Matthew M Skinner

List of Publications by Year
in descending order

90 papers	4,782 citations	117625 34 h-index	106344 65 g-index
94 all docs	94 docs citations	94 times ranked	3273 citing authors

#	Article	IF	Citations
1	Patterns of internal bone structure and functional adaptation in the hominoid scaphoid, lunate, and triquetrum. American Journal of Biological Anthropology, 2022, 177, 266-285.	1.1	5
2	Ontogenetic changes to metacarpal trabecular bone structure in mountain and western lowland gorillas. Journal of Anatomy, 2022, 241, 82-100.	1.5	2
3	A computational framework for canonical holistic morphometric analysis of trabecular bone. Scientific Reports, 2022, 12, 5187.	3.3	7
4	Calcar femorale variation in extant and fossil hominids: Implications for identifying bipedal locomotion in fossil hominins. Journal of Human Evolution, 2022, 167, 103183.	2.6	4
5	A Middle Pleistocene Denisovan molar from the Annamite Chain of northern Laos. Nature Communications, 2022, 13, 2557.	12.8	20
6	On the earliest Acheulean in Britain: first dates and in-situ artefacts from the MIS 15 site of Fordwich (Kent, UK). Royal Society Open Science, 2022, 9, .	2.4	9
7	Sign-oriented Dirichlet Normal Energy: Aligning Dental Topography and Dental Function in the R-package molaR. Journal of Mammalian Evolution, 2022, 29, 713-732.	1.8	6
8	Dental data challenge the ubiquitous presence of Homo in the Cradle of Humankind. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	13
9	The morphology of the Late Pleistocene hominin remains from the site of La Cotte de St Brelade, Jersey (Channel Islands). Journal of Human Evolution, 2021, 152, 102939.	2.6	7
10	Accessory cusp expression at the enamel-dentine junction of hominin mandibular molars. PeerJ, 2021, 9, e11415.	2.0	7
11	Cortical and trabecular bone structure of the hominoid capitate. Journal of Anatomy, 2021, 239, 351-373.	1.5	15
12	The Neanderthal teeth from Marillac (Charente, Southwestern France): Morphology, comparisons and paleobiology. Journal of Human Evolution, 2020, 138, 102683.	2.6	6
13	Trabecular variation in the first metacarpal and manipulation in hominids. American Journal of Physical Anthropology, 2020, 171, 219-241.	2.1	18
14	Reply to Haeusler et al.: Internal structure of the femur provides robust evidence for locomotor and taxonomic diversity at Sterkfontein. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28570-28571.	7.1	0
15	Enamel thickness variation in the deciduous dentition of extant largeâ€bodied hominoids. American Journal of Physical Anthropology, 2020, 173, 500-513.	2.1	3
16	Distinct mandibular premolar crown morphology in Homo naledi and its implications for the evolution of Homo species in southern Africa. Scientific Reports, 2020, 10, 13196.	3.3	12
17	The position of Australopithecus sediba within fossil hominin hand use diversity. Nature Ecology and Evolution, 2020, 4, 911-918.	7.8	40
18	Initial Upper Palaeolithic Homo sapiens from Bacho Kiro Cave, Bulgaria. Nature, 2020, 581, 299-302.	27.8	188

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19	Maxillary molar enamel thickness of Plio-Pleistocene hominins. Journal of Human Evolution, 2020, 142, 102731.	2.6	12
20	Evidence for habitual climbing in a Pleistocene hominin in South Africa. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8416-8423.	7.1	24
21	Hominin dental remains from the Pliocene localities at Lomekwi, Kenya (1982â€“2009). Journal of Human Evolution, 2020, 145, 102820.	2.6	8
22	Endostructural morphology in hominoid mandibular third premolars: Geometric morphometric analysis of dentine crown shape. Journal of Human Evolution, 2019, 133, 198-213.	2.6	8
23	A distinguishing feature of Pongo upper molars and its implications for the taxonomic identification of isolated hominid teeth from the Pleistocene of Asia. American Journal of Physical Anthropology, 2019, 170, 595-612.	2.1	2
24	Endostructural morphology in hominoid mandibular third premolars: Discrete traits at the enamel-dentine junction. Journal of Human Evolution, 2019, 136, 102670.	2.6	12
25	Metacarpal trabecular bone varies with distinct handâ€positions used in hominid locomotion. Journal of Anatomy, 2019, 235, 45-66.	1.5	28
26	A late Middle Pleistocene Denisovan mandible from the Tibetan Plateau. Nature, 2019, 569, 409-412.	27.8	302
27	Mandibular molar root and pulp cavity morphology in Homo naledi and other Plio-Pleistocene hominins. Journal of Human Evolution, 2019, 130, 83-95.	2.6	27
28	First metatarsal trabecular bone structure in extant hominoids and Swartkrans hominins. Journal of Human Evolution, 2019, 131, 1-21.	2.6	12
29	Evidence for increased hominid diversity in the Early to Middle Pleistocene of Indonesia. Nature Ecology and Evolution, 2019, 3, 755-764.	7.8	51
30	Growth response of dental tissues to developmental stress in the domestic pig (<scp><i>Sus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	2.1	4
31	Trabecular architecture of the great ape and human femoral head. Journal of Anatomy, 2019, 234, 679-693.	1.5	14
32	Inverse remodelling algorithm identifies habitual manual activities of primates based on metacarpal bone architecture. Biomechanics and Modeling in Mechanobiology, 2019, 18, 399-410.	2.8	10
33	Evo-devo models of tooth development and the origin of hominoid molar diversity. Science Advances, 2018, 4, eaar2334.	10.3	23
34	Systemic patterns of trabecular bone across the human and chimpanzee skeleton. Journal of Anatomy, 2018, 232, 641-656.	1.5	41
35	Patterns of lateral enamel growth in Homo naledi as assessed through perikymata distribution and number. Journal of Human Evolution, 2018, 121, 40-54.	2.6	15
36	Ontogeny and variability of trabecular bone in the chimpanzee humerus, femur and tibia. American Journal of Physical Anthropology, 2018, 167, 713-736.	2.1	20

