

Nicholas V C Polunin

List of Publications by Year in descending order

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123
papers

11,886
citations

28274

55
h-index

26613

107
g-index

128
all docs

128
docs citations

128
times ranked

8672
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-trophic markers illuminate the understanding of the functioning of a remote, low coral cover Marquesan coral reef food web. <i>Scientific Reports</i> , 2021, 11, 20950.	3.3	7
2	The importance of oceanic atoll lagoons for coral reef predators. <i>Marine Biology</i> , 2020, 167, 1.	1.5	6
3	Estimating contributions of pelagic and benthic pathways to consumer production in coupled marine food webs. <i>Journal of Animal Ecology</i> , 2019, 88, 405-415.	2.8	30
4	Prevalence of pelagic dependence among coral reef predators across an atoll seascape. <i>Journal of Animal Ecology</i> , 2019, 88, 1564-1574.	2.8	15
5	Fish stable isotope community structure of a Bahamian coral reef. <i>Marine Biology</i> , 2019, 166, 1.	1.5	10
6	Fauna of the Kemp Caldera and its upper bathyal hydrothermal vents (South Sandwich Arc), Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 542 T	2.4	15
7	Stable isotopes reveal food web dynamics of a data-poor deep-sea island slope community. <i>Food Webs</i> , 2017, 10, 22-25.	1.2	10
8	Spatial and temporal changes in pot-fishing effort and habitat use. <i>ICES Journal of Marine Science</i> , 2017, 74, 2201-2212.	2.5	9
9	Polar compounds preclude mathematical lipid correction of carbon stable isotopes in deep-water sharks. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 494, 69-74.	1.5	17
10	Experimental potting impacts on common UK reef habitats in areas of high and low fishing pressure. <i>ICES Journal of Marine Science</i> , 2017, 74, 1648-1659.	2.5	10
11	Patterns of Coral-Reef Finfish Species Disappearances Inferred from Fishers's Knowledge in Global Epicentre of Marine Shorefish Diversity. <i>PLoS ONE</i> , 2016, 11, e0155752.	2.5	40
12	Reef flattening effects on total richness and species responses in the Caribbean. <i>Journal of Animal Ecology</i> , 2015, 84, 1678-1689.	2.8	74
13	Linking regional variation of epibiotic bacterial diversity and trophic ecology in a new species of Kiwaidae (Decapoda, Anomura) from East Scotia Ridge (Antarctica) hydrothermal vents. <i>MicrobiologyOpen</i> , 2015, 4, 136-150.	3.0	32
14	Measuring coral size-frequency distribution using stereo video technology, a comparison with in situ measurements. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 234.	2.7	6
15	Recovery potential of the world's coral reef fishes. <i>Nature</i> , 2015, 520, 341-344.	27.8	267
16	Mapping inshore fisheries: Comparing observed and perceived distributions of pot fishing activity in Northumberland. <i>Marine Policy</i> , 2015, 51, 173-181.	3.2	27
17	Social networks and fishers' behavior: exploring the links between information flow and fishing success in the Northumberland lobster fishery. <i>Ecology and Society</i> , 2014, 19, .	2.3	59
18	Diverging Strategies to Planning an Ecologically Coherent Network of MPAs in the North Sea. <i>Advances in Marine Biology</i> , 2014, 69, 325-370.	1.4	12

