

# Mary T Silcox

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4394703/publications.pdf>

Version: 2024-02-01

88  
papers

3,711  
citations

201575

27  
h-index

143943

57  
g-index

96  
all docs

96  
docs citations

96  
times ranked

2485  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Placental Mammal Ancestor and the Post-K-Pg Radiation of Placentals. <i>Science</i> , 2013, 339, 662-667.	6.0	1,000
2	The primate semicircular canal system and locomotion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10808-10812.	3.3	337
3	New Paleocene skeletons and the relationship of plesiadapiforms to crown-clade primates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1159-1164.	3.3	242
4	Semicircular canal system in early primates. <i>Journal of Human Evolution</i> , 2009, 56, 315-327.	1.3	115
5	The semicircular canal system and locomotion: The case of extinct lemuroids and lorisooids. <i>Evolutionary Anthropology</i> , 2008, 17, 135-145.	1.7	112
6	Evolution of pedal grasping in Primates. <i>Journal of Human Evolution</i> , 2007, 53, 103-107.	1.3	83
7	Endocasts of <i>Microsyops</i> ( <i>Microsyopidae</i> , <i>Primates</i> ) and the evolution of the brain in primitive primates. <i>Journal of Human Evolution</i> , 2010, 58, 505-521.	1.3	83
8	The first major primate extinction: An evaluation of paleoecological dynamics of North American stem primates using a homology free measure of tooth shape. <i>American Journal of Physical Anthropology</i> , 2016, 159, 683-697.	2.1	83
9	The evolutionary radiation of plesiadapiforms. <i>Evolutionary Anthropology</i> , 2017, 26, 74-94.	1.7	79
10	Cranial anatomy of the Paleocene plesiadapiform <i>Carpolestes simpsoni</i> ( <i>Mammalia</i> , <i>Primates</i> ) using ultra high-resolution X-ray computed tomography, and the relationships of plesiadapiforms to Euprimates. <i>Journal of Human Evolution</i> , 2006, 50, 1-35.	1.3	78
11	Dental topographic analysis of paromomyid ( <i>Plesiadapiformes</i> , <i>Primates</i> ) cheek teeth: more than 15 million years of changing surfaces and shifting ecologies. <i>Historical Biology</i> , 2018, 30, 76-88.	0.7	77
12	Virtual endocast of <i>Ignacius graybullianus</i> ( <i>Paromomyidae</i> , <i>Primates</i> ) and brain evolution in early primates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10987-10992.	3.3	74
13	1 Primate Origins and Supraordinal Relationships: Morphological Evidence. , 2007, , 831-859.		73
14	New basicrania of Paleocene-Eocene <i>Ignacius</i> : Re-evaluation of the Plesiadapiform-Dermopteran link. <i>American Journal of Physical Anthropology</i> , 2001, 116, 184-198.	2.1	66
15	Major Questions in the Study of Primate Origins. <i>Annual Review of Earth and Planetary Sciences</i> , 2017, 45, 113-137.	4.6	63
16	Dental Signatures for Exudatory in Living Primates, with Comparisons to Other Gouging Mammals. <i>Anatomical Record</i> , 2020, 303, 265-281.	0.8	53
17	Evolution of locomotion in Anthrooidea: the semicircular canal evidence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3467-3475.	1.2	51
18	Life history of the most complete fossil primate skeleton: exploring growth models for <i>Darwinius</i> . <i>Royal Society Open Science</i> , 2015, 2, 150340.	1.1	49

