

# Anusuya Chinsamy

## List of Publications by Year in descending order

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102  
papers

3,415  
citations

126708

33  
h-index

174990

52  
g-index

105  
all docs

105  
docs citations

105  
times ranked

1670  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sauropod dinosaur embryos from the Late Cretaceous of Patagonia. <i>Nature</i> , 1998, 396, 258-261.	13.7	223
2	Bone microstructure and developmental plasticity in birds and other dinosaurs. <i>Journal of Morphology</i> , 2002, 254, 232-246.	0.6	205
3	A new transitional sauropodomorph dinosaur from the Early Jurassic of South Africa and the evolution of sauropod feeding and quadrupedalism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 787-794.	1.2	112
4	Mesozoic avian bone microstructure: physiological implications. <i>Paleobiology</i> , 1995, 21, 561-574.	1.3	103
5	New evidence for the lack of C4 grassland expansions during the early Pliocene at Langebaanweg, South Africa. <i>Paleobiology</i> , 2002, 28, 378-388.	1.3	88
6	Evolution of growth pattern in birds. <i>Nature</i> , 2001, 412, 402-403.	13.7	84
7	Ontogenetic Changes in the Bone Histology of the Late Jurassic Ornithomimid <i>Dryosaurus lettowvorbecki</i> . <i>Journal of Vertebrate Paleontology</i> , 1995, 15, 96-104.	0.4	77
8	Bone histology and growth patterns of some nonmammalian therapsids. <i>Journal of Vertebrate Paleontology</i> , 2004, 24, 634-648.	0.4	77
9	Gender identification of the Mesozoic bird <i>Confuciusornis sanctus</i> . <i>Nature Communications</i> , 2013, 4, 1381.	5.8	77
10	Bone microstructure of the diving <i>Hesperornis</i> and the volant <i>Ichthyornis</i> from the Niobrara Chalk of western Kansas. <i>Cretaceous Research</i> , 1998, 19, 225-235.	0.6	76
11	Growth rings in Mesozoic birds. <i>Nature</i> , 1994, 368, 196-197.	13.7	69
12	Polar dinosaur bone histology. <i>Journal of Vertebrate Paleontology</i> , 1998, 18, 385-390.	0.4	68
13	LYSTROSAURUS MURRAYI (THERAPSIDA, DICYNODONTIA): BONE HISTOLOGY, GROWTH AND LIFESTYLE ADAPTATIONS. <i>Palaeontology</i> , 2005, 48, 1169-1185.	1.0	68
14	A new coelurosaurian dinosaur from the Early Cretaceous of South Africa. <i>Journal of Vertebrate Paleontology</i> , 2000, 20, 324-332.	0.4	65
15	Mechanics of cranial sutures using the finite element method. <i>Journal of Biomechanics</i> , 2010, 43, 3104-3111.	0.9	63
16	Variation of the Outer Circumferential Layer in the Limb Bones of Birds. <i>Acta Ornithologica</i> , 2004, 39, 137-140.	0.1	61
17	Growth patterns deduced from the bone histology of the cynodonts <i>Diademodon</i> and <i>Cynognathus</i> . <i>Journal of Vertebrate Paleontology</i> , 2001, 20, 705-711.	0.4	60
18	A new raptorial dinosaur with exceptionally long feathering provides insights into dromaeosaurid flight performance. <i>Nature Communications</i> , 2014, 5, 4382.	5.8	59