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19	The Creation of the Chagos Marine Protected Area. <i>Advances in Marine Biology</i> , 2014, 69, 79-127.	1.4	26
20	Structure and dynamics of food webs in the water column on shelf and slope grounds of the western Mediterranean. <i>Journal of Marine Systems</i> , 2014, 138, 171-181.	2.1	36
21	Sea cucumbers in the Seychelles: effects of marine protected areas on high-value species. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2013, 23, 418-428.	2.0	21
22	High variability in spatial and temporal size-based trophodynamics of deep-sea fishes from the Mid-Atlantic Ridge elucidated by stable isotopes. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 98, 412-420.	1.4	11
23	Tracking seasonal changes in North Sea zooplankton trophic dynamics using stable isotopes. <i>Biogeochemistry</i> , 2013, 113, 167-187.	3.5	41
24	MPA policy: What lies behind the science?. <i>Marine Policy</i> , 2013, 37, 3-10.	3.2	42
25	Trophodynamics and functional feeding groups of North Sea fauna: a combined stable isotope and fatty acid approach. <i>Biogeochemistry</i> , 2013, 113, 189-212.	3.5	42
26	Territoriality as a Driver of Fishers' Spatial Behavior in the Northumberland Lobster Fishery. <i>Society and Natural Resources</i> , 2013, 26, 491-505.	1.9	13
27	Spatial Differences in East Scotia Ridge Hydrothermal Vent Food Webs: Influences of Chemistry, Microbiology and Predation on Trophodynamics. <i>PLoS ONE</i> , 2013, 8, e65553.	2.5	59
28	No-trawl area impacts: perceptions, compliance and fish abundances. <i>Environmental Conservation</i> , 2012, 39, 237-247.	1.3	23
29	Are the scientific foundations of temperate marine reserves too warm and hard?. <i>Environmental Conservation</i> , 2012, 39, 199-203.	1.3	23
30	The Discovery of New Deep-Sea Hydrothermal Vent Communities in the Southern Ocean and Implications for Biogeography. <i>PLoS Biology</i> , 2012, 10, e1001234.	5.6	225
31	Effect of Macroalgal Expansion and Marine Protected Areas on Coral Recovery Following a Climatic Disturbance. <i>Conservation Biology</i> , 2012, 26, 995-1004.	4.7	67
32	Elucidating trophic pathways in benthic deep-sea assemblages of the Mid-Atlantic Ridge north and south of the Charlie-Gibbs Fracture Zone. <i>Marine Ecology - Progress Series</i> , 2012, 463, 89-103.	1.9	35
33	Methodological uncertainty in resource mixing models for generalist fishes. <i>Oecologia</i> , 2012, 169, 1083-1093.	2.0	31
34	Extinction vulnerability of coral reef fishes. <i>Ecology Letters</i> , 2011, 14, 341-348.	6.4	201
35	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.	2.7	20
36	Global Human Footprint on the Linkage between Biodiversity and Ecosystem Functioning in Reef Fishes. <i>PLoS Biology</i> , 2011, 9, e1000606.	5.6	249

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37	Reflecting on the next generation of models for community-based natural resources management. <i>Environmental Conservation</i> , 2010, 37, 1-4.	1.3	83
38	Elucidating the trophodynamics of four coral reef fishes of the Solomon Islands using $\delta^{15}\text{N}$ and $\delta^{13}\text{C}$. <i>Coral Reefs</i> , 2010, 29, 785-792.	2.2	34
39	Transitional states in marine fisheries: adapting to predicted global change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 3753-3763.	4.0	69
40	Interdisciplinarity in the environmental sciences: barriers and frontiers. <i>Environmental Conservation</i> , 2010, 37, 464-477.	1.3	53
41	Comparison of three methods for quantifying topographic complexity on rocky shores. <i>Marine Environmental Research</i> , 2010, 69, 143-151.	2.5	7
42	Finfish disappearances around Bohol, Philippines inferred from traditional ecological knowledge. <i>Environmental Conservation</i> , 2009, 36, 235-244.	1.3	64
43	Steeper biomass spectra of demersal fish communities after trawler exclusion in Sicily. <i>ICES Journal of Marine Science</i> , 2009, 66, 195-202.	2.5	38
44	Recent Region-wide Declines in Caribbean Reef Fish Abundance. <i>Current Biology</i> , 2009, 19, 590-595.	3.9	238
45	Coral mortality versus structural collapse as drivers of corallivorous butterflyfish decline. <i>Biodiversity and Conservation</i> , 2009, 18, 3325-3336.	2.6	70
46	Identifying Reefs of Hope and Hopeful Actions: Contextualizing Environmental, Ecological, and Social Parameters to Respond Effectively to Climate Change. <i>Conservation Biology</i> , 2009, 23, 662-671.	4.7	61
47	Hierarchical drivers of reef-fish metacommunity structure. <i>Ecology</i> , 2009, 90, 252-264.	3.2	54
48	The importance of quantifying inherent variability when interpreting stable isotope field data. <i>Oecologia</i> , 2008, 155, 227-235.	2.0	64
49	Application of nitrogen stable isotope analysis in size-based marine food web and macroecological research. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1673-1680.	1.5	43
50	Detection heterogeneity in underwater visual census data. <i>Journal of Fish Biology</i> , 2008, 73, 1748-1763.	1.6	48
51	Exploitation and habitat degradation as agents of change within coral reef fish communities. <i>Global Change Biology</i> , 2008, 14, 2796-2809.	9.5	194
52	Habitat utilization by coral reef fish: implications for specialists vs. generalists in a changing environment. <i>Journal of Animal Ecology</i> , 2008, 77, 220-228.	2.8	220
53	$\delta^{15}\text{N}$ and $\delta^{13}\text{C}$ elucidation of size-structured food webs in a Western Arabian Sea demersal trawl assemblage. <i>Marine Ecology - Progress Series</i> , 2008, 353, 55-63.	1.9	36
54	An Overview of Spatial Management and Marine Protected Areas in the East China Sea. <i>Coastal Management</i> , 2008, 36, 443-457.	2.0	5

