David S Schoeman

List of Publications by Year in Descending Order

104 papers	7,629 citations	34 h-index	87 g-index
111 ext. papers	9,422 ext. citations	8.2 avg, IF	5.76 L-index

#	Paper	IF	Citations
104	Towards climate-smart, three-dimensional protected areas for biodiversity conservation in the high seas. *Nature Climate Change*, **2022**, 12, 402-407	21.4	0
103	Global warming is causing a more pronounced dip in marine species richness around the equator. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	23
102	Hemispheric asymmetry in ocean change and the productivity of ecosystem sentinels. *Science*, **2021**, 372, 980-983	33.3	12
101	Achieving sustainable and climate-resilient fisheries requires marine ecosystem forecasts to include fish condition. *Fish and Fisheries*, **2021**, 22, 1067-1084	6	1
100	First report of Kudoa thunni and Kudoa musculoliquefaciens affecting the quality of commercially harvested yellowfin tuna and broadbill swordfish in Eastern Australia. *Parasitology Research*, **2021**, 120, 2493-2503	2.4	
99	Quantifying finer-scale behaviours using self-organising maps (SOMs) to link accelerometery signatures with behavioural patterns in free-roaming terrestrial animals. *Scientific Reports*, **2021**, 11, 13566	4.9	2
98	Opposing life stage-specific effects of ocean warming at source and sink populations of range-shifting coral-reef fishes. *Journal of Animal Ecology*, **2021**, 90, 615-627	4.7	0
97	Natural and anthropogenic climate variability shape assemblages of range-extending coral-reef fishes. *Journal of Biogeography*, **2021**, 48, 1063-1075	4.1	3
96	Testing Bergmann's rule in marine copepods. *Ecography*, **2021**, 44, 1283-1295	6.5	0
95	Incorporating climate velocity into the design of climate-smart networks of marine protected areas. *Methods in Ecology and Evolution*, **2021**, 12, 1969	7.7	1
94	Fitness benefits of male dominance behaviours depend on the degree of individual inbreeding in a polyandrous lizard. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20200097	4.4	0
93	Dietary generalism accelerates arrival and persistence of coral-reef fishes in their novel ranges under climate change. *Global Change Biology*, **2020**, 26, 5564-5573	11.4	13
92	A current affair: entanglement of humpback whales in coastal shark-control nets. *Remote Sensing in Ecology and Conservation*, **2020**, 6, 119-128	5.3	2
91	Marine heat waves threaten kelp forests. *Science*, **2020**, 367, 635	33.3	19
90	Climate velocity reveals increasing exposure of deep-ocean biodiversity to future warming. *Nature Climate Change*, **2020**, 10, 576-581	21.4	38
89	VoCC: An r package for calculating the velocity of climate change and related climatic metrics. *Methods in Ecology and Evolution*, **2019**, 10, 2195-2202	7.7	13
88	Comparing random forests and convoluted neural networks for mapping ghost crab burrows using imagery from an unmanned aerial vehicle. *Estuarine, Coastal and Shelf Science*, **2019**, 224, 84-93	2.9	4

