

# Christopher D Marshall

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,932  
citations

218592

26  
h-index

265120

42  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1270  
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphological and Sensory Innovations for an Aquatic Lifestyle. <i>Ethology and Behavioral Ecology of Marine Mammals</i> , 2022, , 19-65.	0.4	5
2	Puncture performance tests reveal distinct feeding modes in pinniped teeth. <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	3
3	Diplomacy for the world's hottest sea. <i>Science</i> , 2022, 376, 1389-1390.	6.0	8
4	Microstructure of the Bonnethead Shark ( <i>Sphyrna tiburo</i> ) Olfactory Rosette. <i>Integrative Organismal Biology</i> , 2022, 4, .	0.9	3
5	Environmental Drivers of Habitat Use by Hawksbill Turtles ( <i>Eretmochelys imbricata</i> ) in the Arabian Gulf (Qatar). <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	8
6	The Dawn of Desmatophocidae: A New Species of Basal Desmatophocid Seal (Mammalia, Carnivora) from the Miocene of Oregon, U.S.A.. <i>Journal of Vertebrate Paleontology</i> , 2020, 40, e1789867.	0.4	4
7	Reproductive and stress-related hormones in whiskers from two North Pacific phocids: Harbor and ringed seals. <i>Marine Mammal Science</i> , 2020, 36, 1322-1333.	0.9	5
8	Beyond Suction-Feeding Fishes: Identifying New Approaches to Performance Integration During Prey Capture in Aquatic Vertebrates. <i>Integrative and Comparative Biology</i> , 2019, 59, 456-472.	0.9	5
9	Innervation patterns of mystacial vibrissae support active touch behaviors in California sea lions ( <i>U. rostratus</i> ). <i>Journal of Experimental Biology</i> , 2019, 232, 1-11.	0.6	5
10	Feeding in Aquatic Mammals: An Evolutionary and Functional Approach. <i>Fascinating Life Sciences</i> , 2019, , 743-785.	0.5	18
11	Does Vibrissal Innervation Patterns and Investment Predict Hydrodynamic Trail Following Behavior of Harbor Seals ( <i>Phoca vitulina</i> )?. <i>Anatomical Record</i> , 2019, 302, 1837-1845.	0.8	11
12	Do sharks exhibit heterodonty by tooth position and over ontogeny? A comparison using elliptic Fourier analysis. <i>Journal of Morphology</i> , 2019, 280, 687-700.	0.6	23
13	Integration of multi-tissue PAH and PCB burdens with biomarker activity in three coastal shark species from the northwestern Gulf of Mexico. <i>Science of the Total Environment</i> , 2019, 650, 1158-1172.	3.9	31
14	Large dugong ( <i>Dugong dugon</i> ) aggregations persist in coastal Qatar. <i>Marine Mammal Science</i> , 2018, 34, 1154-1163.	0.9	17
15	Feeding Morphology. , 2018, , 349-354.		3
16	Tooth Loss Precedes the Origin of Baleen in Whales. <i>Current Biology</i> , 2018, 28, 3992-4000.e2.	1.8	40
17	Nesting ecology of hawksbill turtles, <i>Eretmochelys imbricata</i> , in an extreme environmental setting. <i>PLoS ONE</i> , 2018, 13, e0203257.	1.1	12
18	Durophagous biting in sea otters ( <i>Enhydra lutris</i> ) differs kinematically from raptorial biting of other marine mammals. <i>Journal of Experimental Biology</i> , 2017, 220, 4703-4710.	0.8	8

