

Mark D Uhen

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

2,914
citations

201575

27
h-index

189801

50
g-index

96
all docs

96
docs citations

96
times ranked

2433
citing authors

#	ARTICLE	IF	CITATIONS
1	The Evolution of Maximum Body Size of Terrestrial Mammals. <i>Science</i> , 2010, 330, 1216-1219.	6.0	252
2	Cetaceans Have Complex Brains for Complex Cognition. <i>PLoS Biology</i> , 2007, 5, e139.	2.6	239
3	Climate, Critters, and Cetaceans: Cenozoic Drivers of the Evolution of Modern Whales. <i>Science</i> , 2010, 327, 993-996.	6.0	178
4	Evolution of marine mammals: Back to the sea after 300 million years. <i>Anatomical Record</i> , 2007, 290, 514-522.	0.8	168
5	The Origin(s) of Whales. <i>Annual Review of Earth and Planetary Sciences</i> , 2010, 38, 189-219.	4.6	149
6	Origin and evolution of large brains in toothed whales. <i>The Anatomical Record</i> , 2004, 281A, 1247-1255.	2.3	145
7	The maximum rate of mammal evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4187-4190.	3.3	107
8	The Pliocene marine megafauna extinction and its impact on functional diversity. <i>Nature Ecology and Evolution</i> , 2017, 1, 1100-1106.	3.4	102
9	Morphological support for a close relationship between hippos and whales. <i>Journal of Vertebrate Paleontology</i> , 2003, 23, 991-996.	0.4	100
10	Phylogenetic Relationships of Extinct Cetartiodactyls: Results of Simultaneous Analyses of Molecular, Morphological, and Stratigraphic Data. <i>Journal of Mammalian Evolution</i> , 2005, 12, 145-160.	1.0	75
11	New species of protocetid archaeocete whale, <i>Eocetus wardii</i> (Mammalia: Cetacea) from the middle Eocene of North Carolina. <i>Journal of Paleontology</i> , 1999, 73, 512-528.	0.5	71
12	New protocetid whales from Alabama and Mississippi, and a new Cetacean clade, Pelagiceti. <i>Journal of Vertebrate Paleontology</i> , 2008, 28, 589-593.	0.4	71
13	The time of origin of whales and the role of behavioral changes in the terrestrial-aquatic transition. <i>Paleobiology</i> , 1999, 25, 534-556.	1.3	62
14	NEW GENUS OF DORUDONTINE ARCHAEOCETE (CETACEA) FROM THE MIDDLE-TO-LATE EOCENE OF SOUTH CAROLINA. <i>Marine Mammal Science</i> , 2001, 17, 1-34.	0.9	57
15	A claim in search of evidence: reply to Manger's thermogenesis hypothesis of cetacean brain structure. <i>Biological Reviews</i> , 2008, 83, 417-440.	4.7	55
16	Middle to Late Eocene Basilosaurines and Dorudontines. , 1998, , 29-61.		53
17	Cladistic Analysis and Anthropoid Origins. <i>Science</i> , 1997, 278, 2134-2136.	6.0	51
18	A new xenorophus-like odontocete cetacean from the oligocene of North Carolina and a discussion of the basal odontocete radiation. <i>Journal of Systematic Palaeontology</i> , 2008, 6, 433-452.	0.6	51

