

# Nathan S Jeffery

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

2,182  
citations

236612

25  
h-index

243296

44  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2379  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prenatal growth and development of the modern human labyrinth. <i>Journal of Anatomy</i> , 2004, 204, 71-92.	0.9	173
2	Micro-computed tomography with iodine staining resolves the arrangement of muscle fibres. <i>Journal of Biomechanics</i> , 2011, 44, 189-192.	0.9	170
3	Functional Evolution of the Feeding System in Rodents. <i>PLoS ONE</i> , 2012, 7, e36299.	1.1	146
4	Concentration-dependent specimen shrinkage in iodine-enhanced micro-CT. <i>Journal of Anatomy</i> , 2013, 223, 185-193.	0.9	142
5	Reviewing the Morphology of the Jaw-Closing Musculature in Squirrels, Rats, and Guinea Pigs with Contrast-Enhanced MicroCt. <i>Anatomical Record</i> , 2011, 294, 915-928.	0.8	127
6	A retinal code for motion along the gravitational and body axes. <i>Nature</i> , 2017, 546, 492-497.	13.7	122
7	Brain size and the human cranial base: A prenatal perspective. <i>American Journal of Physical Anthropology</i> , 2002, 118, 324-340.	2.1	105
8	Open data and digital morphology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170194.	1.2	103
9	Contrast Enhanced Micro-Computed Tomography Resolves the 3-Dimensional Morphology of the Cardiac Conduction System in Mammalian Hearts. <i>PLoS ONE</i> , 2012, 7, e35299.	1.1	92
10	The morphology of the mouse masticatory musculature. <i>Journal of Anatomy</i> , 2013, 223, 46-60.	0.9	85
11	Finite element modelling of squirrel, guinea pig and rat skulls: using geometric morphometrics to assess sensitivity. <i>Journal of Anatomy</i> , 2011, 219, 696-709.	0.9	82
12	Using diagnostic radiology in human evolutionary studies. <i>Journal of Anatomy</i> , 2000, 197, 61-76.	0.9	79
13	Semicircular canals and agility: the influence of size and shape measures. <i>Journal of Anatomy</i> , 2010, 216, 37-47.	0.9	69
14	Ossification and midline shape changes of the human fetal cranial base. <i>American Journal of Physical Anthropology</i> , 2004, 123, 78-90.	2.1	60
15	Differential regional brain growth and rotation of the prenatal human tentorium cerebelli. <i>Journal of Anatomy</i> , 2002, 200, 135-144.	0.9	51
16	Brain expansion and comparative prenatal ontogeny of the non-hominoid primate cranial base. <i>Journal of Human Evolution</i> , 2003, 45, 263-284.	1.3	48
17	Craniofacial growth in fetal <i>Tarsius bancanus</i> : brains, eyes and nasal septa. <i>Journal of Anatomy</i> , 2007, 210, 703-722.	0.9	39
18	A high-resolution MRI study of linear growth of the human fetal skull base. <i>Neuroradiology</i> , 2002, 44, 358-366.	1.1	36

