

# R Ewan Fordyce

## List of Publications by Year in descending order

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108  
papers

4,167  
citations

136950

32  
h-index

128289

60  
g-index

115  
all docs

115  
docs citations

115  
times ranked

2624  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new early Miocene archaic dolphin (Odontoceti, Cetacea) from New Zealand, and brain evolution of the Odontoceti. <i>New Zealand Journal of Geology, and Geophysics</i> , 2023, 66, 59-73.	1.8	3
2	On the Unnecessary and Misleading Taxon ‘Cetartiodactyla’. <i>Journal of Mammalian Evolution</i> , 2022, 29, 93-97.	1.8	9
3	A redescription and re-evaluation of <i>Kekenodon onamata</i> (Mammalia: Cetacea), a late-surviving archaeocete from the Late Oligocene of New Zealand. <i>Zoological Journal of the Linnean Society</i> , 2022, 196, 1637-1670.	2.3	7
4	CT-scan description of <i>Alexandronectes zealandiensis</i> (Elasmosauridae, Aristonectinae), with comments on the elasmosaurid internal cranial features. <i>Journal of Vertebrate Paleontology</i> , 2021, 41, .	1.0	0
5	Enamel Microstructure in Cetacea: a Case Study in Evolutionary Loss of Complexity. <i>Journal of Mammalian Evolution</i> , 2020, 27, 789-805.	1.8	11
6	Widening our horizons. <i>Journal of the Royal Society of New Zealand</i> , 2019, 49, 71-78.	1.9	0
7	Gigantic mysticete predators roamed the Eocene Southern Ocean. <i>Antarctic Science</i> , 2019, 31, 98-104.	0.9	6
8	Anatomy and phylogeny of the large shark-toothed dolphin <i>Phoberodon arctirostris</i> Cabrera, 1926 (Cetacea: Odontoceti) from the early Miocene of Patagonia (Argentina). <i>Zoological Journal of the Linnean Society</i> , 2019, 185, 511-542.	2.3	19
9	The first pre-Pleistocene cetacean from Madagascar, western Indian Ocean. <i>Journal of African Earth Sciences</i> , 2019, 151, 184-188.	2.0	3
10	Cetacean Evolution. , 2018, , 180-185.		17
11	Historical Biogeography of Delphininae Dolphins and Related Taxa (Artiodactyla: Delphinidae). <i>Journal of Mammalian Evolution</i> , 2018, 25, 241-259.	1.8	13
12	A palaeobiogeographical synthesis of Australasian Mesozoic marine tetrapods. <i>Alcheringa</i> , 2018, 42, 461-486.	1.2	20
13	A new archaic baleen whale <i>Toipahautea waitaki</i> (early Late Oligocene, New Zealand) and the origins of crown Mysticeti. <i>Royal Society Open Science</i> , 2018, 5, 172453.	2.4	17
14	Royal Society Te Apārangi and the pursuit of research excellence. <i>Journal of the Royal Society of New Zealand</i> , 2018, 48, 63-63.	1.9	10
15	<i>Rautangaroa</i> , a new genus of feather star (Echinodermata, Crinoidea) from the Oligocene of New Zealand. <i>Journal of Paleontology</i> , 2018, 92, 872-882.	0.8	4
16	Gigantism Precedes Filter Feeding in Baleen Whale Evolution. <i>Current Biology</i> , 2018, 28, 1670-1676.e2.	3.9	69
17	Anatomy of the Dolphins-Insights into Body Structure and Function. <i>Anatomy of the Dolphins-Insights into Body Structure and Function</i> . Bruno Cozzi, Stefan Huggenberger & Helmut Oelschläger. Elsevier Academic Press, 438 pp, ISBN 978-0-12-407229-9.. <i>Ameghiniana</i> , 2018, 55, 230-231.	0.7	1
18	A new eomysticetid from the Oligocene Kokoamu Greensand of New Zealand and a review of the Eomysticetidae (Mammalia, Cetacea). <i>Journal of Systematic Palaeontology</i> , 2017, 15, 429-469.	1.5	42