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19	GROWTH PATTERNS OF THRINAXODON LIORHINUS, A NON-MAMMALIAN CYNODONT FROM THE LOWER TRIASSIC OF SOUTH AFRICA. <i>Palaeontology</i> , 2005, 48, 385-394.	1.0	57
20	Novel insight into the origin of the growth dynamics of sauropod dinosaurs. <i>PLoS ONE</i> , 2017, 12, e0179707.	1.1	57
21	Functional aspects of the postcranial anatomy of the Permian dicynodont <i>Diictodon</i> and their ecological implications. <i>Palaeontology</i> , 2003, 46, 151-183.	1.0	56
22	<i>Diictodon feliceps</i> (Therapsida, Dicynodontia): bone histology, growth, and biomechanics. <i>Journal of Vertebrate Paleontology</i> , 2004, 24, 180-194.	0.4	56
23	Hadrosaurs Were Perennial Polar Residents. <i>Anatomical Record</i> , 2012, 295, 610-614.	0.8	55
24	Pathologic Bone Tissues in a Turkey Vulture and a Nonavian Dinosaur: Implications for Interpreting Endosteal Bone and Radial Fibrolamellar Bone in Fossil Dinosaurs. <i>Anatomical Record</i> , 2009, 292, 1478-1484.	0.8	51
25	Palaeobiological Implications of the Bone Histology of <i>Pterodaustro guinazui</i> . <i>Anatomical Record</i> , 2009, 292, 1462-1477.	0.8	47
26	A new basal sauropodiform from South Africa and the phylogenetic relationships of basal sauropodomorphs. <i>Zoological Journal of the Linnean Society</i> , 2015, 174, 589-634.	1.0	45
27	A subadult specimen of the Early Cretaceous bird <i>Sapeornis chaoyangensis</i> and a taxonomic reassessment of sapeornithids. <i>Journal of Vertebrate Paleontology</i> , 2012, 32, 1103-1112.	0.4	42
28	Long bone histology of the subterranean rodent <i>Bathyergus suillus</i> (Bathyergidae): ontogenetic pattern of cortical bone thickening. <i>Journal of Anatomy</i> , 2017, 230, 203-233.	0.9	42
29	Physiology of Nonavian Dinosaurs. , 2004, , 643-659.		42
30	A large bird from the Early Cretaceous of China: new information on the skull of enantiornithines. <i>Journal of Vertebrate Paleontology</i> , 2013, 33, 1176-1189.	0.4	41
31	Developmental growth patterns of the filter-feeder pterosaur, <i>Pterodaustro guinazui</i> . <i>Biology Letters</i> , 2008, 4, 282-285.	1.0	38
32	Insights from stable light isotopes on enamel defects and weaning in Pliocene herbivores. <i>Journal of Biosciences</i> , 2003, 28, 765-773.	0.5	37
33	A new Jurassic theropod from China documents a transitional step in the macrostructure of feathers. <i>Die Naturwissenschaften</i> , 2017, 104, 74.	0.6	37
34	Growth Dynamics of Australia's Polar Dinosaurs. <i>PLoS ONE</i> , 2011, 6, e23339.	1.1	36
35	Biological implications of the bone microstructure of the Late Cretaceous Ornithomimid Dinosaur <i>Gasparinisaura cincosaltensis</i> . <i>Journal of Vertebrate Paleontology</i> , 2012, 32, 355-368.	0.4	35
36	New insights into the biology of the Permian genus <i>Cistecephalus</i> (Therapsida, Dicynodontia). <i>Journal of Vertebrate Paleontology</i> , 2012, 32, 1396-1410.	0.4	35

