

# Paul A Butcher

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

1,940  
citations

257450

24  
h-index

330143

37  
g-index

99  
all docs

99  
docs citations

99  
times ranked

1606  
citing authors

#	ARTICLE	IF	CITATIONS
1	The potential for unmanned aerial vehicles (UAVs) to conduct marine fauna surveys in place of manned aircraft. ICES Journal of Marine Science, 2018, 75, 1-8.	2.5	120
2	Operational Protocols for the Use of Drones in Marine Animal Research. Drones, 2020, 4, 64.	4.9	78
3	Angling for endangered fish: conservation problem or conservation action?. Fish and Fisheries, 2016, 17, 249-265.	5.3	70
4	Assessing variation in assemblages of large marine fauna off ocean beaches using drones. Marine and Freshwater Research, 2020, 71, 68.	1.3	70
5	Reliability of marine faunal detections in drone-based monitoring. Ocean and Coastal Management, 2019, 174, 108-115.	4.4	69
6	Beach safety: can drones provide a platform for sighting sharks?. Wildlife Research, 2019, 46, 701.	1.4	66
7	The Drone Revolution of Shark Science: A Review. Drones, 2021, 5, 8.	4.9	66
8	Future Research Directions on the "Elusive" White Shark. Frontiers in Marine Science, 2018, 5, .	2.5	56
9	Giant mud crab ( <i>Scylla serrata</i> ): relative efficiencies of common baited traps and impacts on discards. ICES Journal of Marine Science, 2012, 69, 1511-1522.	2.5	40
10	At-vessel mortality and blood biochemical status of elasmobranchs caught in an Australian commercial longline fishery. Global Ecology and Conservation, 2015, 3, 878-889.	2.1	39
11	Release method and anatomical hook location: effects on short-term mortality of angler-caught <i>Acanthopagrus australis</i> and <i>Argyrosomus japonicus</i> . Diseases of Aquatic Organisms, 2007, 74, 17-26.	1.0	39
12	Geochemistry and mercury contamination in receiving environments of artisanal mining wastes and identified concerns for food safety. Environmental Research, 2017, 152, 407-418.	7.5	38
13	Spatiotemporal distribution patterns of immature Australasian white sharks ( <i>Carcharodon</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.3	38
14	Environmental drivers of abundance and residency of a large migratory shark, <i>Carcharhinus leucas</i> , inshore of a dynamic western boundary current. Marine Ecology - Progress Series, 2019, 622, 121-137.	1.9	37
15	Assessing White Shark ( <i>Carcharodon carcharias</i> ) Behavior Along Coastal Beaches for Conservation-Focused Shark Mitigation. Frontiers in Marine Science, 2020, 7, .	2.5	34
16	Comparison of sampling precision for nearshore marine wildlife using unmanned and manned aerial surveys. Journal of Unmanned Vehicle Systems, 2020, 8, 30-43.	1.2	33
17	Ingestion and ejection of hooks: effects on long-term health and mortality of angler-caught yellowfin bream <i>Acanthopagrus australis</i> . Diseases of Aquatic Organisms, 2007, 74, 27-36.	1.0	33
18	Assessing barotrauma among angled snapper ( <i>Pagrus auratus</i> ) and the utility of release methods. Fisheries Research, 2012, 127-128, 49-55.	1.7	30