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19	The 150-year voyage of the Journal of the Royal Society of New Zealand. <i>Journal of the Royal Society of New Zealand</i> , 2017, 47, 219-220.	1.9	1
20	<i>Awamokoa tokarahi</i> , a new basal dolphin in the Platanistoidea (late Oligocene, New Zealand). <i>Journal of Systematic Palaeontology</i> , 2017, 15, 365-386.	1.5	28
21	A fossil sea turtle (Testudines: Pan-Cheloniidae) from the upper Oligocene Pomahaka Formation, New Zealand. <i>Alcheringa</i> , 2017, 41, 134-140.	1.2	2
22	Observations of a New Zealand dolphin ( <i>Cephalorhynchus hectori</i> ) breathing <i>via</i> its mouth. <i>Marine Mammal Science</i> , 2017, 33, 350-355.	1.8	4
23	<i>Matapanui</i> , a replacement name for <i>Matapa</i> Boessenecker & Fordyce, 2016. <i>Journal of Systematic Palaeontology</i> , 2017, 15, 471-471.	1.5	1
24	A new tropical Oligocene dolphin from Montañita/Olón, Santa Elena, Ecuador. <i>PLoS ONE</i> , 2017, 12, e0188380.	2.5	20
25	Extensively remodeled, fractured cetacean tympanic bullae show that whales can survive traumatic injury to the ears. <i>Journal of Anatomy</i> , 2016, 228, 125-136.	1.5	7
26	<i>Alexandronectes zealandiensis</i> gen. et sp. nov., a new aristonectine plesiosaur from the lower Maastrichtian of New Zealand. <i>Journal of Vertebrate Paleontology</i> , 2016, 36, e1054494.	1.0	27
27	A Link No Longer Missing: New Evidence for the Cetotheriid Affinities of <i>Caperea</i> . <i>PLoS ONE</i> , 2016, 11, e0164059.	2.5	20
28	Mysticetes baring their teeth: a new fossil whale, <i>Mammalodon hakataramea</i> , from the Southwest Pacific. <i>Memoirs of Museum Victoria</i> , 2016, 74, 107-116.	0.6	16
29	An update of monocot macrofossil data from New Zealand and Australia. <i>Botanical Journal of the Linnean Society</i> , 2015, 178, 394-420.	1.6	21
30	A new genus and species of eomysticetid (Cetacea: Mysticeti) and a reinterpretation of <i>Mauicetus lophocephalus</i> ...Marples, 1956: Transitional baleen whales from the upper Oligocene of New Zealand. <i>Zoological Journal of the Linnean Society</i> , 2015, 175, 607-660.	2.3	56
31	Anatomy, feeding ecology, and ontogeny of a transitional baleen whale: a new genus and species of Eomysticetidae (Mammalia: Cetacea) from the Oligocene of New Zealand. <i>PeerJ</i> , 2015, 3, e1129.	2.0	65
32	Enamel Ultrastructure in Fossil Cetaceans (Cetacea: Archaeoceti and Odontoceti). <i>PLoS ONE</i> , 2015, 10, e0116557.	2.5	26
33	A new Early Oligocene toothed <i>“baleen”</i> whale (Mysticeti: Aetiocetidae) from western North America: one of the oldest and the smallest. <i>Royal Society Open Science</i> , 2015, 2, 150476.	2.4	53
34	Ancestor-descendant relationships in evolution: origin of the extant pygmy right whale, <i>Caperea marginata</i> . <i>Biology Letters</i> , 2015, 11, 20140875.	2.3	16
35	Baleen boom and bust: a synthesis of mysticete phylogeny, diversity and disparity. <i>Royal Society Open Science</i> , 2015, 2, 140434.	2.4	176
36	The Earliest Gulp-Feeding Mysticete (Cetacea: Mysticeti) from the Oligocene of New Zealand. <i>Journal of Mammalian Evolution</i> , 2015, 22, 535-560.	1.8	43

