 2012, 7, e45334.	2.5	36
51	Estimating animal populations and body sizes from burrows: Marine ecologists have their heads buried in the sand. Journal of Sea Research, 2016, 112, 55-64.	1.6	36
52	Swashed away? Storm impacts on sandy beach macrofaunal communities. Estuarine, Coastal and Shelf Science, 2011, 94, 210-221.	2.1	35
53	Using multivariate statistics to explore trade-offs among spatial planning scenarios. Journal of Applied Ecology, 2014, 51, 1504-1514.	4.0	30
54	Dietary generalism accelerates arrival and persistence of coral-reef fishes in their novel ranges under climate change. Global Change Biology, 2020, 26, 5564-5573.	9.5	28

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55	Testing Bergmann's rule in marine copepods. <i>Ecography</i> , 2021, 44, 1283-1295.	4.5	28
56	Frequency and distribution of melanistic morphs in coexisting population of nine clownfish species in Papua New Guinea. <i>Marine Biology</i> , 2016, 163, 1.	1.5	27
57	Edging along a Warming Coast: A Range Extension for a Common Sandy Beach Crab. <i>PLoS ONE</i> , 2015, 10, e0141976.	2.5	26
58	Functional replacement across species pools of vertebrate scavengers separated at a continental scale maintains an ecosystem function. <i>Functional Ecology</i> , 2016, 30, 998-1005.	3.6	25
59	Measuring species richness on sandy beach transects: extrapolative estimators and their implications for sampling effort. <i>Marine Ecology</i> , 2008, 29, 134-149.	1.1	23
60	Conservation Benefits of Marine Reserves are Undiminished Near Coastal Rivers and Cities. <i>Conservation Letters</i> , 2015, 8, 312-319.	5.7	23
61	Incorporating climate velocity into the design of climate-smart networks of marine protected areas. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1969-1983.	5.2	22
62	Re-framing values for a World Heritage future: what type of icon will K'gari-Fraser Island become?. <i>Australasian Journal of Environmental Management</i> , 2015, 22, 124-148.	1.1	21
63	Ecological research questions to inform policy and the management of sandy beaches. <i>Ocean and Coastal Management</i> , 2017, 148, 158-163.	4.4	21
64	Optimising Land-Sea Management for Inshore Coral Reefs. <i>PLoS ONE</i> , 2016, 11, e0164934.	2.5	20
65	Towards climate-smart, three-dimensional protected areas for biodiversity conservation in the high seas. <i>Nature Climate Change</i> , 2022, 12, 402-407.	18.8	20
66	Open access solutions for biodiversity journals: Do not replace one problem with another. <i>Diversity and Distributions</i> , 2019, 25, 5-8.	4.1	19
67	Regional drivers of clutch loss reveal important trade-offs for beach-nesting birds. <i>PeerJ</i> , 2016, 4, e2460.	2.0	19
68	The Commercial Fisheries for <i>Jasus</i> and <i>Palinurus</i> Species in the South-East Atlantic and South-West Indian Oceans. , 0, , 105-120.		18
69	Open-coast sandy beaches and coastal dunes. , 2014, , 37-94.		18
70	A current affair: entanglement of humpback whales in coastal shark-control nets. <i>Remote Sensing in Ecology and Conservation</i> , 2020, 6, 119-128.	4.3	18
71	Macroscale patterns in body size of intertidal crustaceans provide insights on climate change effects. <i>PLoS ONE</i> , 2017, 12, e0177116.	2.5	18
72	International, regional and national commitments meet local implementation: A case study of marine conservation in Northern Ireland. <i>Marine Policy</i> , 2013, 38, 140-150.	3.2	17

