Richard Potts

List of Publications by Year
in descending order

76 papers	6,822 citations	87723 38 h-index	95083 68 g-index
79 all docs	79 docs citations	79 times ranked	5180 citing authors

#	Article	IF	Citations
1	Variability selection in hominid evolution. Evolutionary Anthropology, 1998, 7, 81-96.	1.7	522
2	Cutmarks made by stone tools on bones from Olduvai Gorge, Tanzania. Nature, 1981, 291, 577-580.	13.7	472
3	Evolution of early Homo : An integrated biological perspective. Science, 2014, 345, 1236828.	6.0	394
4	Environmental hypotheses of hominin evolution. , 1998, 107, 93-136.		383
5	The formation of human populations in South and Central Asia. Science, 2019, 365, .	6.0	383
6	Mid-Pleistocene Acheulean-like Stone Technology of the Bose Basin, South China. Science, 2000, 287, 1622-1626.	6.0	345
7	Long-distance stone transport and pigment use in the earliest Middle Stone Age. Science, 2018, 360, 90-94.	6.0	237
8	Singleâ€crystal ⁴⁰Ar/³⁹Ar dating of the Olorgesailie Formation, Southern Kenya Rift. Journal of Geophysical Research, 1990, 95, 8453-8470.	3.3	233
9	Late Pliocene Faunal Turnover in the Turkana Basin, Kenya and Ethiopia. Science, 1997, 278, 1589-1594.	6.0	227
10	Hominin evolution in settings of strong environmental variability. Quaternary Science Reviews, 2013, 73, 1-13.	1.4	212
11	Paleolandscape variation and Early Pleistocene hominid activities: Members 1 and 7, Olorgesailie Formation, Kenya. Journal of Human Evolution, 1999, 37, 747-788.	1.3	202
12	Earliest Archaeological Evidence of Persistent Hominin Carnivory. PLoS ONE, 2013, 8, e62174.	1.1	159
13	Alternating high and low climate variability: The context of natural selection and speciation in Plio-Pleistocene hominin evolution. Journal of Human Evolution, 2015, 87, 5-20.	1.3	148
14	Holocene shifts in the assembly of plant and animal communities implicate human impacts. Nature, 2016, 529, 80-83.	13.7	147
15	Environmental dynamics during the onset of the Middle Stone Age in eastern Africa. Science, 2018, 360, 86-90.	6.0	146
16	Magnetostratigraphic dating of early humans in China. Earth-Science Reviews, 2003, 61, 341-359.	4.0	133
17	Old stones' song: Use-wear experiments and analysis of the Oldowan quartz and quartzite assemblage from Kanjera South (Kenya). Journal of Human Evolution, 2014, 72, 10-25.	1.3	132
18	Oldowan behavior and raw material transport: perspectives from the Kanjera Formation. Journal of Archaeological Science, 2008, 35, 2329-2345.	1.2	124