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37	Anatomy of nasal complex in the southern right whale, <i>ubalaena australis</i> (Cetacea, Mysticeti). <i>Journal of Anatomy</i> , 2015, 226, 81-92.	1.5	17
38	Trace fossil evidence of predation upon bone-eating worms on a baleen whale skeleton from the Oligocene of New Zealand. <i>Lethaia</i> , 2015, 48, 326-331.	1.4	17
39	A Late Triassic chimaeroid egg capsule from New Zealand: early evidence of chimaeroid reproductive mode from the eastern margin of Gondwana. <i>Journal of Systematic Palaeontology</i> , 2015, 13, 371-375.	1.5	2
40	A new Eomysticetid (Mammalia: Cetacea) from the Late Oligocene of New Zealand and a reevaluation of <i>Mauicetus waitakiensis</i> . <i>Papers in Palaeontology</i> , 2015, 1, 107-140.	1.5	24
41	The Cerebral Cortex of the Pygmy Hippopotamus, <i>Hexaprotodon liberiensis</i> (Cetartiodactyla). <i>Tj ETQq1 1 0.784314 rgBT /Over</i> 670-700.	1.4	40
42	Ancient marine isoscapes and isotopic evidence of bulk-feeding by Oligocene cetaceans. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 400, 28-40.	2.3	54
43	Evolutionary drivers for flightless, wing-propelled divers in the Northern and Southern Hemispheres. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 400, 50-61.	2.3	23
44	Disparate Heterochronic Processes in Baleen Whale Evolution. <i>Evolutionary Biology</i> , 2014, 41, 299-307.	1.1	40
45	Elemental and chemical characterization of dolphin enamel and dentine using X-ray and Raman microanalyses (Cetacea: Delphinoidea and Inioidea). <i>Journal of Structural Biology</i> , 2014, 185, 58-68.	2.8	20
46	<i>Papahu taitapu</i> , gen. et sp. nov., an early Miocene stem odontocete (Cetacea) from New Zealand. <i>Journal of Vertebrate Paleontology</i> , 2014, 34, 195-210.	1.0	37
47	An Early Triassic basal actinopterygian fish (Osteichthyes) from D'Urville Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2014, 57, 351-354.	1.8	0
48	A possible Late Oligocene–Early Miocene rocky shoreline on Otago Schist. <i>New Zealand Journal of Geology, and Geophysics</i> , 2014, 57, 185-194.	1.8	10
49	Quaternary Fossil Gray Whales from Taiwan. <i>Paleontological Research</i> , 2014, 18, 82-93.	1.0	17
50	Juvenile morphology in baleen whale phylogeny. <i>Die Naturwissenschaften</i> , 2014, 101, 765-769.	1.6	43
51	Fossil Dolphin <i>Otekaia marplei</i> (Latest Oligocene, New Zealand) Expands the Morphological and Taxonomic Diversity of Oligocene Cetaceans. <i>PLoS ONE</i> , 2014, 9, e107972.	2.5	46
52	Dental erosion in South Atlantic dolphins (Cetacea: Delphinidae): A macro and microscopic approach. <i>Marine Mammal Science</i> , 2013, 29, 338-347.	1.8	12
53	Evidence for a krill-rich diet from non-destructive analyses of penguin bone. <i>Journal of Avian Biology</i> , 2013, 44, 203-207.	1.2	2
54	Juvenile morphology: A clue to the origins of the most mysterious of mysticetes?. <i>Die Naturwissenschaften</i> , 2013, 100, 257-261.	1.6	14

