Katerina Harvati

List of Publications by Year
in descending order

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140 papers	8,570 citations	61984 43 h-index	49909 87 g-index
148 all docs	148 docs citations	148 times ranked	7400 citing authors

#	Article	IF	Citations
1	New fossils from Jebel Irhoud, Morocco and the pan-African origin of Homo sapiens. Nature, 2017, 546, 289-292.	27.8	822
2	The genetic history of Ice Age Europe. Nature, 2016, 534, 200-205.	27.8	729
3	The genomic history of southeastern Europe. Nature, 2018, 555, 197-203.	27.8	479
4	Early dispersal of modern humans in Europe and implications for Neanderthal behaviour. Nature, 2011, 479, 525-528.	27.8	428
5	Neanderthal behaviour, diet, and disease inferred from ancient DNA in dental calculus. Nature, 2017, 544, 357-361.	27.8	398
6	Human cranial anatomy and the differential preservation of population history and climate signatures. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 1225-1233.	2.0	292
7	Pleistocene Mitochondrial Genomes Suggest a Single Major Dispersal of Non-Africans and a Late Glacial Population Turnover in Europe. Current Biology, 2016, 26, 827-833.	3.9	277
8	Reconstructing the Deep Population History of Central and South America. Cell, 2018, 175, 1185-1197.e22.	28.9	259
9	Neanderthal taxonomy reconsidered: Implications of 3D primate models of intra- and interspecific differences. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1147-1152.	7.1	190
10	Apidima Cave fossils provide earliest evidence of Homo sapiens in Eurasia. Nature, 2019, 571, 500-504.	27.8	188
11	Climate Signatures in the Morphological Differentiation of Worldwide Modern Human Populations. Anatomical Record, 2009, 292, 1720-1733.	1.4	168
12	Climateâ€related variation of the human nasal cavity. American Journal of Physical Anthropology, 2011, 145, 599-614.	2.1	158
13	Evolution of the base of the brain in highly encephalized human species. Nature Communications, 2011, 2, 588.	12.8	144
14	The Neanderthal â€œchignonâ€: Variation, integration, and homology. Journal of Human Evolution, 2007, 52, 262-274.	2.6	138
15	Late Pleistocene Human Skull from Hofmeyr, South Africa, and Modern Human Origins. Science, 2007, 315, 226-229.	12.6	136
16	Genomic and cranial phenotype data support multiple modern human dispersals from Africa and a southern route into Asia. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7248-7253.	7.1	133
17	Strontium isotope evidence of Neanderthal mobility at the site of Lakonis, Greece using laser-ablation PIMMS. Journal of Archaeological Science, 2008, 35, 1251-1256.	2.4	132
18	Quantitative analysis of human mandibular shape using three-dimensional geometric morphometrics. American Journal of Physical Anthropology, 2006, 131, 368-383.	2.1	131

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19	The Neanderthal taxonomic position: models of intra- and inter-specific craniofacial variation. Journal of Human Evolution, 2003, 44, 107-132.	2.6	112
20	The Later Stone Age Calvaria from Iwo Eleru, Nigeria: Morphology and Chronology. PLoS ONE, 2011, 6, e24024.	2.5	107
21	Testing Evolutionary and Dispersion Scenarios for the Settlement of the New World. PLoS ONE, 2010, 5, e11105.	2.5	106
22	Morphological evolution through integration: A quantitative study of cranial integration in Homo, Pan, Gorilla and Pongo. Journal of Human Evolution, 2012, 62, 155-164.	2.6	96
23	Placing late Neanderthals in a climatic context. Nature, 2007, 449, 206-208.	27.8	93
24	Quantitative analysis of Neanderthal temporal bone morphology using three-dimensional geometric morphometrics. American Journal of Physical Anthropology, 2003, 120, 323-338.	2.1	92
