

Biren A Patel

List of Publications by Year in descending order

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57
papers

1,007
citations

361413

20
h-index

477307

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57
all docs

57
docs citations

57
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone volume in the distal calcaneus correlates with body size but not leap frequency in galagids. American Journal of Biological Anthropology, 2022, 177, 27.	1.1	0
2	A geometric morphometric approach to investigate primate proximal phalanx diaphysis shape. American Journal of Biological Anthropology, 2022, 177, 581-602.	1.1	4
3	A new genus of treeshrew and other micromammals from the middle Miocene hominoid locality of Ramnagar, Udhampur District, Jammu and Kashmir, India. Journal of Paleontology, 2022, 96, 1318-1335.	0.8	3
4	Morphological analysis of new Dryas Monkey specimens from the Central Congo Basin: Taxonomic considerations and an emended diagnosis. American Journal of Physical Anthropology, 2021, 176, 361-389.	2.1	4
5	Homo naledi pollical metacarpal shaft morphology is distinctive and intermediate between that of australopiths and other members of the genus Homo. Journal of Human Evolution, 2021, 158, 103048.	2.6	5
6	Evolutionary trends of the lateral foot in catarrhine primates: Contextualizing the fourth metatarsal of Australopithecus afarensis. Journal of Human Evolution, 2021, 161, 103078.	2.6	1
7	Calcaneal elongation and bone strength in leaping galagids. American Journal of Physical Anthropology, 2020, 171, 430-438.	2.1	1
8	New Middle Miocene Ape (Primates: Hylobatidae) from Ramnagar, India fills major gaps in the hominoid fossil record. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201655.	2.6	12
9	Phalangeal curvature in a chimpanzee raised like a human: Implications for inferring arboreality in fossil hominins. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11223-11225.	7.1	14
10	Strength properties of extant hominoid hallucal and pollical metapodials. Journal of Human Evolution, 2020, 143, 102774.	2.6	7
11	Evaluation of Articular Surface Similarity of Hemi-Hamate Grafts and Proximal Middle Phalanx Morphology: A 3D Geometric Morphometric Approach. Journal of Hand Surgery, 2019, 44, 121-128.	1.6	9
12	Histovariability in human clavicular cortical bone microstructure and its mechanical implications. Journal of Anatomy, 2019, 235, 873-882.	1.5	5
13	New Sivapithecus specimen from Ramnagar (Jammu and Kashmir), India and a taxonomic revision of Ramnagar hominoids. Journal of Human Evolution, 2019, 135, 102665.	2.6	3
14	A novel approach to resolving the brachial index issue of A.L. 288a-1 (AeLucy) using 3D computer models of hominid forelimb bones. FASEB Journal, 2019, 33, 613.9.	0.5	0
15	Subchondral Bone Radiodensity Patterns in the Glenoid Fossa of Ape and Human Scapulae. Anatomical Record, 2018, 301, 776-785.	1.4	1
16	Ontogeny of hallucal metatarsal rigidity and shape in the rhesus monkey (<i>Macaca mulatta</i>) and chimpanzee (<i>Pan troglodytes</i>). Journal of Anatomy, 2018, 232, 39-53.	1.5	13
17	Inter-ray variation in metatarsal strength properties in humans and African apes: Implications for inferring bipedal biomechanics in the Olduvai Hominid 8 foot. Journal of Human Evolution, 2018, 121, 147-165.	2.6	13
18	Evolution and function of the hominin forefoot. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8746-8751.	7.1	30

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19	Adaptation to bipedal gait and fifth metatarsal structural properties in Australopithecus , Paranthropus , and Homo. Comptes Rendus - Palevol, 2017, 16, 585-599.	0.2	23
20	Catarrhine hallucal metatarsals from the early Miocene site of Songhor, Kenya. Journal of Human Evolution, 2017, 108, 176-198.	2.6	11
21	New sivaladapid primate from Lower Siwalik deposits surrounding Ramnagar (Jammu and Kashmir) Tj ETQq1 1 0.784314 rgBT /Overlo	2.6	12
22	Sexual Dimorphism in Bones of the Thenar and Hypothenar Aspects of the Hand. FASEB Journal, 2017, 31, 393.5.	0.5	0
23	The locomotion of <i>Babakotia radofilai</i> inferred from epiphyseal and diaphyseal morphology of the humerus and femur. Journal of Morphology, 2016, 277, 1199-1218.	1.2	21
24	Morphological Diversity in the Digital Rays of Primate Hands. Developments in Primatology, 2016, , 55-100.	0.1	19
25	Trabecular architecture in the StW 352 fossil hominin calcaneus. Journal of Human Evolution, 2016, 97, 145-158.	2.6	37
26	Mouse hallucal metatarsal cross-sectional geometry in a simulated fine branch niche. Journal of Morphology, 2015, 276, 759-765.	1.2	12
27	Functional morphology of the hallucal metatarsal with implications for inferring grasping ability in extinct primates. American Journal of Physical Anthropology, 2015, 156, 327-348.	2.1	19
28	Electromyography of crural and pedal muscles in tufted capuchin monkeys (<i>Sapajus apella</i>): Implications for hallucal grasping behavior and first metatarsal morphology in euprimates. American Journal of Physical Anthropology, 2015, 156, 553-564.	2.1	9
29	Functional aspects of metatarsal head shape in humans, apes, and Old World monkeys. Journal of Human Evolution, 2015, 86, 136-146.	2.6	20
30	Distinct functional roles of primate grasping hands and feet during arboreal quadrupedal locomotion. Journal of Human Evolution, 2015, 88, 79-84.	2.6	27
31	Exploring Phylogenetic and Functional Signals in Complex Morphologies: The Hamate of Extant Anthropoids as a Test Case Study. Anatomical Record, 2015, 298, 212-229.	1.4	31
32	Geometric properties and comparative biomechanics of Homo floresiensis mandibles. Journal of Human Evolution, 2014, 86, 36-46.	2.6	10
33	Humeral Cross-Sectional Shape in Suspensory Primates and Sloths. Anatomical Record, 2013, 296, 545-556.	1.4	38
34	A resampling approach and implications for estimating the phalangeal index from unassociated hand bones in fossil primates. American Journal of Physical Anthropology, 2013, 151, 280-289.	2.1	7
35	Humeral Cross-Sectional Shape in Suspensory Primates and Sloths. Anatomical Record, 2013, 296, C1-C1.	1.4	0
36	Joint Loads in Marsupial Ankles Reflect Habitual Bipedalism versus Quadrupedalism. PLoS ONE, 2013, 8, e58811.	2.5	11

