J G M Thewissen

List of Publications by Year
in descending order

96 papers	4,223 citations	101384 36 h-index	123241 61 g-index
103 all docs	103 docs citations	103 times ranked	2537 citing authors

#	Article	IF	Citations
1	Olfactory epithelium and ontogeny of the nasal chambers in the bowhead whale (<scp>Balaena) Tj ETQq1 1 0.784314 rgBT /Overl	0.8	4
2	3D models related to the publication: The endocranial cast of Indohyus (Artiodactyla, Raoellidae): the origin of the cetacean brain Â. MorphoMuseuM, 2021, 7, e137.	0.1	0
3	The Endocranial Cast of Indohyus (Artiodactyla, Raoellidae): The Origin of the Cetacean Brain. Journal of Mammalian Evolution, 2021, 28, 831-843.	1.0	5
4	The pattern of brain-size change in the early evolution of cetaceans. PLoS ONE, 2021, 16, e0257803.	1.1	5
5	The role of desmosomes in the ear plug formation in the bowhead whale (Balaena mysticetus). Anatomical Record, 2020, 303, 3035-3043.	0.8	1
6	Carpal Morphology and Function in the Earliest Cetaceans. Journal of Vertebrate Paleontology, 2020, 40, e1833019.	0.4	2
7	Indohyus, Endemic Radiation of Raoellid Artiodactyls in the Eocene of India and Pakistan. Vertebrate Paleobiology and Paleoanthropology, 2020, , 337-346.	0.1	5
8	Unexpected evolutionary patterns of dental ontogenetic traits in cetartiodactyl mammals. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182417.	1.2	5
9	Structure of the external auditory meatus of the Bowhead whale (Balaena mysticetus) and its relation to their seasonal migration. Journal of Anatomy, 2019, 234, 201-215.	0.9	6
10	Age estimation in bowhead whales using tympanic bulla histology and baleen isotopes. Marine Mammal Science, 2018, 34, 347-364.	0.9	9
11	Review and experimental evaluation of the embryonic development and evolutionary history of flipper development and hyperphalangy in dolphins (Cetacea: Mammalia). Genesis, 2018, 56, e23076.	0.8	22
12	Ontogeny of the Orbital Glands and Their Environs in the Pantropical Spotted Dolphin (Stenella) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	9
13	Validation of Growth Layer Group (GLG) depositional rate using daily incremental growth lines in the dentin of beluga (Delphinapterus leucas (Pallas, 1776)) teeth. PLoS ONE, 2018, 13, e0190498.	1.1	24
14	Evolutionary aspects of the development of teeth and baleen in the bowhead whale. Journal of Anatomy, 2017, 230, 549-566.	0.9	47
15	Beyond thermoregulation: metabolic function of cetacean blubber in migrating bowhead and beluga whales. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2017, 187, 235-252.	0.7	30
16	Severe Bone Loss as Part of the Life History Strategy of Bowhead Whales. PLoS ONE, 2016, 11, e0156753.	1.1	38
17	Sensory Hairs in the Bowhead Whale, <scp>B</scp>alaena mysticetus (Cetacea, Mammalia). Anatomical Record, 2015, 298, 1327-1335.	0.8	39
18	The spiral ganglion and Rosenthal's canal in beluga whales. Journal of Morphology, 2015, 276, 1455-1466.	0.6	7

