Jayson M Semmens

List of Publications by Year
in descending order

120	4,781	87723	118652
papers	citations	38 h-index	62 g-index

121	121	121	4881
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Life in the slow lane: field metabolic rate and prey consumption rate of the Greenland shark (Somniosus microcephalus) modelled using archival biologgers. Journal of Experimental Biology, 2022, 225, .	0.8	6
2			

#	Article	IF	Citations
19	Identification of essential habitats: Including chimaeras into current shark protected areas. Aquatic Conservation: Marine and Freshwater Ecosystems, 2019, 29, 865-880.	0.9	8
20	Motivation and harvesting behaviour of fishers in a specialized fishery targeting a top predator species at risk. People and Nature, 2019, 1, 44-58.	1.7	10
21	Partial female migration and cool-water migration pathways in an overfished shark. ICES Journal of Marine Science, 2019, 76, 1083-1093.	1.2	11
22	Dietary analysis reveals the vulnerability of the endangered Maugean skate (Zearaja maugeana) to benthic changes in Macquarie Harbour. Marine and Freshwater Research, 2019, 70, 745.	0.7	1
23	Swimming strategies and energetics of endothermic white sharks during foraging. Journal of Experimental Biology, 2019, 222, .	0.8	63
24	Seismic air guns damage rock lobster mechanosensory organs and impair righting reflex. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191424.	1.2	27
25	Bottom trawl fishing footprints on the worldâ€™s continental shelves. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10275-E10282.	3.3	189
26	Population genetics of the endangered Maugean skate (Zearaja maugeana) in Macquarie Harbour, Tasmania. Conservation Genetics, 2018, 19, 1505-1512.	0.8	6
27	Examining trends in abundance of an overexploited elasmobranch species in a nursery area closure. Marine and Freshwater Research, 2018, 69, 376.	0.7	6
28	Population genetic signatures of a climate change driven marine range extension. Scientific Reports, 2018, 8, 9558.	1.6	31
29	Evaluating abundance trends of iconic species using local ecological knowledge. Biological Conservation, 2018, 225, 197-207.	1.9	18
30	Interacting with wildlife tourism increases activity of white sharks. , 2018, 6, coy019.		33
31	Climate change alters stability and species potential interactions in a large marine ecosystem. Global Change Biology, 2018, 24, e90-e100.	4.2	34
32	Natural tags reveal populations of Conservation Dependent school shark use different pupping areas. Marine Ecology - Progress Series, 2018, 599, 147-156.	0.9	11
33	Widely used marine seismic survey air gun operations negatively impact zooplankton. Nature Ecology and Evolution, 2017, 1, 195.	3.4	91
34	The impact of seismic air gun exposure on the haemolymph physiology and nutritional condition of spiny lobster, Jasus edwardsii. Marine Pollution Bulletin, 2017, 125, 146-156.	2.3	32
35	Exposure to seismic air gun signals causes physiological harm and alters behavior in the scallop Pecten fumatus. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8537-E8546.	3.3	49
36	Application of the Acoustic Propagation Model to a deepâ€water crossâ€shelf curtain. Methods in Ecology and Evolution, 2017, 8, 1305-1308.	2.2	3