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37	Ontogenetic Scaling of Fore- and Hind Limb Posture in Wild Chacma Baboons (<i>Papio hamadryas</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	2.5	16
38	Cross-sectional geometry of chimpanzee (<i>Pan troglodytes</i>) finger bones is correlated with habitual load bearing of individual digits during knuckle-walking. <i>FASEB Journal</i> , 2013, 27, 744.2.	0.5	0
39	Morphological Plasticity in the Mouse Hallucal Metatarsal. <i>FASEB Journal</i> , 2013, 27, 747.7.	0.5	0
40	Electromyography of wrist and finger flexor muscles in olive baboons (<i>Papio anubis</i>). <i>Journal of Experimental Biology</i> , 2012, 215, 115-123.	1.7	18
41	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.	2.6	20
42	Metatarsal fusion pattern and developmental morphology of the Olduvai Hominid 8 foot: Evidence of adolescence. <i>Journal of Human Evolution</i> , 2011, 60, 58-69.	2.6	14
43	The interplay between speed, kinetics, and hand postures during primate terrestrial locomotion. <i>American Journal of Physical Anthropology</i> , 2010, 141, 222-234.	2.1	37
44	Distal Forelimb Kinematics in <i>Erythrocebus patas</i> and <i>Papio anubis</i> During Walking and Galloping. <i>International Journal of Primatology</i> , 2010, 31, 191-207.	1.9	25
45	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.	2.6	66
46	Functional morphology of cercopithecoid primate metacarpals. <i>Journal of Human Evolution</i> , 2010, 58, 320-337.	2.6	38
47	Apparent density of the primate calcaneocuboid joint and its association with locomotor mode, foot posture, and the midtarsal break. <i>American Journal of Physical Anthropology</i> , 2010, 142, 180-193.	2.1	22
48	Dynamic Pressure Patterns in the Hands of Olive Baboons (<i>Papio anubis</i>) During Terrestrial Locomotion: Implications for Cercopithecoid Primate Hand Morphology. <i>Anatomical Record</i> , 2010, 293, 710-718.	1.4	45
49	Comparative functional morphology of the primate peroneal process. <i>Journal of Human Evolution</i> , 2009, 57, 721-731.	2.6	15
50	Terrestrial adaptations in the hands of <i>Equatorius africanus</i> revisited. <i>Journal of Human Evolution</i> , 2009, 57, 763-772.	2.6	36
51	Not so fast: Speed effects on forelimb kinematics in cercopithecine monkeys and implications for digitigrade postures in primates. <i>American Journal of Physical Anthropology</i> , 2009, 140, 92-112.	2.1	42
52	Comparative functional morphology in primates. <i>Evolutionary Anthropology</i> , 2008, 17, 243-244.	3.4	0
53	Apparent density patterns in subchondral bone of the sloth and anteater forelimb. <i>Biology Letters</i> , 2008, 4, 486-489.	2.3	24
54	Bone density spatial patterns in the distal radius reflect habitual hand postures adopted by quadrupedal primates. <i>Journal of Human Evolution</i> , 2007, 52, 130-141.	2.6	36

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55	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.	2.6	42
56	Habitual use of the primate forelimb is reflected in the material properties of subchondral bone in the distal radius. <i>Journal of Anatomy</i> , 2006, 208, 659-670.	1.5	46
57	The hominoid proximal radius: re-interpreting locomotor behaviors in early hominins. <i>Journal of Human Evolution</i> , 2005, 48, 415-432.	2.6	33