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19	An analysis of von Economo neurons in the cerebral cortex of cetaceans, artiodactyls, and perissodactyls. Brain Structure and Function, 2015, 220, 2303-2314.	1.2	43
20	Intervertebral and Epiphyseal Fusion in the Postnatal Ontogeny of Cetaceans and Terrestrial Mammals. Journal of Mammalian Evolution, 2015, 22, 93-109.	1.0	43
21	Organization and distribution of glomeruli in the bowhead whale olfactory bulb. PeerJ, 2015, 3, e897.	0.9	14
22	Anthracobunids from the Middle Eocene of India and Pakistan Are Stem Perissodactyls. PLoS ONE, 2014, 9, e109232.	1.1	63
23	Unique Biochemical and Mineral Composition of Whale Ear Bones. Physiological and Biochemical Zoology, 2014, 87, 576-584.	0.6	5
24	Berta, A.2012. Return to the Sea: the Life and Evolutionary Times of Marine Mammals. University of California Press, Berkeley, California, 205 pp. ISBN 978-0-520-27057-2, price (hardbound), $31.26. Journal of Mammalogy, 2013, 94, 1179-1179.	0.6	0
25	Development and evolution of the unique cetacean dentition. PeerJ, 2013, 1, e24.	0.9	59
26	Developmental biology enriches paleontology. Journal of Vertebrate Paleontology, 2012, 32, 1223-1234.	0.4	23
27	Evolutionary changes of the importance of olfaction in cetaceans based on the olfactory marker protein gene. Gene, 2012, 492, 349-353.	1.0	27
28	Evolution of dental wear and diet during the origin of whales. Paleobiology, 2011, 37, 655-669.	1.3	43
29	Cranial anatomy of middle EoceneRemingtonocetus(Cetacea, Mammalia) from Kutch, India. Journal of Paleontology, 2011, 85, 703-718.	0.5	38
30	Olfaction and brain size in the bowhead whale (Balaena mysticetus). Marine Mammal Science, 2011, 27, 282-294.	0.9	80
31	Allometric patterns of fetal head growth in mysticetes and odontocetes: Comparison of Balaena mysticetus and Stenella attenuata. Marine Mammal Science, 2011, 27, 819-827.	0.9	19
32	Development of the Skull of the Pantropical Spotted Dolphin (Stenella attenuata). Anatomical Record, 2011, 294, 1743-1756.	0.8	26
33	Early Eocene warming events and the timing of terrestrial faunal exchange between India and Asia. Geology, 2011, 39, 15-18.	2.0	110
34	The origin and early evolution of whales: macroevolution documented on the Indian Subcontinent. Journal of Biosciences, 2009, 34, 673-686.	0.5	25
35	From Land to Water: the Origin of Whales, Dolphins, and Porpoises. Evolution: Education and Outreach, 2009, 2, 272-288.	0.3	125
36	Thewissen et al. reply. Nature, 2009, 458, E5-E5.	13.7	5

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37	New skeletal material of Andrewsiphius and Kutchicetus, two Eocene cetaceans from India. Journal of Paleontology, 2009, 83, 635-663.	0.5	37
38	A New Miocene Sirenian from Kutch, India. Acta Palaeontologica Polonica, 2009, 54, 7-13.	0.4	21
39	New Oligocene mustelid from western India. Journal of Vertebrate Paleontology, 2008, 28, 565-567.	0.4	7
40	Eocene actinopterygian fishes from Pakistan, with the description of a new genus and species of channid (channiformes). Journal of Vertebrate Paleontology, 2008, 28, 41-52.	0.4	19
41	IntroductionOn Becoming Aquatic. , 2008, , 1-25.		1
42	The Physics of Sound in Air and Water. , 2008, , 174-181.		6
43	Comparative and Functional Anatomy of Balance in Aquatic Mammals. , 2008, , 257-284.		11
44	Toward an Integrative Approach. , 2008, , 333-340.		0
45	Sound transmission in archaic and modern whales: Anatomical adaptations for underwater hearing. Anatomical Record, 2007, 290, 716-733.	0.8	89
46	Whales originated from aquatic artiodactyls in the Eocene epoch of India. Nature, 2007, 450, 1190-1194.	13.7	276
47	Eocene and Oligocene sirenians (Mammalia) from Kachchh, India. Journal of Vertebrate Paleontology, 2006, 26, 400-410.	0.4	32
48	Developmental basis for hind-limb loss in dolphins and origin of the cetacean bodyplan. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8414-8418.	3.3	148
49	Cranial anatomy of Pakicetidae (Cetacea, Mammalia). Journal of Vertebrate Paleontology, 2006, 26, 746-759.	0.4	33
50	Morphoregulation of teeth: modulating the number, size, shape and differentiation by tuning Bmp activity. Evolution & Development, 2005, 7, 440-457.	1.1	159
51	A Retroposon Analysis of Afrotherian Phylogeny. Molecular Biology and Evolution, 2005, 22, 1823-1833.	3.5	88
52	LATERAL MANDIBULAR WALL THICKNESS IN TURSIOPS TRUNCATUS: VARIATION DUE TO SEX AND AGE. Marine Mammal Science, 2004, 20, 491-497.	0.9	10
53	Eocene evolution of whale hearing. Nature, 2004, 430, 776-778.	13.7	85
54	The Early Radiations of Cetacea (Mammalia): Evolutionary Pattern and Developmental Correlations. Annual Review of Ecology, Evolution, and Systematics, 2002, 33, 73-90.	6.7	93

