

Nicholas K Dulvy

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

154
papers

18,061
citations

63
h-index

134
g-index

174
ext. papers

21,480
ext. citations

7.5
avg, IF

6.88
L-index

#	Paper	IF	Citations
154	Extinction risk and conservation of the world's sharks and rays. <i>ELife</i> , 2014 , 3, e00590	8.9	1000
153	The impact of conservation on the status of the world's vertebrates. <i>Science</i> , 2010 , 330, 1503-9	33.3	948
152	The effects of fishing on sharks, rays, and chimaeras (chondrichthyans), and the implications for marine ecosystems. <i>ICES Journal of Marine Science</i> , 2000 , 57, 476-494	2.7	946
151	Thermal tolerance and the global redistribution of animals. <i>Nature Climate Change</i> , 2012 , 2, 686-690	21.4	799
150	Vulnerability of national economies to the impacts of climate change on fisheries. <i>Fish and Fisheries</i> , 2009 , 10, 173-196	6	755
149	Global analysis of thermal tolerance and latitude in ectotherms. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 1823-30	4.4	749
148	Thermal-safety margins and the necessity of thermoregulatory behavior across latitude and elevation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 5610-5	11.5	630
147	Extinction vulnerability in marine populations. <i>Fish and Fisheries</i> , 2003 , 4, 25-64	6	623
146	Flattening of Caribbean coral reefs: region-wide declines in architectural complexity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 3019-25	4.4	512
145	Climate change and deepening of the North Sea fish assemblage: a biotic indicator of warming seas. <i>Journal of Applied Ecology</i> , 2008 , 45, 1029-1039	5.8	483
144	You can swim but you can't hide: the global status and conservation of oceanic pelagic sharks and rays. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2008 , 18, 459-482	2.6	480
143	The Gulf: a young sea in decline. <i>Marine Pollution Bulletin</i> , 2010 , 60, 13-38	6.7	467
142	The identification of 100 ecological questions of high policy relevance in the UK. <i>Journal of Applied Ecology</i> , 2006 , 43, 617-627	5.8	351
141	Fishery Stability, Local Extinctions, and Shifts in Community Structure in Skates. <i>Conservation Biology</i> , 2000 , 14, 283-293	6	323
140	Coral reef cascades and the indirect effects of predator removal by exploitation. <i>Ecology Letters</i> , 2004 , 7, 410-416	10	317
139	Impacts of climate variability and change on fishery-based livelihoods. <i>Marine Policy</i> , 2010 , 34, 375-383	3.5	295
138	Biology of extinction risk in marine fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005 , 272, 2337-44	4.4	280

137	Current and future sustainability of island coral reef fisheries. <i>Current Biology</i> , 2007 , 17, 655-8	6.3	275
136	Can marine fisheries and aquaculture meet fish demand from a growing human population in a changing climate?. <i>Global Environmental Change</i> , 2012 , 22, 795-806	10.1	268
135	Global marine primary production constrains fisheries catches. <i>Ecology Letters</i> , 2010 , 13, 495-505	10	267
134	Potential consequences of climate change for primary production and fish production in large marine ecosystems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012 , 367, 2979-2989	5.8	235
133	Predicting Extinction Vulnerability in Skates. <i>Conservation Biology</i> , 2002 , 16, 440-450	6	226
132	Ecosystem ecology: size-based constraints on the pyramids of life. <i>Trends in Ecology and Evolution</i> , 2013 , 28, 423-31	10.9	210
131	Challenges and Priorities in Shark and Ray Conservation. <i>Current Biology</i> , 2017 , 27, R565-R572	6.3	190
130	Fish conservation in freshwater and marine realms: status, threats and management. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016 , 26, 838-857	2.6	183
129	Methods of assessing extinction risk in marine fishes. <i>Fish and Fisheries</i> , 2004 , 5, 255-276	6	179
128	The importance of research and public opinion to conservation management of sharks and rays: a synthesis. <i>Marine and Freshwater Research</i> , 2011 , 62, 518	2.2	175
127	Exploitation and habitat degradation as agents of change within coral reef fish communities. <i>Global Change Biology</i> , 2008 , 14, 2796-2809	11.4	173
126	Global-scale predictions of community and ecosystem properties from simple ecological theory. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008 , 275, 1375-83	4.4	166
125	Defining and observing stages of climate-mediated range shifts in marine systems. <i>Global Environmental Change</i> , 2014 , 26, 27-38	10.1	160
124	Sizing up the ecological role of sharks as predators. <i>Marine Ecology - Progress Series</i> , 2014 , 495, 291-298	2.6	150
123	Why have global shark and ray landings declined: improved management or overfishing?. <i>Fish and Fisheries</i> , 2016 , 17, 438-458	6	147
122	Size structural change in lightly exploited coral reef fish communities: evidence for weak indirect effects. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004 , 61, 466-475	2.4	146
121	Do climate and fishing influence size-based indicators of Celtic Sea fish community structure?. <i>ICES Journal of Marine Science</i> , 2005 , 62, 405-411	2.7	140
120	Evolutionary transitions among egg-laying, live-bearing and maternal inputs in sharks and rays. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997 , 264, 1309-1315	4.4	133