#	ARTICLE	IF	CITATIONS
19	New discoveries on the middle ear anatomy of <i>Ignacius graybullianus</i> (Paromomyidae, Primates) from ultra high resolution X-ray computed tomography. <i>Journal of Human Evolution</i> , 2003, 44, 73-86.	1.3	47
20	THE DIET OF WORMS: AN ANALYSIS OF MOLE DENTAL MICROWEAR. <i>Journal of Mammalogy</i> , 2002, 83, 804-814.	0.6	44
21	Cranial anatomy of Paleocene and Eocene <i>Labidolemur kayi</i> (Mammalia: Apatotheria), and the relationships of the Apatemyidae to other mammals. <i>Zoological Journal of the Linnean Society</i> , 2010, 160, 773-825.	1.0	38
22	Cranial dimensions as estimators of body mass and locomotor habits in extant and fossil rodents. <i>Journal of Vertebrate Paleontology</i> , 2016, 36, e1014905.	0.4	36
23	Virtual endocast of the early Oligocene <i>Cedromus wilsoni</i> (Cedromurinae) and brain evolution in squirrels. <i>Journal of Anatomy</i> , 2017, 230, 128-151.	0.9	36
24	Quantification of neocortical ratios in stem primates. <i>American Journal of Physical Anthropology</i> , 2015, 157, 363-373.	2.1	35
25	Endocranial shape variation in the squirrel-related clade and their fossil relatives using 3D geometric morphometrics: contributions of locomotion and phylogeny to brain shape. <i>Journal of Zoology</i> , 2019, 308, 197-211.	0.8	35
26	Virtual endocasts of Eocene <i>Paramys</i> (Paramyinae): oldest endocranial record for Rodentia and early brain evolution in Euarchontoglires. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152316.	1.2	34
27	First virtual endocasts of a fossil rodent: <i>Ischyromys typus</i> (Ischyromyidae, Oligocene) and brain evolution in rodents. <i>Journal of Vertebrate Paleontology</i> , 2016, 36, e1095762.	0.4	31
28	Oldest skeleton of a plesiadapiform provides additional evidence for an exclusively arboreal radiation of stem primates in the Palaeocene. <i>Royal Society Open Science</i> , 2017, 4, 170329.	1.1	30
29	The Biogeographic Origins of Primates and Euprimates: East, West, North, or South of Eden?. , 2008, , 199-231.		29
30	Virtual endocasts of fossil Sciuroidea: brain size reduction in the evolution of fossoriality. <i>Palaeontology</i> , 2018, 61, 919-948.	1.0	28
31	The impact of locomotion on the brain evolution of squirrels and close relatives. <i>Communications Biology</i> , 2021, 4, 460.	2.0	28
32	Primate Taxonomy, Plesiadapiforms, and Approaches to Primate Origins. , 2007, , 143-178.		26
33	Surfaces and spaces: troubleshooting the study of dietary niche space overlap between North American stem primates and rodents. <i>Surface Topography: Metrology and Properties</i> , 2016, 4, 024005.	0.9	25
34	First virtual endocasts of adapiform primates. <i>Journal of Human Evolution</i> , 2016, 99, 52-78.	1.3	23
35	New Virtual Endocasts of Eocene Ischyromyidae and Their Relevance in Evaluating Neurological Changes Occurring Through Time in Rodentia. <i>Journal of Mammalian Evolution</i> , 2019, 26, 345-371.	1.0	23
36	New specimens of <i>Elphidotarsius russelli</i> (Mammalia, ?Primates, Carpolestidae) and a revision of Plesiadapoid relationships. <i>Journal of Vertebrate Paleontology</i> , 2001, 21, 132-152.	0.4	22

