

# Michelle R Heupel

## List of Publications by Year in descending order

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Version: 2024-02-01

107  
papers

7,767  
citations

66343

42  
h-index

54911

84  
g-index

108  
all docs

108  
docs citations

108  
times ranked

6421  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of human footprint and biophysical factors on the body size structure of fished marine species. <i>Conservation Biology</i> , 2022, 36, .	4.7	16
2	Global trends in aquatic animal tracking with acoustic telemetry. <i>Trends in Ecology and Evolution</i> , 2022, 37, 79-94.	8.7	60
3	Variation in abundance, diversity and composition of coral reef fishes with increasing depth at a submerged shoal in the northern Great Barrier Reef. <i>Reviews in Fish Biology and Fisheries</i> , 2022, 32, 941-962.	4.9	6
4	A standardisation framework for bio-logging data to advance ecological research and conservation. <i>Methods in Ecology and Evolution</i> , 2021, 12, 996-1007.	5.2	39
5	The power of national acoustic tracking networks to assess the impacts of human activity on marine organisms during the COVID-19 pandemic. <i>Biological Conservation</i> , 2021, 256, 108995.	4.1	26
6	Continental-scale acoustic telemetry and network analysis reveal new insights into stock structure. <i>Fish and Fisheries</i> , 2021, 22, 987-1005.	5.3	18
7	The BRUVs workshop – An Australia-wide synthesis of baited remote underwater video data to answer broad-scale ecological questions about fish, sharks and rays. <i>Marine Policy</i> , 2021, 127, 104430.	3.2	15
8	Increased connectivity and depth improve the effectiveness of marine reserves. <i>Global Change Biology</i> , 2021, 27, 3432-3447.	9.5	27
9	Intra-specific variation in movement and habitat connectivity of a mobile predator revealed by acoustic telemetry and network analyses. <i>Marine Biology</i> , 2021, 168, 1.	1.5	16
10	Complex Human-Shark Conflicts Confound Conservation Action. <i>Frontiers in Conservation Science</i> , 2021, 2, .	1.9	8
11	Shark conservation hindered by lack of habitat protection. <i>Global Ecology and Conservation</i> , 2020, 21, e00862.	2.1	24
12	Global status and conservation potential of reef sharks. <i>Nature</i> , 2020, 583, 801-806.	27.8	176
13	Estimating marine protected area network benefits for reef sharks. <i>Journal of Applied Ecology</i> , 2020, 57, 1969-1980.	4.0	12
14	A field and video annotation guide for baited remote underwater stereo-video surveys of demersal fish assemblages. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1401-1409.	5.2	104
15	Optimal soak times for Baited Remote Underwater Video Station surveys of reef-associated elasmobranchs. <i>PLoS ONE</i> , 2020, 15, e0231688.	2.5	13
16	Prioritising search effort to locate previously unknown populations of endangered marine reptiles. <i>Global Ecology and Conservation</i> , 2020, 22, e01013.	2.1	5
17	Individual and Population Benefits of Marine Reserves for Reef Sharks. <i>Current Biology</i> , 2020, 30, 480-489.e5.	3.9	90
18	Sex-based differences in movement and space use of the blacktip reef shark, <i>Carcharhinus melanopterus</i> . <i>PLoS ONE</i> , 2020, 15, e0231142.	2.5	7