25	Evolution of middle-late Pleistocene human cranio-facial form: A 3-D approach. Journal of Human Evolution, 2010, 59, 445-464.	2.6	83
26	The Sambungmacan 3Homo erectuscalvaria: A comparative morphometric and morphological analysis. The Anatomical Record, 2001, 262, 380-397.	1.8	79
27	Cioclovina (Romania): affinities of an early modern European. Journal of Human Evolution, 2007, 53, 732-746.	2.6	76
28	New Neanderthal remains from Mani peninsula, Southern Greece: The Kalamakia Middle Paleolithic cave site. Journal of Human Evolution, 2013, 64, 486-499.	2.6	75
29	Effect of X-ray irradiation on ancient DNA in sub-fossil bones â€“ Guidelines for safe X-ray imaging. Scientific Reports, 2016, 6, 32969.	3.3	74
30	The evolution and changing ecology of the African hominid oral microbiome. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	74
31	Paleoamerican morphology in the context of European and East Asian late Pleistocene variation: Implications for human dispersion into the new world. American Journal of Physical Anthropology, 2011, 144, 442-453.	2.1	72
32	Dental calculus indicates widespread plant use within the stable Neanderthal dietary niche. Journal of Human Evolution, 2018, 119, 27-41.	2.6	71
33	First Neanderthal remains from Greece: the evidence from Lakonis. Journal of Human Evolution, 2003, 45, 465-473.	2.6	67
34	Middle Pleistocene human facial morphology in an evolutionary and developmental context. Journal of Human Evolution, 2012, 63, 723-740.	2.6	64
35	The paleoanthropology of Greece. Evolutionary Anthropology, 2009, 18, 131-143.	3.4	61
36	A comprehensive morphometric analysis of the frontal and zygomatic bone of the Zuttiyeh fossil from Israel. Journal of Human Evolution, 2012, 62, 225-241.	2.6	60

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37	Testing modern human out-of-Africa dispersal models and implications for modern human origins. Journal of Human Evolution, 2015, 87, 95-106.	2.6	58
38	The evolutionary history of the human face. Nature Ecology and Evolution, 2019, 3, 726-736.	7.8	57
39	Brief communication: Dental development and enamel thickness in the Lakonis Neanderthal molar. American Journal of Physical Anthropology, 2009, 138, 112-118.	2.1	53
40	The contribution of subsistence to global human cranial variation. Journal of Human Evolution, 2015, 80, 34-50.	2.6	50
41	Occupational manual activity is reflected on the patterns among hand entheses. American Journal of Physical Anthropology, 2017, 164, 30-40.	2.1	49
42	The Palaeolithic record of Greece: A synthesis of the evidence and a research agenda for the future. Quaternary International, 2018, 466, 48-65.	1.5	49
43	Sexual dimorphism of the bony labyrinth: A new ageâ€independent method. American Journal of Physical Anthropology, 2013, 151, 290-301.	2.1	47
44	Patterns of activity adaptation in humeral trabecular bone in Neolithic humans and presentâ€day people. American Journal of Physical Anthropology, 2016, 159, 106-115.	2.1	46
45	Reconstructing human population history from dental phenotypes. Scientific Reports, 2017, 7, 12495.	3.3	46
46	Evaluating developmental shape changes in Homo antecessor subadult facial morphology. Journal of Human Evolution, 2013, 65, 404-423.	2.6	45
47	Into Eurasia: A geometric morphometric re-assessment of the Upper Cave (Zhoukoudian) specimens. Journal of Human Evolution, 2009, 57, 751-762.	2.6	44
48	Evidence for precision grasping in Neandertal daily activities. Science Advances, 2018, 4, eaat2369.	10.3	43
