Richard F Kay

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4416222/publications.pdf

Version: 2024-02-01

111 papers	6,663 citations	81743 39 h-index	71532 76 g-index
116 all docs	116 docs citations	116 times ranked	2347 citing authors

#	Article	IF	Citations
1	The functional adaptations of primate molar teeth. American Journal of Physical Anthropology, 1975, 43, 195-215.	2.1	681
2	Jaw movement and tooth use in recent and fossil primates. American Journal of Physical Anthropology, 1974, 40, 227-256.	2.1	387
3	The nut-crackers â€“ a new theory of the adaptations of the Ramapithecinae. American Journal of Physical Anthropology, 1981, 55, 141-151.	2.1	385
4	The evolution of molar occlusion in the Cercopithecidae and early catarrhines. American Journal of Physical Anthropology, 1977, 46, 327-352.	2.1	253
5	Osteological evidence for the evolution of activity pattern and visual acuity in primates. American Journal of Physical Anthropology, 2000, 113, 235-262.	2.1	213
6	Early hominid diets from quantitative image analysis of dental microwear. Nature, 1988, 333, 765-768.	13.7	207
7	The phyletic relationships of extant and fossil Pitheciinae (Platyrrhini, Anthropoidea). Journal of Human Evolution, 1990, 19, 175-208.	1.3	190
8	A Comparative Test of Adaptive Explanations for Hypsodonty in Ungulates and Rodents. Journal of Mammalian Evolution, 2001, 8, 207-229.	1.0	183
9	Phylogenetic analysis of anthropoid relationships. Journal of Human Evolution, 1998, 35, 221-307.	1.3	168
10	The phyletic position of the Parapithecidae. Journal of Human Evolution, 1987, 16, 483-532.	1.3	136
11	Sexual dimorphism in early anthropoids. Nature, 1980, 287, 328-330.	13.7	133
12	New perspectives on anthropoid origins. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4797-4804.	3.3	113
13	Biogeography in deep time â€“ What do phylogenetics, geology, and paleoclimate tell us about early platyrrhine evolution?. Molecular Phylogenetics and Evolution, 2015, 82, 358-374.	1.2	112
14	Dental microwear and diet: Implications for determining the feeding behaviors of extinct primates, with a comment on the dietary pattern ofSivapithecus. American Journal of Physical Anthropology, 1981, 55, 331-336.	2.1	109
15	Eocene plesiadapiform shows affinities with flying lemurs not primates. Nature, 1990, 345, 342-344.	13.7	107
16	The anatomy of Dolichocebus gaimanensis, a stem platyrrhine monkey from Argentina. Journal of Human Evolution, 2008, 54, 323-382.	1.3	106
17	Mammals and rainfall: paleoecology of the middle Miocene at La Venta (Colombia, South America). Journal of Human Evolution, 1997, 32, 161-199.	1.3	105
18	Anatomy and Behaviour of Extinct Primates. , 1984, , 467-508.		104