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19	Why the Oldowan? Plio-Pleistocene Toolmaking and the Transport of Resources. Journal of Anthropological Research, 1991, 47, 153-176.	0.1	123
20	Water Flow and the Formation of Early Pleistocene Artifact Sites in Olduvai Gorge, Tanzania. Journal of Anthropological Archaeology, 1994, 13, 228-254.	0.7	119
21	Small Mid-Pleistocene Hominin Associated with East African Acheulean Technology. Science, 2004, 305, 75-78.	6.0	118
22	Sequence of mammalian fossils, including hominoid teeth, from the Bubing Basin caves, South China. Journal of Human Evolution, 2007, 52, 370-379.	1.3	109
23	Variables versus models of early Pleistocene hominid land use. Journal of Human Evolution, 1994, 27, 7-24.	1.3	98
24	Evolution and Environmental Change in Early Human Prehistory. Annual Review of Anthropology, 2012, 41, 151-167.	0.4	83
25	Environmental and Behavioral Evidence Pertaining to the Evolution of Early Homo. Current Anthropology, 2012, 53, S299-S317.	0.8	82
26	Diatomaceous sediments and environmental change in the Pleistocene Olorgesailie Formation, southern Kenya Rift Valley. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 269, 17-37.	1.0	81
27	New perspectives on middle Pleistocene change in the large mammal faunas of East Africa: Damaliscus hypsodon sp. nov. (Mammalia, Artiodactyla) from Lainyamok, Kenya. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 361-362, 84-93.	1.0	80
28	Oldest Evidence of Toolmaking Hominins in a Grassland-Dominated Ecosystem. PLoS ONE, 2009, 4, e7199.	1.1	80
29	Olorgesailie: new excavations and findings in Early and Middle Pleistocene contexts, southern Kenya rift valley. Journal of Human Evolution, 1989, 18, 477-484.	1.3	77
30	Chronology of the Acheulean to Middle Stone Age transition in eastern Africa. Science, 2018, 360, 95-98.	6.0	73
31	Mid-Pleistocene Change in Large Mammal Faunas of East Africa. Quaternary Research, 1995, 43, 106-113.	1.0	71
32	Paleoenvironmental basis of cognitive evolution in great apes. American Journal of Primatology, 2004, 62, 209-228.	0.8	70
33	Increased ecological resource variability during a critical transition in hominin evolution. Science Advances, 2020, 6, .	4.7	68
34	Temporal span of bone accumulations at Olduvai Gorge and implications for early hominid foraging behavior. Paleobiology, 1986, 12, 25-31.	1.3	61
35	Protein Identification of Blood Residues on Experimental Stone Tools. Journal of Archaeological Science, 1996, 23, 289-296.	1.2	60
36	Early Pleistocene habitat in Member 1 Olorgesailie based on paleosol stable isotopes. Journal of Human Evolution, 1999, 37, 721-746.	1.3	60

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37	Current research on the Late Pliocene and Pleistocene deposits north of Homa Mountain, southwestern Kenya. Journal of Human Evolution, 1999, 36, 123-150.	1.3	59
38	A framework for evaluating the influence of climate, dispersal limitation, and biotic interactions using fossil pollen associations across the late Quaternary. Ecography, 2014, 37, 1095-1108.	2.1	57
39	Low trabecular bone density in recent sedentary modern humans. American Journal of Physical Anthropology, 2017, 162, 550-560.	2.1	53
40	Evolution of Early Equus in Italy, Georgia, the Indian Subcontinent, East Africa, and the Origins of African Zebras. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	42
41	Taphonomy, paleoecology, and hominids of Lainyamok, Kenya. Journal of Human Evolution, 1988, 17, 597-614.	1.3	34
42	Wetland sedimentation and associated diatoms in the Pleistocene Olorgesailie Basin, southern Kenya Rift Valley. Sedimentary Geology, 2009, 222, 124-137.	1.0	33
43	Big brains explained. Nature, 2011, 480, 43-44.	13.7	30
44	Provenancing of Hominid and Mammalian Fossils from Kanjera, Kenya, using EDXRF. Journal of Archaeological Science, 1994, 21, 553-563.	1.2	27
45	Investigating Biotic Interactions in Deep Time. Trends in Ecology and Evolution, 2021, 36, 61-75.	4.2	26
46	Eastern African environmental variation and its role in the evolution and cultural change of Homo over the last 1 million years. Journal of Human Evolution, 2021, 157, 103028.	1.3	26
47	The Oltulelei Formation of the southern Kenyan Rift Valley: A chronicle of rapid landscape transformation over the last 500 k.y.. Bulletin of the Geological Society of America, 2018, 130, 1474-1492.	1.6	24
48	Ultrafine clay minerals of the Pleistocene Olorgesailie Formation, southern Kenya Rift: diagenesis and paleoenvironments of early hominins. Clays and Clay Minerals, 2010, 58, 294-310.	0.6	23
49	Facies, geochemistry and diatoms of late Pleistocene Olorgesailie tufas, southern Kenya Rift. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 374, 197-217.	1.0	23
50	Lainyamok, a new middle Pleistocene hominid site. Nature, 1983, 306, 365-368.	13.7	22
51	OLORGESAILIE, KENYA: A MILLION YEARS IN THE LIFE OF A RIFT BASIN. , 2002, , 97-106.		21
52	Excavations and new findings at Kanjera, Kenya. Journal of Human Evolution, 1989, 18, 269-276.	1.3	19
53	Direct radiocarbon dating and DNA analysis of the Darra-i-Kur (Afghanistan) human temporal bone. Journal of Human Evolution, 2017, 107, 86-93.	1.3	19
54	Quaternary geochemical stratigraphy of the Kedongâ€“Olorgesailie section of the southern Kenya Rift valley. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 396, 194-212.	1.0	17