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73	Development of benthic monitoring methods using photoquadrats and scuba on heterogeneous hardâ€substrata: a boulderâ€slope community case study. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2011, 21, 676-689.	2.0	16
74	Environmental impact assessments can misrepresent species distributions: a case study of koalas in Queensland, Australia. <i>Animal Conservation</i> , 2019, 22, 314-323.	2.9	16
75	Longâ€term monitoring reveals differing impacts of elephants on elements of a canopy shrub community. <i>Ecological Applications</i> , 2014, 24, 2002-2012.	3.8	15
76	Incorporating the spatial access priorities of fishers into strategic conservation planning and marine protected area design: reducing cost and increasing transparency. <i>ICES Journal of Marine Science</i> , 2015, 72, 587-594.	2.5	15
77	Achieving sustainable and climateâ€resilient fisheries requires marine ecosystem forecasts to include fish condition. <i>Fish and Fisheries</i> , 2021, 22, 1067-1084.	5.3	15
78	Intertidal habitat composition and regional-scale shoreline morphology along the Benguela coast. <i>Journal of Coastal Conservation</i> , 2013, 17, 143-154.	1.6	14
79	Resource type influences the effects of reserves and connectivity on ecological functions. <i>Journal of Animal Ecology</i> , 2016, 85, 437-444.	2.8	14
80	Eastern water dragons modify their social tactics with respect to the location within their home range. <i>Animal Behaviour</i> , 2018, 144, 27-36.	1.9	14
81	Development of low-cost image mosaics of hard-bottom sessile communities using SCUBA: comparisons of optical media and of proxy measures of community structure. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2012, 92, 49-62.	0.8	13
82	Relative influence of oceanic and terrestrial pressure systems in driving upwellingâ€favorable winds. <i>Geophysical Research Letters</i> , 2013, 40, 5311-5315.	4.0	13
83	Resource utilization and trophic niche width in sandy beach macrobenthos from an oligotrophic coast. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 184, 115-125.	2.1	13
84	Quantifying trends and predictors of decline in eastern grey kangaroo (<i>Macropus giganteus</i>) populations in a rapidly urbanising landscape. <i>Pacific Conservation Biology</i> , 2018, 24, 63.	1.0	13
85	Like night and day: Reversals of thermal gradients across ghost crab burrows and their implications for thermal ecology. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 203, 127-136.	2.1	12
86	From beans to breams: how participatory workshops can contribute to marine conservation planning. <i>African Journal of Marine Science</i> , 2008, 30, 475-487.	1.1	11
87	The value of attribution. <i>Nature Climate Change</i> , 2011, 1, 70-71.	18.8	11
88	Classification of marine bioregions on the east coast of South Africa. <i>African Journal of Marine Science</i> , 2018, 40, 51-65.	1.1	10
89	Better Model Transfers Require Knowledge of Mechanisms. <i>Trends in Ecology and Evolution</i> , 2019, 34, 489-490.	8.7	10
90	Effect of introduced <i>Casuarina</i> trees on the vulnerability of sea turtle nesting beaches to erosion. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 223, 147-158.	2.1	10

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91	Larval and early juvenile culture of two giant clam (Tridacninae) hybrids. <i>Aquaculture</i> , 2019, 500, 500-505.	3.5	10
92	Influence of heterotrophic feeding on the survival and tissue growth rates of <i>Galaxea fascicularis</i> (Octocorralia: Octulinidae) in aquaria. <i>Aquaculture</i> , 2012, 330-333, 156-161.	3.5	8
93	Shell Use, Population Structure, and Reproduction of the Hermit Crab, <i>Clibanarius virescens</i> (Kraus.) <i>Tj ETQq1 1 0.784314 rgBT /Over</i>	0.8	7
94	Use of total allowable catch to regulate a selective marine aquarium fishery. <i>Marine Policy</i> , 2018, 90, 160-167.	3.2	7
95	Fixed-station monitoring of a harbour wall community: the utility of low-cost photomosaics and scuba on hard substrata. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2011, 21, 690-703.	2.0	6
96	Sea animals are more vulnerable to warming than are land ones. <i>Nature</i> , 2019, 569, 50-51.	27.8	6
97	Natural and anthropogenic climate variability shape assemblages of range-extending coral-reef fishes. <i>Journal of Biogeography</i> , 2021, 48, 1063-1075.	3.0	6
98	Comparing random forests and convoluted neural networks for mapping ghost crab burrows using imagery from an unmanned aerial vehicle. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 224, 84-93.	2.1	5
99	Fitness benefits of male dominance behaviours depend on the degree of individual inbreeding in a polyandrous lizard. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200097.	2.6	4
100	First report of <i>Kudoa thunni</i> and <i>Kudoa musculoliquefaciens</i> affecting the quality of commercially harvested yellowfin tuna and broadbill swordfish in Eastern Australia. <i>Parasitology Research</i> , 2021, 120, 2493-2503.	1.6	4
101	Quantifying finer-scale behaviours using self-organising maps (SOMs) to link accelerometry signatures with behavioural patterns in free-roaming terrestrial animals. <i>Scientific Reports</i> , 2021, 11, 13566.	3.3	4
102	Invasive Species Unchecked by Climate's Response. <i>Science</i> , 2012, 335, 538-539.	12.6	3
103	Opposing life stage-specific effects of ocean warming at source and sink populations of range-shifting coral-reef fishes. <i>Journal of Animal Ecology</i> , 2021, 90, 615-627.	2.8	3
104	Robust science underpinning legislation can create better outcomes for threatened species impacted by infrastructure projects. <i>Animal Conservation</i> , 2019, 22, 328-330.	2.9	2
105	Evidence-based conservation management of elephants: the case of the Important Plants in Addo Elephant National Park, South Africa. <i>Journal of Zoology</i> , 2009, 277, 108-110.	1.7	0