119	Bright spots of sustainable shark fishing. <i>Current Biology</i> , 2017 , 27, R97-R98	6.3	127
118	Size-spectra as indicators of the effects of fishing on coral reef fish assemblages. <i>Coral Reefs</i> , 2005 , 24, 118-124	4.2	123
117	Life history correlates of density-dependent recruitment in marine fishes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006 , 63, 494-509	2.4	114
116	Linked sustainability challenges and trade-offs among fisheries, aquaculture and agriculture. <i>Nature Ecology and Evolution</i> , 2017 , 1, 1240-1249	12.3	113
115	Niches versus neutrality: uncovering the drivers of diversity in a species-rich community. <i>Ecology Letters</i> , 2009 , 12, 1079-90	10	113
114	Habitat degradation and fishing effects on the size structure of coral reef fish communities 2010 , 20, 442-51		112
113	Half a century of global decline in oceanic sharks and rays. <i>Nature</i> , 2021 , 589, 567-571	50.4	109
112	Future novel threats and opportunities facing UK biodiversity identified by horizon scanning. <i>Journal of Applied Ecology</i> , 2007 , 45, 821-833	5.8	106
111	Ghosts of the coast: global extinction risk and conservation of sawfishes. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016 , 26, 134-153	2.6	105
110	Reference points and reference directions for size-based indicators of community structure. <i>ICES Journal of Marine Science</i> , 2005 , 62, 397-404	2.7	104
109	Global priorities for conserving the evolutionary history of sharks, rays and chimaeras. <i>Nature Ecology and Evolution</i> , 2018 , 2, 288-298	12.3	101
108	Linking removal targets to the ecological effects of invaders: a predictive model and field test 2014 , 24, 1311-22		96
107	Satellite remote sensing for an ecosystem approach to fisheries management. <i>ICES Journal of Marine Science</i> , 2011 , 68, 651-666	2.7	92
106	An evaluation of the suitability of non-specialist volunteer researchers for coral reef fish surveys. Mafia Island, Tanzania – A case study. <i>Biological Conservation</i> , 1996 , 78, 223-231	6.2	91
105	Life-history correlates of the evolution of live bearing in fishes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002 , 357, 259-67	5.8	87
104	Clarifying misconceptions of extinction risk assessment with the IUCN Red List. <i>Biology Letters</i> , 2016 , 12,	3.6	87
103	Global population trajectories of tunas and their relatives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 20650-5	11.5	86
102	Fuelling the decline in UK fishing communities?. <i>ICES Journal of Marine Science</i> , 2010 , 67, 1076-1085	2.7	82

101	Using informal knowledge to infer human-induced rarity of a conspicuous reef fish. <i>Animal Conservation</i> , 2004 , 7, 365-374	3.2	82
100	Coral identity underpins architectural complexity on Caribbean reefs 2011 , 21, 2223-31		81
99	Extinction risk and bottlenecks in the conservation of charismatic marine species. <i>Conservation Letters</i> , 2012 , 5, 73-80	6.9	80
98	Average functional distinctness as a measure of the composition of assemblages. <i>ICES Journal of Marine Science</i> , 2008 , 65, 1462-1468	2.7	79
97	Vulnerabilities and fisheries impacts: the uncertain future of manta and devil rays. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016 , 26, 562-575	2.6	78
96	Diagnosing the dangerous demography of manta rays using life history theory. <i>PeerJ</i> , 2014 , 2, e400	3.1	77
95	Avoiding fishy growth curves. <i>Methods in Ecology and Evolution</i> , 2013 , 4, 353-360	7.7	74
94	Comparison of threat and exploitation status in North-East Atlantic marine populations. <i>Journal of Applied Ecology</i> , 2005 , 42, 883-891	5.8	73
93	Global marine protected areas to prevent extinctions. <i>Nature Ecology and Evolution</i> , 2017 , 1, 40	12.3	69
92	Energy and the Scaling of Animal Space Use. <i>American Naturalist</i> , 2015 , 186, 196-211	3.7	63
91	Complex reef architecture supports more small-bodied fishes and longer food chains on Caribbean reefs. <i>Ecosphere</i> , 2011 , 2, art118	3.1	63
90	Region-wide temporal and spatial variation in Caribbean reef architecture: is coral cover the whole story?. <i>Global Change Biology</i> , 2011 , 17, 2470-2477	11.4	61
89	Transitional states in marine fisheries: adapting to predicted global change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 3753-63	5.8	60
88	Bridging the Divide Between Fisheries and Marine Conservation Science. <i>Bulletin of Marine Science</i> , 2011 , 87, 251-274	1.3	59
87	Linked indicator sets for addressing biodiversity loss. <i>Oryx</i> , 2011 , 45, 411-419	1.5	58
86	Black-swan events in animal populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3252-3257	11.5	57
85	Drivers of region-wide declines in architectural complexity on Caribbean reefs. <i>Coral Reefs</i> , 2011 , 30, 1051-1060	4.2	57
84	The survival of discarded lesser-spotted dogfish (<i>Scyliorhinus canicula</i>) in the Western English Channel beam trawl fishery. <i>Fisheries Research</i> , 2005 , 71, 121-124	2.3	56