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37	Comparative Feeding Biomechanics of <i>Lystrosaurus</i> and the Generalized Dicynodont <i>Oudenodon</i> . <i>Anatomical Record</i> , 2009, 292, 862-874.	0.8	33
38	High prevalence of enamel hypoplasia in an early Pliocene giraffid ( <i>Sivatherium hendeyi</i> ) from South Africa. <i>Journal of Vertebrate Paleontology</i> , 2004, 24, 235-244.	0.4	31
39	Functional implications of dicynodont cranial suture morphology. <i>Journal of Morphology</i> , 2010, 271, 705-728.	0.6	31
40	Osteohistology and Life History of the Basal Pygostylian, <i>Confuciusornis sanctus</i> . <i>Anatomical Record</i> , 2020, 303, 949-962.	0.8	29
41	Dinosaur Bone Histology: Implications and Inferences. <i>The Paleontological Society Special Publications</i> , 1994, 7, 213-228.	0.0	28
42	Osteohistological insight into the early stages of growth in <i>Mussaurus patagonicus</i> (Dinosauria, Sauropodomorpha). <i>Historical Biology</i> , 2014, 26, 110-121.	0.7	28
43	ACCEPTING EVOLUTION. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 248-254.	1.1	27
44	Non-traumatic bone infection in stegosaurs from Como Bluff, Wyoming. <i>Lethaia</i> , 2015, 48, 47-55.	0.6	27
45	Unusual Endosteally Formed Bone Tissue in a Patagonian Basal Sauropodomorph Dinosaur. <i>Anatomical Record</i> , 2014, 297, 1385-1391.	0.8	26
46	Bone histology yields insights into the biology of the extinct elephant birds (Aepyornithidae) from Madagascar. <i>Biological Journal of the Linnean Society</i> , 2020, 130, 268-295.	0.7	25
47	Bone Microstructure of the Stereospondyl <i>Lydekkerina Huxleyi</i> Reveals Adaptive Strategies to the Harsh Post Permian Extinction Environment. <i>Anatomical Record</i> , 2015, 298, 1237-1254.	0.8	24
48	Vascularised endosteal bone tissue in armoured sauropod dinosaurs. <i>Scientific Reports</i> , 2016, 6, 24858.	1.6	24
49	Anatomical and landmark morphometric analysis of fossil phocid seal remains from Langebaanweg, West Coast of South Africa. <i>Transactions of the Royal Society of South Africa</i> , 2012, 67, 135-149.	0.8	23
50	Constant strain rate compression of bovine cortical bone on the Split-Hopkinson Pressure Bar. <i>Materials Science and Engineering C</i> , 2015, 46, 443-449.	3.8	23
51	Sexual dimorphism in the late Miocene mihirung <i>Dromornis stirtoni</i> (Aves: Dromornithidae) from the Alcoota Local Fauna of central Australia. <i>Journal of Vertebrate Paleontology</i> , 2016, 36, e1180298.	0.4	23
52	A new titanosaur from the Lower Cretaceous of Brazil. <i>Cretaceous Research</i> , 2016, 67, 16-24.	0.6	22
53	Pterodaustro's true teeth. <i>Nature</i> , 1996, 379, 211-212.	13.7	21
54	Mandibular histology and growth of the nonmammaliaform cynodont <i>Tritylodon</i> . <i>Journal of Anatomy</i> , 2012, 220, 564-579.	0.9	21

