Heidi Pethybridge

List of Publications by Year
in descending order

56 papers	**1,819** citations	257450 **24** h-index	276875 **41** g-index
56 all docs	**56** docs citations	**56** times ranked	**2016** citing authors

#	Article	IF	Citations
1	Mercury in 16 demersal sharks from southeast Australia: Biotic and abiotic sources of variation and consumer health implications. Marine Environmental Research, 2010, 69, 18-26.	2.5	133
2	The trophodynamics of marine top predators: Current knowledge, recent advances and challenges. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 113, 170-187.	1.4	132
3	A global perspective on the trophic geography of sharks. Nature Ecology and Evolution, 2018, 2, 299-305.	7.8	95
4	Diet of demersal sharks and chimaeras inferred by fatty acid profiles and stomach content analysis. Journal of Experimental Marine Biology and Ecology, 2011, 409, 290-299.	1.5	79
5	Improving Marine Ecosystem Models with Biochemical Tracers. Annual Review of Marine Science, 2018, 10, 199-228.	11.6	69
6	Lipid composition and partitioning of deepwater chondrichthyans: inferences of feeding ecology and distribution. Marine Biology, 2010, 157, 1367-1384.	1.5	58
7	Direct determination of fatty acids in fish tissues: quantifying top predator trophic connections. Oecologia, 2015, 177, 85-95.	2.0	57
8	Lipid, Fatty Acid and Energy Density Profiles of White Sharks: Insights into the Feeding Ecology and Ecophysiology of a Complex Top Predator. PLoS ONE, 2014, 9, e97877.	2.5	55
9	Applying new tools to cephalopod trophic dynamics and ecology: perspectives from the Southern Ocean Cephalopod Workshop, February 2–3, 2006. Reviews in Fish Biology and Fisheries, 2007, 17, 79-99.	4.9	54
10	<scp>Atlantis</scp>: A spatially explicit end‐to‐end marine ecosystem model with dynamically integrated physics, ecology and socio‐economic modules. Methods in Ecology and Evolution, 2019, 10, 1814-1819.	5.2	54
11	Global trophic ecology of yellowfin, bigeye, and albacore tunas: Understanding predation on micronekton communities at ocean-basin scales. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 140, 55-73.	1.4	53
12	Spatial Patterns and Temperature Predictions of Tuna Fatty Acids: Tracing Essential Nutrients and Changes in Primary Producers. PLoS ONE, 2015, 10, e0131598.	2.5	52
13	A global meta‐analysis of marine predator nitrogen stable isotopes: Relationships between trophic structure and environmental conditions. Global Ecology and Biogeography, 2018, 27, 1043-1055.	5.8	50
14	Responses of European anchovy vital rates and population growth to environmental fluctuations: An individual-based modeling approach. Ecological Modelling, 2013, 250, 370-383.	2.5	47
15	Trends in tuna carbon isotopes suggest global changes in pelagic phytoplankton communities. Global Change Biology, 2020, 26, 458-470.	9.5	47
16	Temporal and inter-specific variations in forage fish feeding conditions in the NW Mediterranean: lipid content and fatty acid compositional changes. Marine Ecology - Progress Series, 2014, 512, 39-54.	1.9	45
17	Trophic niches of sympatric tropical tuna in the Western Indian Ocean inferred by stable isotopes and neutral fatty acids. Progress in Oceanography, 2016, 146, 75-88.	3.2	44
18	Trophic position increases with thermocline depth in yellowfin and bigeye tuna across the Western and Central Pacific Ocean. Progress in Oceanography, 2017, 154, 49-63.	3.2	43

#	Article	IF	Citations
19	Ecological energetics of forage fish from the Mediterranean Sea: Seasonal dynamics and interspecific differences. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 140, 74-82.	1.4	40
20	A Model of Mercury Distribution in Tuna from the Western and Central Pacific Ocean: Influence of Physiology, Ecology and Environmental Factors. Environmental Science & Technology, 2019, 53, 1422-1431.	10.0	37
21	Trophic structure and biomagnification of mercury in an assemblage of deepwater chondrichthyans from southeastern Australia. Marine Ecology - Progress Series, 2012, 451, 163-174.	1.9	36
22	Abiotic and biotic drivers of fatty acid tracers in ecology: A global analysis of chondrichthyan profiles. Functional Ecology, 2019, 33, 1243-1255.	3.6	35
23	Spatial variation in fatty acid trophic markers in albacore tuna from the southwestern Pacific Oceanâ€"A potential â€˜tropicalizationâ€™ signal. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 113, 199-207.	1.4	33
24	The foraging ecology of an oceanic squid, Todarodes filippovae: The use of signature lipid profiling to monitor ecosystem change. Deep-Sea Research Part II: Topical Studies in Oceanography, 2013, 95, 119-128.	1.4	27
25	Lipid (energy) reserves, utilisation and provisioning during oocyte maturation and early embryonic development of deepwater chondrichthyans. Marine Biology, 2011, 158, 2741-2754.	1.5	26
26	Lipid and mercury profiles of 61 mid-trophic species collected off south-eastern Australia. Marine and Freshwater Research, 2010, 61, 1092.	1.3	25
27	Setting the stage for a global-scale trophic analysis of marine top predators: a multi-workshop review. Reviews in Fish Biology and Fisheries, 2015, 25, 261-272.	4.9	25
28	Using stable isotopes of albacore tuna and predictive models to characterize bioregions and examine ecological change in the SW Pacific Ocean. Progress in Oceanography, 2015, 134, 293-303.	3.2	23
29	Lipid and fatty acid dynamics in mature female albacore tuna (Thunnus alalunga) in the western Indian Ocean. PLoS ONE, 2018, 13, e0194558.	2.5	23
30	Calibrating process-based marine ecosystem models: An example case using Atlantis. Ecological Modelling, 2019, 412, 108822.	2.5	22
31	Proactive, Reactive, and Inactive Pathways for Scientists in a Changing World. Earth's Future, 2019, 7, 60-73.	6.3	21
32	The impact of wildlife tourism on the foraging ecology and nutritional condition of an apex predator. Tourism Management, 2019, 75, 206-215.	9.8	20
33	Intraspecific variability in diet and implied foraging ranges of whale sharks at Ningaloo Reef, Western Australia, from signature fatty acid analysis. Marine Ecology - Progress Series, 2016, 554, 115-128.	1.9	20
34	Assessing the Functional Limitations of Lipids and Fatty Acids for Diet Determination: The Importance of Tissue Type, Quantity, and Quality. Frontiers in Marine Science, 2017, 4, .	2.5	19
35	Global patterns and inferences of tuna movements and trophodynamics from stable isotope analysis. Deep-Sea Research Part II: Topical Studies in Oceanography, 2020, 175, 104775.	1.4	19
36	Stable mercury concentrations of tropical tuna in the south western Pacific ocean: An 18-year monitoring study. Chemosphere, 2021, 263, 128024.	8.2	19