83	Indicators of the impact of climate change on migratory species. <i>Endangered Species Research</i> , 2009 , 7, 101-113	2.5	56
82	Ten principles from evolutionary ecology essential for effective marine conservation. <i>Ecology and Evolution</i> , 2016 , 6, 2125-38	2.8	52
81	Coherent assessments of Europe's marine fishes show regional divergence and megafauna loss. <i>Nature Ecology and Evolution</i> , 2017 , 1,	12.3	49
80	Rethinking Trade-Driven Extinction Risk in Marine and Terrestrial Megafauna. <i>Current Biology</i> , 2016 , 26, 1640-1646	6.3	49
79	Overcoming the Data Crisis in Biodiversity Conservation. <i>Trends in Ecology and Evolution</i> , 2018 , 33, 676-688	6.9	49
78	assessing the status of demersal elasmobranchs in uk waters: a review. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2005 , 85, 1025-1047	1.1	49
77	Maximum intrinsic rate of population increase in sharks, rays, and chimaeras: the importance of survival to maturity. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016 , 73, 1159-1163	2.4	43
76	Threat and decline in fishes: an indicator of marine biodiversity. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006 , 63, 1267-1275	2.4	41
75	Sympathy for the devil: a conservation strategy for devil and manta rays. <i>PeerJ</i> , 2017 , 5, e3027	3.1	41
74	Temporal correlations in population trends: Conservation implications from time-series analysis of diverse animal taxa. <i>Biological Conservation</i> , 2015 , 192, 247-257	6.2	40
73	Portfolio conservation of metapopulations under climate change 2015 , 25, 559-72		40
72	Population declines of tuna and relatives depend on their speed of life. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282,	4.4	38
71	Overfishing drives over one-third of all sharks and rays toward a global extinction crisis. <i>Current Biology</i> , 2021 , 31, 4773-4787.e8	6.3	38
70	What is macroecology?. <i>Biology Letters</i> , 2012 , 8, 904-6	3.6	37
69	Report card on ecosystem-based fisheries management in tuna regional fisheries management organizations. <i>Fish and Fisheries</i> , 2018 , 19, 321-339	6	37
68	Life in 3-D: life history strategies in tunas, mackerels and bonitos. <i>Reviews in Fish Biology and Fisheries</i> , 2013 , 23, 135-155	6	35
67	Scale-dependant control of motile epifaunal community structure along a coral reef fishing gradient. <i>Journal of Experimental Marine Biology and Ecology</i> , 2002 , 278, 1-29	2.1	35
66	Life Histories, Population Dynamics, and Extinction Risks in Chondrichthyans. <i>Marine Biology</i> , 2010 , 639-679		34