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55	Additional holotype remains ofAmbulocetus natans(Cetacea, Ambulocetidae), and their implications for locomotion in early whales. Journal of Vertebrate Paleontology, 2002, 22, 405-422.	0.4	43
56	Vestibular evidence for the evolution of aquatic behaviour in early cetaceans. Nature, 2002, 417, 163-166.	13.7	202
57	Eocene mammal faunas from northern Indo-Pakistan. Journal of Vertebrate Paleontology, 2001, 21, 347-366.	0.4	76
58	Enigmatic new ungulates from the Early Middle Eocene of central Anatolia, Turkey. Journal of Vertebrate Paleontology, 2001, 21, 578-590.	0.4	22
59	Skull ofMegalohyrax eocaenus(Hyracoidea, Mammalia) from the Oligocene of Egypt. Journal of Vertebrate Paleontology, 2001, 21, 98-106.	0.4	10
60	A NEW ISECTOLOPHID TAPIROMORPH (PERISSODACTYLA, MAMMALIA) FROM THE EARLY EOCENE OF PAKISTAN. Journal of Paleontology, 2001, 75, 407-417.	0.5	6
61	DENTAL MORPHOLOGY OF REMINGTONOCETIDAE (CETACEA, MAMMALIA). Journal of Paleontology, 2001, 75, 463-465.	0.5	14
62	Dental morphology of Remingtonocetidae (Cetacea, Mammalia). Journal of Paleontology, 2001, 75, 463-465.	0.5	17
63	A new Isectolophid Tapiromorph (Perissodactyla, Mammalia) from the Early Eocene of Pakistan. Journal of Paleontology, 2001, 75, 407-417.	0.5	9
64	Skeletons of terrestrial cetaceans and the relationship of whales to artiodactyls. Nature, 2001, 413, 277-281.	13.7	255
65	Whale Origins as a Poster Child for Macroevolution. BioScience, 2001, 51, 1037.	2.2	47
66	Attockicetus praecursor, A New Remingtonocetid Cetacean from Marine Eocene Sediments of Pakistan. , 2000, 7, 133-146.		18
67	A NEW NEAR-SHORE MARINE FAUNA AND FLORA FROM THE EARLY NEOGENE OF NORTHWESTERN VENEZUELA. Journal of Paleontology, 2000, 74, 957-968.	0.5	34
68	Ankle Morphology of the Earliest Cetaceans and Its Implications for the Phylogenetic Relations among Ungulates. Systematic Biology, 1999, 48, 21-30.	2.7	48
69	Whale ankles and evolutionary relationships. Nature, 1998, 395, 452-452.	13.7	29
70	Cetacean Origins. , 1998, , 451-464.		6
71	Middle Eocene Cetaceans from the Harudi and Subathu Formations of India. , 1998, , 213-233.		26
72	Isotopic Approaches to Understanding the Terrestrial-to-Marine Transition of the Earliest Cetaceans. , 1998, , 399-422.		51