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55	Assessment of fish trophic status and relationships by stable isotope data in the coral reef lagoon of New Caledonia, southwest Pacific. <i>Aquatic Living Resources</i> , 2008, 21, 1-12.	1.2	42
56	Climate Warming, Marine Protected Areas and the Ocean-Scale Integrity of Coral Reef Ecosystems. <i>PLoS ONE</i> , 2008, 3, e3039.	2.5	220
57	Accounting for detectability in reef-fish biodiversity estimates. <i>Marine Ecology - Progress Series</i> , 2008, 367, 249-260.	1.9	56
58	Effect of temperature and ration size on carbon and nitrogen stable isotope trophic fractionation. <i>Functional Ecology</i> , 2007, 21, 356-362.	3.6	163
59	Lag Effects in the Impacts of Mass Coral Bleaching on Coral Reef Fish, Fisheries, and Ecosystems. <i>Conservation Biology</i> , 2007, 21, 1291-1300.	4.7	336
60	Effects of body size and environment on diet-tissue $\delta^{15}\text{N}$ fractionation in fishes. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 340, 1-10.	1.5	224
61	Effects of body size and environment on diet-tissue $\delta^{13}\text{C}$ fractionation in fishes. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 352, 165-176.	1.5	123
62	Daily carbon, nitrogen and phosphorus budgets for the Mediterranean planktivorous damselfish <i>Chromis chromis</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 352, 378-391.	1.5	24
63	Phase shifts and the role of herbivory in the resilience of coral reefs. <i>Coral Reefs</i> , 2007, 26, 641-653.	2.2	169
64	Declining reliance on marine resources in remote South Pacific societies: ecological versus socio-economic drivers. <i>Coral Reefs</i> , 2007, 26, 997-1008.	2.2	89
65	Influence of instantaneous variation on estimates of coral reef fish populations and communities. <i>Marine Ecology - Progress Series</i> , 2007, 340, 221-234.	1.9	78
66	Multiple disturbances and the global degradation of coral reefs: are reef fishes at risk or resilient?. <i>Global Change Biology</i> , 2006, 12, 2220-2234.	9.5	584
67	Planktivorous damselfish support significant nitrogen and phosphorus fluxes to Mediterranean reefs. <i>Marine Biology</i> , 2006, 148, 1089-1099.	1.5	43
68	Dynamic fragility of oceanic coral reef ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8425-8429.	7.1	566
69	Size-spectra as indicators of the effects of fishing on coral reef fish assemblages. <i>Coral Reefs</i> , 2005, 24, 118-124.	2.2	149
70	Critical science gaps impede use of no-take fishery reserves. <i>Trends in Ecology and Evolution</i> , 2005, 20, 74-80.	8.7	673
71	Coral reef cascades and the indirect effects of predator removal by exploitation. <i>Ecology Letters</i> , 2004, 7, 410-416.	6.4	376
72	Predicting indirect effects of fishing in Mediterranean rocky littoral communities using a dynamic simulation model. <i>Ecological Modelling</i> , 2004, 172, 249-267.	2.5	59