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19	Alveoli, teeth, and tooth loss: Understanding the homology of internal mandibular structures in mysticete cetaceans. <i>PLoS ONE</i> , 2017, 12, e0178243.	1.1	13
20	Patterns of cetacean vaginal folds yield insights into functionality. <i>PLoS ONE</i> , 2017, 12, e0175037.	1.1	24
21	Morphology of the Bearded Seal ( <i>Erignathus barbatus</i> ) Muscular "Vibrissal Complex: A Functional Model for Phocid Subambient Pressure Generation. <i>Anatomical Record</i> , 2016, 299, 1043-1053.	0.8	7
22	Follicle Microstructure and Innervation Vary between Pinniped Micro- and Macrovibrissae. <i>Brain, Behavior and Evolution</i> , 2016, 88, 43-58.	0.9	51
23	Variation in Female Reproductive Tract Morphology of the Common Bottlenose Dolphin ( <i>Tursiops truncatus</i> ). <i>Anatomical Record</i> , 2016, 299, 520-537.	0.8	18
24	Divergent Skull Morphology Supports Two Trophic Specializations in Otters (Lutrinae). <i>PLoS ONE</i> , 2015, 10, e0143236.	1.1	37
25	Feeding kinematics and performance of basal otariid pinnipeds, Steller sea lions ( <i>Eumetopias</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock I mammalian feeding. <i>Journal of Experimental Biology</i> , 2015, 218, 3229-40.	0.8	30
26	Are Vibrissae Viable Sensory Structures for Prey Capture in Northern Elephant Seals, ( <i>Mirounga angustirostris</i> ). <i>Anatomical Record</i> , 2015, 298, 750-760.	0.8	28
27	Comparative Analysis of the Flexural Stiffness of Pinniped Vibrissae. <i>PLoS ONE</i> , 2015, 10, e0127941.	1.1	18
28	Feeding Kinematics, Suction, and Hydraulic Jetting Performance of Harbor Seals ( <i>Phoca vitulina</i> ). <i>PLoS ONE</i> , 2014, 9, e86710.	1.1	50
29	Innervation patterns of sea otter ( <i>Enhydra lutris</i> ) mystacial follicle-sinus complexes. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 121.	0.9	61
30	Scaling of bite performance with head and carapace morphometrics in green turtles ( <i>Chelonia mydas</i> ). <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 451, 91-97.	0.7	17
31	Regeneration of posterior segments and terminal structures in the bearded fireworm, ( <i>Hermodice carunculata</i> ) (Annelida: Amphinomidae). <i>Journal of Morphology</i> , 2014, 275, 1103-1112.	0.6	6
32	Eastern oysters <i>Crassostrea virginica</i> deter crab predators by altering their morphology in response to crab cues. <i>Aquatic Biology</i> , 2014, 20, 111-118.	0.5	45
33	Hydrodynamic perception in true seals (Phocidae) and eared seals (Otariidae). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2013, 199, 421-440.	0.7	42
34	Short Note: Air Release from the Left Orbit of an Indo-Pacific Bottlenose Dolphin ( <i>Tursiops aduncus</i> ): Symptomatic and Anatomical Aspects. <i>Aquatic Mammals</i> , 2013, 39, 97-100.	0.4	2
35	Electroreception in the Guiana dolphin ( <i>Sotalia guianensis</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 663-668.	1.2	104
36	The ontogenetic scaling of bite force and head size in loggerhead sea turtles ( <i>Caretta caretta</i> ): implications for durophagy in neritic, benthic habitats. <i>Journal of Experimental Biology</i> , 2012, 215, 4166-74.	0.8	41