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55	The pygmy right whale <i>Caperea marginata</i> : the last of the cetotheres. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122645.	2.6	63
56	Ultrastructure of enamel and dentine in extant dolphins (Cetacea: Delphinoidea and Inioidea). Zoomorphology, 2013, 132, 215-225.	0.8	33
57	Mechanical properties of dental tissues in dolphins (Cetacea: Delphinoidea and Inioidea). Archives of Oral Biology, 2013, 58, 773-779.	1.8	28
58	The Strangest Bird. Scientific American, 2012, 307, 56-61.	1.0	5
59	A new billfish (Perciformes, Xiphioidae) from the late Oligocene of New Zealand. Journal of Vertebrate Paleontology, 2012, 32, 27-34.	1.0	10
60	New fossil penguins (Aves, Sphenisciformes) from the Oligocene of New Zealand reveal the skeletal plan of stem penguins. Journal of Vertebrate Paleontology, 2012, 32, 235-254.	1.0	70
61	Antarctic glaciation recorded in Early Miocene New Zealand foraminifera. Marine Micropaleontology, 2012, 92-93, 52-60.	1.2	2
62	Biological Plasticity in Penguin Heat Retention Structures. Anatomical Record, 2012, 295, 249-256.	1.4	17
63	Kaiika maxwelli, a new Early Eocene archaic penguin (Sphenisciformes, Aves) from Waihao Valley, South Canterbury, New Zealand. New Zealand Journal of Geology, and Geophysics, 2011, 54, 43-51.	1.8	22
64	Raman spectroscopy of fossil bioapatite – A proxy for diagenetic alteration of the oxygen isotope composition. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 310, 62-70.	2.3	69
65	Penguin heat-retention structures evolved in a greenhouse Earth. Biology Letters, 2011, 7, 461-464.	2.3	22
66	Neoceti. , 2009, , 758-763.		4
67	Cetacean Evolution. , 2009, , 201-207.		16
68	Cetacean Fossil Record. , 2009, , 207-215.		15
69	Fossil Sites, Noted. , 2009, , 459-466.		4
70	Radiation of Extant Cetaceans Driven by Restructuring of the Oceans. Systematic Biology, 2009, 58, 573-585.	5.6	315
71	The therian skull : a lexicon with emphasis on the odontocetes. Smithsonian Contributions To Zoology, 2009, , 1-249.	1.5	263
72	A claim in search of evidence: reply to Manger's thermogenesis hypothesis of cetacean brain structure. Biological Reviews, 2008, 83, 417-440.	10.4	55

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73	Odontoceti. , 2008, , 566-606.		7
74	The heterothermic loophole exploited by penguins. Australian Journal of Zoology, 2007, 55, 317.	1.0	14
75	Cetaceans Have Complex Brains for Complex Cognition. PLoS Biology, 2007, 5, e139.	5.6	239
76	A rapid, non-destructive method of detecting diagenetic alteration in fossil bone using Raman spectroscopy. Journal of Raman Spectroscopy, 2007, 38, 1533-1537.	2.5	56
77	Early Penguin Fossils, Plus Mitochondrial Genomes, Calibrate Avian Evolution. Molecular Biology and Evolution, 2006, 23, 1144-1155.	8.9	224
78	Megalampris keyesi, a giant moonfish (Teleostei, Lampridiformes) from the Late Oligocene of New Zealand. Journal of Vertebrate Paleontology, 2006, 26, 544-551.	1.0	12
79	Mitochondrial Phylogenetics and Evolution of Mysticete Whales. Systematic Biology, 2005, 54, 77-90.	5.6	143
80	A presumed stereospondyl (Amphibia, Stereospondyli) from the marine Triassic of Titiroa Stream, Matura valley, Southland, New Zealand. Journal of the Royal Society of New Zealand, 2003, 33, 301-306.	1.9	3
81	Australodelphis mirus, a bizarre new toothless ziphiid-like fossil dolphin (Cetacea: Delphinidae) from the Pliocene of Vestfold Hills, East Antarctica. Antarctic Science, 2002, 14, 37-54.	0.9	47
82	A New Marine Reptile (Sauropterygia) from New Zealand: Further Evidence for A Late Cretaceous Austral Radiation of Cryptoclidid Plesiosaurs. Palaeontology, 2002, 45, 557-575.	2.2	97
83	Retroposon analysis of major cetacean lineages: The monophyly of toothed whales and the paraphyly of river dolphins. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 7384-7389.	7.1	239
84	An associated specimen of Carcharodon angustidens (Chondrichthyes, Lamnidae) from the Late Oligocene of New Zealand, with comments on Carcharodon interrelationships. Journal of Vertebrate Paleontology, 2001, 21, 730-739.	1.0	33
85	An archaeocete whale (Cetacea: Archaeoceti) from the Eocene Waihao Greensand, New Zealand. Journal of Vertebrate Paleontology, 1997, 17, 574-583.	1.0	34
86	A new cancrinid crab from New Zealand. New Zealand Journal of Geology, and Geophysics, 1996, 39, 509-513.	1.8	9
87	The Kentriodontidae and the Origin of the Delphinoids. The Paleontological Society Special Publications, 1996, 8, 99-99.	0.0	0
88	Oligocene Whales and Dolphins from the Southwest Pacific. The Paleontological Society Special Publications, 1996, 8, 125-125.	0.0	0
89	Archaic Baleen Whales from the Oligocene-Earliest Miocene of the Southwest Pacific. The Paleontological Society Special Publications, 1996, 8, 188-188.	0.0	0
90	General aspects of the evolutionary history of whales and dolphins. Island Arc, 1994, 3, 373-391.	1.1	19