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19	Repeatability of baited remote underwater video station (BRUVS) results within and between seasons. PLoS ONE, 2020, 15, e0244154.	2.5	3
20	How does marker choice affect your diet analysis: comparing genetic markers and digestion levels for diet metabarcoding of tropical-reef piscivores. Marine and Freshwater Research, 2019, 70, 8.	1.3	27
21	Animal-Borne Telemetry: An Integral Component of the Ocean Observing Toolkit. Frontiers in Marine Science, 2019, 6, .	2.5	127
22	Overhauling Ocean Spatial Planning to Improve Marine Megafauna Conservation. Frontiers in Marine Science, 2019, 6, .	2.5	65
23	Reef Shark Science – Key Questions and Future Directions. Frontiers in Marine Science, 2019, 6, .	2.5	29
24	Interspecific interactions, movement patterns and habitat use in a diverse coastal shark assemblage. Marine Biology, 2019, 166, 1.	1.5	28
25	Translating Marine Animal Tracking Data into Conservation Policy and Management. Trends in Ecology and Evolution, 2019, 34, 459-473.	8.7	256
26	Potential of a no-take marine reserve to protect home ranges of anadromous brown trout ( <i>Salmo trutta</i> ) in the Overlock 1000 marine reserve. Marine and Freshwater Research, 2019, 70, 897.	1.9	8
27	Advances in understanding the roles and benefits of nursery areas for elasmobranch populations. Marine and Freshwater Research, 2019, 70, 897.	1.3	74
28	Latitudinal and seasonal variation in space use by a large, predatory reef fish, <i>Plectropomus leopardus</i> . Functional Ecology, 2019, 33, 670-680.	3.6	12
29	Sharks. , 2019, , 181-189.		0
30	Continental-scale animal tracking reveals functional movement classes across marine taxa. Scientific Reports, 2018, 8, 3717.	3.3	47
31	Australia's continental-scale acoustic tracking database and its automated quality control process. Scientific Data, 2018, 5, 170206.	5.3	51
32	Are we underestimating elasmobranch abundances on baited remote underwater video systems (BRUVS) using traditional metrics?. Journal of Experimental Marine Biology and Ecology, 2018, 503, 80-85.	1.5	30
33	A standardised framework for analysing animal detections from automated tracking arrays. Animal Biotelemetry, 2018, 6, .	1.9	59
34	Future Directions in the Research and Management of Marine Snakes. Frontiers in Marine Science, 2018, 5, .	2.5	22
35	Integrating complementary methods to improve diet analysis in fishery-targeted species. Ecology and Evolution, 2018, 8, 9503-9515.	1.9	38
36	Evidence of behavioural thermoregulation by dugongs at the high latitude limit to their range in eastern Australia. Journal of Experimental Marine Biology and Ecology, 2018, 508, 27-34.	1.5	15

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37	Trophodynamics as a Tool for Understanding Coral Reef Ecosystems. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	23
38	Reef-scale variability in fish and coral assemblages on the central Great Barrier Reef. <i>Marine Biology</i> , 2018, 165, 1.	1.5	7
39	Analysis of the supply chain and conservation status of sharks (Elasmobranchii: Superorder) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.5	29
40	Temporal and spatial activity-associated energy partitioning in free-swimming sea snakes. <i>Functional Ecology</i> , 2017, 31, 1739-1749.	3.6	17
41	Acoustic telemetry and fisheries management. <i>Ecological Applications</i> , 2017, 27, 1031-1049.	3.8	232
42	A large predatory reef fish species moderates feeding and activity patterns in response to seasonal and latitudinal temperature variation. <i>Scientific Reports</i> , 2017, 7, 12966.	3.3	20
43	Application of the Acoustic Propagation Model to a deep-water cross-shelf curtain. <i>Methods in Ecology and Evolution</i> , 2017, 8, 1305-1308.	5.2	3
44	Envisioning the Future of Aquatic Animal Tracking: Technology, Science, and Application. <i>BioScience</i> , 2017, 67, 884-896.	4.9	108
45	Optimising the design of large-scale acoustic telemetry curtains. <i>Marine and Freshwater Research</i> , 2017, 68, 1403.	1.3	33
46	Sympathy for the devil: a conservation strategy for devil and manta rays. <i>PeerJ</i> , 2017, 5, e3027.	2.0	82
47	Evidence of Partial Migration in a Large Coastal Predator: Opportunistic Foraging and Reproduction as Key Drivers?. <i>PLoS ONE</i> , 2016, 11, e0147608.	2.5	76
48	Benefits of marine protected areas for tropical coastal sharks. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016, 26, 1063-1080.	2.0	9
49	Importance of Shallow Tidal Habitats as Refugia from Trawl Fishing for Sea Snakes. <i>Journal of Herpetology</i> , 2016, 50, 527-533.	0.5	11
50	Molecular changes in skin pigmented lesions of the coral trout <i>Plectropomus leopardus</i> . <i>Marine Environmental Research</i> , 2016, 120, 130-135.	2.5	9
51	Ecology: The Upside-Down World of Coral Reef Predators. <i>Current Biology</i> , 2016, 26, R708-R710.	3.9	4
52	The influence of environmental parameters on the performance and detection range of acoustic receivers. <i>Methods in Ecology and Evolution</i> , 2016, 7, 825-835.	5.2	106
53	Coming up for air: thermal-dependence of dive behaviours and metabolism in sea snakes. <i>Journal of Experimental Biology</i> , 2016, 219, 3447-3454.	1.7	11
54	Foraging behaviour of the epaulette shark <i>Hemiscyllium ocellatum</i> is not affected by elevated CO <sub>2</sub> . <i>ICES Journal of Marine Science</i> , 2016, 73, 633-640.	2.5	43