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37	Observations of marine wildlife tourism effects on a nonâ€focal species. Journal of Fish Biology, 2017, 91, 981-988.	0.7	21
38	Response of Atlantic salmon Salmo salar to temperature and dissolved oxygen extremes established using animal-borne environmental sensors. Scientific Reports, 2017, 7, 4545.	1.6	91
39	Application of environmental DNA to detect an endangered marine skate species in the wild. PLoS ONE, 2017, 12, e0178124.	1.1	98
40	Dive characteristics can predict foraging success in Australian fur seals (Arctocephalus pusillus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	16
41	Physiological responses to hypersalinity correspond to nursery ground usage in two inshore shark species (Mustelus antarcticus & Galeorhinus galeus). Journal of Experimental Biology, 2016, 219, 2028-38.	0.8	15
42	Global proliferation of cephalopods. Current Biology, 2016, 26, R406-R407.	1.8	211
43	Stirred but not shaken: population and recruitment genetics of the scallop (Pecten fumatus) in Bass Strait, Australia. ICES Journal of Marine Science, 2016, 73, 2333-2341.	1.2	2
44	The influence of environmental parameters on the performance and detection range of acoustic receivers. Methods in Ecology and Evolution, 2016, 7, 825-835.	2.2	106
45	Pass the salt: physiological consequences of ecologically relevant hyposmotic exposure in juvenile gummy sharks (Mustelus antarcticus) and school sharks (Galeorhinus galeus). , 2016, 4, cow036.		10
46	Seismic air gun exposure during early-stage embryonic development does not negatively affect spiny lobster Jasus edwardsii larvae (Decapoda:Palinuridae). Scientific Reports, 2016, 6, 22723.	1.6	22
47	Remote bioenergetics measurements in wild fish: Opportunities and challenges. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 202, 23-37.	0.8	119
48	Ecotourism increases the field metabolic rate of whitetip reef sharks. Biological Conservation, 2016, 199, 132-136.	1.9	74
49	Reproductive strategies and energy sources fuelling reproductive growth in a protracted spawner. Marine Biology, 2016, 163, 1.	0.7	13
50	Testing optimal foraging theory models on benthic divers. Animal Behaviour, 2016, 112, 127-138.	0.8	26
51	From video recordings to whisker stable isotopes: a critical evaluation of timescale in assessing individual foraging specialisation in Australian fur seals. Oecologia, 2016, 180, 657-670.	0.9	42
52	Reproductive capacity of a marine species (Octopus tetricus) within a recent range extension area. Marine and Freshwater Research, 2015, 66, 999.	0.7	17
53	High survivorship after catch-and-release fishing suggests physiological resilience in the endothermic shortfin mako shark (Isurus oxyrinchus). , 2015, 3, cov044.		44
54	A new method for resolving uncertainty of energy requirements in large water breathers: the â€˜megaâ€flumeâ€™ seagoing swimâ€tunnel respirometer. Methods in Ecology and Evolution, 2015, 6, 668-677.	2.2	44

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55	Use of Anthropogenic Sea Floor Structures by Australian Fur Seals: Potential Positive Ecological Impacts of Marine Industrial Development?. PLoS ONE, 2015, 10, e0130581.	1.1	43
56	The use of acoustic accelerometer tags to determine seasonal changes in activity and catchability of a recreationally caught marine teleost. ICES Journal of Marine Science, 2015, 72, 2512-2520.	1.2	13
57	Integrating acoustic telemetry into markâ€“recapture models to improve the precision of apparent survival and abundance estimates. Oecologia, 2015, 178, 761-772.	0.9	59
58	Blue blood on ice: modulated blood oxygen transport facilitates cold compensation and eurythermy in an Antarctic octopod. Frontiers in Zoology, 2015, 12, 6.	0.9	15
59	Examining the functional role of current area closures used for the conservation of an overexploited and highly mobile fishery species. ICES Journal of Marine Science, 2015, 72, 2234-2244.	1.2	14
60	Early post-settlement mortality of the scallop Pecten fumatus and the role of algal mats as a refuge from predation. ICES Journal of Marine Science, 2015, 72, 2322-2331.	1.2	2
61	Markov models and network analysis reveal sexâ€specific differences in the spaceâ€use of a coastal apex predator. Oikos, 2015, 124, 307-318.	1.2	25
62	Habitat Characteristics Predicting Distribution and Abundance Patterns of Scallops in Dâ€™Entrecasteaux Channel, Tasmania. PLoS ONE, 2014, 9, e85895.	1.1	13
63	Body Size, Growth and Life Span: Implications for the Polewards Range Shift of Octopus tetricus in South-Eastern Australia. PLoS ONE, 2014, 9, e103480.	1.1	35
64	Role of density in aggregation patterns and synchronization of spawning in the hermaphroditic scallop Pecten fumatus. Marine Biology, 2014, 161, 2857-2868.	0.7	9
65	From physiology to physics: are we recognizing the flexibility of biologging tools?. Journal of Experimental Biology, 2014, 217, 317-322.	0.8	43
66	Intraspecific differences in movement, dive behavior and vertical habitat preferences of a key marine apex predator. Marine Ecology - Progress Series, 2014, 495, 249-262.	0.9	17
67	The effects of cage-diving activities on the fine-scale swimming behaviour and space use of white sharks. Marine Biology, 2013, 160, 2863-2875.	0.7	66
68	Rain reverses diel activity rhythms in an estuarine teleost. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122363.	1.2	52
69	Network analysis of acoustic tracking data reveals the structure and stability of fish aggregations in the ocean. Animal Behaviour, 2013, 85, 839-848.	0.8	29
70	Seasonality and site fidelity of the zebra shark, Stegostoma fasciatum, in southeast Queensland, Australia. Animal Behaviour, 2013, 85, 471-481.	0.8	44
71	Feeding requirements of white sharks may be higher than originally thought. Scientific Reports, 2013, 3, 1471.	1.6	48
72	Mechanisms of Population Structuring in Giant Australian Cuttlefish Sepia apama. PLoS ONE, 2013, 8, e58694.	1.1	4