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37	Trabecular bone patterning across the human hand. Journal of Human Evolution, 2018, 123, 1-23.	2.6	31
38	Trabecular architecture and joint loading of the proximal humerus in extant hominoids, Ateles, and Australopithecus africanus. American Journal of Physical Anthropology, 2018, 167, 348-365.	2.1	16
39	MIA-Clustering: a novel method for segmentation of paleontological material. PeerJ, 2018, 6, e4374.	2.0	28
40	Trabecular bone patterning in the hominoid distal femur. PeerJ, 2018, 6, e5156.	2.0	19
41	Cortical bone mapping: An application to hand and foot bones in hominoids. Comptes Rendus - Palevol, 2017, 16, 690-701.	0.2	16
42	The morphology of the enamelâ€“dentine junction in Neanderthal molars: Gross morphology, non-metric traits, and temporal trends. Journal of Human Evolution, 2017, 103, 20-44.	2.6	41
43	Orangutans, enamel defects, and developmental health: A comparison of Borneo and Sumatra. American Journal of Primatology, 2017, 79, e22668.	1.7	10
44	New fossils from Jebel Irhoud, Morocco and the pan-African origin of Homo sapiens. Nature, 2017, 546, 289-292.	27.8	822
45	Trabecular and cortical bone structure of the talus and distal tibia in Pan and Homo. American Journal of Physical Anthropology, 2017, 163, 784-805.	2.1	34
46	Homology, homoplasy and cusp variability at the enamelâ€“dentine junction of hominoid molars. Journal of Anatomy, 2017, 231, 585-599.	1.5	15
47	New fossil remains of Homo naledi from the Lesedi Chamber, South Africa. ELife, 2017, 6, .	6.0	106
48	An Enigmatic Hypoplastic Defect of the Maxillary Lateral Incisor in Recent and Fossil Orangutans from Sumatra (Pongo abelii) and Borneo (Pongo pygmaeus). International Journal of Primatology, 2016, 37, 548-567.	1.9	6
49	A dental perspective on the taxonomic affinity of the Balanica mandible (BH-1). Journal of Human Evolution, 2016, 93, 63-81.	2.6	41
50	Trabecular architecture in the thumb of Pan and Homo: implications for investigating hand use, loading, and hand preference in the fossil record. American Journal of Physical Anthropology, 2016, 161, 603-619.	2.1	39
51	New genetic and morphological evidence suggests a single hoaxer created â€˜Piltdown manâ€™. Royal Society Open Science, 2016, 3, 160328.	2.4	14
52	The role of inhibitory dynamics in the loss and reemergence of macropodoid tooth traits. Evolution; International Journal of Organic Evolution, 2016, 70, 568-585.	2.3	11
53	A simple rule governs the evolution and development of hominin tooth size. Nature, 2016, 530, 477-480.	27.8	85
54	Premolar root and canal variation in South African Plio-Pleistocene specimens attributed to Australopithecus africanus and Paranthropus robustus. Journal of Human Evolution, 2016, 93, 46-62.	2.6	21