#	ARTICLE	IF	CITATIONS
37	Revisiting the adaptive origins of primates (again). <i>Journal of Human Evolution</i> , 2007, 53, 321-324.	1.3	22
38	Plesiadapiformes. , 2008, , 207-238.		21
39	Endocranial morphology of <i>Labidolemur kayi</i> (Apatemyidae, Apatotheria) and its relevance to the study of brain evolution in Euarchontoglires. <i>Journal of Vertebrate Paleontology</i> , 2011, 31, 1314-1325.	0.4	21
40	New partial skeletons of Palaeocene Nyctitheriidae and evaluation of proposed euarchontan affinities. <i>Biology Letters</i> , 2015, 11, 20140911.	1.0	19
41	Internal carotid arterial canal size and scaling in Euarchonta: Re-assessing implications for arterial patency and phylogenetic relationships in early fossil primates. <i>Journal of Human Evolution</i> , 2016, 97, 123-144.	1.3	18
42	Cranial endocast of the stem lagomorph <i>Megalagus</i> and brain structure of basal Euarchontoglires. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200665.	1.2	17
43	Untangling the ecological signal in the dental morphology in the bat superfamily Noctilionoidea. <i>Journal of Mammalian Evolution</i> , 2022, 29, 531-545.	1.0	17
44	Primate Origins and Supraordinal Relationships: Morphological Evidence. , 2015, , 1053-1081.		16
45	Mammalian molar complexity follows simple, predictable patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
46	New discoveries of early Paleocene (Torrejonian) primates from the Nacimiento Formation, San Juan Basin, New Mexico. <i>Journal of Human Evolution</i> , 2012, 63, 805-833.	1.3	14
47	Using three-dimensional geometric morphometric and dental topographic analyses to infer the systematics and paleoecology of fossil treeshrews (Mammalia, Scandentia). <i>Journal of Paleontology</i> , 2020, 94, 1202-1212.	0.5	14
48	Cochlear Labyrinth Volume in Euarchontoglirans: Implications for the Evolution of Hearing in Primates. <i>Anatomical Record</i> , 2011, 294, 263-266.	0.8	13
49	Cranial anatomy of Paleogene Micromomyidae and implications for early primate evolution. <i>Journal of Human Evolution</i> , 2016, 96, 58-81.	1.3	13
50	First 3D Dental Topographic Analysis of the Enamel-Dentine Junction in Non-Primate Euarchontans: Contribution of the Enamel-Dentine Junction to Molar Morphology. <i>Journal of Mammalian Evolution</i> , 2019, 26, 587-598.	1.0	13
51	Response to Comment on "The Placental Mammal Ancestor and the Post-K-Pg Radiation of Placentals" • <i>Science</i> , 2013, 341, 613-613.	6.0	12
52	Cranial anatomy of <i>Microsyops annectens</i> (Microsyopidae, Euarchonta, Mammalia) from the middle Eocene of Northwestern Wyoming. <i>Journal of Paleontology</i> , 2020, 94, 979-1006.	0.5	12
53	Evolution of arboreality and fossoriality in squirrels and aplodontid rodents: Insights from the semicircular canals of fossil rodents. <i>Journal of Anatomy</i> , 2021, 238, 96-112.	0.9	12
54	Paleoprimatology at the Society of Vertebrate Paleontology. <i>Evolutionary Anthropology</i> , 2002, 11, 1-3.	1.7	11

#	ARTICLE	IF	CITATIONS
55	Unusual Vertebrate Microfaunas From the Willwood Formation, Early Eocene of the Bighorn Basin, Wyoming. <i>Topics in Geobiology</i> , 2001, , 131-164.	0.6	10
56	Three-dimensional Geometric Morphometric Analysis of Treeshrew (Scandentia) Lower Molars: Insight into Dental Variation and Systematics. <i>Anatomical Record</i> , 2019, 302, 1154-1168.	0.8	9
57	Lagomorpha as a Model Morphological System. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	9
58	Skeletal morphology of the early Paleocene plesiadapiform <i>Torrejonia wilsoni</i> (Euarchonta). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 To</i>	1.3	8
59	Early life malnutrition and fluctuating asymmetry in the rat bony labyrinth. <i>Anatomical Record</i> , 2021, 304, 2645-2660.	0.8	8
60	Scaling patterns of cerebellar petrosal lobules in Euarchontoglires: Impacts of ecology and phylogeny. <i>Anatomical Record</i> , 2022, 305, 3472-3503.	0.8	8
61	Early Eocene Paromomyidae (Mammalia, Primates) from the southern Bighorn Basin, Wyoming: Systematics and evolution. <i>Journal of Paleontology</i> , 2008, 82, 1074-1113.	0.5	7
62	Early Eocene Paromomyidae (Mammalia, Primates) from the southern Bighorn Basin, Wyoming: Systematics and evolution. <i>Journal of Paleontology</i> , 2008, 82, 1074-1113.	0.5	7
63	A pragmatic approach to the species problem from a paleontological perspective. <i>Evolutionary Anthropology</i> , 2014, 23, 24-26.	1.7	7
64	The European Paromomyidae (Primates, Mammalia): taxonomy, phylogeny, and biogeographic implications. <i>Journal of Paleontology</i> , 2018, 92, 920-937.	0.5	7
65	Technical note: A landmark-based approach to the study of the ear ossicles using ultra-high-resolution X-ray computed tomography data. <i>American Journal of Physical Anthropology</i> , 2011, 145, 665-671.	2.1	6
66	A Novel Method for Assessing Enamel Thickness Distribution in the Anterior Dentition as a Signal for Couging and Other Extractive Foraging Behaviors in Gummivorous Mammals. <i>Folia Primatologica</i> , 2020, 91, 365-384.	0.3	6
67	Can bony labyrinth dimensions predict biological sex in archaeological samples?. <i>Journal of Archaeological Science: Reports</i> , 2020, 31, 102354.	0.2	5
68	The Toothcomb of <i>Karanisia clarki</i> . , 2020, , 67-75.		5
69	The largest and earliest known sample of dental caries in an extinct mammal (Mammalia, Euarchonta). <i>Tj ETQq1 1 0,784314 rgBT /Over</i>	1.6	5
70	What We Know (and Don't Know) About the Fossil Records of Lorisids. , 2020, , 33-46.		4
71	Dietary shifts in a group of early Eocene euarchontans (Microsyopidae) in association with climatic change. <i>Palaeontology</i> , 2021, 64, 609-628.	1.0	4
72	New omomyoids (Euprimates, Mammalia) from the late Uintan of southern California, USA, and the question of the extinction of the Paromomyidae (Plesiadapiformes, Primates). <i>Palaeontologia Electronica</i> , 2018, 21, .	0.9	4