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19	Mortality of sand whiting ( <i>Sillago ciliata</i> ) released by recreational anglers in an Australian estuary. <i>ICES Journal of Marine Science</i> , 2006, 63, 567-571.	2.5	29
20	Mortality and blood loss by blue swimmer crabs ( <i>Portunus pelagicus</i> ) after simulated capture and discarding from gillnets. <i>ICES Journal of Marine Science</i> , 2009, 66, 455-461.	2.5	29
21	Effects of angling on post-release mortality, gonadal development and somatic condition of Australian bass <i>Macquaria novemaculeata</i> . <i>Journal of Fish Biology</i> , 2009, 75, 2737-2755.	1.6	29
22	Beach-user perceptions and attitudes towards drone surveillance as a shark-bite mitigation tool. <i>Marine Policy</i> , 2020, 120, 104127.	3.2	28
23	Environmental conditions are poor predictors of immature white shark <i>Carcharodon carcharias</i> occurrences on coastal beaches of eastern Australia. <i>Marine Ecology - Progress Series</i> , 2020, 653, 167-179.	1.9	28
24	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
25	Metal and metalloid concentrations in the tissues of dusky <i>Carcharhinus obscurus</i> , sandbar <i>C. plumbeus</i> and white <i>Carcharodon carcharias</i> sharks from south-eastern Australian waters, and the implications for human consumption. <i>Marine Pollution Bulletin</i> , 2015, 92, 186-194.	5.0	25
26	Comparative population genomics confirms little population structure in two commercially targeted carcharhinid sharks. <i>Marine Biology</i> , 2019, 166, 1.	1.5	24
27	Relative trap efficiency for recreationally caught eastern Australian blue swimmer crab ( <i>Portunus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 302	1.7	23
28	Effects of Mesh Size and Escape Gaps on Discarding in an Australian Giant Mud Crab ( <i>Scylla serrata</i> ) Trap Fishery. <i>PLoS ONE</i> , 2014, 9, e106414.	2.5	22
29	The effectiveness of Shark Management Alert Real Time (SMART) drumlines as a tool for catching white sharks, <i>Carcharodon carcharias</i> , off coastal New South Wales, Australia. <i>Fisheries Management and Ecology</i> , 2021, 28, 496-506.	2.0	22
30	Using biotelemetry to assess the mortality and behaviour of yellowfin bream ( <i>Acanthopagrus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	2.5	21
31	Introgressive hybridisation between two widespread sharks in the east Pacific region. <i>Molecular Phylogenetics and Evolution</i> , 2019, 136, 119-127.	2.7	21
32	Assessing the viability of small aerial drones to quantify recreational fishers. <i>Fisheries Management and Ecology</i> , 2020, 27, 615-621.	2.0	21
33	Responses of bottlenose dolphins ( <i>Tursiops</i> spp.) to small drones. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 677-684.	2.0	21
34	Drones detect illegal and derelict crab traps in a shallow water estuary. <i>Fisheries Management and Ecology</i> , 2019, 26, 311-318.	2.0	19
35	Whale carcass scavenging by sharks. <i>Global Ecology and Conservation</i> , 2019, 19, e00655.	2.1	19
36	The acute physiological status of white sharks ( <i>Carcharodon carcharias</i> ) exhibits minimal variation after capture on SMART drumlines. , 2019, 7, coz042.		18

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37	Using drones to quantify beach users across a range of environmental conditions. <i>Journal of Coastal Conservation</i> , 2019, 23, 633-642.	1.6	18
38	Oceanographic conditions associated with white shark ( <i>Carcharodon carcharias</i> ) habitat use along eastern Australia. <i>Marine Ecology - Progress Series</i> , 2021, 659, 143-159.	1.9	18
39	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
40	Movements and mortality of two commercially exploited carcharhinid sharks following longline capture and release off eastern Australia. <i>Endangered Species Research</i> , 2016, 30, 193-208.	2.4	18
41	Forecasting intraspecific changes in distribution of a wide-ranging marine predator under climate change. <i>Oecologia</i> , 2022, 198, 111-124.	2.0	18
42	Damage and physiological stress to juvenile eastern rock lobster ( <i>Sagmariasus verreauxi</i> ) discarded after trapping and hand collection. <i>Fisheries Research</i> , 2013, 137, 63-70.	1.7	17
43	Bioaccumulation of PCBs in liver tissue of dusky <i>Carcharhinus obscurus</i> , sandbar <i>C. plumbeus</i> and white <i>Carcharodon carcharias</i> sharks from south-eastern Australian waters. <i>Marine Pollution Bulletin</i> , 2015, 101, 908-913.	5.0	17
44	Whale carcass strandings on beaches: Management challenges, research needs, and examples from Australia. <i>Ocean and Coastal Management</i> , 2018, 163, 323-338.	4.4	15
45	Variation in cownose ray <i>Rhinoptera neglecta</i> abundance and group size on the central east coast of Australia. <i>Journal of Fish Biology</i> , 2020, 96, 427-433.	1.6	15
46	Effects of short-term capture on the physiology of white sharks <i>Carcharodon carcharias</i> : amino acids and fatty acids. <i>Endangered Species Research</i> , 2019, 40, 297-308.	2.4	15
47	Age validation in the Lutjanidae: A review. <i>Fisheries Research</i> , 2015, 167, 48-63.	1.7	14
48	Aerial drone technology can assist compliance of trap fisheries. <i>Fisheries Management and Ecology</i> , 2020, 27, 381-388.	2.0	14
49	Mortality and physical damage of angled-and-released dusky flathead <i>Platycephalus fuscus</i> . <i>Diseases of Aquatic Organisms</i> , 2008, 81, 127-134.	1.0	14
50	Influence of terminal rig configuration on the anatomical hooking location of line-caught yellowfin bream, <i>Acanthopagrus australis</i> . <i>Fisheries Management and Ecology</i> , 2008, 15, 303-313.	2.0	13
51	Fate of three Australian teleosts after ingesting conventional and modified stainless- and carbon-steel hooks. <i>ICES Journal of Marine Science</i> , 2011, 68, 2114-2122.	2.5	13
52	Temporal hooking variability among sharks on south-eastern Australian demersal longlines and implications for their management. <i>Global Ecology and Conservation</i> , 2014, 2, 181-189.	2.1	13
53	Age and growth of mangrove red snapper <i>Lutjanus argentimaculatus</i> at its cool-water range limits. <i>Journal of Fish Biology</i> , 2015, 86, 1587-1600.	1.6	13
54	Habitat use and movement patterns of tiger sharks ( <i>Galeocerdo cuvier</i> ) in eastern Australian waters. <i>ICES Journal of Marine Science</i> , 2020, 77, 3127-3137.	2.5	13