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55	Key Questions in Marine Megafauna Movement Ecology. <i>Trends in Ecology and Evolution</i> , 2016, 31, 463-475.	8.7	397
56	Long-term site fidelity of endangered small-tooth sawfish ( <i>Pristis pectinata</i> ) from different mothers. <i>Fishery Bulletin</i> , 2016, 114, 461-475.	0.2	8
57	Ghosts in the data: false detections in VEMCO pulse position modulation acoustic telemetry monitoring equipment. <i>Animal Biotelemetry</i> , 2015, 3, .	1.9	83
58	Diel patterns in three-dimensional use of space by sea snakes. <i>Animal Biotelemetry</i> , 2015, 3, .	1.9	16
59	Assessing fine-scale diel movement patterns of an exploited coral reef fish. <i>Animal Biotelemetry</i> , 2015, 3, .	1.9	16
60	Ecological Drivers of Shark Distributions along a Tropical Coastline. <i>PLoS ONE</i> , 2015, 10, e0121346.	2.5	35
61	Conservation challenges of sharks with continental scale migrations. <i>Frontiers in Marine Science</i> , 2015, 2, .	2.5	116
62	Movement patterns and habitat use of juvenile mangrove whiprays ( <i>Himantura granulata</i> ). <i>Marine and Freshwater Research</i> , 2015, 66, 481.	1.3	32
63	Diversity in immature-shark communities along a tropical coastline. <i>Marine and Freshwater Research</i> , 2015, 66, 399.	1.3	14
64	Contrasting movements and connectivity of reef-associated sharks using acoustic telemetry: implications for management. <i>Ecological Applications</i> , 2015, 25, 2101-2118.	3.8	89
65	Movement patterns of silvertip sharks ( <i>Carcharhinus albimarginatus</i> ) on coral reefs. <i>Coral Reefs</i> , 2015, 34, 807-821.	2.2	28
66	Movements and space use of giant trevally in coral reef habitats and the importance of environmental drivers. <i>Animal Biotelemetry</i> , 2015, 3, .	1.9	23
67	Nearshore movement ecology of a medium-bodied shark, the creek whaler <i>Carcharhinus fitzroyensis</i> . <i>Animal Biotelemetry</i> , 2015, 3, .	1.9	4
68	Is acoustic tracking appropriate for air-breathing marine animals? Dugongs as a case study. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 464, 1-10.	1.5	24
69	Spatio-Temporal Occurrence Patterns of Young Sharks in Tropical Coastal Waters. <i>Estuaries and Coasts</i> , 2015, 38, 2019-2030.	2.2	6
70	A comparison between traditional kernel-based methods and network analysis: an example from two nearshore shark species. <i>Animal Behaviour</i> , 2015, 103, 17-28.	1.9	39
71	Assessing environmental correlates of fish movement on a coral reef. <i>Coral Reefs</i> , 2015, 34, 1267-1277.	2.2	21
72	Effects of environmental variables on the movement and space use of coastal sea snakes over multiple temporal scales. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 473, 26-34.	1.5	22

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73	Residency patterns and movements of grey reef sharks ( <i>Carcharhinus amblyrhynchos</i> ) in semi-isolated coral reef habitats. <i>Marine Biology</i> , 2015, 162, 343-358.	1.5	63
74	Geographic and temporal variation in the trophic ecology of a small-bodied shark: evidence of resilience to environmental change. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 343-351.	1.4	17
75	Quantifying Shark Distribution Patterns and Species-Habitat Associations: Implications of Marine Park Zoning. <i>PLoS ONE</i> , 2014, 9, e106885.	2.5	116
76	A product of its environment: the epaulette shark ( <i>Hemiscyllium ocellatum</i> ) exhibits physiological tolerance to elevated environmental CO <sub>2</sub> . , 2014, 2, cou047-cou047.		50
77	Making connections in aquatic ecosystems with acoustic telemetry monitoring. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 565-573.	4.0	136
78	Inferring movement patterns of a coral reef fish using oxygen and carbon isotopes in otolith carbonate. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 456, 18-25.	1.5	10
79	Influence of environmental factors on shark and ray movement, behaviour and habitat use: a review. <i>Reviews in Fish Biology and Fisheries</i> , 2014, 24, 1089-1103.	4.9	210
80	Sedentary or mobile? Variability in space and depth use of an exploited coral reef fish. <i>Marine Biology</i> , 2014, 161, 2155-2166.	1.5	29
81	Distribution of sea snakes in the Great Barrier Reef Marine Park: observations from 10Âyrs of baited remote underwater video station (BRUVS) sampling. <i>Coral Reefs</i> , 2014, 33, 777-791.	2.2	14
82	Extinction risk and conservation of the worldâ€™s sharks and rays. <i>ELife</i> , 2014, 3, e00590.	6.0	1,400
83	Validated age, growth and reproductive biology of <i>Carcharhinus melanopterus</i> , a widely distributed and exploited reef shark. <i>Marine and Freshwater Research</i> , 2013, 64, 965.	1.3	44
84	First record of sea snake ( <i>Hydrophis elegans</i> , Hydrophiinae) entrapped in marine debris. <i>Marine Pollution Bulletin</i> , 2013, 73, 336-338.	5.0	21
85	To roam or to home: site fidelity in a tropical coastal shark. <i>Marine Biology</i> , 2012, 159, 1647-1657.	1.5	29
86	Consistent movement traits indicative of innate behavior in neonate sharks. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012, 432-433, 131-137.	1.5	20
87	Mortality rates for two shark species occupying a shared coastal environment. <i>Fisheries Research</i> , 2012, 125-126, 184-189.	1.7	24
88	Evaluating marine protected areas for the conservation of tropical coastal sharks. <i>Biological Conservation</i> , 2012, 148, 200-209.	4.1	120
89	Harvest selection on Atlantic cod behavioral traits: implications for spatial management. <i>Ecology and Evolution</i> , 2012, 2, 1549-1562.	1.9	93
90	Evidence of Melanoma in Wild Marine Fish Populations. <i>PLoS ONE</i> , 2012, 7, e41989.	2.5	58

