

Doug M Boyer

List of Publications by Year in descending order

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104
papers

5,081
citations

70961

41
h-index

102304

66
g-index

108
all docs

108
docs citations

108
times ranked

2315
citing authors

#	ARTICLE	IF	CITATIONS
1	Data sharing in biological anthropology. <i>American Journal of Biological Anthropology</i> , 2022, 178, 26-53.	0.6	9
2	Evaluating the responses of three closely related small mammal lineages to climate change across the Paleocene–Eocene thermal maximum. <i>Paleobiology</i> , 2021, 47, 464-486.	1.3	7
3	Insights from macroevolutionary modelling and ancestral state reconstruction into the radiation and historical dietary ecology of Lemuriformes (Primates, Mammalia). <i>Bmc Ecology and Evolution</i> , 2021, 21, 60.	0.7	3
4	Unveiling the third dimension in morphometry with automated quantitative volumetric computations. <i>Scientific Reports</i> , 2021, 11, 14438.	1.6	4
5	New dentaries of <i>Chiromyoides</i> (Primateomorpha, Plesiadapidae) and a reassessment of the ‘mammalian woodpecker’ ecological niche. <i>Geobios</i> , 2021, 66-67, 77-102.	0.7	1
6	Response to letters to the editor concerning <scp>AJPA</scp> commentary on ‘data sharing in biological anthropology: Guiding principles and best practices’: <i>American Journal of Physical Anthropology</i> , 2020, 172, 344-346.	2.1	5
7	First navicular remains of a European adapiform (<i>Anchomomys frontanyensis</i>) from the Middle Eocene of the Eastern Pyrenees (Catalonia, Spain): implications for early primate locomotor behavior and navicular evolution. <i>Journal of Human Evolution</i> , 2020, 139, 102708.	1.3	5
8	Vertical support use and primate origins. <i>Scientific Reports</i> , 2019, 9, 12341.	1.6	11
9	My branch is your branch: Talar morphology correlates with relative substrate size in platyrrhines at Tiputini Biodiversity Station, Ecuador. <i>Journal of Human Evolution</i> , 2019, 133, 23-31.	1.3	4
10	Carotid foramen size in the human skull tracks developmental changes in cerebral blood flow and brain metabolism. <i>American Journal of Physical Anthropology</i> , 2019, 169, 161-169.	2.1	2
11	ariaDNE: A robustly implemented algorithm for Dirichlet energy of the normal. <i>Methods in Ecology and Evolution</i> , 2019, 10, 541-552.	2.2	21
12	Gaussian Process Landmarking for Three-Dimensional Geometric Morphometrics. <i>SIAM Journal on Mathematics of Data Science</i> , 2019, 1, 237-267.	1.0	15
13	A digital collection of rare and endangered lemurs and other primates from the Duke Lemur Center. <i>PLoS ONE</i> , 2019, 14, e0219411.	1.1	9
14	New estimates of blood flow rates in the vertebral artery of euarchontans and their implications for encephalic blood flow scaling: A response to Seymour and Snelling (2018). <i>Journal of Human Evolution</i> , 2019, 128, 93-98.	1.3	9
15	New fossils, systematics, and biogeography of the oldest known crown primate <i>Teilhardina</i> from the earliest Eocene of Asia, Europe, and North America. <i>Journal of Human Evolution</i> , 2019, 128, 103-131.	1.3	65
16	A digital collection of rare and endangered lemurs and other primates from the Duke Lemur Center. , 2019, 14, e0219411.		0
17	A digital collection of rare and endangered lemurs and other primates from the Duke Lemur Center. , 2019, 14, e0219411.		0
18	A digital collection of rare and endangered lemurs and other primates from the Duke Lemur Center. , 2019, 14, e0219411.		0