49	The skeleton of a straight-tusked elephant (Palaeoloxodon antiquus) and other large mammals from the Middle Pleistocene butchering locality Marathousa 1 (Megalopolis Basin, Greece): preliminary results. Quaternary International, 2018, 497, 65-84.	1.5	41
50	Two new vertebrate localities from the Early Pleistocene of Mygdonia Basin (Macedonia, Greece): Preliminary results. Comptes Rendus - Palevol, 2015, 14, 353-362.	0.2	40
51	Multivariate analysis and classification of the Apidima 2 cranium from Mani, Southern Greece. Journal of Human Evolution, 2011, 60, 246-250.	2.6	39
52	A comparison of proximal humeral cancellous bone of great apes and humans. Journal of Human Evolution, 2013, 65, 29-38.	2.6	37
53	Biomechanics of the human thumb and the evolution of dexterity. Current Biology, 2021, 31, 1317-1325.e8.	3.9	36
54	Adaptation to suspensory locomotion in Australopithecus sediba. Journal of Human Evolution, 2017, 104, 1-12.	2.6	33

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55	Experimental proof that multivariate patterns among muscle attachments (entheses) can reflect repetitive muscle use. Scientific Reports, 2019, 9, 16577.	3.3	32
56	Late Pleistocene Archaeological and Fossil Human Evidence from Lakonis Cave, Southern Greece. Journal of Field Archaeology, 2002, 29, 323.	1.3	30
57	Lithic artifacts and bone tools from the Lower Palaeolithic site Marathousa 1, Megalopolis, Greece: Preliminary results. Quaternary International, 2018, 497, 47-64.	1.5	30
58	A reassessment of the Neanderthal teeth from Taddeo cave (southern Italy). Journal of Human Evolution, 2011, 61, 377-387.	2.6	29
59	Homo floresiensis Contextualized: A Geometric Morphometric Comparative Analysis of Fossil and Pathological Human Samples. PLoS ONE, 2013, 8, e69119.	2.5	29
60	2000-year-old pathogen genomes reconstructed from metagenomic analysis of Egyptian mummified individuals. BMC Biology, 2020, 18, 108.	3.8	29
61	Return of the last Neanderthal. Nature, 2006, 443, 762-763.	27.8	28
62	A human deciduous molar from the Middle Stone Age (Howiesons Poort) of Klipdrift Shelter, South Africa. Journal of Human Evolution, 2015, 82, 190-196.	2.6	27
63	Genomic validation of the differential preservation of population history in modern human cranial anatomy. American Journal of Physical Anthropology, 2017, 162, 170-179.	2.1	27
64	Late Pleistocene Archaeological and Fossil Human Evidence from Lakonis Cave, Southern Greece. Journal of Field Archaeology, 2004, 29, 323-349.	1.3	26
65	Covariation in the Human Masticatory Apparatus. Anatomical Record, 2015, 298, 64-84.	1.4	25
66	A repeatable geometric morphometric approach to the analysis of hand entheseal threeâ€dimensional form. American Journal of Physical Anthropology, 2018, 166, 246-260.	2.1	25
67	Facial shape differences between rats selected for tame and aggressive behaviors. PLoS ONE, 2017, 12, e0175043.	2.5	24
68	Beyond maps: Patterns of formation processes at the Middle Pleistocene open-air site of Marathousa 1, Megalopolis basin, Greece. Quaternary International, 2018, 497, 137-153.	1.5	24
69	Extraction and sequencing of human and Neanderthal mature enamel proteins using MALDI-TOF/TOF MS. Journal of Archaeological Science, 2009, 36, 1758-1763.	2.4	23
70	The Lower Palaeolithic site of Marathousa 1, Megalopolis, Greece: Overview of the evidence. Quaternary International, 2018, 497, 33-46.	1.5	23
71	Experimental evidence that physical activity affects the multivariate associations among muscle attachments (entheses). Journal of Experimental Biology, 2019, 222, .	1.7	23
72	Inferring the use of forelimb suspensory locomotion by extinct primate species via shape exploration of the ulna. Journal of Human Evolution, 2015, 78, 70-79.	2.6	21

