

# Timothy D Smith

## List of Publications by Year in descending order

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122  
papers

3,168  
citations

101543

36  
h-index

189892

50  
g-index

132  
all docs

132  
docs citations

132  
times ranked

1150  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nasal Fossa of Mouse and Dwarf Lemurs (Primates, Cheirogaleidae). <i>Anatomical Record</i> , 2008, 291, 895-915.	1.4	119
2	Microsmatic primates: Reconsidering how and when size matters. <i>The Anatomical Record</i> , 2004, 279B, 24-31.	1.8	116
3	Evolution of the nose and nasal skeleton in primates. <i>Evolutionary Anthropology</i> , 2007, 16, 132-146.	3.4	107
4	Tour of a Labyrinth: Exploring the Vertebrate Nose. <i>Anatomical Record</i> , 2014, 297, 1975-1984.	1.4	92
5	Mapping the Nasal Airways: Using Histology to Enhance CT-Based Three-Dimensional Reconstruction in <i>Nycticebus</i> . <i>Anatomical Record</i> , 2014, 297, 2113-2120.	1.4	85
6	Primate Olfaction: Anatomy and Evolution. , 0, , 135-166.		80
7	Reappraisal of the vomeronasal system of catarrhine primates: Ontogeny, morphology, functionality, and persisting questions. <i>The Anatomical Record</i> , 2001, 265, 176-192.	1.8	78
8	Distribution of Olfactory and Nonolfactory Surface Area in the Nasal Fossa of <i>Microcebus murinus</i> : Implications for Microcomputed Tomography and Airflow Studies. <i>Anatomical Record</i> , 2011, 294, 1217-1225.	1.4	72
9	Ontogeny and Microanatomy of the Nasal Turbinals in Lemuriformes. <i>Anatomical Record</i> , 2016, 299, 1492-1510.	1.4	70
10	Histological definition of the vomeronasal organ in humans and chimpanzees, with a comparison to other primates. <i>The Anatomical Record</i> , 2002, 267, 166-176.	1.8	69
11	Nasal Morphometry in Marmosets: Loss and Redistribution of Olfactory Surface Area. <i>Anatomical Record</i> , 2014, 297, 2093-2104.	1.4	69
12	The role of the olfactory recess in olfactory airflow. <i>Journal of Experimental Biology</i> , 2014, 217, 1799-803.	1.7	68
13	Comparative histomorphology of intrinsic vibrissa musculature among primates: implications for the evolution of sensory ecology and "face touch". <i>American Journal of Physical Anthropology</i> , 2013, 150, 301-312.	2.1	66
14	Distribution of olfactory epithelium in the primate nasal cavity: Are microsmia and macrosmia valid morphological concepts?. <i>The Anatomical Record</i> , 2004, 281A, 1173-1181.	1.8	63
15	A rabbit model of human familial, nonsyndromic unicoronal suture synostosis II. Intracranial contents, intracranial volume, and intracranial pressure. <i>Child's Nervous System</i> , 1998, 14, 247-255.	1.1	62
16	The human vomeronasal organ. III. Postnatal development from infancy to the ninth decade. <i>Journal of Anatomy</i> , 2001, 199, 289-302.	1.5	61
17	The human vomeronasal organ. Part II: prenatal development. <i>Journal of Anatomy</i> , 2000, 197, 421-436.	1.5	57
18	The Vomeronasal Complex of Nocturnal Strepsirhines and Implications for the Ancestral Condition in Primates. <i>Anatomical Record</i> , 2013, 296, 1881-1894.	1.4	56

