

# Derek P Tittensor

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6965035/publications.pdf>

Version: 2024-02-01

74  
papers

10,291  
citations

76196

40  
h-index

85405

71  
g-index

82  
all docs

82  
docs citations

82  
times ranked

15681  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tropicalization of temperate reef fish communities facilitated by urchin grazing and diversity of thermal affinities. <i>Global Ecology and Biogeography</i> , 2022, 31, 995-1005.	2.7	4
2	Potential impacts of climate change on agriculture and fisheries production in 72 tropical coastal communities. <i>Nature Communications</i> , 2022, 13, .	5.8	17
3	Three Key considerations for biodiversity conservation in multilateral agreements. <i>Conservation Letters</i> , 2021, 14, e12764.	2.8	6
4	Thirty-six years of legal and illegal wildlife trade entering the USA. <i>Oryx</i> , 2021, 55, 432-441.	0.5	13
5	The status of climate change adaptation in fisheries management: Policy, legislation and implementation. <i>Fish and Fisheries</i> , 2021, 22, 1248-1273.	2.7	38
6	Disentangling diverse responses to climate change among global marine ecosystem models. <i>Progress in Oceanography</i> , 2021, 198, 102659.	1.5	42
7	A New Approach to Evaluate and Reduce Uncertainty of Model-Based Biodiversity Projections for Conservation Policy Formulation. <i>BioScience</i> , 2021, 71, 1261-1273.	2.2	6
8	Next-generation ensemble projections reveal higher climate risks for marine ecosystems. <i>Nature Climate Change</i> , 2021, 11, 973-981.	8.1	96
9	Beyond static spatial management: Scientific and legal considerations for dynamic management in the high seas. <i>Marine Policy</i> , 2020, 122, 104102.	1.5	27
10	Non-linear changes in modelled terrestrial ecosystems subjected to perturbations. <i>Scientific Reports</i> , 2020, 10, 14051.	1.6	16
11	Advancing Global Ecological Modeling Capabilities to Simulate Future Trajectories of Change in Marine Ecosystems. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	43
12	Future ocean biomass losses may widen socioeconomic equity gaps. <i>Nature Communications</i> , 2020, 11, 2235.	5.8	43
13	Evaluating the relationships between the legal and illegal international wildlife trades. <i>Conservation Letters</i> , 2020, 13, e12724.	2.8	23
14	Past and future decline of tropical pelagic biodiversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12891-12896.	3.3	67
15	Incorporating climate change adaptation into marine protected area planning. <i>Global Change Biology</i> , 2020, 26, 3251-3267.	4.2	103
16	The uptake of the biosphere integrity planetary boundary concept into national and international environmental policy. <i>Global Ecology and Conservation</i> , 2020, 22, e01029.	1.0	3
17	Differing marine animal biomass shifts under 21st century climate change between Canada's three oceans. <i>Facets</i> , 2020, 5, 105-122.	1.1	20
18	Climate-change impacts and fisheries management challenges in the North Atlantic Ocean. <i>Marine Ecology - Progress Series</i> , 2020, 648, 1-17.	0.9	16

#	ARTICLE	IF	CITATIONS
19	Time Machine Biology: Cross-Timescale Integration of Ecology, Evolution, and Oceanography. <i>Oceanography</i> , 2020, 33, .	0.5	28
20	Metabolic asymmetry and the global diversity of marine predators. <i>Science</i> , 2019, 363, .	6.0	81
21	Global ensemble projections reveal trophic amplification of ocean biomass declines with climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12907-12912.	3.3	357
22	State-of-the-art global models underestimate impacts from climate extremes. <i>Nature Communications</i> , 2019, 10, 1005.	5.8	168
23	Integrating climate adaptation and biodiversity conservation in the global ocean. <i>Science Advances</i> , 2019, 5, eaay9969.	4.7	133
24	Twenty-first-century climate change impacts on marine animal biomass and ecosystem structure across ocean basins. <i>Global Change Biology</i> , 2019, 25, 459-472.	4.2	151
25	Present and future biodiversity risks from fossil fuel exploitation. <i>Conservation Letters</i> , 2018, 11, e12448.	2.8	78
26	Unveiling the patterns and trends in 40-year years of global trade in CITES-listed wildlife. <i>Biological Conservation</i> , 2018, 223, 47-57.	1.9	105
27	A protocol for the intercomparison of marine fishery and ecosystem models: Fish-MIP v1.0. <i>Geoscientific Model Development</i> , 2018, 11, 1421-1442.	1.3	116
28	The environmental niche of the global high seas pelagic longline fleet. <i>Science Advances</i> , 2018, 4, eaat3681.	4.7	38
29	Combining marine macroecology and palaeoecology in understanding biodiversity: microfossils as a model. <i>Biological Reviews</i> , 2017, 92, 199-215.	4.7	76
30	Linked sustainability challenges and trade-offs among fisheries, aquaculture and agriculture. <i>Nature Ecology and Evolution</i> , 2017, 1, 1240-1249.	3.4	161
31	Assessing the impacts of 1.5°C global warming “ simulation protocol of the Inter-Sectoral Impact Model Intercomparison Project (ISIMIP2b). <i>Geoscientific Model Development</i> , 2017, 10, 4321-4345.	1.3	410
32	A neutral metabolic theory of latitudinal biodiversity. <i>Global Ecology and Biogeography</i> , 2016, 25, 630-641.	2.7	32
33	Sufficiency and Suitability of Global Biodiversity Indicators for Monitoring Progress to 2020 Targets. <i>Conservation Letters</i> , 2016, 9, 489-494.	2.8	29
34	Synergistic impacts of habitat loss and fragmentation on model ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161027.	1.2	32
35	Deep-sea diversity patterns are shaped by energy availability. <i>Nature</i> , 2016, 533, 393-396.	13.7	202
36	Integrating modelling of biodiversity composition and ecosystem function. <i>Oikos</i> , 2016, 125, 10-19.	1.2	32