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55	Reply to the comment on â€œDiatomaceous sediments and environmental change in the Pleistocene Olorgesailie Formation, southern Kenya Rift Valleyâ€• by R.B. Owen, R. Potts, A.K. Behrensmeyer and P. Ditchfield [Palaeogeography, Palaeoclimatology, Palaeoecology 269 (2008) 17â€“37]. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 282, 147-148.	1.0	14
56	Reconstructing the Environmental Context of Human Origins in Eastern Africa Through Scientific Drilling. Annual Review of Earth and Planetary Sciences, 2022, 50, 451-476.	4.6	13
57	Hominid fossil sample from Kanjera, Kenya: Description, provenance, and implications of new and earlier discoveries. American Journal of Physical Anthropology, 1995, 96, 7-23.	2.1	12
58	Origin of Reddened and Melted Zones in Pleistocene Sediments of the Olorgesailie Basin, Southern Kenya Rift. Journal of Archaeological Science, 2002, 29, 307-316.	1.2	12
59	Holocene bidirectional river system along the Kenya Rift and its influence on East African faunal exchange and diversity gradients. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	12
60	On an Early Hominid Scavenging Niche. Current Anthropology, 1988, 29, 153-155.	0.8	11
61	On Butchery by Olduvai Hominids. Current Anthropology, 1987, 28, 95-98.	0.8	10
62	Paleoenvironments and the evolution of adaptability in great apes. , 2004, , 237-259.		9
63	Late Pliocene Oldowan excavations at Kanjera South, Kenya. Antiquity, 2001, 75, 809-810.	0.5	7
64	Quaternary diatoms and palaeoenvironments of the Koora Plain, southern Kenya rift. Quaternary Science Reviews, 2021, 267, 107106.	1.4	7
65	Late quaternary biotic homogenization of North American mammalian faunas. Nature Communications, 2022, 13, .	5.8	7
66	Effects of reduced mobility on trabecular bone density in captive big cats. Royal Society Open Science, 2022, 9, 211345.	1.1	5
67	Early Pleistocene hominid teeth recovered in Mohui cave in Bubing Basin, Guangxi, South China. Science Bulletin, 2005, 50, 2777-2782.	1.7	4
68	Paleoclimate and human evolution workshop. Eos, 2006, 87, 161.	0.1	2
69	Lyons et al. reply. Nature, 2016, 538, E3-E4.	13.7	1
70	Exploration of apatite (U Th)/He geochronological analysis of volcanic units in fossil-bearing strata of the Homa Peninsula, southwestern Kenya. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 579, 110599.	1.0	1
71	Early Hominid Activities at Oldwai.. Man; A Monthly Record of Anthropological Science, 1990, 25, 345.	0.3	0
72	Apparent Versus Real Faunal Turnover in the Late Pliocene Vertebrate Record of Africa. The Paleontological Society Special Publications, 1996, 8, 28-28.	0.0	0

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73	Revisiting the Savanna Hypothesis: Effects of Habitat Disturbance On Hominid Evolution. The Paleontological Society Special Publications, 1996, 8, 309-309.	0.0	0
74	Lyons et al. reply. Nature, 2016, 537, E5-E6.	13.7	0
75	Microevolution in our megadont relative. Nature Ecology and Evolution, 2021, 5, 14-16.	3.4	0
76	New developments in sediment coring and implications for understanding human evolution. Theoretical Biology Forum, 2018, 111, 99-104.	0.2	0