#	ARTICLE	IF	CITATIONS
73	The effect of high wear diets on the relative pulp volume of the lower molars. American Journal of Physical Anthropology, 2021, 174, 804-811.	2.1	3
74	Cladogenesis and replacement in the fossil record of Microsyopidae (?Primates) from the southern Bighorn Basin, Wyoming. Biology Letters, 2021, 17, 20200824.	1.0	3
75	Intraspecific variation in molar topography of the early Eocene stem primate <i>Microsyops latidens</i> (Mammalia, ?Primates). Journal of Vertebrate Paleontology, 2021, 41, .	0.4	3
76	Primate origins and adaptations: A multidisciplinary perspective. Evolutionary Anthropology, 2002, 11, 171-172.	1.7	2
77	The frugivorous insectivores? Functional morphological analysis of molar topography for inferring diet in extant treeshrews (Scandentia). Journal of Mammalogy, 2019, , .	0.6	2
78	Diet drove brain and dental morphological coevolution in strepsirrhine primates. PLoS ONE, 2022, 17, e0269041.	1.1	2
79	Primate evolution at the society of vertebrate paleontology. Evolutionary Anthropology, 1999, 8, 5-6.	1.7	1
80	Archonta summary. , 2008, , 161-173.		1
81	What Role Did Gum-Feeding Play in the Evolution of the Lorises?. , 2020, , 153-162.		1
82	Ovariectomized rat model and shape variation in the bony labyrinth. Anatomical Record, 2022, 305, 3283-3296.	0.8	1
83	Getting Back to Basics: A Virtual Dissection of the Cranium of <i>Microsyops Annectens</i> (Mammalia,) Tj ETQq1 1 0.784314 rgBT/Overload	0.0	0
84	Reconstructing the Virtual Endocasts of Two Eocene Primates from High-Resolution X-Ray Computed Tomography Data. The Paleontological Society Special Publications, 2014, 13, 175-175.	0.0	0
85	<i>Ischyromys Typus</i> : First Virtual Endocast of a Fossil Rodent. The Paleontological Society Special Publications, 2014, 13, 175-176.	0.0	0
86	Auditory Functional Analysis: Lessons From the Primate Auditory Ossicles. FASEB Journal, 2010, 24, 449.7.	0.2	0
87	Disappearing Enamel and Molars: The Evolution of a Dietary Niche Focused on Gums. FASEB Journal, 2019, 33, 452.21.	0.2	0
88	The influence of subsistence strategy and climate on bony labyrinth morphology in recent Homo sapiens. American Journal of Biological Anthropology, 0, , .	0.6	0