#	Article	IF	Citations
19	On the relationship between chitin particle size and digestibility in the primateGalago senegalensis. American Journal of Physical Anthropology, 1979, 50, 301-308.	2.1	103
20	Sivapithecus simonsi, a new species of miocene hominoid, with comments on the phylogenetic status of the ramapithecinae. International Journal of Primatology, 1982, 3, 113-173.	0.9	101
21	Cranial anatomy ofIgnacius graybullianus and the affinities of the Plesiadapiformes. American Journal of Physical Anthropology, 1992, 89, 477-498.	2.1	100
22	Locomotor head movements and semicircular canal morphology in primates. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17914-17919.	3.3	100
23	An analysis of chewed food particle size and its relationship to molar structure in the primatesCheirogaleus medius andGalago senegalensis and the insectivoranTupaia glis. American Journal of Physical Anthropology, 1977, 47, 15-20.	2.1	86
24	A revision of the Oligocene apes of the Fayum Province, Egypt. American Journal of Physical Anthropology, 1981, 55, 293-322.	2.1	85
25	Darwinius masillae is a strepsirrhineâ€”a reply to Franzen etÂal. (2009). Journal of Human Evolution, 2010, 59, 567-573.	1.3	80
26	Revised age of the Salla beds, Bolivia, and its bearing on the age of the Deseadan South American Land Mammal â€œAgeâ€• Journal of Vertebrate Paleontology, 1998, 18, 189-199.	0.4	79
27	Olfactory fossa ofTremacebus harringtoni (platyrrhini, early Miocene, Sacanana, Argentina): Implications for activity pattern. The Anatomical Record, 2004, 281A, 1157-1172.	2.3	77
28	A baseline paleoecological study for the Santa Cruz Formation (lateâ€“early Miocene) at the Atlantic coast of Patagonia, Argentina. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 292, 507-519.	1.0	71
29	Introducing molaR: a New R Package for Quantitative Topographic Analysis of Teeth (and Other) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.0	71
30	U-Pb geochronology of the Santa Cruz Formation (early Miocene) at the RÃo Bote and RÃo Santa Cruz (southernmost Patagonia, Argentina): Implications for the correlation of fossil vertebrate localities. Journal of South American Earth Sciences, 2016, 70, 198-210.	0.6	66
31	True grit: A microwear experiment. American Journal of Physical Anthropology, 1983, 61, 33-38.	2.1	65
32	A new Pitheciin primate from the middle Miocene of Argentina. , 1998, 45, 317-336.		63
33	â€œGiantâ€•tamarin from the Miocene of Colombia. American Journal of Physical Anthropology, 1994, 95, 333-353.	2.1	62
34	New platyrrhine monkeys from the SolimÃµes Formation (late Miocene, Acre State, Brazil). Journal of Human Evolution, 2006, 50, 673-686.	1.3	57
35	A review of the paleoenvironment and paleoecology of the Miocene Santa Cruz Formation. , 2012, , 331-365.		57
36	Tephrochronology of the Miocene Santa Cruz and Pinturas Formations, Argentina. , 2012, , 23-40.		56

#	Article	IF	Citations
37	Qatrania, new basal anthropoid primate from the Fayum, Oligocene of Egypt. Nature, 1983, 304, 624-626.	13.7	55
38	The paleobiology of Amphipithecidae, South Asian late Eocene primates. Journal of Human Evolution, 2004, 46, 3-25.	1.3	55
39	Stirtonia victoriae, a new species of Miocene Colombian primate. Journal of Human Evolution, 1987, 16, 173-196.	1.3	50
40	The armadillos (Mammalia, Xenarthra, Dasypodidae) of the Santa Cruz Formation (earlyâ€“middle) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2006, 237, 255-269.	1.0	50
41	Paleobiology of Santacrucian native ungulates (Meridiungulata: Astrapotheria, Litopterna and) Tj ETQq1 1 0.784314 rgBT /Overlock 1		50
42	Dietary and dental variations in the genusLemur, with comments concerning dietary-dental correlations among Malagasy primates. American Journal of Physical Anthropology, 1978, 49, 119-127.	2.1	46
43	Predominance of orthal masticatory movements in the Early MioceneEucholaeops(Mammalia,) Tj ETQq1 1 0.784314 rgBT /Ove Paleontology, 2009, 29, 870-880.	0.4	43
44	A model for comparison of masticatory effectiveness in primates. Journal of Morphology, 1982, 172, 139-149.	0.6	41
45	Paleobiology of the Santacrucian sloths and anteaters (Xenarthra, Pilosa). , 2012, , 216-242.		39
46	Wear and its effects on dental topography measures in howling monkeys (Alouatta palliata). American Journal of Physical Anthropology, 2016, 161, 705-721.	2.1	37
47	Dietary Inference from Upper and Lower Molar Morphology in Platyrrhine Primates. PLoS ONE, 2015, 10, e0118732.	1.1	37
48	Fossil localities of the Santa Cruz Formation (Early Miocene, Patagonia, Argentina) prospected by Carlos Ameghino in 1887 revisited and the location of the Notohippidian. Journal of South American Earth Sciences, 2014, 52, 94-107.	0.6	36
49	An improved approach to age-modeling in deep time: Implications for the Santa Cruz Formation, Argentina. Bulletin of the Geological Society of America, 2020, 132, 233-244.	1.6	36
50	Stem taxa, homoplasy, long lineages, and the phylogenetic position of Dolichocebus. Journal of Human Evolution, 2010, 59, 218-222.	1.3	35
51	Dietary quality and encephalization in platyrrhine primates. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 715-721.	1.2	35
52	Preliminary notes on a newly discovered skull of the extinct monkey Antillothrix from Hispaniola and the origin of the Greater Antillean monkeys. Journal of Human Evolution, 2011, 60, 124-128.	1.3	32
53	Smooth operator: The effects of different 3D mesh retriangulation protocols on the computation of Dirichlet normal energy. American Journal of Physical Anthropology, 2017, 163, 94-109.	2.1	32
54	Background for a paleoecological study of the Santa Cruz Formation (late Early Miocene) on the Atlantic Coast of Patagonia. , 2012, , 1-22.		31