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73	Trophodynamic linkage between river runoff and coastal fishery yield elucidated by stable isotope data in the Gulf of Lions (NW Mediterranean). <i>Oecologia</i> , 2004, 138, 325-332.	2.0	180
74	Using informal knowledge to infer human-induced rarity of a conspicuous reef fish. <i>Animal Conservation</i> , 2004, 7, 365-374.	2.9	97
75	Tissue and fixative dependent shifts of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ in preserved ecological material. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2587-2592.	1.5	115
76	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.	1.4	163
77	Isotope trophic-step fractionation: a dynamic equilibrium model. <i>Journal of Animal Ecology</i> , 2003, 72, 608-617.	2.8	155
78	Long-term changes in the trophic level of western Mediterranean fishery and aquaculture landings. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2003, 60, 222-235.	1.4	61
79	5th International Conference on Environmental Future: climate change and the future state of the world's aquatic ecosystems. <i>Environmental Conservation</i> , 2002, 29, 1-2.	1.3	5
80	Insights into fish host-parasite trophic relationships revealed by stable isotope analysis. <i>Diseases of Aquatic Organisms</i> , 2002, 52, 77-86.	1.0	61
81	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.	1.5	36
82	Weak cross-species relationships between body size and trophic level belie powerful size-based trophic structuring in fish communities. <i>Journal of Animal Ecology</i> , 2001, 70, 934-944.	2.8	336
83	Unusual stable isotope fractionation patterns observed for fish host-parasite trophic relationships. <i>Journal of Fish Biology</i> , 2001, 59, 494-503.	1.6	62
84	The Mediterranean: marine protected areas and the recovery of a large marine ecosystem. <i>Environmental Conservation</i> , 2000, 27, 95-97.	1.3	13
85	Trophic cascades in benthic marine ecosystems: lessons for fisheries and protected-area management. <i>Environmental Conservation</i> , 2000, 27, 179-200.	1.3	420
86	Comparative assessment of stakeholder management in traditional Fijian fishing-grounds. <i>Environmental Conservation</i> , 2000, 27, 291-299.	1.3	42
87	Differences between protected and unprotected reefs of the western Caribbean in attributes preferred by dive tourists. <i>Environmental Conservation</i> , 2000, 27, 382-391.	1.3	83
88	Differential fractionation of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ among fish tissues: implications for the study of trophic interactions. <i>Functional Ecology</i> , 1999, 13, 225-231.	3.6	821
89	Predicting the Vulnerability of Tropical Reef Fishes to Exploitation with Phylogenies and Life Histories. <i>Conservation Biology</i> , 1999, 13, 1466-1475.	4.7	167
90	Varying responses of herbivorous and invertebrate-feeding fishes to macroalgal reduction on a coral reef. <i>Coral Reefs</i> , 1999, 18, 195-203.	2.2	60