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91	A review of kentriodontine dolphins (Cetacea; Deiphinoidea; Kentriodontidae): Systematics and biogeography. <i>Island Arc</i> , 1994, 3, 486-492.	1.1	29
92	The Evolutionary History of Whales and Dolphins. <i>Annual Review of Earth and Planetary Sciences</i> , 1994, 22, 419-455.	11.0	175
93	Paleocene isocrinids (Echinodermata: Crinoidea) from the Kauru Formation, South Island, New Zealand. <i>Journal of Paleontology</i> , 1994, 68, 135-141.	0.8	12
94	Waipatia maerewhenua, new genus and new species (Waipatiidae, new family), an archaic Late Oligocene dolphin (Cetacea: Odontoceti: Platanistoidea) from New Zealand. <i>Proceedings of the San Diego Society of Natural History</i> , 1994, 29, 147-176.	0.0	114
95	Penguin History and New Fossil Material from New Zealand. , 1990, , 419-446.		35
96	Origins and evolution of Antarctic marine mammals. <i>Geological Society Special Publication</i> , 1989, 47, 269-281.	1.3	42
97	Problematic Early Oligocene toothed whale (Cetacea, ?Mysticeti) from Waikari, North Canterbury, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1989, 32, 395-400.	1.8	12
98	A monogenetic, Surtla-type, Surtseyan volcano from the Eocene-Oligocene Waiareka-Deborah volcanics, Otago, New Zealand: A model. <i>Bulletin of Volcanology</i> , 1989, 51, 281-298.	3.0	70
99	Dolphin mandible (Delphinidae) from the Waipipian Stage (Pliocene), Waihi Beach, Taranaki, New Zealand (Note). <i>New Zealand Journal of Geology, and Geophysics</i> , 1987, 30, 321-323.	1.8	3
100	Late Eocene archaeocete whale (Archaeoceti: Dorudontinae) from Waihao, South Canterbury, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1985, 28, 351-357.	1.8	8
101	Rhabdosteid dolphins (Mammalia: Cetacea) from the Middle Miocene, Lake Frome area, South Australia. <i>Alcheringa</i> , 1983, 7, 27-40.	1.2	35
102	Dental anomaly in a fossil squalodont dolphin from New Zealand, and the evolution of polydonta in whales. <i>New Zealand Journal of Zoology</i> , 1982, 9, 419-426.	1.1	29
103	Redescription of Early Miocene dolphin <i>Phocaenopsis mantelli</i> Huxley, 1859 (Odontoceti incertae sedis). <i>New Zealand Journal of Geology, and Geophysics</i> , 1981, 24, 563-568.	1.8	5
104	Trace fossils from Ohika Formation (Pororari Group, Lower Cretaceous), lower Buller Gorge, Buller, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1980, 23, 121-124.	1.8	9
105	Whale evolution and Oligocene southern ocean environments. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1980, 31, 319-336.	2.3	98
106	Records of two Paleogene turtles and notes on other Tertiary reptilian remains from New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1979, 22, 737-741.	1.8	8
107	The development of the circum-antarctic current and the evolution of the Mysticeti (mammalia): Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 5	2.3	35
108	Hearing from the ocean and into the river: the evolution of the inner ear of Platanistoidea (Cetacea): Tj ETQq0 0 0 rgBT / Overlock 10 Tf 5	2.0	5