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19	The vomeronasal organ of <i>Lemur catta</i> . American Journal of Primatology, 2015, 77, 229-238.	1.7	55
20	Perinatal size and maturation of the olfactory and vomeronasal neuroepithelia in lorisooids and lemuroids. American Journal of Primatology, 2007, 69, 74-85.	1.7	52
21	A rabbit model of human familial, nonsyndromic unicoronal suture synostosis I. Synostotic onset, pathology, and sutural growth patterns. Child's Nervous System, 1998, 14, 236-246.	1.1	50
22	Prenatal growth of the human vomeronasal organ. The Anatomical Record, 1997, 248, 447-455.	1.8	48
23	Ontogeny of the nasolacrimal duct in primates: functional and phylogenetic implications. Journal of Anatomy, 2007, 210, 195-208.	1.5	48
24	The Maxillary Sinus in Three Genera of New World Monkeys: Factors That Constrain Secondary Pneumatization. Anatomical Record, 2010, 293, 91-107.	1.4	47
25	Evolution of the special senses in primates: Past, present, and future. The Anatomical Record, 2004, 281A, 1078-1082.	1.8	46
26	Searching for the vomeronasal organ of adult humans: Preliminary findings on location, structure, and size. , 1998, 41, 483-491.		42
27	Scaling of the first ethmoturbinal in nocturnal strepsirrhines: Olfactory and respiratory surfaces. Anatomical Record, 2007, 290, 215-237.	1.4	42
28	Fate of the Nasal Capsular Cartilages in Prenatal and Perinatal Tamarins ( <i>Saguinus geoffroyi</i> ) and Extent of Secondary Pneumatization of Maxillary and Frontal Sinuses. Anatomical Record, 2008, 291, 1397-1413.	1.4	42
29	Anatomy of the olfactory system. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 164, 17-28.	1.8	42
30	Secondary pneumatization of the maxillary sinus in callitrichid primates: Insights from immunohistochemistry and bone cell distribution. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2005, 285A, 677-689.	2.0	41
31	The Vomeronasal Organ of New World Monkeys (Platyrrhini). Anatomical Record, 2011, 294, 2158-2178.	1.4	41
32	Dental Maturation, Eruption, and Gingival Emergence in the Upper Jaw of Newborn Primates. Anatomical Record, 2015, 298, 2098-2131.	1.4	40
33	Expression of neuron-specific markers by the vomeronasal neuroepithelium in six species of primates. The Anatomical Record, 2004, 281A, 1190-1200.	1.8	39
34	Growth-deficient vomeronasal organs in the naked mole-rat ( <i>Heterocephalus glaber</i> ). Brain Research, 2007, 1132, 78-83.	2.2	39
35	Comparative microcomputed tomography and histological study of maxillary pneumatization in four species of new world monkeys: The perinatal period. American Journal of Physical Anthropology, 2011, 144, 392-410.	2.1	39
36	The Shrinking Anthropoid Nose, the Human Vomeronasal Organ, and the Language of Anatomical Reduction. Anatomical Record, 2014, 297, 2196-2204.	1.4	39

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37	Eye Size at Birth in Prosimian Primates: Life History Correlates and Growth Patterns. PLoS ONE, 2012, 7, e36097.	2.5	38
38	The existence of the vomeronasal organ in postnatal chimpanzees and evidence for its homology with that of humans. Journal of Anatomy, 2001, 198, 77-82.	1.5	36
39	Growth and Development at the Sphenoethmoidal Junction in Perinatal Primates. Anatomical Record, 2017, 300, 2115-2137.	1.4	36
40	Comparative morphology and histochemistry of glands associated with the vomeronasal organ in humans, mouse lemurs, and voles. The Anatomical Record, 2000, 260, 92-101.	1.8	35
41	Comparison of hind limb muscle mass in neonate and adult prosimian primates. Journal of Human Evolution, 2007, 52, 231-242.	2.6	35
42	At Birth, Tarsiers Lack a Postorbital Bar or Septum. Anatomical Record, 2013, 296, 365-377.	1.4	34
43	Brief communication: Histology and micro CT as methods for assessment of facial suture patency. American Journal of Physical Anthropology, 2009, 138, 499-506.	2.1	33
44	A Quantitative Study of Olfactory, Non-Olfactory, and Vomeronasal Epithelia in the Nasal Fossa of the Bat <i>Megaderma lyra</i> . Journal of Mammalian Evolution, 2012, 19, 27-41.	1.8	30
45	Mapping bone cell distributions to assess ontogenetic origin of primate midfacial form. American Journal of Physical Anthropology, 2014, 154, 424-435.	2.1	30
46	Microanatomical Variation of the Nasal Capsular Cartilage in Newborn Primates. Anatomical Record, 2012, 295, 950-960.	1.4	27
47	Ontogeny of the nasopalatine duct in primates. The Anatomical Record, 2003, 274A, 862-869.	1.8	26
48	The Human Vomeronasal Organ: Part IV. Incidence, Topography, Endoscopy, and Ultrastructure of the Nasopalatine Recess, Nasopalatine Fossa, and Vomeronasal Organ. American Journal of Rhinology & Allergy, 2002, 16, 343-350.	2.2	24
49	The vomeronasal organ of greater bushbabies ( <i>Otolemur</i> spp.): Species, sex, and age differences. Journal of Neurocytology, 2005, 34, 135-147.	1.5	24
50	Ontogeny of the Postorbital Region in Tarsiers and Other Primates. Anatomical Record, 2016, 299, 1631-1645.	1.4	23
51	Cranial base changes following coronal suturectomy in craniosynostotic rabbits. Orthodontics and Craniofacial Research, 2002, 5, 90-103.	2.8	22
52	The human vomeronasal organ. V. An interpretation of its discovery by Ruysch, Jacobson, or K��lliker, with an English translation of K��lliker (1877). The Anatomical Record Part B: the New Anatomist, 2003, 270B, 4-15.	1.3	22
53	Olfactory Epithelium in the Olfactory Recess: A Case Study in New World Leaf-Nosed Bats. Anatomical Record, 2014, 297, 2105-2112.	1.4	22
54	Early development and differentiation of the Laysan albatross ( <i>Phoebastria immutabilis</i> )	1.2	22