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55	Short-term mortality of Australian bass, <i>Macquaria novemaculeata</i> , after catch-and-release angling. <i>Fisheries Management and Ecology</i> , 2009, 16, 235-247.	2.0	12
56	Improving reliability of species identification and logbook catch reporting by commercial fishers in an Australian demersal shark longline fishery. <i>Fisheries Management and Ecology</i> , 2018, 25, 186-202.	2.0	12
57	Using a multi-experimental approach to assess the fate of angled-and-released yellowtail kingfish ( <i>Seriola lalandi</i> ). <i>ICES Journal of Marine Science</i> , 2011, 68, 67-75.	2.5	11
58	Post-release survival and physiology of angled luderick ( <i>Girella tricuspidata</i> ) after confinement in keeper nets in an Australian estuary. <i>ICES Journal of Marine Science</i> , 2011, 68, 572-579.	2.5	11
59	Post-release mortality of angled golden perch <i>Macquaria ambigua</i> and Murray cod <i>Maccullochella peelii</i> . <i>Fisheries Management and Ecology</i> , 2012, 19, 10-21.	2.0	11
60	Reviewing hook degradation to promote ejection after ingestion by marine fish. <i>Marine and Freshwater Research</i> , 2011, 62, 1237.	1.3	11
61	Effects of salinity and anatomical hook location on the mortality and physiological response of angled-and-released sand whiting <i>Sillago ciliata</i> . <i>Journal of Fish Biology</i> , 2009, 74, 220-234.	1.6	10
62	Scale loss and mortality in angled-and-released eastern sea garfish ( <i>Hyporhamphus australis</i> ). <i>ICES Journal of Marine Science</i> , 2010, 67, 522-529.	2.5	10
63	Escape gaps in recreational panulirid traps: Reducing catches of undersized <i>Sagmariasus verreauxi</i> while increasing fishing power for legal sizes. <i>Fisheries Research</i> , 2017, 189, 55-61.	1.7	10
64	Identifying optimal wavelengths to maximise the detection rates of marine fauna from aerial surveys. <i>Biological Conservation</i> , 2021, 257, 109102.	4.1	10
65	Resilience of inshore, juvenile snapper <i>Pagrus auratus</i> to angling and release. <i>Journal of Fish Biology</i> , 2012, 80, 638-650.	1.6	9
66	Behavioural and biochemical alterations in <i>Penaeus monodon</i> post-larvae diet-exposed to inorganic mercury. <i>Chemosphere</i> , 2016, 164, 241-247.	8.2	9
67	White shark behaviour altered by stranded whale carcasses: Insights from drones and implications for beach management. <i>Ocean and Coastal Management</i> , 2021, 200, 105477.	4.4	9
68	Catch-and-release angling mortality of south-eastern Australian <i>Pomatomus saltatrix</i> . <i>African Journal of Marine Science</i> , 2012, 34, 289-295.	1.1	8
69	Clinical signs of barotrauma in golden perch, <i>Macquaria ambigua</i> ( <i>Richardson</i> ), and associated effects on post-release mortality and health. <i>Journal of Fish Diseases</i> , 2014, 37, 251-264.	1.9	8
70	Ingestion of inorganic mercury by juvenile black tiger prawns ( <i>Penaeus monodon</i> ) alters biochemical markers. <i>Ecotoxicology</i> , 2018, 27, 1225-1236.	2.4	8
71	Whale carcass leachate plumes in beach groundwater: A potential shark attractant to the surf?. <i>Marine Pollution Bulletin</i> , 2019, 140, 219-226.	5.0	8
72	Quantifying human use of sandy shores with aerial remote sensing technology: The sky is not the limit. <i>Ocean and Coastal Management</i> , 2021, 211, 105750.	4.4	8