#	ARTICLE	IF	CITATIONS
19	Early Trabecular Development in Human Vertebrae: Overproduction, Constructive Regression, and Refinement. <i>Frontiers in Endocrinology</i> , 2015, 6, 67.	1.5	35
20	Developmental response to cold stress in cranial morphology of <i>Rattus</i> : implications for the interpretation of climatic adaptation in fossil hominins. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2605-2610.	1.2	34
21	Experimental proof that multivariate patterns among muscle attachments (entheses) can reflect repetitive muscle use. <i>Scientific Reports</i> , 2019, 9, 16577.	1.6	32
22	Cranial base angulation and growth of the human fetal pharynx. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2005, 284A, 491-499.	2.0	30
23	The primate subarcuate fossa and its relationship to the semicircular canals part II: Adult interspecific variation. <i>Journal of Human Evolution</i> , 2008, 55, 326-339.	1.3	30
24	The primate subarcuate fossa and its relationship to the semicircular canals part I: prenatal growth. <i>Journal of Human Evolution</i> , 2006, 51, 537-549.	1.3	28
25	On fragmenting, densely mineralised acellular protrusions into articular cartilage and their possible role in osteoarthritis. <i>Journal of Anatomy</i> , 2014, 225, 436-446.	0.9	27
26	Geometry of the semicircular canals and extraocular muscles in rodents, lagomorphs, felids and modern humans. <i>Journal of Anatomy</i> , 2008, 213, 583-596.	0.9	26
27	Finite element analysis of stress in the equine proximal phalanx. <i>Equine Veterinary Journal</i> , 2013, 45, 273-277.	0.9	25
28	Morphological and histological adaptation of muscle and bone to loading induced by repetitive activation of muscle. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140786.	1.2	23
29	The muscles of mastication in rodents and the function of the medial pterygoid. , 0, , 350-372.		20
30	Scaling and Accommodation of Jaw Adductor Muscles in Canidae. <i>Anatomical Record</i> , 2016, 299, 951-966.	0.8	19
31	Morphological Plasticity in the Juvenile Talus. <i>Foot and Ankle Surgery</i> , 2006, 12, 139-147.	0.8	17
32	Sertoli cell androgen receptor signalling in adulthood is essential for post-meiotic germ cell development. <i>Molecular Reproduction and Development</i> , 2015, 82, 626-627.	1.0	17
33	Morphology of the mammalian vestibulo-ocular reflex: The spatial arrangement of the human fetal semicircular canals and extraocular muscles. <i>Journal of Morphology</i> , 2007, 268, 878-890.	0.6	14
34	Do agility and skull architecture influence the geometry of the mammalian vestibulo-ocular reflex?. <i>Journal of Anatomy</i> , 2010, 216, 496-509.	0.9	14
35	Functional morphology of the jaw adductor muscles in the Canidae. <i>Anatomical Record</i> , 2020, 303, 2878-2903.	0.8	11
36	Does subchondral bone of the equine proximal phalanx adapt to race training?. <i>Journal of Anatomy</i> , 2016, 229, 104-113.	0.9	10

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37	Morphological divergence in giant fossil dormice. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20202085.	1.2	8
38	Endocranial and masticatory muscle volumes in myostatin-deficient mice. <i>Royal Society Open Science</i> , 2014, 1, 140187.	1.1	7
39	Relationship of transcriptional markers to Leydig cell number in the mouse testis. <i>PLoS ONE</i> , 2019, 14, e0219524.	1.1	6
40	A comparison of in vivo viral targeting systems identifies adeno-associated virus serotype 9 (AAV9) as an effective vector for genetic manipulation of Leydig cells in adult mice. <i>Andrology</i> , 2021, 9, 460-473.	1.9	6
41	An unusual example of hereditary multiple exostoses: a case report and review of the literature. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 96.	0.8	4
42	Morphometric appraisal of the skull of Caroline Crachami, the Sicilian 'dwarf' 1815?-1824: A contribution to the study of primordial microcephalic dwarfism. <i>American Journal of Medical Genetics Part A</i> , 2002, 111, 260-270.	2.4	3
43	A human craniofacial life-course: Cross-sectional morphological covariations during postnatal growth, adolescence, and aging. <i>Anatomical Record</i> , 2022, 305, 81-99.	0.8	3
44	Ontogenetic and <i>in silico</i> models of spatial packing in the hypermuscular mouse skull. <i>Journal of Anatomy</i> , 2021, 238, 1284-1295.	0.9	2
45	Human semicircular canal form: Ontogenetic changes and variation of shape and size. <i>Journal of Anatomy</i> , 2021, , .	0.9	2
46	Reviewing the Morphology of the Jaw-Closing Musculature in Squirrels, Rats, and Guinea Pigs with Contrast-Enhanced MicroCt. <i>Anatomical Record</i> , 2011, 294, spc1-spc1.	0.8	0
47	21...Contrast Enhanced Micro-Computed Tomography Resolves the 3-Dimensional Morphology of the Cardiac Conduction System in Mammalian Hearts. <i>Heart</i> , 2012, 98, A7.1-A7.	1.2	0