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91	Ecology and Conservation of Southeast Asian Marine and Freshwater Environments including Wetlands. <i>Biodiversity and Conservation</i> , 1997, 6, 897-898.	2.6	0
92	Impacts of predator depletion by fishing on the biomass and diversity of non-target reef fish communities. <i>Coral Reefs</i> , 1997, 16, 71-82.	2.2	160
93	Seychelles' marine protected areas: Comparative structure and status of reef fish communities. <i>Biological Conservation</i> , 1996, 75, 201-209.	4.1	106
94	A new generation of <i>Environmental Conservation</i>. <i>Environmental Conservation</i> , 1996, 23, 1-1.	1.3	1
95	Environmental information and children: the big and the small. <i>Environmental Conservation</i> , 1996, 23, 103-104.	1.3	1
96	Habitat correlates of the distribution and biomass of Seychelles' reef fishes. <i>Environmental Biology of Fishes</i> , 1996, 46, 15-25.	1.0	92
97	Relationships between catch and effort in Fijian multispecies reef fisheries subject to different levels of exploitation. <i>Fisheries Management and Ecology</i> , 1995, 2, 89-101.	2.0	28
98	Contrasts in algal food processing among five herbivorous coral-reef fishes. <i>Journal of Fish Biology</i> , 1995, 47, 455-465.	1.6	57
99	Biased underwater visual census biomass estimates for target-species in tropical reef fisheries. <i>Journal of Fish Biology</i> , 1995, 47, 733-736.	1.6	60
100	Comparative size and composition of yield from six Fijian reef fisheries. <i>Journal of Fish Biology</i> , 1995, 46, 28-46.	1.6	51
101	Role of marine reserves in recruitment to reef fisheries: A metapopulation model. <i>Biological Conservation</i> , 1995, 71, 197-204.	4.1	115
102	The effects of fishing on the diversity, biomass and trophic structure of Seychellesâ€™ reef fish communities. <i>Coral Reefs</i> , 1995, 14, 225-235.	2.2	151
103	Important Prospect: Meeting on the Ecological Effects of Rising Temperature on Aquatic Organisms, to be held in the Department of Biological Sciences and St Cuthbert's Society, University of Durham, Durham, England, UK, on 4â€“5 January 1994. <i>Environmental Conservation</i> , 1993, 20, 183-183.	1.3	0
104	Algal food supply and grazer demand in a very productive coral-reef zone. <i>Journal of Experimental Marine Biology and Ecology</i> , 1992, 164, 1-15.	1.5	90
105	Are marine reserves effective in management of reef fisheries?. <i>Reviews in Fish Biology and Fisheries</i> , 1991, 1, 65-91.	4.9	347
106	Low efficiency of dietary carbon and nitrogen conversion to growth in an herbivorous coral-reef fish in the wild. <i>Journal of Fish Biology</i> , 1989, 35, 869-879.	1.6	10
107	Partitioning among grazers of food resources within damselfish territories on a coral reef. <i>Journal of Experimental Marine Biology and Ecology</i> , 1989, 125, 145-169.	1.5	85
108	Ecological correlates of foraging periodicity in herbivorous reef fishes of the Coral Sea. <i>Journal of Experimental Marine Biology and Ecology</i> , 1989, 126, 1-20.	1.5	79

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109	Efficient uptake of algal production by a single resident herbivorous fish on the reef. <i>Journal of Experimental Marine Biology and Ecology</i> , 1988, 123, 61-76.	1.5	44
110	Temporal focusing of nitrogen release by a periodically feeding herbivorous reef fish. <i>Journal of Experimental Marine Biology and Ecology</i> , 1987, 111, 285-296.	1.5	39
111	The Decomposition of Emergent Macrophytes in Fresh Water. <i>Advances in Ecological Research</i> , 1984, 14, 115-166.	2.7	97
112	Bali Barat: An Indonesian marine protected area and its resources. <i>Biological Conservation</i> , 1983, 25, 171-191.	4.1	11
113	Marine Genetic Resources™ and the Potential Role of Protected Areas in Conserving Them. <i>Environmental Conservation</i> , 1983, 10, 31-41.	1.3	11
114	Seasonal variation in seston and organic matter accumulation in a sheltered fenland pond. <i>Hydrobiologia</i> , 1982, 94, 155-162.	2.0	2
115	Effects of the freshwater gastropod <i>Planorbis carinatus</i> on reed (<i>Phragmites australis</i>) litter microbial activity in an experimental system. <i>Freshwater Biology</i> , 1982, 12, 547-552.	2.4	7
116	International Wetlands Conference, Held at the Indian National Science Academy, New Delhi, India, During 10-17 September 1980. <i>Environmental Conservation</i> , 1981, 8, 75-75.	1.3	0
117	The behavioral ecology of three Indian Ocean surgeonfishes (<i>Acanthurus lineatus</i> , <i>A. leucosternon</i>) <i>Journal of Fishes</i> , 1979, 4, 125-170.	1.0	136
118	Prawn-associated gobies (Teleostei: Gobiidae) from the Seychelles, Western Indian Ocean: systematics and ecology. <i>Journal of Zoology</i> , 1977, 183, 63-101.	1.7	33
119	Devastation of a fringing coral reef by <i>Acanthaster</i> . <i>Nature</i> , 1974, 249, 589-590.	27.8	3
120	Diving Reconnaissance of 27 Western Indian Ocean Coral Reefs. <i>Environmental Conservation</i> , 1974, 1, 71-72.	1.3	4
121	Marine conservation in the Seychelles. <i>Biological Conservation</i> , 1972, 4, 227-228.	4.1	0
122	INTRODUCTION: Climate, people, fisheries and aquatic ecosystems. , 0, , 1-16.		2
123	Trends and global prospects of the Earth's aquatic ecosystems. , 0, , 353-365.		3