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73	Enamel thickness variation of deciduous first and second upper molars in modern humans and Neanderthals. Journal of Human Evolution, 2014, 76, 83-91.	2.6	20
74	Similar cranial trauma prevalence among Neanderthals and Upper Palaeolithic modern humans. Nature, 2018, 563, 686-690.	27.8	20
75	New Middle Palaeolithic sites from the Mani Peninsula, Southern Greece. Journal of Field Archaeology, 2016, 41, 68-83.	1.3	18
76	Virtual Assessment of the Endocranial Morphology of the Early Modern European Fossil Calvaria From Cioclovina, Romania. Anatomical Record, 2011, 294, 1083-1092.	1.4	17
77	Testing Modern Human Out-of-Africa Dispersal Models Using Dental Nonmetric Data. Current Anthropology, 2017, 58, S406-S417.	1.6	17
78	Magnetostratigraphic and chronostratigraphic constraints on the Marathousa 1 Lower Palaeolithic site and the Middle Pleistocene deposits of the Megalopolis basin, Greece. Quaternary International, 2018, 497, 154-169.	1.5	17
79	New horizons in reconstructing past human behavior: Introducing the â€œTÃ¼bingen University Validated Enthesesâ€based Reconstruction of Activityâ€•method. Evolutionary Anthropology, 2021, 30, 185-198.	3.4	17
80	Inner ear morphology of the cioclovina early modern European calvaria from Romania. American Journal of Physical Anthropology, 2016, 160, 62-70.	2.1	16
81	Hunted or Scavenged Neanderthals? Taphonomic Approach to Hominin Fossils with Carnivore Damage. International Journal of Osteoarchaeology, 2017, 27, 606-620.	1.2	16
82	Biocultural evidence of precise manual activities in an Early Holocene individual of the highâ€altitude Peruvian Andes. American Journal of Physical Anthropology, 2021, 174, 35-48.	2.1	16
83	Dental Eruption Sequences in Fossil Colobines and the Evolution of Primate Life Histories. International Journal of Primatology, 2007, 28, 705-728.	1.9	15
84	New cranium of the large cercopithecid primate Theropithecus oswaldi leakeyi (Hopwood, 1934) from the paleoanthropological site of Makuyuni, Tanzania. Journal of Human Evolution, 2017, 109, 46-56.	2.6	15
85	Revisiting Ursus etruscus (Carnivora, Mammalia) from the Early Pleistocene of Greece with description of new material. Quaternary International, 2018, 497, 222-239.	1.5	15
86	State of the art forensic techniques reveal evidence of interpersonal violence ca. 30,000 years ago. PLoS ONE, 2019, 14, e0216718.	2.5	15
87	Population history of southern Italy during Greek colonization inferred from dental remains. American Journal of Physical Anthropology, 2019, 170, 519-534.	2.1	15
88	Geochronology of the Manyara Beds, northern Tanzania: New tephrostratigraphy, magnetostratigraphy and 40Ar/39Ar ages. Quaternary Geochronology, 2012, 7, 48-66.	1.4	14
89	Paranasal sinuses: A problematic proxy for climate adaptation in Neanderthals. Journal of Human Evolution, 2016, 97, 176-179.	2.6	14
90	Tracking modern human population history from linguistic and cranial phenotype. Scientific Reports, 2016, 6, 36645.	3.3	14

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91	Sedimentology and micromorphology of the Lower Palaeolithic lakeshore site Marathousa 1, Megalopolis basin, Greece. Quaternary International, 2018, 497, 123-136.	1.5	14
92	Pleistocene vertebrates from the KyparÃssia lignite mine, Megalopolis Basin, S. Greece: Testudines, Aves, Suiformes. Quaternary International, 2018, 497, 178-197.	1.5	14
93	In search of Pleistocene remains at the Gates of Europe: Directed surface survey of the Megalopolis Basin (Greece). Quaternary International, 2018, 497, 22-32.	1.5	13