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37	Short Note: Low Prevalence of Visual Impairment in a Coastal Population of Gray Seals ( <i>Halichoerus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 382	0.4	74
38	Fused Traditional and Geometric Morphometrics Demonstrate Pinniped Whisker Diversity. PLoS ONE, 2012, 7, e34481.	1.1	69
39	Behavioral responses of minke whales ( <i>Balaenoptera acutorostrata</i> ) to experimental fishing gear in a coastal environment. Journal of Experimental Marine Biology and Ecology, 2012, 413, 13-20.	0.7	10
40	Vulnerability of Sirenians. , 2012, , 12-20.		7
41	Prenatal data impacts common bottlenose dolphin ( <i>Tursiops truncatus</i> ) growth parameters estimated by length-at-age curves. Marine Mammal Science, 2011, 27, 195-216.	0.9	14
42	Comparative feeding kinematics and performance of odontocetes: belugas, Pacific white-sided dolphins and long-finned pilot whales. Journal of Experimental Biology, 2009, 212, 3939-3950.	0.8	53
43	Morphological analysis of the bumpy profile of phocid vibrissae. Marine Mammal Science, 2009, 26, 733.	0.9	17
44	Feeding Morphology. , 2009, , 406-414.		10
45	Feeding biomechanics of juvenile red snapper ( <i>Lutjanus campechanus</i> ) from the northwestern Gulf of Mexico. Journal of Experimental Biology, 2008, 211, 3826-3835.	0.8	16
46	Feeding kinematics, suction and hydraulic jetting capabilities in bearded seals ( <i>Erignathus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	0.8	74
47	Topographical Organization of the Facial Motor Nucleus in Florida Manatees ( <i>Trichechus manatus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 382	0.9	74
48	A functional comparison of the hyolingual complex in pygmy and dwarf sperm whales ( <i>Kogia</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307	0.9	34
49	Microstructure and innervation of the mystacial vibrissal follicle-sinus complex in bearded seals, <i>Erignathus barbatus</i> (Pinnipedia: Phocidae). The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 13-25.	2.0	77
50	Somatotopic Organization of Perioral Musculature Innervation within the Pig Facial Motor Nucleus. Brain, Behavior and Evolution, 2005, 66, 22-34.	0.9	17
51	Feeding kinematics of <i>Kogia</i> and <i>Tursiops</i> (Odontoceti:Cetacea): characterization of suction and ram feeding. Journal of Experimental Biology, 2005, 208, 3721-3730.	0.8	81
52	Biomechanics of the rostrum and the role of facial sutures. Journal of Morphology, 2003, 257, 33-44.	0.6	101
53	Orofacial morphology and feeding behaviour of the dugong, Amazonian, West African and Antillean manatees (Mammalia: Sirenia): functional morphology of the muscular-vibrissal complex. Journal of Zoology, 2003, 259, 245-260.	0.8	58
54	Tactile Hairs on the Postcranial Body in Florida Manatees: A Mammalian Lateral Line?. Brain, Behavior and Evolution, 2002, 59, 141-154.	0.9	62

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55	Jaw muscles and the skull in mammals: the biomechanics of mastication. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2001, 131, 207-219.	0.8	132
56	Microanatomy of Facial Vibrissae in the Florida Manatee: The Basis for Specialized Sensory Function and Oripulation. <i>Brain, Behavior and Evolution</i> , 2001, 58, 1-14.	0.9	71
57	FOOD-HANDLING ABILITY AND FEEDING-CYCLE LENGTH OF MANATEES FEEDING ON SEVERAL SPECIES OF AQUATIC PLANTS. <i>Journal of Mammalogy</i> , 2000, 81, 649-658.	0.6	29
58	DISTRIBUTION AND INNERVATION OF FACIAL BRISTLES AND HAIRS IN THE FLORIDA MANATEE (TRICHECHUS) Tj ET Og 0 0 0 rg BT /Overlo	0.9	68
59	PREHENSILE USE OF PERIORAL BRISTLES DURING FEEDING AND ASSOCIATED BEHAVIORS OF THE FLORIDA MANATEE (TRICHECHUS MANATUS LATIROSTRIS). <i>Marine Mammal Science</i> , 1998, 14, 274-289.	0.9	73
60	THE MUSCULAR HYDROSTAT OF THE FLORIDA MANATEE (TRICHECHUS MANATUS LATIROSTRIS): A FUNCTIONAL MORPHOLOGICAL MODEL OF PERIORAL BRISTLE USE. <i>Marine Mammal Science</i> , 1998, 14, 290-303.	0.9	45