#	ARTICLE	IF	CITATIONS
37	How solitary are white sharks: social interactions or just spatial proximity?. Behavioral Ecology and Sociobiology, 2016, 70, 1735-1744.	0.6	20
38	Inferred support for disturbance-recovery hypothesis of North Atlantic phytoplankton blooms. Journal of Geophysical Research: Oceans, 2015, 120, 7067-7090.	1.0	15
39	Marine extinction risk shaped by trait-environment interactions over 500 million years. Global Change Biology, 2015, 21, 3595-3607.	4.2	31
40	Paleontological baselines for evaluating extinction risk in the modern oceans. Science, 2015, 348, 567-570.	6.0	111
41	Ecosystem vulnerability to ocean warming. Nature, 2015, 528, 43-44.	13.7	3
42	A global map to aid the identification and screening of critical habitat for marine industries. Marine Policy, 2015, 53, 45-53.	1.5	44
43	Emergent Global Patterns of Ecosystem Structure and Function from a Mechanistic General Ecosystem Model. PLoS Biology, 2014, 12, e1001841.	2.6	159
44	Integrated assessment models for ecologists: the present and the future. Global Ecology and Biogeography, 2014, 23, 124-143.	2.7	52
45	Wealth in the Oceans: Deep sea mining on the horizon?. Environmental Development, 2014, 12, 50-61.	1.8	11
46	A mid-term analysis of progress toward international biodiversity targets. Science, 2014, 346, 241-244.	6.0	949
47	Worldwide distributions of tuna larvae: revisiting hypotheses on environmental requirements for spawning habitats. Marine Ecology - Progress Series, 2014, 501, 207-224.	0.9	74
48	Temperate hotspots. Nature, 2013, 501, 494-495.	13.7	3
49	Time to model all life on Earth. Nature, 2013, 493, 295-297.	13.7	130
50	Comment on "Can We Name Earth's Species Before They Go Extinct?". Science, 2013, 341, 237-237.	6.0	31
51	Scorecard for the seas. Nature, 2012, 488, 594-595.	13.7	1
52	Extinctions in ancient and modern seas. Trends in Ecology and Evolution, 2012, 27, 608-617.	4.2	221
53	Energetics of life on the deep seafloor. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15366-15371.	3.3	133
54	High connectivity among habitats precludes the relationship between dispersal and range size in tropical reef fishes. Ecography, 2012, 35, 89-96.	2.1	90

#	ARTICLE	IF	CITATIONS
55	Global habitat suitability of cold-water octocorals. <i>Journal of Biogeography</i> , 2012, 39, 1278-1292.	1.4	173
56	How Many Species Are There on Earth and in the Ocean?. <i>PLoS Biology</i> , 2011, 9, e1001127.	2.6	1,970
57	Species-area energy relationships in deep-sea molluscs. <i>Biology Letters</i> , 2011, 7, 718-722.	1.0	71
58	Elevated species diversity in abyssal gastropods off Newfoundland: the potential role of food supply. <i>Marine Biodiversity</i> , 2011, 41, 537-544.	0.3	0
59	Range contraction in large pelagic predators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11942-11947.	3.3	127
60	Global Human Footprint on the Linkage between Biodiversity and Ecosystem Functioning in Reef Fishes. <i>PLoS Biology</i> , 2011, 9, e1000606.	2.6	249
61	Current and Future Patterns of Global Marine Mammal Biodiversity. <i>PLoS ONE</i> , 2011, 6, e19653.	1.1	170
62	Acute effects of removing large fish from a near-pristine coral reef. <i>Marine Biology</i> , 2010, 157, 2739-2750.	0.7	50
63	Global patterns and predictors of marine biodiversity across taxa. <i>Nature</i> , 2010, 466, 1098-1101.	13.7	1,131
64	Environmental drivers of ophiuroid species richness on seamounts. <i>Marine Ecology</i> , 2010, 31, 26-38.	0.4	36
65	An index to assess the risk to stony corals from bottom trawling on seamounts. <i>Marine Ecology</i> , 2010, 31, 200-211.	0.4	51
66	Seamounts as refugia from ocean acidification for cold-water stony corals. <i>Marine Ecology</i> , 2010, 31, 212-225.	0.4	105
67	Deep, diverse and definitely different: unique attributes of the world's largest ecosystem. <i>Biogeosciences</i> , 2010, 7, 2851-2899.	1.3	619
68	Predicting global habitat suitability for stony corals on seamounts. <i>Journal of Biogeography</i> , 2009, 36, 1111-1128.	1.4	264
69	The completeness of taxonomic inventories for describing the global diversity and distribution of marine fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 149-155.	1.2	162
70	Effects of temperature on global patterns of tuna and billfish richness. <i>Marine Ecology - Progress Series</i> , 2008, 355, 267-276.	0.9	100
71	Human impacts on the species-area relationship in reef fish assemblages. <i>Ecology Letters</i> , 2007, 10, 760-772.	3.0	57
72	Modelling the distribution, sustainability and diapause emergence timing of the copepod <i>Calanus finmarchicus</i> in the Labrador Sea. <i>Fisheries Oceanography</i> , 2003, 12, 299-316.	0.9	28

#	ARTICLE	IF	CITATIONS
73	Key impacts of climate engineering on biodiversity and ecosystems, with priorities for future research. <i>Journal of Integrative Environmental Sciences</i> , 0, , 1-26.	1.0	11
74	Global Patterns in Marine Biodiversity. , 0, , 501-524.		3