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19	A digital collection of rare and endangered lemurs and other primates from the Duke Lemur Center. , 2019, 14, e0219411.		0
20	New adapiform primate fossils from the late Eocene of Egypt. <i>Historical Biology</i> , 2018, 30, 204-226.	0.7	59
21	Scaling of bony canals for encephalic vessels in euarchontans: Implications for the role of the vertebral artery and brain metabolism. <i>Journal of Human Evolution</i> , 2018, 114, 85-101.	1.3	21
22	Development and Assessment of Fully Automated and Globally Transitive Geometric Morphometric Methods, With Application to a Biological Comparative Dataset With High Interspecific Variation. <i>Anatomical Record</i> , 2018, 301, 636-658.	0.8	25
23	Oldest evidence for grooming claws in euprimates. <i>Journal of Human Evolution</i> , 2018, 122, 1-22.	1.3	12
24	Fossil lemurs from Egypt and Kenya suggest an African origin for Madagascar's aye-aye. <i>Nature Communications</i> , 2018, 9, 3193.	5.8	87
25	Group-wise shape correspondence of variable and complex objects. , 2018, 10574, .		1
26	Open data and digital morphology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170194.	1.2	103
27	The evolutionary radiation of plesiadapiforms. <i>Evolutionary Anthropology</i> , 2017, 26, 74-94.	1.7	79
28	Semi-supervised determination of pseudocryptic morphotypes using observer-free characterizations of anatomical alignment and shape. <i>Ecology and Evolution</i> , 2017, 7, 5041-5055.	0.8	16
29	Quantification of the position and depth of the <i>flexor hallucis longus</i> groove in euarchontans, with implications for the evolution of primate positional behavior. <i>American Journal of Physical Anthropology</i> , 2017, 163, 367-406.	2.1	15
30	Physical activity alters limb bone structure but not enthesal morphology. <i>Journal of Human Evolution</i> , 2017, 107, 14-18.	1.3	47
31	Postcrania of the most primitive euprimate and implications for primate origins. <i>Journal of Human Evolution</i> , 2017, 111, 202-215.	1.3	27
32	Lower molar shape and size in prosimian and platyrrhine primates. <i>American Journal of Physical Anthropology</i> , 2016, 161, 237-258.	2.1	11
33	The first major primate extinction: An evaluation of paleoecological dynamics of North American stem primates using a homology free measure of tooth shape. <i>American Journal of Physical Anthropology</i> , 2016, 159, 683-697.	2.1	83
34	MORPHOSOURCE: ARCHIVING AND SHARING 3-D DIGITAL SPECIMEN DATA. <i>The Paleontological Society Papers</i> , 2016, 22, 157-181.	0.8	158
35	Surfaces and spaces: troubleshooting the study of dietary niche space overlap between North American stem primates and rodents. <i>Surface Topography: Metrology and Properties</i> , 2016, 4, 024005.	0.9	25
36	Wear and its effects on dental topography measures in howling monkeys (<i>Alouatta palliata</i>). <i>American Journal of Physical Anthropology</i> , 2016, 161, 705-721.	2.1	37