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91	Environmental Influences on the Spatial Ecology of Juvenile Smalltooth Sawfish ( <i>Pristis pectinata</i> ): Results from Acoustic Monitoring. <i>PLoS ONE</i> , 2011, 6, e16918.	2.5	68
92	Shark biology, ecology and management: introduction. <i>Marine and Freshwater Research</i> , 2011, 62, 517.	1.3	2
93	Maternal meddling in neonatal sharks: implications for interpreting stable isotopes in young animals. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1008-1016.	1.5	83
94	Wet-season effects on the distribution of juvenile pigeye sharks, <i>Carcharhinus amboinensis</i> , in tropical nearshore waters. <i>Marine and Freshwater Research</i> , 2011, 62, 658.	1.3	35
95	Demography of a large exploited grouper, <i>Plectropomus laevis</i> : Implications for fisheries management. <i>Marine and Freshwater Research</i> , 2010, 61, 184.	1.3	16
96	Ecological risk assessment of pelagic sharks caught in Atlantic pelagic longline fisheries. <i>Aquatic Living Resources</i> , 2010, 23, 25-34.	1.2	159
97	Adaptive management of the Great Barrier Reef: A globally significant demonstration of the benefits of networks of marine reserves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18278-18285.	7.1	408
98	Long-term presence and movement patterns of juvenile bull sharks, <i>Carcharhinus leucas</i> , in an estuarine river system. <i>Marine and Freshwater Research</i> , 2010, 61, 1.	1.3	80
99	Large-scale Movement and Reef Fidelity of Grey Reef Sharks. <i>PLoS ONE</i> , 2010, 5, e9650.	2.5	112
100	Movement patterns and water quality preferences of juvenile bull sharks ( <i>Carcharhinus leucas</i> ) in a Florida estuary. <i>Environmental Biology of Fishes</i> , 2009, 84, 361-373.	1.0	73
101	Coastal Habitat Use and Residency of Juvenile Atlantic Sharpnose Sharks ( <i>Rhizoprionodon</i> )	2.2	49
102	Spatial Distribution and Long-term Movement Patterns of Cownose Rays <i>Rhinoptera bonasus</i> Within an Estuarine River. <i>Estuaries and Coasts</i> , 2008, 31, 1174-1183.	2.2	57
103	Effects of biofouling on performance of moored data logging acoustic receivers. <i>Limnology and Oceanography: Methods</i> , 2008, 6, 327-335.	2.0	59
104	Residency and movement patterns of bonnethead sharks, <i>Sphyrna tiburo</i> , in a large Florida estuary. <i>Environmental Biology of Fishes</i> , 2006, 76, 47-67.	1.0	107
105	Distribution and habitat partitioning of immature bull sharks ( <i>Carcharhinus leucas</i> ) in a Southwest Florida estuary. <i>Estuaries and Coasts</i> , 2005, 28, 78-85.	1.7	131
106	Estimation of Shark Home Ranges using Passive Monitoring Techniques. <i>Environmental Biology of Fishes</i> , 2004, 71, 135-142.	1.0	170
107	Estimation of short-term centers of activity from an array of omnidirectional hydrophones and its use in studying animal movements. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2002, 59, 23-32.	1.4	315