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55	Relative tooth size at birth in primates: Life history correlates. <i>American Journal of Physical Anthropology</i> , 2017, 164, 623-634.	2.1	22
56	Anatomical position of the Vomeronasal Organ in postnatal humans. <i>Annals of Anatomy</i> , 2001, 183, 475-479.	1.9	19
57	Vomeronasal Organ Growth and Development in Normal and Cleft Lip and Palate Human Fetuses. <i>Cleft Palate-Craniofacial Journal</i> , 1996, 33, 385-394.	0.9	18
58	Unique Ontogenetic Patterns of Postorbital Septation in Tarsiers and the Issue of Trait Homology. , 2017, , 79-103.		18
59	Is the Mole Rat Vomeronasal Organ Functional?. <i>Anatomical Record</i> , 2020, 303, 318-329.	1.4	18
60	Ontogenetic characteristics of the vomeronasal organ in <i>Saguinus geoffroyi</i> and <i>Leontopithecus rosalia</i> , with comparisons to other primates. <i>American Journal of Physical Anthropology</i> , 2003, 121, 342-353.	2.1	17
61	Olfactory marker protein expression in the vomeronasal neuroepithelium of tamarins ( <i>Saguinus spp.</i> ). <i>Brain Research</i> , 2011, 1375, 7-18.	2.2	17
62	The primate Harderian gland: Does it really exist?. <i>Annals of Anatomy</i> , 2006, 188, 319-327.	1.9	16
63	Formation and Enlargement of the Paranasal Sinuses in Normal and Cleft Lip and Palate Human Fetuses. <i>Cleft Palate-Craniofacial Journal</i> , 1997, 34, 483-489.	0.9	15
64	The Orbitofacial Glands of Bats: An Investigation of the Potential Correlation of Gland Structure with Social Organization. <i>Anatomical Record</i> , 2010, 293, 1433-1448.	1.4	15
65	Light Microscopic and Ultrastructural Observations on the Vomeronasal Organ of <i>Anoura</i> (Chiroptera: Phyllostomidae). <i>Anatomical Record</i> , 2007, 290, 1341-1354.	1.4	14
66	Fissures, folds, and scrolls: The ontogenetic basis for complexity of the nasal cavity in a fruit bat ( <i>Rousettus leschenaultii</i> ). <i>Anatomical Record</i> , 2021, 304, 883-900.	1.4	14
67	Anterior Paraseptal Cartilage Development in Normal and Cleft Lip and Palate Human Fetal Specimens. <i>Cleft Palate-Craniofacial Journal</i> , 1994, 31, 239-245.	0.9	13
68	Human Faces Are Slower than Chimpanzee Faces. <i>PLoS ONE</i> , 2014, 9, e110523.	2.5	13
69	Maxilloturbinal Aids in Nasophonation in Horseshoe Bats (Chiroptera: Rhinolophidae). <i>Anatomical Record</i> , 2020, 303, 110-128.	1.4	13
70	The Anatomy and Ontogeny of the Head, Neck, Pectoral, and Upper Limb Muscles of <i>Lemur catta</i> and <i>Propithecus coquereli</i> (Primates): Discussion on the Parallelism Between Ontogeny and Phylogeny and Implications for Evolutionary and Developmental Biology. <i>Anatomical Record</i> , 2014, 297, 1435-1453.	1.4	12
71	Vomeronasal Organ Growth and Development in Normal and Cleft Lip and Palate Human Fetuses. <i>Cleft Palate-Craniofacial Journal</i> , 1996, 33, 385-394.	0.9	11
72	Nasal airflow in the pygmy slow loris ( <i>Nycticebus pygmaeus</i> ) based on a combined histologic, computed tomographic, and computational fluid dynamics methodology. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	11