87	Better Model Transfers Require Knowledge of Mechanisms. *Trends in Ecology and Evolution*, **2019**, 34, 489-490	10.9	8
86	Effect of introduced Casuarina trees on the vulnerability of sea turtle nesting beaches to erosion. *Estuarine, Coastal and Shelf Science*, **2019**, 223, 147-158	2.9	4
85	Robust science underpinning legislation can create better outcomes for threatened species impacted by infrastructure projects. *Animal Conservation*, **2019**, 22, 328-330	3.2	2
84	Extreme Marine Heatwaves Alter Kelp Forest Community Near Its Equatorward Distribution Limit. *Frontiers in Marine Science*, **2019**, 6,	4.5	52
83	Ocean community warming responses explained by thermal affinities and temperature gradients. *Nature Climate Change*, **2019**, 9, 959-963	21.4	67
82	Open access solutions for biodiversity journals: Do not replace one problem with another. *Diversity and Distributions*, **2019**, 25, 5-8	5	10
81	Larval and early juvenile culture of two giant clam (Tridacninae) hybrids. *Aquaculture*, **2019**, 500, 500-505	4.4	8
80	Environmental impact assessments can misrepresent species distributions: a case study of koalas in Queensland, Australia. *Animal Conservation*, **2019**, 22, 314-323	3.2	9
79	Classification of marine bioregions on the east coast of South Africa. *African Journal of Marine Science*, **2018**, 40, 51-65	0.8	5
78	Like night and day: Reversals of thermal gradients across ghost crab burrows and their implications for thermal ecology. *Estuarine, Coastal and Shelf Science*, **2018**, 203, 127-136	2.9	7
77	Use of total allowable catch to regulate a selective marine aquarium fishery. *Marine Policy*, **2018**, 90, 160-167	3.5	5
76	Climate Velocity Can Inform Conservation in a Warming World. *Trends in Ecology and Evolution*, **2018**, 33, 441-457	10.9	66
75	Outstanding Challenges in the Transferability of Ecological Models. *Trends in Ecology and Evolution*, **2018**, 33, 790-802	10.9	213
74	Quantifying trends and predictors of decline in eastern grey kangaroo (Macropus giganteus) populations in a rapidly urbanising landscape. *Pacific Conservation Biology*, **2018**, 24, 63	1.2	9
73	Eastern water dragons modify their social tactics with respect to the location within their home range. *Animal Behaviour*, **2018**, 144, 27-36	2.8	6
72	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	2.9	30
71	Ecological research questions to inform policy and the management of sandy beaches. *Ocean and Coastal Management*, **2017**, 148, 158-163	3.9	14
70	Resource utilization and trophic niche width in sandy beach macrobenthos from an oligotrophic coast. *Estuarine, Coastal and Shelf Science*, **2017**, 184, 115-125	2.9	7

69	Macroscale patterns in body size of intertidal crustaceans provide insights on climate change effects. *PLoS ONE*, **2017**, 12, e0177116	3.7	12
68	Climate velocity and the future global redistribution of marine biodiversity. *Nature Climate Change*, **2016**, 6, 83-88	21.4	265
67	Frequency and distribution of melanistic morphs in coexisting population of nine clownfish species in Papua New Guinea. *Marine Biology*, **2016**, 163, 1	2.5	7
66	Functional replacement across species pools of vertebrate scavengers separated at a continental scale maintains an ecosystem function. *Functional Ecology*, **2016**, 30, 998-1005	5.6	19
65	Human threats to sandy beaches: A meta-analysis of ghost crabs illustrates global anthropogenic impacts.. *Estuarine, Coastal and Shelf Science*, **2016**, 169, 56-73	2.9	76
64	Optimising Land-Sea Management for Inshore Coral Reefs. *PLoS ONE*, **2016**, 11, e0164934	3.7	18
63	Regional drivers of clutch loss reveal important trade-offs for beach-nesting birds. *PeerJ*, **2016**, 4, e2460	3.1	16
62	Responses of Marine Organisms to Climate Change across Oceans. *Frontiers in Marine Science*, **2016**, 3,	4.5	369
61	Ecological and methodological drivers of speciesSdistribution and phenology responses to climate change. *Global Change Biology*, **2016**, 22, 1548-60	11.4	113
60	Resource type influences the effects of reserves and connectivity on ecological functions. *Journal of Animal Ecology*, **2016**, 85, 437-44	4.7	13
59	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	1.9	23
58	Combined effects of urbanization and connectivity on iconic coastal fishes. *Diversity and Distributions*, **2016**, 22, 1328-1341	5	25
57	Ocean zoning for conservation, fisheries and marine renewable energy: assessing trade-offs and co-location opportunities. *Journal of Environmental Management*, **2015**, 152, 201-9	7.9	54
56	Invasive carnivores alter ecological function and enhance complementarity in scavenger assemblages on ocean beaches. *Ecology*, **2015**, 96, 2715-25	4.6	32
55	Quantifying cumulative threats to sandy beach ecosystems: A tool to guide ecosystem-based management beyond coastal reserves. *Ocean and Coastal Management*, **2015**, 110, 12-24	3.9	40
54	Strengthening confidence in climate change impact science. *Global Ecology and Biogeography*, **2015**, 24, 64-76	6.1	33
53	Incorporating the spatial access priorities of fishers into strategic conservation planning and marine protected area design: reducing cost and increasing transparency. *ICES Journal of Marine Science*, **2015**, 72, 587-594	2.7	13
52	Conservation gone to the dogs: when canids rule the beach in small coastal reserves. *Biodiversity and Conservation*, **2015**, 24, 493-509	3.4	28