#	Article	IF	Citations
55	Cranial anatomy and palaeobiology of the Miocene marsupialHondalagus altiplanensisand a phylogeny of argyrolagids. Palaeontology, 2000, 43, 287-301.	1.0	30
56	Absolute and relative ages of fossil localities in the Santa Cruz and Pinturas Formations. , 2012, , 41-58.		30
57	Large fossil platyrrhines from the RÄ±Ìo Acre local fauna, late Miocene, western Amazonia. Journal of Human Evolution, 1993, 25, 319-327.	1.3	29
58	Age assessment using cementum annulus counts and tooth wear in a free-ranging population ofMacaca mulatta. American Journal of Primatology, 1988, 15, 1-15.	0.8	27
59	Diversity and paleobiology of the Santacrucian birds. , 2012, , 138-155.		27
60	New World monkey origins. Science, 2015, 347, 1068-1069.	6.0	27
61	Dental formulae and dental eruption patterns in parapithecidae (primates, Anthropoidea). American Journal of Physical Anthropology, 1983, 62, 363-375.	2.1	26
62	A new species of Hathliacynidae (Metatheria, Sparassodonta) from the middle Miocene of Quebrada Honda, Bolivia. Journal of Vertebrate Paleontology, 2006, 26, 670-684.	0.4	26
63	A NEW GENERALIZED PAUCITUBERCULATAN MARSUPIAL FROM THE OLIGOCENE OF BOLIVIA AND THE ORIGIN OF â€˜SHREWâ€LIKEâ€™ OPOSSUMS. Palaeontology, 2007, 50, 1267-1276.	1.0	26
64	Sexual dimorphism and dental variability in platyrrhine primates. International Journal of Primatology, 1988, 9, 169-178.	0.9	25
65	The Adaptations of Branisella boliviana, the Earliest South American Monkey. , 2002, , 339-370.		25
66	Paleoecology of the mammalian carnivores (Metatheria, Sparassodonta) of the Santa Cruz Formation (late Early Miocene). , 2012, , 173-193.		25
67	Paleoenvironmental reconstruction of the coastal Monte LÃ©on and Santa Cruz formations (Early) Tj ETQq1 1 0.784314 rgBT /Overlo Earth Sciences, 2015, 60, 31-55.	0.6	23
68	Adaptive wear-based changes in dental topography associated with atelid (Mammalia: Primates) diets. Biological Journal of the Linnean Society, 2018, 124, 584-606.	0.7	23
69	Fossil plant studies from late Early Miocene of the Santa Cruz Formation: paleoecology and paleoclimatology at the passive margin of Patagonia, Argentina. , 2012, , 104-128.		22
70	First record of the Miocene hominoid Sivapithecus from Kutch, Gujarat state, western India. PLoS ONE, 2018, 13, e0206314.	1.1	22
71	Paleobiology of Santacrucian caviomorph rodents: a morphofunctional approach. , 2012, , 287-305.		21
72	Paleobiology of Santacrucian primates. , 2012, , 306-330.		21