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19	Opinion: Why we need a centralized repository for isotopic data. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2997-3001.	3.3	50
20	Patterns of maximum body size evolution in Cenozoic land mammals: eco-evolutionary processes and abiotic forcing. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132049.	1.2	48
21	Diversity dynamics of Phanerozoic terrestrial tetrapods at the local-community scale. Nature Ecology and Evolution, 2019, 3, 590-597.	3.4	48
22	Reconstructing cetacean brain evolution using computed tomography. The Anatomical Record, 2003, 272B, 107-117.	2.3	43
23	New Middle Eocene Whales from the Pisco Basin of Peru. Journal of Paleontology, 2011, 85, 955-969.	0.5	42
24	From card catalogs to computers: databases in vertebrate paleontology. Journal of Vertebrate Paleontology, 2013, 33, 13-28.	0.4	41
25	Title is missing!. Journal of Mammalian Evolution, 2000, 7, 81-94.	1.0	40
26	Tooth Loss Precedes the Origin of Baleen in Whales. Current Biology, 2018, 28, 3992-4000.e2.	1.8	40
27	Time of origin of primates. Journal of Human Evolution, 1994, 27, 443-445.	1.3	39
28	The apparent exponential radiation of Phanerozoic land vertebrates is an artefact of spatial sampling biases. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200372.	1.2	38
29	paleobioDB: an R package for downloading, visualizing and processing data from the Paleobiology Database. Ecography, 2015, 38, 419-425.	2.1	28
30	REPLACEMENT OF DECIDUOUS FIRST PREMOLARS AND DENTAL ERUPTION IN ARCHAEOCETE WHALES. Journal of Mammalogy, 2000, 81, 123-133.	0.6	26
31	Effects of allometry, productivity and lifestyle on rates and limits of body size evolution. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131007.	1.2	26
32	New protocetid (Mammalia, Cetacea) from the late middle Eocene Cook Mountain Formation of Louisiana. Journal of Vertebrate Paleontology, 1998, 18, 664-668.	0.4	25
33	New material of <i>Natchitochia jonesi</i> and a comparison of the innominate and locomotor capabilities of Protocetidae. Marine Mammal Science, 2014, 30, 1029-1066.	0.9	22
34	A new basal chaeomysticete (Mammalia: Cetacea) from the Late Oligocene Pysht Formation of Washington, USA. Papers in Palaeontology, 2016, 2, 533-554.	0.7	22
35	A new kentriodontid (Cetacea: Odontoceti) from the early Miocene Astoria Formation and a revision of the stem delphinidan family Kentriodontidae. Journal of Vertebrate Paleontology, 2018, 38, e1411357.	0.4	21
36	An evaluation of clade-shape statistics using simulations and extinct families of mammals. Paleobiology, 1996, 22, 8-22.	1.3	18

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37	Marine mammals from the Miocene of Panama. <i>Journal of South American Earth Sciences</i> , 2010, 30, 167-175.	0.6	17
38	A new specimen of <i>Agorophius pygmaeus</i> (Agorophiidae, Odontoceti, Cetacea) from the early Oligocene Ashley Formation of South Carolina, USA. <i>Journal of Paleontology</i> , 2016, 90, 154-169.	0.5	16
39	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
40	Exploration of marine mammal paleogeography in the Northern Hemisphere over the Cenozoic using beta diversity. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 449, 227-235.	1.0	12
41	Taxonomic implications of morphometric analysis of earless seal limb bones. <i>Acta Palaeontologica Polonica</i> , 0, 64, .	0.4	12
42	Tidal Reorientation and Transport of Recent Bivalves on a Temperate Tidal Flat, Northwestern U.S.. <i>Palaios</i> , 1993, 8, 244.	0.6	10
43	First record of the archaeocete whale family Protocetidae from Europe. <i>Fossil Record</i> , 2008, 11, 57-60.	0.4	9
44	Dental Morphology, Evolution of. , 2009, , 302-307.		9
45	New specimens of Protocetidae (Mammalia, Cetacea) from New Jersey and South Carolina. <i>Journal of Vertebrate Paleontology</i> , 2014, 34, 211-219.	0.4	9
46	On the Unnecessary and Misleading Taxon "Cetartiodactyla". <i>Journal of Mammalian Evolution</i> , 2022, 29, 93-97.	1.0	9
47	New discoveries of vertebrates from a near-shore marine fauna from the Early Miocene of northwestern Venezuela. <i>Palaontologische Zeitschrift</i> , 2001, 75, 227-232.	0.8	8
48	Odontoceti. , 2008, , 566-606.		7
49	Basilosaurids and Kekenodontids. , 2018, , 78-80.		7
50	Replacement of Deciduous First Premolars and Dental Eruption in Archaeocete Whales. <i>Journal of Mammalogy</i> , 2000, 81, 123-133.	0.6	7
51	Dental Morphology. , 2018, , 246-250.		6
52	A cranial correlate of body mass in proboscideans. <i>Zoological Journal of the Linnean Society</i> , 2018, 184, 919-931.	1.0	5
53	Desmostylia. , 2008, , 639-644.		4
54	A new platanistoid, <i>Perditicetus yaconensis</i> gen. et sp. nov. (Cetacea, Odontoceti), from the Chattian "Aquitanian Nye Formation of Oregon. <i>Journal of Systematic Palaeontology</i> , 2020, 18, 1497-1517.	0.6	4