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37	First virtual endocasts of adapiform primates. <i>Journal of Human Evolution</i> , 2016, 99, 52-78.	1.3	23
38	Hands of Paleogene Primates. <i>Developments in Primatology</i> , 2016, , 373-419.	0.7	4
39	Internal carotid arterial canal size and scaling in Euarchonta: Re-assessing implications for arterial patency and phylogenetic relationships in early fossil primates. <i>Journal of Human Evolution</i> , 2016, 97, 123-144.	1.3	18
40	Stem members of Platyrrhini are distinct from catarrhines in at least one derived cranial feature. <i>Journal of Human Evolution</i> , 2016, 100, 16-24.	1.3	8
41	A collection of non-human primate computed tomography scans housed in MorphoSource, a repository for 3D data. <i>Scientific Data</i> , 2016, 3, 160001.	2.4	51
42	Astragalar and calcaneal morphology of the middle Eocene primate <i>Anchomomys frontanyensis</i> (Anchomomyini): Implications for early primate evolution. <i>Journal of Human Evolution</i> , 2016, 91, 122-143.	1.3	28
43	Introducing molar: a New R Package for Quantitative Topographic Analysis of Teeth (and Other) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.0	71
44	Predicting euarchontan body mass: A comparison of tarsal and dental variables. <i>American Journal of Physical Anthropology</i> , 2015, 157, 472-506.	2.1	30
45	Detailed Anatomical Orientations for Certain Types of Morphometric Measurements Can Be Determined Automatically With Geometric Algorithms. <i>Anatomical Record</i> , 2015, 298, 1816-1823.	0.8	8
46	Functional morphology of the hallucal metatarsal with implications for inferring grasping ability in extinct primates. <i>American Journal of Physical Anthropology</i> , 2015, 156, 327-348.	2.1	19
47	Oldest known euarchontan tarsals and affinities of Paleocene <i>Purgatorius</i> to Primates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1487-1492.	3.3	65
48	The effect of differences in methodology among some recent applications of shearing quotients. <i>American Journal of Physical Anthropology</i> , 2015, 156, 166-178.	2.1	18
49	Evolution of postural diversity in primates as reflected by the size and shape of the medial tibial facet of the talus. <i>American Journal of Physical Anthropology</i> , 2015, 157, 134-177.	2.1	29
50	Distinct functional roles of primate grasping hands and feet during arboreal quadrupedal locomotion. <i>Journal of Human Evolution</i> , 2015, 88, 79-84.	1.3	27
51	A New Fully Automated Approach for Aligning and Comparing Shapes. <i>Anatomical Record</i> , 2015, 298, 249-276.	0.8	104
52	Primate Origins and Supraordinal Relationships: Morphological Evidence. , 2015, , 1053-1081.		16
53	Primate tarsal bones from Egerkingen, Switzerland, attributable to the middle Eocene adapiform <i>Caenopithecus lemuroides</i> . <i>PeerJ</i> , 2015, 3, e1036.	0.9	64
54	Interspecific scaling patterns of talar articular surfaces within primates and their closest living relatives. <i>Journal of Anatomy</i> , 2014, 224, 150-172.	0.9	14

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55	Dental topography of platyrrhines and prosimians: Convergence and contrasts. <i>American Journal of Physical Anthropology</i> , 2014, 153, 29-44.	2.1	111
56	Persistent homology transform for modeling shapes and surfaces. <i>Information and Inference</i> , 2014, 3, 310-344.	0.9	85
57	A three-dimensional morphometric analysis of the locomotory ecology of <i>Deccanolestes</i> , a eutherian mammal from the Late Cretaceous of India. <i>Journal of Vertebrate Paleontology</i> , 2014, 34, 146-156.	0.4	7
58	Lumbar vertebral morphology of flying, gliding, and suspensory mammals: Implications for the locomotor behavior of the subfossil lemurs <i>Palaeopropithecus</i> and <i>Babakotia</i> . <i>Journal of Human Evolution</i> , 2014, 75, 40-52.	1.3	68
59	Patterns of astragalar fibular facet orientation in extant and fossil primates and their evolutionary implications. <i>American Journal of Physical Anthropology</i> , 2013, 151, 420-447.	2.1	38
60	A calcaneus attributable to the primitive late eocene anthropoid <i>Proteopithecus sylviae</i> : Phenetic affinities and phylogenetic implications. <i>American Journal of Physical Anthropology</i> , 2013, 151, 372-397.	2.1	23
61	Diet and dental topography in pitheciine seed predators. <i>American Journal of Physical Anthropology</i> , 2013, 150, 107-121.	2.1	68
62	Hands of early primates. <i>American Journal of Physical Anthropology</i> , 2013, 152, 33-78.	2.1	50
63	Chemostratigraphic implications of spatial variation in the Paleocene–Eocene Thermal Maximum carbon isotope excursion, SE Bighorn Basin, Wyoming. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4133-4152.	1.0	37
64	Evolution and Allometry of Calcaneal Elongation in Living and Extinct Primates. <i>PLoS ONE</i> , 2013, 8, e67792.	1.1	54
65	Earliest record of <i>Platychoerops</i> (Primates, Plesiadapidae), a new species from Mouras Quarry, Mont de Berru, France. <i>American Journal of Physical Anthropology</i> , 2012, 149, 329-346.	2.1	67
66	Evidence for a Grooming Claw in a North American Adapiform Primate: Implications for Anthropoid Origins. <i>PLoS ONE</i> , 2012, 7, e29135.	1.1	77
67	Lemur habitat and dental senescence in Ranomafana National Park, Madagascar. <i>American Journal of Physical Anthropology</i> , 2012, 148, 228-237.	2.1	13
68	Dental topography indicates ecological contraction of lemur communities. <i>American Journal of Physical Anthropology</i> , 2012, 148, 215-227.	2.1	108
69	Inner Ear Evolution in Primates Through the Cenozoic: Implications for the Evolution of Hearing. <i>Anatomical Record</i> , 2012, 295, 615-631.	0.8	56
70	Evolution of the Earliest Horses Driven by Climate Change in the Paleocene-Eocene Thermal Maximum. <i>Science</i> , 2012, 335, 959-962.	6.0	188
71	New primate first metatarsals from the Paleogene of Egypt and the origin of the anthropoid big toe. <i>Journal of Human Evolution</i> , 2012, 63, 99-120.	1.3	20
72	New craniodental material of <i>Pronothodectes gaoi</i> Fox (Mammalia, †Plesiadapiformes) and relationships among members of Plesiadapidae. <i>American Journal of Physical Anthropology</i> , 2012, 147, 511-550.	2.1	23