#	Article	IF	Citations
73	Auditory Morphology and Hearing Sensitivity in Fossil New World Monkeys. Anatomical Record, 2010, 293, 1711-1721.	0.8	20
74	Two new fossil vertebrate localities in the Santa Cruz Formation (late early â€“ early middle Miocene,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.6	19
75	Internal carotid arterial canal size and scaling in Euarchonta: Re-assessing implications for arterial patency and phylogenetic relationships in early fossil primates. Journal of Human Evolution, 2016, 97, 123-144.	1.3	18
76	New palaeothentid marsupial from the Middle Miocene of Bolivia. Palaeontology, 2003, 46, 307-315.	1.0	17
77	Tooth Root Size, Chewing Muscle Leverage, and the Biology ofHomunculus patagonicus(Primates) from the Late Early Miocene of Patagonia. Ameghiniana, 2010, 47, 355-371.	0.3	17
78	Mammalian faunas, ecological indices, and machine-learning regression for the purpose of paleoenvironment reconstruction in the Miocene of South America. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 518, 155-171.	1.0	17
79	Dust in the wind: How climate variables and volcanic dust affect rates of tooth wear in central american howling monkeys. American Journal of Physical Anthropology, 2016, 159, 210-222.	2.1	16
80	Pitheciidae and other platyrrhine seed predators. , 2013, , 3-12.		15
81	Oldest known cranium of a juvenile New World monkey (Early Miocene, Patagonia, Argentina): Implications for the taxonomy and the molar eruption pattern of early platyrrhines. Journal of Human Evolution, 2014, 74, 67-81.	1.3	15
82	Intraspecific variation in semicircular canal morphologyâ€”A missing element in adaptive scenarios?. American Journal of Physical Anthropology, 2019, 168, 10-24.	2.1	15
83	Evidence for an Asian origin of stem anthropoids. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10132-10133.	3.3	14
84	Patagonian Aridification at the Onset of the Midâ€Miocene Climatic Optimum. Paleoceanography and Paleoclimatology, 2020, 35, e2020PA003956.	1.3	14
85	Paleoenvironments and paleoecology of the Santa Cruz Formation (early-middle Miocene) along the RÃo Santa Cruz, Patagonia (Argentina). Journal of South American Earth Sciences, 2021, 109, 103296.	0.6	14
86	Parvimico materdei gen. et sp. nov.: A new platyrrhine from the Early Miocene of the Amazon Basin, Peru. Journal of Human Evolution, 2019, 134, 102628.	1.3	13
87	The ontogeny of premolar dental wear inCercocebus albigena (cercopithecidae). American Journal of Physical Anthropology, 1981, 54, 153-155.	2.1	12
88	Sedimentology and paleoenvironment of the Santa Cruz Formation. , 2012, , 59-82.		12
89	The taxon anthropoidea and the crown clade concept. Evolutionary Anthropology, 2005, 3, 188-190.	1.7	10
90	Technical note: Comparing dental topography software using platyrrhine molars. American Journal of Physical Anthropology, 2019, 169, 179-185.	2.1	10