94	Is Bone Elevation in Hand Muscle Attachments Associated with Biomechanical Stress? A Histological Approach to an Anthropological Question. Anatomical Record, 2019, 302, 1093-1103.	1.4	13
95	The small mammal fauna from the palaeolithic site Marathousa 1 (Greece). Quaternary International, 2018, 497, 95-107.	1.5	12
96	Optical dating of K-feldspar grains from Middle Pleistocene lacustrine sediment at Marathousa 1 (Greece). Quaternary International, 2018, 497, 170-177.	1.5	12
97	Dating of the Lower Pleistocene Vertebrate Site of Tsiotra Vryssi (Mygdonia Basin, Greece): Biochronology, Magnetostratigraphy, and Cosmogenic Radionuclides. Quaternary, 2021, 4, 1.	2.0	12
98	ESR Dating Ungulate Teeth and Molluscs from the Paleolithic Site Marathousa 1, Megalopolis Basin, Greece. Quaternary, 2018, 1, 22.	2.0	11
99	A palaeoenvironmental reconstruction (based on palaeobotanical data and diatoms) of the Middle Pleistocene elephant (Palaeoloxodon antiquus) butchery site at Marathousa, Megalopolis, Greece. Quaternary International, 2018, 497, 108-122.	1.5	11
100	Neandertal variation and taxonomyâ€"a reply to Ackermann (2005) and Ahern et al. (2005). Journal of Human Evolution, 2005, 48, 653-660.	2.6	10
101	Paleoanthropology in Greece: Recent Findings and Interpretations. Vertebrate Paleobiology and Paleoanthropology, 2016, , 3-14.	0.5	10
102	The Human Fossil Record from Romania: Early Upper Paleolithic European Mandibles and Neanderthal Admixture. Vertebrate Paleobiology and Paleoanthropology, 2016, , 51-68.	0.5	10
103	A cross-population study of sexual dimorphism in the bony labyrinth. Archaeological and Anthropological Sciences, 2020, 12, .	1.8	10
104	The ornithological remains from Marathousa 1 (Middle Pleistocene; Megalopolis Basin, Greece). Quaternary International, 2018, 497, 85-94.	1.5	9
105	Neanderthals and Their Contemporaries. , 2015, , 2243-2279.		9
106	Response to Nowell and Horstwood (2009). Journal of Archaeological Science, 2009, 36, 1657-1658.	2.4	8
107	Geometric Morphometrics and Virtual Anthropology: Advances in human evolutionary studies. Anthropologischer Anzeiger, 2014, 71, 41-55.	0.4	8
108	A virtual reconstruction and comparative analysis of the KNM-ER 42700 cranium. Anthropologischer Anzeiger, 2015, 72, 129-140.	0.4	8

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109	Evidence for Migration Influx into the Ancient Greek Colony of Metaponto: A Population Genetics Approach Using Dental Nonmetric Traits. International Journal of Osteoarchaeology, 2017, 27, 453-464.	1.2	7
110	A new threeâ€dimensional geometric morphometrics analysis of the Ouranopithecus macedoniensis cranium (Late Miocene, Central Macedonia, Greece). American Journal of Physical Anthropology, 2019, 170, 295-307.	2.1	6
111	Basicranial ontogeny comparison in Pan troglodytes and Homo sapiens and its use for developmental stage definition of KNMâ€ER 42700. American Journal of Physical Anthropology, 2019, 170, 579-594.	2.1	6
112	Recursive anisotropy: a spatial taphonomic study of the Early Pleistocene vertebrate assemblage of Tsiotra Vryssi, Mygdonia Basin, Greece. Boreas, 2019, 48, 713-730.	2.4	6
113	Prevalence of cranial trauma in Eurasian Upper Paleolithic humans. American Journal of Physical Anthropology, 2021, 174, 268-284.	2.1	6
114	Neanderthals. Evolution: Education and Outreach, 2010, 3, 367-376.	0.8	5
115	Geometric morphometric analysis and internal structure measurements of the Neanderthal lower fourth premolars from Kalamakia, Greece. Quaternary International, 2018, 497, 14-21.	1.5	5
116	Revisiting Eastâ€“West Skull Patterns and the Role of Random Factors in South America: Cranial Reconstruction and Morphometric Analysis of the Facial Skeleton from Cuncaicha Rockshelter (Southern Peru). PaleoAmerica, 2019, 5, 315-334.	1.5	5