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55	Homo naledi, a new species of the genus Homo from the Dinaledi Chamber, South Africa. ELife, 2015, 4, .	6.0	358
56	Premolar root and canal variation in extant nonâ€human hominoidea. American Journal of Physical Anthropology, 2015, 158, 209-226.	2.1	16
57	Associated ilium and femur from Koobi Fora, Kenya, and postcranial diversity in early Homo. Journal of Human Evolution, 2015, 81, 48-67.	2.6	56
58	Enamel thickness trends in Plio-Pleistocene hominin mandibular molars. Journal of Human Evolution, 2015, 85, 35-45.	2.6	64
59	Human-like hand use in Australopithecus africanus. Science, 2015, 347, 395-399.	12.6	156
60	â€œMissing perikymataâ€â€”fact or fiction? A study on chimpanzee (Pan troglodytes verus) canines. American Journal of Physical Anthropology, 2015, 157, 276-283.	2.1	6
61	Response to Comment on â€œHuman-like hand use in Australopithecus africanus â€. Science, 2015, 348, 1101-1101.	12.6	14
62	First Early Hominin from Central Africa (Ishango, Democratic Republic of Congo). PLoS ONE, 2014, 9, e84652.	2.5	19
63	Trigonid crests expression in Atapuerca-Sima de los Huesos lower molars: Internal and external morphological expression and evolutionary inferences. Comptes Rendus - Palevol, 2014, 13, 205-221.	0.2	62
64	Talonid crests expression at the enamelâ€“dentine junction of hominin lower permanent and deciduous molars. Comptes Rendus - Palevol, 2014, 13, 223-234.	0.2	34
65	Micro-finite element (Î¼FE) modeling of the siamang (Symphalangus syndactylus) third proximal phalanx: The functional role of curvature and the flexor sheath ridge. Journal of Human Evolution, 2014, 67, 60-75.	2.6	26
66	Microtomographic archive of fossil hominin specimens from Kromdraai B, South Africa. Journal of Human Evolution, 2013, 64, 434-447.	2.6	25
67	Premolar root morphology and metric variation in Pan troglodytes verus. American Journal of Physical Anthropology, 2013, 150, 632-646.	2.1	19
68	Neandertals made the first specialized bone tools in Europe. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14186-14190.	7.1	217
69	MIA - A free and open source software for gray scale medical image analysis. Source Code for Biology and Medicine, 2013, 8, 20.	1.7	35
70	Trabecular Bone Structure Correlates with Hand Posture and Use in Hominoids. PLoS ONE, 2013, 8, e78781.	2.5	96
71	Developmental defects of the dental crown in chimpanzees from the TaÃ¯ National Park, CÃ´te D'ivoire: Coronal waisting. American Journal of Physical Anthropology, 2012, 149, 272-282.	2.1	14
72	Carabelliâ€™s trait revisited: An examination of mesiolingual features at the enamelâ€“dentine junction and enamel surface of Pan and Homo sapiens upper molars. Journal of Human Evolution, 2012, 63, 586-596.	2.6	41

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73	Variation in enamel thickness within the genus Homo. Journal of Human Evolution, 2012, 62, 395-411.	2.6	106
74	Enamel thickness in Bornean and Sumatran orangutan dentitions. American Journal of Physical Anthropology, 2012, 147, 417-426.	2.1	40
75	Methodological considerations for analyzing trabecular architecture: an example from the primate hand. Journal of Anatomy, 2011, 218, 209-225.	1.5	55
76	Scaling VOI size in 3D Î¼CT studies of trabecular bone: A test of the overâ€sampling hypothesis. American Journal of Physical Anthropology, 2011, 144, 196-203.	2.1	48
77	Metacarpal trabecular architecture variation in the chimpanzee (Pan troglodytes): Evidence for locomotion and toolâ€use?. American Journal of Physical Anthropology, 2011, 144, 215-225.	2.1	37
78	What lies beneath? An evaluation of lower molar trigonid crest patterns based on both dentine and enamel expression. American Journal of Physical Anthropology, 2011, 145, 505-518.	2.1	96
79	Trabecular architecture of the hominoid carpus. FASEB Journal, 2011, 25, 183.7.	0.5	0
80	Brief communication: Contributions of enamelâ€dentine junction shape and enamel deposition to primate molar crown complexity. American Journal of Physical Anthropology, 2010, 142, 157-163.	2.1	63
81	The presence of accessory cusps in chimpanzee lower molars is consistent with a patterning cascade model of development. Journal of Anatomy, 2010, 217, 245-253.	1.5	50
82	Molar Crown and Root Size Relationship in Anthropoid Primates. Frontiers of Oral Biology, 2009, 13, 16-22.	1.5	15
83	How Many Landmarks? Assessing the Classification Accuracy of Pan Lower Molars Using a Geometric Morphometric Analysis of the Occlusal Basin as Seen at the Enamel-Dentine Junction. Frontiers of Oral Biology, 2009, 13, 23-29.	1.5	15
84	Protostylid expression at the enamel-dentine junction and enamel surface of mandibular molars of Paranthropus robustus and Australopithecus africanus. Journal of Human Evolution, 2009, 56, 76-85.	2.6	65
85	Discrimination of extant Pan species and subspecies using the enamelâ€“dentine junction morphology of lower molars. American Journal of Physical Anthropology, 2009, 140, 234-243.	2.1	83
86	Dental trait expression at the enamel-dentine junction of lower molars in extant and fossil hominoids. Journal of Human Evolution, 2008, 54, 173-186.	2.6	133
87	Dental tissue proportions and enamel thickness in Neandertal and modern human molars. Journal of Human Evolution, 2008, 55, 12-23.	2.6	148
88	Enamel-dentine junction (EDJ) morphology distinguishes the lower molars of Australopithecus africanus and Paranthropus robustus. Journal of Human Evolution, 2008, 55, 979-988.	2.6	98
89	Three-dimensional molar enamel distribution and thickness in Australopithecus and Paranthropus. Biology Letters, 2008, 4, 406-410.	2.3	85
90	Mandibular size and shape variation in the hominins at Dmanisi, Republic of Georgia. Journal of Human Evolution, 2006, 51, 36-49.	2.6	52