#	Article	IF	Citations
37	Seasonal variations in diet of arrow squid (Nototodarus gouldi): stomach content and signature fatty acid analysis. Journal of the Marine Biological Association of the United Kingdom, 2012, 92, 187-196.	0.8	18
38	Energy metabolism in mobile, wild-sampled sharks inferred by plasma lipids. , 2017, 5, cox002.		18
39	Comparison of fin and muscle tissues for analysis of signature fatty acids in tropical euryhaline sharks. Journal of Experimental Marine Biology and Ecology, 2016, 479, 46-53.	1.5	15
40	Effects of sample treatment on the analysis of stable isotopes of carbon and nitrogen in zooplankton, micronekton and a filter-feeding shark. Marine Biology, 2017, 164, 1.	1.5	15
41	Contrasting Futures for Australia's Fisheries Stocks Under IPCC RCP8.5 Emissions – A Multi-Ecosystem Model Approach. Frontiers in Marine Science, 2020, 7, .	2.5	15
42	Effects of short-term capture on the physiology of white sharks Carcharodon carcharias: amino acids and fatty acids. Endangered Species Research, 2019, 40, 297-308.	2.4	15
43	Niche metrics suggest euryhaline and coastal elasmobranchs provide trophic connections among marine and freshwater biomes in northern Australia. Marine Ecology - Progress Series, 2017, 565, 181-196.	1.9	13
44	Stable Isotope Analysis of Dermis and the Foraging Behavior of Whale Sharks at Ningaloo Reef, Western Australia. Frontiers in Marine Science, 2019, 6, .	2.5	12
45	A Seasonally Dynamic Estuarine Ecosystem Provides a Diverse Prey Base for Elasmobranchs. Estuaries and Coasts, 2019, 42, 580-595.	2.2	10
46	Quantitative Foresighting as a Means of Improving Anticipatory Scientific Capacity and Strategic Planning. One Earth, 2020, 3, 631-644.	6.8	8
47	Trophic niches determined from fatty acid profiles of sympatric coral reef mesopredators. Marine Ecology - Progress Series, 2019, 632, 159-174.	1.9	8
48	The role of tropical small-scale fisheries in trace element delivery for a Small Island Developing State community, the Seychelles. Marine Pollution Bulletin, 2022, 181, 113870.	5.0	8
49	The use of muscle lipids and fatty acids to assess shark diet and condition. Journal of Fish Biology, 2021, 98, 566-571.	1.6	7
50	Spatial variation in stable isotopes and fatty acid trophic markers in albacore tuna (Thunnus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T 2020, 161, 103286.	1.4	4
51	A review of support tools to assess multi-sector interactions in the emerging offshore Blue Economy. Environmental Science and Policy, 2022, 133, 203-214.	4.9	4
52	Diet of albacore *Thunnus alalunga* from the waters of Mauritius (western Indian Ocean) inferred from stomach contents and fatty acid analysis. African Journal of Marine Science, 2020, 42, 131-140.	1.1	3
53	Habitat degradation increases interspecific trophic competition between three spiny lobster species in Seychelles. Estuarine, Coastal and Shelf Science, 2021, 256, 107368.	2.1	3
54	Effect of body size, feeding ecology and maternal transfer on mercury accumulation of vulnerable silky shark Carcharhinus falciformis in the eastern tropical pacific. Environmental Pollution, 2022, 309, 119751.	7.5	3

#	Article	IF	Citations
55	Global data set for nitrogen and carbon stable isotopes of tunas. Ecology, 2021, 102, e03265.	3.2	2
56	Trophic niche partitioning of five sympatric shark species in the tropical eastern Pacific Ocean revealed by multi-tissue fatty acid analysis. Environmental Research, 2022, 214, 113828.	7.5	1