51	Limited functional redundancy in vertebrate scavenger guilds fails to compensate for the loss of raptors from urbanized sandy beaches. *Diversity and Distributions*, **2015**, 21, 55-63	5	44
50	Conservation Benefits of Marine Reserves are Undiminished Near Coastal Rivers and Cities. *Conservation Letters*, **2015**, 8, 312-319	6.9	17
49	Re-framing values for a World Heritage future: what type of icon will KSgari-Fraser Island become?. *Australasian Journal of Environmental Management*, **2015**, 22, 124-148	2	15
48	Under Pressure: Climate Change, Upwelling, and Eastern Boundary Upwelling Ecosystems. *Frontiers in Marine Science*, **2015**, 2,	4.5	92
47	Edging along a Warming Coast: A Range Extension for a Common Sandy Beach Crab. *PLoS ONE*, **2015**, 10, e0141976	3.7	17
46	Golden opportunities: A horizon scan to expand sandy beach ecology. *Estuarine, Coastal and Shelf Science*, **2015**, 157, 1-6	2.9	33
45	Geographical limits to species-range shifts are suggested by climate velocity. *Nature*, **2014**, 507, 492-5	50.4	343
44	Climate-change impacts on sandy-beach biota: crossing a line in the sand. *Global Change Biology*, **2014**, 20, 2383-92	11.4	47
43	The status of sandy beach science: Past trends, progress, and possible futures. *Estuarine, Coastal and Shelf Science*, **2014**, 150, 1-10	2.9	58
42	Metrics to assess ecological condition, change, and impacts in sandy beach ecosystems. *Journal of Environmental Management*, **2014**, 144, 322-35	7.9	48
41	Using multivariate statistics to explore trade-offs among spatial planning scenarios. *Journal of Applied Ecology*, **2014**, 51, 1504-1514	5.8	21
40	Climate change. Climate change and wind intensification in coastal upwelling ecosystems. *Science*, **2014**, 345, 77-80	33.3	316
39	Rich diversity, strong endemism, but poor protection: addressing the neglect of sandy beach ecosystems in coastal conservation planning. *Diversity and Distributions*, **2014**, 20, 1120-1135	5	38
38	Setting conservation targets for sandy beach ecosystems. *Estuarine, Coastal and Shelf Science*, **2014** , 150, 45-57	2.9	29
37	Long-term monitoring reveals differing impacts of elephants on elements of a canopy shrub community **2014**, 24, 2002-12		11
36	Global imprint of climate change on marine life. *Nature Climate Change*, **2013**, 3, 919-925	21.4	1141
35	Intertidal habitat composition and regional-scale shoreline morphology along the Benguela coast. *Journal of Coastal Conservation*, **2013**, 17, 143-154	1.9	12
34	Urbanisation alters processing of marine carrion on sandy beaches. *Landscape and Urban Planning*, **2013**, 119, 1-8	7.7	60