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73	Relationships between the expression of the stapedial artery and the size of the obturator foramen in euarchontans: Functional and phylogenetic implications. <i>Journal of Human Evolution</i> , 2011, 60, 106-116.	1.3	3
74	Comparing Dirichlet normal surface energy of tooth crowns, a new technique of molar shape quantification for dietary inference, with previous methods in isolation and in combination. <i>American Journal of Physical Anthropology</i> , 2011, 145, 247-261.	2.1	137
75	Changes in orientation of attritional wear facets with implications for jaw motion in a mixed longitudinal sample of <i>Propithecus edwardsi</i> from Ranomafana National Park, Madagascar. <i>American Journal of Physical Anthropology</i> , 2011, 146, 116-133.	2.1	3
76	New fossils of the oldest North American euprimate <i>Teilhardina brandti</i> (Omomyidae) from the paleocene–eocene thermal maximum. <i>American Journal of Physical Anthropology</i> , 2011, 146, 281-305.	2.1	49
77	Morphological Correlates of the Grooming Claw in Distal Phalanges of Platyrrhines and Other Primates: A Preliminary Study. <i>Anatomical Record</i> , 2011, 294, 1975-1990.	0.8	21
78	Endocranial morphology of <i>Labidolemur kayi</i> (Apatemyidae, Apatotheria) and its relevance to the study of brain evolution in Euarchontoglires. <i>Journal of Vertebrate Paleontology</i> , 2011, 31, 1314-1325.	0.4	21
79	A radiation of arboreal basal eutherian mammals beginning in the Late Cretaceous of India. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16333-16338.	3.3	87
80	Algorithms to automatically quantify the geometric similarity of anatomical surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18221-18226.	3.3	122
81	First records of a triisodontine mammal, <i>Goniacodon levisanus</i> , in the late Paleocene of the northern Great Plains, North America. <i>Journal of Vertebrate Paleontology</i> , 2010, 30, 604-608.	0.4	5
82	New postcrania of <i>Deccanolestes</i> from the Late Cretaceous of India and their bearing on the evolutionary and biogeographic history of euarchontan mammals. <i>Die Naturwissenschaften</i> , 2010, 97, 365-377.	0.6	45
83	A New Small-Bodied Species of Palaeonictis (Creodonta, Oxyaenidae) from the Paleocene-Eocene Thermal Maximum. <i>Journal of Mammalian Evolution</i> , 2010, 17, 227-243.	1.0	25
84	Hallucal grasping in <i>Nycticebus coucang</i> : further implications for the functional significance of a large peroneal process. <i>Journal of Human Evolution</i> , 2010, 58, 33-42.	1.3	66
85	Evidence of dietary differentiation among late Paleocene–early Eocene plesiadapids (Mammalia). <i>Tj ETQq1 1 0.784314 rgBT /Overlo</i>	2.1	106
86	Astragalar morphology of <i>Afradapis</i> , a large adapiform primate from the earliest late Eocene of Egypt. <i>American Journal of Physical Anthropology</i> , 2010, 143, 383-402.	2.1	78
87	Cranial anatomy of Paleocene and Eocene <i>Labidolemur kayi</i> (Mammalia: Apatotheria), and the relationships of the Apatemyidae to other mammals. <i>Zoological Journal of the Linnean Society</i> , 2010, 160, 773-825.	1.0	38
88	A fossil primate of uncertain affinities from the earliest late Eocene of Egypt. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9712-9717.	3.3	81
89	Semicircular canal system in early primates. <i>Journal of Human Evolution</i> , 2009, 56, 315-327.	1.3	115
90	Comparative functional morphology of the primate peroneal process. <i>Journal of Human Evolution</i> , 2009, 57, 721-731.	1.3	15