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55	The palaeoecology of the non-mammalian cynodonts <i>Diademodon</i> and <i>Cynognathus</i> from the Karoo Basin of South Africa, using stable light isotope analysis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 223, 303-316.	1.0	19
56	Skeletochronological Assessment of Age in <i>Angolosaurus skoogi</i> , a Cordylid Lizard Living in an Aseasonal Environment. <i>Journal of Herpetology</i> , 1995, 29, 457.	0.2	18
57	Mechanics of the scarf premaxilla-nasal suture in the snout of <i>Lystrosaurus</i> . <i>Journal of Vertebrate Paleontology</i> , 2010, 30, 1283-1288.	0.4	17
58	Bone growth patterns in two cordylid lizards, <i>Cordylus cataphractus</i> and <i>Pseudocordylus capensis</i> . <i>African Zoology</i> , 2005, 40, 1-7.	0.2	16
59	Ontogenetic Changes in the Epiphyseal Cartilage of <i>Rana (Pelophylax) caralitana</i> (Anura). <i>TJ ETQq1 1 0.784314 rgBT /Overlock</i>	0.8	16
60	Insight into the growth dynamics and systematic affinities of the Late Cretaceous <i>Gargantuavis</i> from bone microstructure. <i>Die Naturwissenschaften</i> , 2014, 101, 447-452.	0.6	16
61	Postnatal development of the largest subterranean mammal ( <i>Bathyergus suillus</i> ): Morphology, osteogenesis, and modularity of the appendicular skeleton. <i>Developmental Dynamics</i> , 2019, 248, 1101-1128.	0.8	16
62	Pathologies in the Early Pliocene phocid seals from Langebaanweg, South Africa. <i>South African Journal of Science</i> , 2011, 107, .	0.3	15
63	Ontogenetic growth and the development of a unique fibrocartilage entheses in <i>Macropus fuliginosus</i> . <i>Zoology</i> , 2021, 144, 125860.	0.6	15
64	New Comparative Data on the Long Bone Microstructure of Large Extant and Extinct Flightless Birds. <i>Diversity</i> , 2022, 14, 298.	0.7	15
65	Bone Histology of the Stegosaur <i>Kentrosaurus aethiopicus</i> (Ornithischia: Thyreophora) from the Upper Jurassic of Tanzania. <i>Anatomical Record</i> , 2013, 296, 933-952.	0.8	14
66	Insights into the habitat of Middle Permian pareiasaurs (Parareptilia) from preliminary isotopic analyses. <i>Lethaia</i> , 2014, 47, 266-274.	0.6	14
67	Bone Microstructure of Pareiasaurs (Parareptilia) from the Karoo Basin, South Africa: Implications for Growth Strategies and Lifestyle Habits. <i>Anatomical Record</i> , 2017, 300, 1039-1066.	0.8	14
68	Cortical bone adaptation and mineral mobilization in the subterranean mammal <i>Bathyergus suillus</i> (Rodentia: Bathyergidae): effects of age and sex. <i>PeerJ</i> , 2018, 6, e4944.	0.9	14
69	Near Infrared Analysis of Fossil Bone from the Western Cape of South Africa. <i>Journal of Near Infrared Spectroscopy</i> , 2011, 19, 151-159.	0.8	13
70	Cretaceous origins of the vibrotactile bill-tip organ in birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20202322.	1.2	13
71	Long bone histomorphogenesis of the naked mole-rat: Histodiversity and intraspecific variation. <i>Journal of Anatomy</i> , 2021, 238, 1259-1283.	0.9	13
72	Chemometric analysis of EDXRF measurements from fossil bone. <i>X-Ray Spectrometry</i> , 2011, 40, 441-445.	0.9	12

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73	DEPOSITIONAL ENVIRONMENT AND BONE DIAGENESIS OF THE MIO/PLIOCENE LANGEBAANWEG BONEBED, SOUTH AFRICA. South African Journal of Geology, 2013, 116, 241-258.	0.6	12
74	Properties and architecture of the sperm whale skull amphitheatre. Zoology, 2016, 119, 42-51.	0.6	12
75	Long bone histology of <i>Chersina angulata</i> : Interelement variation and life history data. Journal of Morphology, 2019, 280, 1881-1899.	0.6	12
76	Anatomical Plasticity in the Snout of <i>Lystrosaurus</i> . Vertebrate Paleobiology and Paleoanthropology, 2014, , 139-149.	0.1	12
77	A theropod tooth from the Late Triassic of southern Africa. Journal of Biosciences, 2002, 27, 295-298.	0.5	11
78	Palaeobiology of the Cretaceous bird <i>Confuciusornis</i> : a comment on Peters & Peters (2009). Biology Letters, 2010, 6, 529-530.	1.0	11
79	EARLY PLIOCENE (5 MA) SHARK-CETACEAN TROPHIC INTERACTION FROM LANGEBAANWEG, WESTERN COAST OF SOUTH AFRICA. Palaios, 2013, 28, 270-277.	0.6	11
80	A late Miocene–early Pliocene baleen whale assemblage from Langebaanweg, west coast of South Africa (Mammalia, Cetacea, Mysticeti). Alcheringa, 2016, 40, 542-555.	0.5	11
81	The Long Bone Histology of the Sauropodomorph, <i>Antetonitrus ingenipes</i> . Anatomical Record, 2018, 301, 1506-1518.	0.8	11
82	Bone remodeling in the longest living rodent, the naked mole-rat: Interelement variation and the effects of reproduction. Journal of Anatomy, 2021, 239, 81-100.	0.9	11
83	Insular adaptations in the astragalus-calcaneus of Sicilian and Maltese dwarf elephants. Quaternary International, 2016, 406, 111-122.	0.7	10
84	A new baby oviraptorid dinosaur (Dinosauria: Theropoda) from the Upper Cretaceous Nemegt Formation of Mongolia. PLoS ONE, 2019, 14, e0210867.	1.1	10
85	Fossorial adaptations in African mole-rats (Bathyergidae) and the unique appendicular phenotype of naked mole-rats. Communications Biology, 2022, 5, .	2.0	10
86	Osteomyelitis in a 265-million-year-old titanosuchid (Dinocephalia, Therapsida). Historical Biology, 2019, 31, 1093-1096.	0.7	9
87	Sex and Ontogenetic Variation in the Crest of <i>Numida meleagris</i> : Implications for Crested Vertebrates. Anatomical Record, 2020, 303, 1018-1034.	0.8	9
88	Bone histology, palaeobiology, and early diagenetic history of extinct equids from Turkey. Quaternary Research, 2021, 100, 240-259.	1.0	9
89	Dental microstructure and geochemistry of <i>Mosasaurus hoffmanni</i> (Squamata: Mosasauridae) from the Late Cretaceous of Turkey. Bulletin - Societe Geologique De France, 2012, 183, 85-92.	0.9	8
90	Mineralized-tissue histology reveals protracted life history in the Pliocene three-toed horse from Langebaanweg (South Africa). Zoological Journal of the Linnean Society, 2022, 196, 1117-1137.	1.0	8