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73	Observations on the vomeronasal organ of prenatal <i>Tarsius bancanus borneanus</i> with implications for ancestral morphology. <i>Journal of Anatomy</i> , 2003, 203, 473-481.	1.5	10
74	Comparative study of lectin reactivity in the vomeronasal organ of human and nonhuman primates. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2005, 284A, 550-560.	2.0	10
75	Formation and Enlargement of the Paranasal Sinuses in Normal and Cleft Lip and Palate Human Fetuses. <i>Cleft Palate-Craniofacial Journal</i> , 1997, 34, 483-489.	0.9	9
76	Behavioral and Ecological Consequences of Sex-Based Differences in Gustatory Anatomy in <i>Cebus apella</i> . <i>Anatomical Record</i> , 2011, 294, 2179-2192.	1.4	9
77	Cranial synchondroses of primates at birth. <i>Anatomical Record</i> , 2021, 304, 1020-1053.	1.4	9
78	Development of the nasolacrimal apparatus in the Mongolian gerbil ( <i>Meriones unguiculatus</i> ), with notes on network topology and function. <i>Journal of Morphology</i> , 2015, 276, 1005-1024.	1.2	8
79	SIZE OF THE VOMERONASAL NEUROEPITHELIUM IN TWO SPECIES OF MICROTUS WITH DIFFERING LEVELS OF PATERNAL BEHAVIOR. <i>Journal of Mammalogy</i> , 2001, 82, 209-217.	1.3	7
80	The vomeronasal organ and associated structures of the fetal African elephant, <i>Loxodonta africana</i> (Proboscidea, Elephantidae). <i>Acta Zoologica</i> , 2004, 85, 41-52.	0.8	7
81	The dog-human connection. <i>Anatomical Record</i> , 2021, 304, 10-18.	1.4	7
82	Inward collapse of the nasal cavity: Perinatal consolidation of the midface and cranial base in primates. <i>Anatomical Record</i> , 2021, 304, 939-957.	1.4	7
83	Venous networks in the upper airways of bats: A histological and CT study. <i>Anatomical Record</i> , 2022, 305, 1871-1891.	1.4	7
84	Ontogenetic observations on the vomeronasal organ in two species of tamarins using neuron-specific $\beta$ -tubulin III. <i>The Anatomical Record</i> , 2004, 278A, 409-418.	1.8	6
85	Vomeronasal System Evolution. , 2009, , 461-470.		6
86	Membranous Support for Eyes of Strepsirrhine Primates and Fruit Bats. <i>Anatomical Record</i> , 2016, 299, 1690-1703.	1.4	6
87	Mucosal maps of the canine nasal cavity: Microcomputed tomography and histology. <i>Anatomical Record</i> , 2021, 304, 127-138.	1.4	6
88	Prenatal Growth and Adult Size of the Vomeronasal Organ in Mouse Lemurs and Humans. , 2001, , 93-99.		5
89	The Vomeronasal Organ and Its Evolutionary Loss in Catarrhine Primates. , 2007, , 141-148.		4
90	Nasolacrimal anatomy and haplorhine origins. <i>Journal of Human Evolution</i> , 2018, 114, 176-183.	2.6	4