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91	Convergent evolution of anthropoid-like adaptations in Eocene adapiform primates. <i>Nature</i> , 2009, 461, 1118-1121.	13.7	143
92	Intrinsic hand proportions of euarchontans and other mammals: Implications for the locomotor behavior of plesiadapiforms. <i>Journal of Human Evolution</i> , 2008, 55, 278-299.	1.3	104
93	Relief index of second mandibular molars is a correlate of diet among prosimian primates and other euarchontan mammals. <i>Journal of Human Evolution</i> , 2008, 55, 1118-1137.	1.3	194
94	Evaluating the Mitten-Gliding Hypothesis for Paromomyidae and Micromomyidae (Mammalia). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627</i> 233-284.		76
95	Telemetered electromyography of peroneus longus in <i>Varecia variegata</i> and <i>Eulemur rubriventer</i> : implications for the functional significance of a large peroneal process. <i>Journal of Human Evolution</i> , 2007, 53, 119-134.	1.3	42
96	Evolution of pedal grasping in Primates. <i>Journal of Human Evolution</i> , 2007, 53, 103-107.	1.3	83
97	Revisiting the adaptive origins of primates (again). <i>Journal of Human Evolution</i> , 2007, 53, 321-324.	1.3	22
98	New Paleocene skeletons and the relationship of plesiadapiforms to crown-clade primates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1159-1164.	3.3	242
99	Cranial Morphology of a Pantolestid Eutherian Mammal from the Eocene Bridger Formation, Wyoming, USA: Implications for Relationships and Habitat. <i>Journal of Mammalian Evolution</i> , 2007, 14, 239-280.	1.0	16
100	1 Primate Origins and Supraordinal Relationships: Morphological Evidence. , 2007, , 831-859.		73
101	Response to Comment on "Grasping Primate Origins". <i>Science</i> , 2003, 300, 741c-741.	6.0	28
102	Grasping Primate Origins. <i>Science</i> , 2002, 298, 1606-1610.	6.0	318
103	New primitive paromomyid from the Clarkforkian of Wyoming and dental eruption in Plesiadapiformes. <i>Journal of Vertebrate Paleontology</i> , 2002, 22, 366-379.	0.4	33
104	Reconstructing dietary ecology of extinct strepsirrhines (Primates, Mammalia) with new approaches for characterizing and analyzing tooth shape. <i>Paleobiology</i> , 0, , 1-20.	1.3	14