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91	Chemical investigation of mineralisation categories used to assess taphonomy. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 361-362, 104-110.	1.0	7
92	Sex and old bones?. <i>Journal of Vertebrate Paleontology</i> , 1997, 17, 450-450.	0.4	6
93	Microanatomy and histology of bone pathologies of extant and extinct phocid seals. <i>Historical Biology</i> , 2021, 33, 1231-1246.	0.7	6
94	Palaeobiological implications of the osteohistology of a basal sauropodomorph dinosaur from South Africa. <i>Historical Biology</i> , 2021, 33, 2865-2877.	0.7	5
95	The postcranial anatomy of <i>Endothiodon bathystoma</i> (Anomodontia, Therapsida). <i>Historical Biology</i> , 2021, 33, 1066-1088.	0.7	4
96	Histovariability and Palaeobiological Implications of the Bone Histology of the Dromornithid, <i>Genyornis newtoni</i> . <i>Diversity</i> , 2021, 13, 219.	0.7	4
97	Small, immature pterosaurs from the Cretaceous of Africa: implications for taphonomic bias and palaeocommunity structure in flying reptiles. <i>Cretaceous Research</i> , 2022, 130, 105061.	0.6	4
98	Evidence of a therapsid scavenger in the Late Permian Karoo Basin, South Africa. <i>South African Journal of Science</i> , 2012, 108, .	0.3	3
99	Histological investigation of burnt bones: A case study of angulate tortoises from the archaeological site, Diepkloof Rock Shelter, Western Cape, South Africa. <i>International Journal of Osteoarchaeology</i> , 0, , .	0.6	3
100	Bone histology of dinocephalians (Therapsida, Dinocephalia): palaeobiological and palaeoecological inferences. <i>Papers in Palaeontology</i> , 2022, 8, .	0.7	2
101	Developmental Plasticity in the Ossification of the Proximal Femur of <i>Heterocephalus glaber</i> (Bathyergidae, Rodentia). <i>Journal of Mammalian Evolution</i> , 0, , 1.	1.0	2
102	Inter-element variation in the bone histology of <i>Anteosaurus</i> (Dinocephalia, Anteosauridae) from the Tapinocephalus Assemblage Zone of the Karoo Basin of South Africa. <i>PeerJ</i> , 2021, 9, e12082.	0.9	1