33	Relative influence of oceanic and terrestrial pressure systems in driving upwelling-favorable winds. *Geophysical Research Letters*, **2013**, 40, 5311-5315	4.9	11
32	Beyond climate change attribution in conservation and ecological research. *Ecology Letters*, **2013**, 16 Suppl 1, 58-71	10	137
31	International, regional and national commitments meet local implementation: A case study of marine conservation in Northern Ireland. *Marine Policy*, **2013**, 38, 140-150	3.5	15
30	The coral sea: physical environment, ecosystem status and biodiversity assets. *Advances in Marine Biology*, **2013**, 66, 213-90	2.1	33
29	Donor-Control of Scavenging Food Webs at the Land-Ocean Interface. *PLoS ONE*, **2013**, 8, e68221	3.7	29
28	Spatial access priority mapping (SAPM) with fishers: a quantitative GIS method for participatory planning. *PLoS ONE*, **2013**, 8, e68424	3.7	37
27	Shift in black rhinoceros diet in the presence of elephant: evidence for competition?. *PLoS ONE*, **2013**, 8, e69771	3.7	34
26	Influence of heterotrophic feeding on the survival and tissue growth rates of Galaxea fascicularis (Octocorralia: Occulinidae) in aquaria. *Aquaculture*, **2012**, 330-333, 156-161	4.4	7
25	Shell Use, Population Structure, and Reproduction of the Hermit Crab, Clibanarius virescens (Kraus, 1843) at Cape Recife, South Africa. *Journal of Crustacean Biology*, **2012**, 32, 203-214	0.8	6
24	Understanding long-term variations in an elephant piosphere effect to manage impacts. *PLoS ONE*, **2012**, 7, e45334	3.7	26
23	Climate change and marine life. *Biology Letters*, **2012**, 8, 907-9	3.6	50
22	Invasive Species Unchecked by Climate--Response. *Science*, **2012**, 335, 538-539	33.3	3
21	Development of low-cost image mosaics of hard-bottom sessile communities using SCUBA: comparisons of optical media and of proxy measures of community structure. *Journal of the Marine Biological Association of the United Kingdom*, **2012**, 92, 49-62	1.1	10
20	The pace of shifting climate in marine and terrestrial ecosystems. *Science*, **2011**, 334, 652-5	33.3	852
19	Complex, dynamic combination of physical, chemical and nutritional variables controls spatio-temporal variation of sandy beach community structure. *PLoS ONE*, **2011**, 6, e23724	3.7	36
18	The value of attribution. *Nature Climate Change*, **2011**, 1, 70-71	21.4	10
17	Quantitative approaches in climate change ecology. *Global Change Biology*, **2011**, 17, 3697-3713	11.4	106
16	Mapping beach morphodynamics remotely: A novel application tested on South African sandy shores. *Estuarine, Coastal and Shelf Science*, **2011**, 92, 78-89	2.9	49

15	An evaluation of acoustic seabed classification techniques for marine biotope monitoring over broad-scales (>1 km2) and meso-scales (10 m2 1 km2). *Estuarine, Coastal and Shelf Science*, **2011**, 93, 336-349	2.9	30
14	Swashed away? Storm impacts on sandy beach macrofaunal communities. *Estuarine, Coastal and Shelf Science*, **2011**, 94, 210-221	2.9	30
13	Development of benthic monitoring methods using photoquadrats and scuba on heterogeneous hard-substrata: a boulder-slope community case study. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2011**, 21, 676-689	2.6	11
12	Fixed-station monitoring of a harbour wall community: the utility of low-cost photomosaics and scuba on hard-substrata. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2011**, 21, 690-703	2.6	4
11	Give beach ecosystems their day in the sun. *Science*, **2010**, 329, 1146	33.3	76
10	Threats to sandy beach ecosystems: A review. *Estuarine, Coastal and Shelf Science*, **2009**, 81, 1-12	2.9	721
9	Evidence-based conservation management of elephants: the case of the Important Plants in Addo Elephant National Park, South Africa. *Journal of Zoology*, **2009**, 277, 108-110	2	
8	Sandy beach ecosystems: key features, sampling issues, management challenges and climate change impacts. *Marine Ecology*, **2008**, 29, 70-90	1.4	278
7	Measuring species richness on sandy beach transects: extrapolative estimators and their implications for sampling effort. *Marine Ecology*, **2008**, 29, 134-149	1.4	19
6	From beans to breams: how participatory workshops can contribute to marine conservation planning. *African Journal of Marine Science*, **2008**, 30, 475-487	0.8	10
5	Relevance of elephant herbivory as a threat to Important Plants in the Addo Elephant National Park, South Africa. *Journal of Zoology*, **2007**, 274, 070824081249002-???	2	30
4	Sandy beaches at the brink. *Diversity and Distributions*, **2007**, 13, 556-560	5	271
3	Climate impact on plankton ecosystems in the Northeast Atlantic. *Science*, **2004**, 305, 1609-12	33.3	524
2	Open-coast sandy beaches and coastal dunes37-94		10
1	The Commercial Fisheries for Jasus and Palinurus Species in the South-East Atlantic and South-West Indian Oceans105-120		6