#	Article	IF	Citations
91	Dental topographic change with macrowear and dietary inference in Homunculus patagonicus. Journal of Human Evolution, 2020, 144, 102786.	1.3	10
92	ON AN ALBUM OF PHOTOGRAPHS RECORDING FOSSILS IN THE "OLD COLLECTIONS" OF THE MUSEO DE LA PLATA AND AMEGHINO?S PRIVATE COLLECTION AT THE BEGINNING OF THE XXTH CENTURY. Publicacion Electronica De La Asociacion Paleontologica Argentina, 0, , .	0.2	10
93	Ichnology of distal overbank deposits of the Santa Cruz Formation (late Early Miocene): paleohydrologic and paleoclimatic significance. , 2012, , 91-103.		9
94	Insights on the controls on floodplain-dominated fluvial successions: a perspective from the Earlyâ€“Middle Miocene Santa Cruz Formation in RÃo ChalÃa (Patagonia, Argentina). Journal of the Geological Society, 2021, 178, .	0.9	9
95	A synopsis of the phylogeny and paleobiology of Amphipithecidae, South Asian middle and late Eocene primates. Anthropological Science, 2005, 113, 33-42.	0.2	9
96	Stem members of Platyrrhini are distinct from catarrhines in at least one derived cranial feature. Journal of Human Evolution, 2016, 100, 16-24.	1.3	8
97	100 years of primate paleontology. American Journal of Physical Anthropology, 2018, 165, 652-676.	2.1	8
98	Testing the hypothesis of an impoverished predator guild in the Early Miocene ecosystems of Patagonia: An analysis of meat availability and competition intensity among carnivores. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 554, 109805.	1.0	8
99	A diminutive Pliocene guenon from Kanapoi, West Turkana, Kenya. Journal of Human Evolution, 2019, 135, 102623.	1.3	7
100	Fruit Selectivity in Anthropoid Primates: Size Matters. International Journal of Primatology, 2020, 41, 525-537.	0.9	7
101	Reconstructing Cenozoic Patagonian biotas using multi-proxy fossil records. Journal of South American Earth Sciences, 2021, 112, 103513.	0.6	6
102	Leonard B. Radinsky (1937â€“1985), Radical Biologist. Journal of Mammalian Evolution, 2021, 28, 7-14.	1.0	5
103	ANALYSIS OF THE EARLY- MIDDLE MIOCENE MAMMAL ASSOCIATIONS AT THE RÃO SANTA CRUZ (PATAGONIA,) Tj ETQq1 1 0.784314	0.2	4
104	HISTORICAL BACKGROUND FOR A REVISION OF THE PALEONTOLOGY OF THE SANTA CRUZ FORMATION (EARLY-MIDDLE MIOCENE) ALONG THE RÃO SANTA CRUZ, PATAGONIA, ARGENTINA. Publicacion Electronica De La Asociacion Paleontologica Argentina, 2020, , .	0.2	3
105	EL REGISTRO DEL TIPOTERIO PACHYRUKHOS (MAMMALIA, NOTOUNGULATA) Y EL CHINCHÃ‰LIDO PROLAGOSTOMUS (MAMMALIA, RODENTIA) EN LA FORMACIÃ“N SANTA CRUZ (MIOCENO TEMPRANOâ€“MEDIO) AL SUR DEL RÃO COYLE, PATAGONIA, ARGENTINA. Publicacion Electronica De La Asociacion Paleontologica Argentina, 0, , .	0.2	3
106	Sexual dimorphism in early anthropoids (reply). Nature, 1981, 290, 609-609.	13.7	2
107	A New Humerus of Homunculus patagonicus, a Stem Platyrrhine from the Santa Cruz Formation (Late) Tj ETQq1 1 0.784314 rgBT /Ov	0.3	2
108	NEW PRIMATES FROM THE RÃO SANTA CRUZ AND RÃO BOTE (EARLY-MIDDLE MIOCENE), SANTA CRUZ PROVINCE, ARGENTINA.. Publicacion Electronica De La Asociacion Paleontologica Argentina, 0, , .	0.2	2

#	Article	IF	Citations
109	Comments on the adaptive strategy of the first African anthropoids. Zeitschrift Fur Morphologie Und Anthropologie, 1980, 71, 143-148.	0.1	2
110	: Analysis of Species-Specific Molar Adaptations in Strepsirhine Primates . Daniel Seligsohn.. American Anthropologist, 1979, 81, 970-971.	0.7	1
111	Unique nasal turbinal morphology reveals Homunculus patagonicus functionally converged on modern platyrrhine olfactory sensitivity. Journal of Human Evolution, 2022, 167, 103184.	1.3	0