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73	Physical damage, behaviour and post-release mortality of <i>Argyrosomus japonicus</i> after barotrauma and treatment. <i>African Journal of Marine Science</i> , 2013, 35, 511-521.	1.1	7
74	Life history of the common blacktip shark, <i>Carcharhinus limbatus</i> , from central eastern Australia and comparative demography of a cryptic shark complex. <i>Marine and Freshwater Research</i> , 2019, 70, 834.	1.3	7
75	Comparing distributions of white, bull, and tiger sharks near and away from the surf break using three tech-based methods. <i>Ocean and Coastal Management</i> , 2020, 198, 105366.	4.4	7
76	Effects of angler-induced exercise and air exposure on the mortality of mouth-hooked yellowfin bream ( <i>Acanthopagrus australis</i> ). <i>Journal of Applied Ichthyology</i> , 2009, 25, 100-103.	0.7	6
77	Influences of twine diameter and mesh area on the efficiency and durability of baited hoop nets targeting portunids. <i>Fisheries Management and Ecology</i> , 2015, 22, 488-500.	2.0	6
78	Variation in whole-, landed- and trimmed-carcass and fin-weight ratios for various sharks captured on demersal set-lines off eastern Australia. <i>Fisheries Research</i> , 2015, 167, 190-198.	1.7	6
79	The chemical signature of retained hooks in mulloway ( <i>Argyrosomus japonicus</i> ) revealed by otolith microchemistry. <i>Fisheries Research</i> , 2017, 186, 658-664.	1.7	6
80	Real-Time Drone Surveillance and Population Estimation of Marine Animals from Aerial Imagery. , 2018, , .		6
81	Effective number of white shark ( <i>Carcharodon carcharias</i> , Linnaeus) breeders is stable over four successive years in the population adjacent to eastern Australia and New Zealand. <i>Ecology and Evolution</i> , 2021, 11, 186-198.	1.9	6
82	Foraging plasticity diversifies mercury exposure sources and bioaccumulation patterns in the world's largest predatory fish. <i>Journal of Hazardous Materials</i> , 2022, 425, 127956.	12.4	6
83	Absorption of metals in mulloway ( <i>Argyrosomus japonicus</i> ) after ingesting nickel-plated carbon-steel hooks. <i>Marine Environmental Research</i> , 2014, 99, 188-197.	2.5	5
84	Relative efficiencies and durabilities of recreational hoop- and lift-nets targeting two Australian portunids. <i>Fisheries Research</i> , 2016, 179, 115-123.	1.7	5
85	Continental-Scale Network Reveals Cross-Jurisdictional Movements of Sympatric Sharks With Implications for Assessment and Management. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
86	Shark behaviour and marine faunal assemblage beneath SMART drumlines. <i>Fisheries Research</i> , 2021, 243, 106102.	1.7	5
87	Angling-Induced Barotrauma in Snapper <i>Chrysophrys auratus</i> : Are There Consequences for Reproduction?. <i>PLoS ONE</i> , 2015, 10, e0119158.	2.5	5
88	Integrating Biologging and Behavioral State Modeling to Identify Cryptic Behaviors and Post-capture Recovery Processes: New Insights From a Threatened Marine Apex Predator. <i>Frontiers in Marine Science</i> , 2022, 8, .	2.5	5
89	Development of an environmental DNA assay for detecting multiple shark species involved in human-shark conflicts in Australia. <i>Environmental DNA</i> , 2021, 3, 940-949.	5.8	4
90	Post-release mortality of angled sand mullet ( <i>Myxus elongatus</i> : Mugilidae). <i>Fisheries Research</i> , 2011, 107, 272-275.	1.7	3

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91	Sublethal effects of angling and release on golden perch <i>Macquaria ambigua</i> : implications for reproduction and fish health. <i>Journal of Fish Biology</i> , 2017, 90, 1980-1998.	1.6	3
92	Long-term effects of marine park zoning on giant mud crab <i>Scylla serrata</i> populations in three Australian estuaries. <i>Marine Ecology - Progress Series</i> , 2014, 508, 163-176.	1.9	2
93	Fate of yellowfin bream, <i>Acanthopagrus australis</i> after ingesting offset and/or inline barbed and barbless J and circle hooks. <i>Fisheries Research</i> , 2019, 211, 183-190.	1.7	1
94	Determining effective acoustic array design for monitoring presence of white sharks <i>Carcharodon carcharias</i> in nearshore habitats. <i>Marine Biology</i> , 2021, 168, 1.	1.5	1
95	Community sentiment on whale carcass beach burial and potential shark attraction. <i>Regional Studies in Marine Science</i> , 2021, 45, 101817.	0.7	0
96	The Application of UAVs to Inform Coastal Area Management. , 2020, , 261-270.		0