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73	Effects of an Electric Field on White Sharks: In Situ Testing of an Electric Deterrent. PLoS ONE, 2013, 8, e62730.	1.1	31
74	Life history matters: comparisons of population structuring in sympatric octopus species that differ in the presence of a pelagic larval stage. Marine Ecology - Progress Series, 2013, 486, 203-212.	0.9	17
75	Sequential movement into coastal habitats and high spatial overlap of predator and prey suggest high predation pressure in protected areas. Oikos, 2012, 121, 882-890.	1.2	51
76	Normalisation models for accounting for fat content in stable isotope measurements in salmonid muscle tissue. Marine Biology, 2012, 159, 57-64.	0.7	27
77	Using Age-Based Life History Data to Investigate the Life Cycle and Vulnerability of Octopus cyanea. PLoS ONE, 2012, 7, e43679.	1.1	24
78	Do exotic salmonids feed on native fauna after escaping from aquaculture cages in Tasmania, Australia?. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 1539-1551.	0.7	22
79	Tolerance limit for fish growth exceeded by warming waters. Nature Climate Change, 2011, 1, 110-113.	8.1	244
80	Accelerometry estimates field metabolic rate in giant Australian cuttlefish Sepia apama during breeding. Journal of Animal Ecology, 2011, 80, 422-430.	1.3	76
81	Quantification of the age-pigment lipofuscin in known-age octopus (Octopus pallidus): A potential tool for age determination. Journal of Experimental Marine Biology and Ecology, 2011, 397, 8-12.	0.7	16
82	Site fidelity and sex-specific migration in a mobile apex predator: implications for conservation and ecosystem dynamics. Animal Behaviour, 2011, 81, 1039-1048.	0.8	88
83	Breeding durations as estimators of adult sex ratios and population size. Oecologia, 2011, 165, 341-347.	0.9	16
84	Age determination in merobenthic octopuses using stylet increment analysis: assessing future challenges using Macroctopus maorum as a model. ICES Journal of Marine Science, 2011, 68, 2059-2063.	1.2	17
85	A multilevel approach to examining cephalopod growth usingOctopus pallidusas a model. Journal of Experimental Biology, 2011, 214, 2799-2807.	0.8	19
86	In situ measurement of coastal ocean movements and survival of juvenile Pacific salmon. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8708-8713.	3.3	93
87	Elemental uptake via immersion: a mass-marking technique for the early life-history stages of Âcephalopods. Marine Ecology - Progress Series, 2011, 436, 169-176.	0.9	6
88	Non-lethal method to obtain stomach samples from a large marine predator and the use of DNA analysis to improve dietary information. Journal of Experimental Marine Biology and Ecology, 2010, 393, 188-192.	0.7	73
89	Seasonal occurrence and population structure of the broadnose sevengill shark Notorynchus cepedianus in coastal habitats of southâ€east Tasmania. Journal of Fish Biology, 2010, 77, 1688-1701.	0.7	42
90	Fine-Scale Movements of the Broadnose Sevengill Shark and Its Main Prey, the Gummy Shark. PLoS ONE, 2010, 5, e15464.	1.1	44