117	Human teeth from securely stratified Middle Stone Age contexts at Sibudu, South Africa. Archaeological and Anthropological Sciences, 2019, 11, 3491-3501.	1.8	5
118	A virtual assessment of the suprainiac depressions on the Eyasi I (Tanzania) and Aduma ADU-VP-1/3 (Ethiopia) Pleistocene hominin crania. Journal of Human Evolution, 2020, 145, 102815.	2.6	5
119	Retrodeformation of the Steinheim Cranium: Insights into the Evolution of Neanderthals. Symmetry, 2021, 13, 1611.	2.2	5
120	A virtual assessment of the proposed suprainiac fossa on the early modern European calvaria from Cioclovina, Romania. American Journal of Physical Anthropology, 2019, 169, 567-574.	2.1	4
121	First record of Macaca (Cercopithecidae, Primates) in the Middle Pleistocene of Greece. Journal of Human Evolution, 2022, 162, 103104.	2.6	4
122	Late Pleistocene Neanderthal occupation of Western Mani: The evidence from the Middle Palaeolithic assemblages of Mavri Spilia. Quaternary International, 2018, 497, 4-13.	1.5	3
123	New insights into the manual activities of individuals from the Phaleron cemetery (Archaic Athens,) Tj ETQq1 1 0.784314 rgBT /Overlo	2.4	3
124	Lake-Level Changes and Their Paleo-Climatic Implications at the MIS12 Lower Paleolithic (Middle) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	1.8	3
125	The Hominin Fossil Record from Greece. , 2022, , 669-688.		3
126	Frontal bone virtual reconstruction and geometric morphometric analysis of the mid-Pleistocene hominin KNM-OG 45500 (Olorgesailie, Kenya). Journal of Anthropological Sciences, 2020, 98, 49-72.	0.4	3

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127	Neanderthals: Fossil evidence and DNA. Anthropologischer Anzeiger, 2011, 68, 379-392.	0.4	2
128	Using elliptical best fits to characterize dental shapes. American Journal of Physical Anthropology, 2016, 159, 342-347.	2.1	2
129	Comparing Rates of Linage Diversification with Rates of Size and Shape Evolution in Catarrhine Crania. Evolutionary Biology, 2020, 47, 152-163.	1.1	2
130	Crown outline analysis of the hominin upper third molar from the Megalopolis Basin, Peloponnese, Greece. Words, Bones, Genes, Tools, 2021, , 13-36.	0.0	2
131	Cranial Morphology of Early South Americans: Implications for Understanding Human Dispersion into the New World. , 2015, , 103-116.		2
132	Neanderthals and Their Contemporaries. , 2014, , 1-35.		2
133	Filling the Geographic Gaps in the Human Evolutionary Story. Quaternary International, 2018, 466, 1-2.	1.5	1
134	<scp>3D</scp> geometric morphometrics analysis of mandibular fragments of Ouranopithecus macedoniensis from the late Miocene deposits of Central Macedonia, Greece. American Journal of Biological Anthropology, 2022, 177, 48-62.	1.1	1
135	Neanderthals and Modern Humans: An Ecological and Evolutionary Perspective (review). Human Biology, 2005, 77, 409-413.	0.2	0
136	Virtual Assessment of the Endocranial Morphology of the Early Modern European Fossil Calvaria From Cioclovina, Romania. Anatomical Record, 2011, 294, spc1.	1.4	0
137	Katerina Harvati. Current Biology, 2021, 31, R418-R419.	3.9	0
138	Ancient Connections in Eurasia. Words, Bones, Genes, Tools, 2021, , .	0.0	0
139	Cioclovina fractures: Reply to Soficaru and Trinkaus: Perimortem versus postmortem damage: The recent case of Cioclovina 1, Am J Phys Anthropol 2020 172, 135â€“139. American Journal of Physical Anthropology, 2021, 174, 575-579.	2.1	0
140	Direct U-series dating of the Apidima C human remains. Words, Bones, Genes, Tools, 2021, , 37-55.	0.0	0