65	The paradox of inverted biomass pyramids in kelp forest fish communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	32
64	Troubled waters: Threats and extinction risk of the sharks, rays and chimaeras of the Arabian Sea and adjacent waters. <i>Fish and Fisheries</i> , 2018 , 19, 1043-1062	6	32
63	The false classification of extinction risk in noisy environments. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281,	4.4	31
62	The thin edge of the wedge: Extremely high extinction risk in wedgefishes and giant guitarfishes. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020 , 30, 1337-1361	2.6	30
61	Macroecology of live-bearing in fishes: latitudinal and depth range comparisons with egg-laying relatives. <i>Oikos</i> , 2005 , 110, 209-218	4	30
60	Oceans. Avoiding empty ocean commitments at Rio+20. <i>Science</i> , 2012 , 336, 1383-5	33.3	29
59	Growth, productivity, and relative extinction risk of a data-sparse devil ray. <i>Scientific Reports</i> , 2016 , 6, 33745	4.9	28
58	Salmon subsidize an escape from a size spectrum. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20122433	4.4	28
57	The role of habitat complexity in shaping the size structure of a temperate reef fish community. <i>Marine Ecology - Progress Series</i> , 2015 , 532, 197-211	2.6	28
56	Reliability of indicators of decline in abundance. <i>Conservation Biology</i> , 2012 , 26, 894-904	6	27
55	Environmental Concerns for the Future of Gulf Coral Reefs. <i>Coral Reefs of the World</i> , 2012 , 349-373	2.1	25
54	Overfishing and habitat loss drive range contraction of iconic marine fishes to near extinction. <i>Science Advances</i> , 2021 , 7,	14.3	25
53	Threatened Fishes of the World: <i>Bolbometopon muricatum</i> (Valenciennes 1840) (Scaridae). <i>Environmental Biology of Fishes</i> , 2004 , 70, 373-373	1.6	24
52	Maternal age effects on Atlantic cod recruitment and implications for future population trajectories. <i>ICES Journal of Marine Science</i> , 2015 , 72, 1769-1778	2.7	23
51	Does more maternal investment mean a larger brain? Evolutionary relationships between reproductive mode and brain size in chondrichthyans. <i>Marine and Freshwater Research</i> , 2011 , 62, 567	2.2	22
50	Reliable Identification of Declining Populations in an Uncertain World. <i>Conservation Letters</i> , 2015 , 8, 86-96	9.9	21
49	The conservation and management of tunas and their relatives: setting life history research priorities. <i>PLoS ONE</i> , 2013 , 8, e70405	3.7	21
48	Are spatial closures better than size limits for halting the decline of the North Sea thornback ray, <i>Raja clavata</i> ?. <i>Marine and Freshwater Research</i> , 2011 , 62, 722	2.2	20

47	The birds and the seas: body size reconciles differences in the abundance-occupancy relationship across marine and terrestrial vertebrates. <i>Oikos</i> , 2011 , 120, 537-549	4	17
46	Importance of fish biodiversity for the management of fisheries and ecosystems. <i>Fisheries Research</i> , 2008 , 90, 6-8	2.3	17
45	Ecological prophets: quantifying metapopulation portfolio effects. <i>Methods in Ecology and Evolution</i> , 2013 , 4, n/a-n/a	7.7	16
44	Inaccurate and Biased Global Media Coverage Underlies Public Misunderstanding of Shark Conservation Threats and Solutions. <i>iScience</i> , 2020 , 23, 101205	6.1	15
43	Quantifying the known unknowns: estimating maximum intrinsic rate of population increase in the face of uncertainty. <i>ICES Journal of Marine Science</i> , 2018 , 75, 953-963	2.7	15
42	Holocene extinctions in the sea 2009 , 129-150		14
41	Extinction risk and conservation of critically endangered angel sharks in the Eastern Atlantic and Mediterranean Sea. <i>ICES Journal of Marine Science</i> , 2020 , 77, 12-29	2.7	13
40	Eliminating the dark matter of data deficiency by predicting the conservation status of Northeast Atlantic and Mediterranean Sea sharks and rays. <i>Biological Conservation</i> , 2020 , 246, 108459	6.2	13
39	Estimating IUCN Red List population reduction: JARA decision-support tool applied to pelagic sharks. <i>Conservation Letters</i> , 2020 , 13, e12688	6.9	12
38	Fishers' ecological knowledge of sawfishes in the Sepik and Ramu rivers, northern Papua New Guinea. <i>Endangered Species Research</i> , 2018 , 36, 15-26	2.5	12
37	Exploitation and Other Threats to Fish Conservation 319-341		12
36	Ecological lifestyles and the scaling of shark gill surface area. <i>Journal of Morphology</i> , 2018 , 279, 1716-1724	2.4	10
35	Spatially congruent sites of importance for global shark and ray biodiversity. <i>PLoS ONE</i> , 2020 , 15, e0235559	3.7	9
34	Incorporating extinction risk and realistic biodiversity futures: implementation of trait-based extinction scenarios 2012 , 127-148		9
33	Global reconstruction of life-history strategies: A case study using tunas. <i>Journal of Applied Ecology</i> , 2019 , 56, 855-865	5.8	8
32	Maternal Investment, Ecological Lifestyle, and Brain Evolution in Sharks and Rays. <i>American Naturalist</i> , 2020 , 195, 1056-1069	3.7	7
31	Predicting the Impacts and Socio-Economic Consequences of Climate Change on Global Marine Ecosystems and Fisheries 2011 , 29-59		7
30	Respiratory capacity is twice as important as temperature in explaining patterns of metabolic rate across the vertebrate tree of life. <i>Science Advances</i> , 2021 , 7,	14.3	6