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91	Extreme Anatomy: Gear for the Pioneer. <i>Anatomical Record</i> , 2020, 303, 10-14.	1.4	4
92	“Month of birth effect” does not alter longitudinal growth in an experimental animal model. , 1997, 9, 481-486.		3
93	Hip Anatomy and Ontogeny of Lower Limb Musculature in Three Species of Nonhuman Primates. <i>Anatomy Research International</i> , 2011, 2011, 1-13.	1.1	3
94	The Chiropteran Brain Database: Volumetric Survey of the Hypophysis in 165 Species. <i>Anatomical Record</i> , 2016, 299, 492-510.	1.4	3
95	Extreme Anatomy: The Lottery Winners, Specialists, and Extreme Adaptations That Are No More. <i>Anatomical Record</i> , 2020, 303, 214-217.	1.4	3
96	Prenatal growth of the human vomeronasal organ. <i>The Anatomical Record</i> , 1997, 248, 447-455.	1.8	3
97	A comparison of diceCT and histology for determination of nasal epithelial type. <i>PeerJ</i> , 2021, 9, e12261.	2.0	3
98	The nasal cavity in agoutis ( <i>Dasyprocta</i> spp.): a micro-computed tomographic and histological study. <i>Vertebrate Zoology</i> , 0, 72, 95-113.	2.0	3
99	Observations on the vomeronasal organ of <i>Pteronotus macleayii</i> and <i>Pteronotus quadridens</i> (Chiroptera: Mormoopidae) / Observations sur l'organe voméronasal de <i>Pteronotus macleayii</i> et <i>Pteronotus quadridens</i> (Chiroptères: Mormoopidae). <i>Mammalia</i> , 2006, 70, .	0.7	2
100	Embryogenesis of the Uropygial Glands in the Laysan Albatross ( <i>Phoebastria immutabilis</i> ) (Pterothschild, Tj ET Qq 0 0 0 0 BT / Overdock 10 Tf		2
101	Getting into Shape: Limb Bone Strength in Perinatal Lemur <i>catta</i> and <i>Propithecus coquereli</i> . <i>Anatomical Record</i> , 2020, 303, 250-264.	1.4	2
102	The chondrocranial key: Fetal and perinatal morphogenesis of the sphenoid bone in primates. <i>Vertebrate Zoology</i> , 0, 71, 535-558.	2.0	2
103	Vespers and vampires: A lifelong microscopic search for the smallest of things. <i>Anatomical Record</i> , 2023, 306, 2670-2680.	1.4	2
104	The Skull. , 2020, , 37-79.		1
105	The Pectoral Girdle and Forelimb Skeleton. , 2020, , 163-190.		1
106	The existence of the vomeronasal organ in postnatal chimpanzees and evidence for its homology with that of humans. , 0, .		1
107	Evolutionary Changes in the Cranial Vault and Base: Establishing the Primate Form. , 0, , 273-294.		0
108	Cranial Base Dysmorphology and Growth in Facial Clefting. , 0, , 307-319.		0

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109	The Nasal Fossa of Mouse and Dwarf Lemurs (Primates, Cheirogaleidae). Anatomical Record, 2008, 291, spc1-spc1.	1.4	0
110	At Birth, Tarsiers Lack a Postorbital Bar or Septum. Anatomical Record, 2013, 296, C1-C1.	1.4	0
111	Vomeronasal System Evolution. , 2017, , .		0
112	Comparative dental anatomy in newborn primates: Cusp mineralization. Anatomical Record, 2020, 303, 2415-2475.	1.4	0
113	The Pelvic Girdle and Hindlimb Skeleton. , 2020, , 191-219.		0
114	The Newborn Primate Body Form: Phylogenetic and Life-History Influences. , 2020, , 220-234.		0
115	Primate Development and Growth. , 2020, , 9-27.		0
116	Why Ontogeny Matters. , 2020, , 28-36.		0
117	Dentition. , 2020, , 80-132.		0
118	Ontogeny of Feeding. , 2020, , 235-248.		0
119	The Postcranial Axial Skeleton. , 2020, , 133-162.		0
120	Ontogeny of Locomotion. , 2020, , 249-273.		0
121	The threads that bind us. Anatomical Record, 2021, 304, 206-209.	1.4	0
122	Size of Olfactory Structures in Strepsirhines: Ontogenetic and Ecological Factors. , 2012, , 247-255.		0