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73	Locomotor evolution in the earliest cetaceans: functional model, modern analogues, and paleontological evidence. Paleobiology, 1997, 23, 482-490.	1.3	93
74	Even-toed fingerprints on whale ancestry. Nature, 1997, 388, 622-623.	13.7	39
75	Evolution of cetacean osmoregulation. Nature, 1996, 381, 379-380.	13.7	72
76	Indocetus(Cetacea, Mammalia) endocasts from Kachchh (India). Journal of Vertebrate Paleontology, 1996, 16, 582-584.	0.4	17
77	Adhesive Devices on the Thumb of Vespertilionoid Bats (Chiroptera). Journal of Mammalogy, 1995, 76, 925.	0.6	25
78	Enamel microstructure of Pakicetus (Mammalia: Archaeoceti). Journal of Paleontology, 1995, 69, 1154-1163.	0.5	26
79	Phylogenetic aspects of Cetacean origins: A morphological perspective. Journal of Mammalian Evolution, 1994, 2, 157-184.	1.0	88
80	Fossil sirenia of the west Atlantic and Caribbean region. V. The most primitive known sirenian,Prorastomus sirenoidesOwen, 1855. Journal of Vertebrate Paleontology, 1994, 14, 427-449.	0.4	73
81	Fossil Evidence for the Origin of Aquatic Locomotion in Archaeocete Whales. Science, 1994, 263, 210-212.	6.0	166
82	Origin of underwater hearing in whales. Nature, 1993, 361, 444-445.	13.7	85
83	The Implications of the Propatagial Muscles of Flying and Gliding Mammals for Archontan Systematics. , 1993, , 91-109.		17
84	Paleobiogeography of Indo-Pakistan: A Response to Briggs, Patterson, and Owen. Systematic Biology, 1992, 41, 248-251.	2.7	33
85	Paleobiogeography of Indo-Pakistan: A Response to Briggs, Patterson, and Owen. Systematic Biology, 1992, 41, 248.	2.7	2
86	The Origin of Flight in Bats. BioScience, 1992, 42, 340-345.	2.2	35
87	The role of phenacodontids in the origin of the modern orders of ungulate mammals. Journal of Vertebrate Paleontology, 1992, 12, 494-504.	0.4	75
88	Temporal data in phylogenetic systematics: an example from the mammalian fossil record. Journal of Paleontology, 1992, 66, 1-8.	0.5	19
89	Cranial anatomy oflgnacius graybullianus and the affinities of the Plesiadapiformes. American Journal of Physical Anthropology, 1992, 89, 477-498.	2.1	100
90	Limb Osteology and function of the primitive Paleocene ungulate Pleuraspidotherium with notes on Tricuspiodon and Dissacus (Mammalia). Geobios, 1991, 24, 483-495.	0.7	13

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91	Distinctive cranial and cervical innervation of wing muscles: new evidence for bat monophyly. Science, 1991, 251, 934-936.	6.0	76
92	Comments and Reply on "Paleontological view of the ages of the Deccan Traps, the Cretaceous /Tertiary boundary, and the India-Asia collision". Geology, 1990, 18, 185.	2.0	12
93	Postcranial Osteology of the most Primitive Artiodactyl: Diacodexis pakistanensis (Dichobunidae). Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 1990, 19, 37-48.	0.3	41
94	Skull and endocranial cast ofEoryctes melanus, a new palaeoryctid (Mammalia: Insectivora) from the early Eocene of western North America. Journal of Vertebrate Paleontology, 1989, 9, 459-470.	0.4	45
95	Mammalian frontal diploic vein and the human foramen caecum. The Anatomical Record, 1989, 223, 242-244.	2.3	31
96	Orycteropus afer. Mammalian Species, 0, , .	0.4	2