29	Global scombrid life history data set. <i>Ecology</i> , 2016 , 97, 809-809	4.6	6
28	Beverton and Holt's Insights into Life History Theory: Influence, Application and Future Use 434-450		5
27	Ecology: Recovering the potential of coral reefs. <i>Nature</i> , 2015 , 520, 304-5	50.4	4
26	Life-history, exploitation and extinction risk of the data-poor Baraka's whipray (<i>Maculabatis ambigua</i>) in small-scale tropical fisheries. <i>Journal of Fish Biology</i> , 2020 , 97, 708-719	1.9	4
25	The Future Species of Anthropocene Seas 2017 , 39-64		4
24	Near disappearance of the Angelshark <i>Squatina squatina</i> over half a century of observations. <i>Conservation Science and Practice</i> , 2019 , 1, e97	2.2	4
23	Aquatic conservation: Environment in Queensland at risk. <i>Nature</i> , 2012 , 490, 176	50.4	4
22	Conservation biology: strict marine protected areas prevent reef shark declines. <i>Current Biology</i> , 2006 , 16, R989-91	6.3	4
21	Trends in Chondrichthyan Research: An Analysis of Three Decades of Conference Abstracts. <i>Copeia</i> , 2020 , 108, 122	1.1	4
20	Fishing for survival: Importance of shark fisheries for the livelihoods of coastal communities in Western Ghana. <i>Fisheries Research</i> , 2022 , 246, 106157	2.3	4
19	Ghosts of the deep Biodiversity, fisheries, and extinction risk of ghost sharks. <i>Fish and Fisheries</i> , 2021 , 22, 391-412	6	4
18	The thin edge of the wedge: extremely high extinction risk in wedgefishes and giant guitarfishes		3
17	Tracking the rising extinction risk of sharks and rays in the Northeast Atlantic Ocean and Mediterranean Sea. <i>Scientific Reports</i> , 2021 , 11, 15397	4.9	3
16	Biodiversity: Sharks and rays in peril too. <i>Nature</i> , 2015 , 518, 167	50.4	2
15	foreword shark, skate and ray research at the mba and cefas. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2005 , 85, 1021-1023	1.1	2
14	Global scombrid life history dataset. <i>Ecology</i> , 2016 ,	4.6	2
13	Gill slits provide a window into the respiratory physiology of sharks 2020 , 8, coaa102		2
12	Analytical methods matter too: Establishing a framework for estimating maximum metabolic rate for fishes. <i>Ecology and Evolution</i> , 2021 , 11, 9987-10003	2.8	2

11	Extinction Risk and the Small Population Paradigm in the Micro-Endemic Radiation of Epaulette Sharks 2021 ,		2
10	Reply to Youngflesh and Lynch: Migration and population growth rate in animal black-swan events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8955-E8956 ^{11.5}		1
9	Response to Valderrama and Fields: effect of temperature on biomass production in models of invasive lionfish control. <i>Ecological Applications</i> , 2015 , 25, 2048-50	4.9	1
8	Current and future considerations for shark conservation in the Northeast and Eastern Central Pacific Ocean. <i>Advances in Marine Biology</i> , 2021 , 90, 1-49	2.1	1
7	Maximum intrinsic rate of population increase in sharks, rays, and chimaeras: the importance of survival to maturity		1
6	Predicting the conservation status of Europe's Data Deficient sharks and rays		1
5	Conservation: Goldilocks Nations for Restoring Reef Sharks. <i>Current Biology</i> , 2020 , 30, R1415-R1418	6.3	1
4	The metabolic pace of life histories across fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20210910	4.4	1
3	Monitoring extinction risk and threats of the world's fishes based on the Sampled Red List Index. <i>Reviews in Fish Biology and Fisheries</i> , 1	6	1
2	Gill surface area provides a clue for the respiratory basis of brain size in the blacktip shark (<i>Carcharhinus limbatus</i>). <i>Journal of Fish Biology</i> , 2021 , 99, 990-998	1.9	0
1	The role and value of science in shark conservation advocacy. <i>Scientific Reports</i> , 2021 , 11, 16626	4.9	0