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91	Predatorâ€“prey relationships and foraging ecology of a marine apex predator with a wide temperate distribution. Marine Ecology - Progress Series, 2010, 416, 189-200.	0.9	35
92	Spatial and temporal use of spawning aggregation sites by the tropical sciaenid Protonibea diacanthus. Marine Ecology - Progress Series, 2010, 403, 193-203.	0.9	29
93	Interpreting diel activity patterns from acoustic telemetry: the need for controls. Marine Ecology - Progress Series, 2010, 419, 295-301.	0.9	154
94	Microsatellite DNA markers and morphometrics reveal a complex population structure in a merobenthic octopus species (Octopus maorum) in south-east Australia and New Zealand. Marine Biology, 2009, 156, 1183-1192.	0.7	26
95	Assessing the stock status of holobenthic octopus fisheries: is catch per unit effort sufficient?. ICES Journal of Marine Science, 2009, 66, 478-487.	1.2	21
96	Effects of temperature on energetics and the growth pattern of benthic octopuses. Marine Ecology - Progress Series, 2009, 374, 167-179.	0.9	26
97	Modelling size-at-age in wild immature female octopus: a bioenergetics approach. Marine Ecology - Progress Series, 2009, 384, 159-174.	0.9	11
98	Reproductive status of Octopus pallidus, and its relationship to age and size. Marine Biology, 2008, 155, 375-385.	0.7	45
99	Quantitative elemental imaging of octopus stylets using PIXE and the nuclear microprobe. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 67-72.	0.6	8
100	Early life-history processes in benthic octopus: Relationships between temperature, feeding, food conversion, and growth in juvenile Octopus pallidus. Journal of Experimental Marine Biology and Ecology, 2008, 354, 81-92.	0.7	14
101	Determining the age and growth of wild octopus using stylet increment analysis. Marine Ecology - Progress Series, 2008, 367, 213-222.	0.9	40
102	Using stylet elemental signatures to determine the population structure of Octopus maorum. Marine Ecology - Progress Series, 2008, 360, 125-133.	0.9	15
103	Stylet elemental signatures indicate population structure in a holobenthic octopus species, Octopus pallidus. Marine Ecology - Progress Series, 2008, 371, 1-10.	0.9	17
104	Spatial distribution of commercial dredge fishing effort: application to survey design and the spatial management of a patchily distributed benthic bivalve species. Marine and Freshwater Research, 2007, 58, 756.	0.7	19
105	Cephalopod hatchling growth: the effects of initial size and seasonal temperatures. Marine Biology, 2007, 151, 1375-1383.	0.7	52
106	Approaches to resolving cephalopod movement and migration patterns. Reviews in Fish Biology and Fisheries, 2007, 17, 401-423.	2.4	106
107	Predation of trap-caught southern rock lobsters, Jasus edwardsii (Hutton, 1875), in Tasmanian waters by the Maori octopus, Octopus maorum (Hutton, 1880): Spatial and temporal trends. Fisheries Research, 2006, 77, 10-16.	0.9	20
108	Assessing the validity of stylets as ageing tools in Octopus pallidus. Journal of Experimental Marine Biology and Ecology, 2006, 338, 35-42.	0.7	53

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109	Automated acoustic tracking of aquatic animals: scales, design and deployment of listening station arrays. Marine and Freshwater Research, 2006, 57, 1.	0.7	483
110	Use of acoustic telemetry for spatial management of southern calamary Sepioteuthis australis, a highly mobile inshore squid species. Marine Ecology - Progress Series, 2006, 328, 1-15.	0.9	40
111	Evaluation of biochemical indices for assessing growth and condition of the deepwater squid Moroteuthis ingens. Marine Ecology - Progress Series, 2005, 289, 215-223.	0.9	2
112	Reproduction in the deepwater squid Moroteuthis ingens, what does it cost?. Marine Biology, 2004, 145, 905-916.	0.7	27
113	Understanding octopus growth: patterns, variability and physiology. Marine and Freshwater Research, 2004, 55, 367.	0.7	117
114	Pulling or drilling, does size or species matter? An experimental study of prey handling in Octopus dierythraeus. Journal of Experimental Marine Biology and Ecology, 2003, 290, 165-178.	0.7	43
115	Changes in the digestive gland of the loliginid squid Sepioteuthis lessoniana (Lesson 1830) associated with feeding. Journal of Experimental Marine Biology and Ecology, 2002, 274, 19-39.	0.7	46
116	Limited use of stored energy reserves for reproduction by the tropical loliginid squid Photololigo sp.. Journal of Zoology, 2000, 251, 307-313.	0.8	52
117	An examination of variable growth in the loliginid squid Sepioteuthis lessoniana:a whole animal and reductionist approach. Marine Ecology - Progress Series, 2000, 193, 135-141.	0.9	21
118	An examination of the role of the digestive gland of two loliginid squids, with respect to lipid: storage or excretion?. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 1685-1690.	1.2	44
119	Effect of Feeding on the Structure of the Digestive Gland of the Tropical Sepioid Idiosepius Pygmaeus. Journal of the Marine Biological Association of the United Kingdom, 1995, 75, 885-897.	0.4	14
120	Trophic Structure and Diet of Predatory Teleost Fishes in a Tropical Demersal Shelf Ecosystem. Frontiers in Marine Science, 0, 9, .	1.2	0