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55	Mysticeti. , 2008, , 607-628.		3
56	First occurrence of a squalodelphinid (Cetacea, Odontoceti) from the early Miocene of Washington State. Journal of Vertebrate Paleontology, 2018, 38, e1428197.	0.4	3
57	Living fast and dying young: life history and ecology of a Neogene sperm whale. Journal of Vertebrate Paleontology, 2018, 38, e1439038.	0.4	3
58	The Paleontological Legacy of Eckert and Mauchly - Numerical Palaeobiology: Computer-Based Modelling and Analysis of Fossils and Their Distributions. David A. T. Harper, editor. John Wiley and Sons, Chichester, England. 1999. 468 pages. Cloth \$99.00.. Paleobiology, 2000, 26, 310-315.	1.3	2
59	Response to Comment on "Climate, Critters, and Cetaceans: Cenozoic Drivers of the Evolution of Modern Whales". Science, 2010, 330, 178-178.	6.0	2
60	The evolution of respiratory systems in Theropoda and Paracrocodylomorpha, the end-Triassic extinction, and the role of Late Triassic atmospheric O ₂ and CO ₂ . Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 545, 109638.	1.0	2
61	A basilosaurid archaeocete (Cetacea, Pelagiceti) from the Late Eocene of Oregon, USA. PeerJ, 2020, 8, e9809.	0.9	2
62	Composition and Characteristics of the Subfamily Dorudontinae (Archaeoceti, Cetacea). The Paleontological Society Special Publications, 1996, 8, 403-403.	0.0	1
63	Archaeoceti. , 0, , 557-565.		1
64	Marine mammals summary. , 2008, , 507-522.		1
65	Basilosaurids. , 2009, , 91-94.		1
66	Case 3611 <i>Basilosaurus kochii</i> Reichenbach, 1847 (currently <i>Zygorhiza kochii</i> ; Mammalia.) Tj ETQq0 0 0 rgBT /Overlock 10 T 2013, 70, 103-107.	0.2	1
67	EarthLife Consortium: Supporting digital paleobiology. Past Global Change Magazine, 2018, 26, 78-79.	0.4	1
68	USING GEOSCIENCE DATABASES TO PROVIDE AUTHENTIC RESEARCH OPPORTUNITIES FOR UNDERGRADUATES. , 2016, , .		1
69	Building creative thinking into the STEM undergraduate classroom experience using large databases: The Paleobiology Database example. Innovations in Teaching & Learning Conference Proceedings, 0, 8, 2.	0.0	1
70	STUDENT PERCEPTIONS OF USING THE PALEOBIOLOGY DATABASE (PBDB) TO CONDUCT UNDERGRADUATE RESEARCH. , 2017, , .		1
71	Leveraging a Large Database to Increase Access to Undergraduate Research Experiences. Council on Undergraduate Research Quarterly, 2019, 2, 4-13.	0.0	1
72	Biogeographic, stratigraphic, and environmental distribution of Basilosaurus (Mammalia, Cetacea) in North America with a review of the late Eocene shoreline in the southeastern coastal plain. Journal of Paleontology, 0, , 1-13.	0.5	1

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73	Biostratigraphy of Recent intertidal bivalves at False Bay, San Juan Island, Washington, U.S.A.. The Paleontological Society Special Publications, 1992, 6, 83-83.	0.0	0
74	Likelihood Estimation of the Time of Origin of Whales (Cetacea). The Paleontological Society Special Publications, 1996, 8, 146-146.	0.0	0
75	Agabelus porcatus (Cetacea, Odontoceti) is a stingray spine. Journal of Vertebrate Paleontology, 2008, 28, 251-252.	0.4	0
76	Temporal and Paleoenvironmental Distribution of <i>Basilosaurus</i> (Mammalia: Cetacea) in the Southeastern United States: New Evidence from the Eocene of Southwest Georgia. The Paleontological Society Special Publications, 2014, 13, 165-166.	0.0	0
77	INTEGRATING PALEONTOLOGICAL AND NEONTOLOGICAL DATA ACROSS TIME AND SPACE. , 2016, , .		0
78	USING THE PALEOBIOLOGY DATABASE TO EXPLORE TECTONIC EVENTS. , 2017, , .		0
79	COORDINATED DIVERSITY CHANGES IN CENOZOIC MARINE VERTEBRATE REFLECT CLIMATIC FLUCTUATIONS. , 2017, , .		0
80	USING FOSSILS OF THE PALEOBIOLOGY DATABASE (PBDB) TO EXPLORE THE TECTONIC LINKAGE OF THE AMERICAS. , 2018, , .		0
81	The ePANDDA project: linking the Paleobiology Database, iDigBio, and iDigPaleo for biological and paleontological research, collections management, and outreach. Biodiversity Information Science and Standards, 0, 2, e26644.	0.0	0