

Sarah A Tishkoff

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

19,110
citations

22153

59
h-index

21540

114
g-index

122
all docs

122
docs citations

122
times ranked

22832
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in integrative African genomics. <i>Trends in Genetics</i> , 2022, 38, 152-168.	6.7	6
2	Importance of Including Non-European Populations in Large Human Genetic Studies to Enhance Precision Medicine. <i>Annual Review of Biomedical Data Science</i> , 2022, 5, 321-339.	6.5	17
3	Impact of natural selection on global patterns of genetic variation and association with clinical phenotypes at genes involved in SARS-CoV-2 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2123000119.	7.1	7
4	Embracing African Genetic Diversity. <i>Med</i> , 2021, 2, 19-20.	4.4	4
5	Admixture/fine-mapping in Brazilians reveals a West African associated potential regulatory variant (rs114066381) with a strong female-specific effect on body mass and fat mass indexes. <i>International Journal of Obesity</i> , 2021, 45, 1017-1029.	3.4	4
6	Human origins in Southern African palaeo-wetlands? Strong claims from weak evidence. <i>Journal of Archaeological Science</i> , 2021, 130, 105374.	2.4	9
7	The quagmire of race, genetic ancestry, and health disparities. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	14
8	FLG Variation Differs between European Americans and African Americans. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1855-1857.	0.7	7
9	NNT mediates redox-dependent pigmentation via a UVB- and MITF-independent mechanism. <i>Cell</i> , 2021, 184, 4268-4283.e20.	28.9	35
10	Redondovirus Diversity and Evolution on Global, Individual, and Molecular Scales. <i>Journal of Virology</i> , 2021, 95, e0081721.	3.4	12
11	Race in Medicine – Genetic Variation, Social Categories, and Paths to Health Equity. <i>New England Journal of Medicine</i> , 2021, 385, e45.	27.0	18
12	Evolutionary genetics of skin pigmentation in African populations. <i>Human Molecular Genetics</i> , 2021, 30, R88-R97.	2.9	23
13	NIH must confront the use of race in science. <i>Science</i> , 2020, 369, 1313-1314.	12.6	53
14	2019 Curt Stern Award Address. <i>American Journal of Human Genetics</i> , 2020, 106, 297-298.	6.2	0
15	Editorial overview: Evolutionary genomics – from molecular mechanisms to phenotypes to populations. <i>Current Opinion in Genetics and Development</i> , 2020, 62, iii-iv.	3.3	0
16	Genetics and geography of leukocyte telomere length in sub-Saharan Africans. <i>Human Molecular Genetics</i> , 2020, 29, 3014-3020.	2.9	5
17	The road ahead in genetics and genomics. <i>Nature Reviews Genetics</i> , 2020, 21, 581-596.	16.3	118
18	Utilizing nanopore sequencing technology for the rapid and comprehensive characterization of eleven HLA loci; addressing the need for deceased donor expedited HLA typing. <i>Human Immunology</i> , 2020, 81, 413-422.	2.4	37

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19	The importance of including ethnically diverse populations in studies of quantitative trait evolution. <i>Current Opinion in Genetics and Development</i> , 2020, 62, 30-35.	3.3	5
20	Origins, Admixture Dynamics, and Homogenization of the African Gene Pool in the Americas. <i>Molecular Biology and Evolution</i> , 2020, 37, 1647-1656.	8.9	43
21	Interaction between host genes and Mycobacterium tuberculosis lineage can affect tuberculosis severity: Evidence for coevolution?. <i>PLoS Genetics</i> , 2020, 16, e1008728.	3.5	40
22	Lifestyle and the presence of helminths is associated with gut microbiome composition in Cameroonians. <i>Genome Biology</i> , 2020, 21, 122.	8.8	48
23	Meta-analysis of GWA studies provides new insights on the genetic architecture of skin pigmentation in recently admixed populations. <i>BMC Genetics</i> , 2019, 20, 59.	2.7	32
24	Population structure of human gut bacteria in a diverse cohort from rural Tanzania and Botswana. <i>Genome Biology</i> , 2019, 20, 16.	8.8	66
25	African evolutionary history inferred from whole genome sequence data of 44 indigenous African populations. <i>Genome Biology</i> , 2019, 20, 82.	8.8	84
26	Genetic signatures of gene flow and malaria-driven natural selection in sub-Saharan populations of the "endemic Burkitt Lymphoma belt". <i>PLoS Genetics</i> , 2019, 15, e1008027.	3.5	23
27	The Missing Diversity in Human Genetic Studies. <i>Cell</i> , 2019, 177, 26-31.	28.9	838
28	The Plight of Muntaser Ibrahim. <i>PLoS Genetics</i> , 2019, 15, e1008100.	3.5	1
29	Genomic evidence for shared common ancestry of East African hunting-gathering populations and insights into local adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4166-4175.	7.1	40
30	Genetics of cognitive trajectory in Brazilians: 15 years of follow-up from the Bambuí-Epigen Cohort Study of Aging. <i>Scientific Reports</i> , 2019, 9, 18085.	3.3	6
31	Investigating zoonotic infection barriers to ape Plasmodium parasites using faecal DNA analysis. <i>International Journal for Parasitology</i> , 2018, 48, 531-542.	3.1	9
32	The molecular epidemiology of Huntington disease is related to intermediate allele frequency and haplotype in the general population. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2018, 177, 346-357.	1.7	60
33	Genetic Hitchhiking and Population Bottlenecks Contribute to Prostate Cancer Disparities in Men of African Descent. <i>Cancer Research</i> , 2018, 78, 2432-2443.	0.9	52
34	Divergent Patterns of Mitochondrial and Nuclear Ancestry Are Associated with the Risk for Preterm Birth. <i>Journal of Pediatrics</i> , 2018, 194, 40-46.e4.	1.8	18
35	A polymorphic residue that attenuates the antiviral potential of interferon lambda 4 in hominid lineages. <i>PLoS Pathogens</i> , 2018, 14, e1007307.	4.7	25
36	Phylogeny Estimation by Integration over Isolation with Migration Models. <i>Molecular Biology and Evolution</i> , 2018, 35, 2805-2818.	8.9	89

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37	Tracing the peopling of the world through genomics. <i>Nature</i> , 2017, 541, 302-310.	27.8	562
38	Global variation in gene expression and the value of diverse sampling. <i>Current Opinion in Systems Biology</i> , 2017, 1, 102-108.	2.6	29
39	Loci associated with skin pigmentation identified in African populations. <i>Science</i> , 2017, 358, .	12.6	260
40	Going global by adapting local: A review of recent human adaptation. <i>Science</i> , 2016, 354, 54-59.	12.6	254
41	The Simons Genome Diversity Project: 300 genomes from 142 diverse populations. <i>Nature</i> , 2016, 538, 201-206.	27.8	1,216
42	Genomic analyses inform on migration events during the peopling of Eurasia. <i>Nature</i> , 2016, 538, 238-242.	27.8	360
43	Inferences of African evolutionary history from genomic data. <i>Current Opinion in Genetics and Development</i> , 2016, 41, 159-166.	3.3	34
44	A Locus at 5q33.3 Confers Resistance to Tuberculosis in Highly Susceptible Individuals. <i>American Journal of Human Genetics</i> , 2016, 98, 514-524.	6.2	78
45	Whole-genome sequence analyses of Western Central African Pygmy hunter-gatherers reveal a complex demographic history and identify candidate genes under positive natural selection. <i>Genome Research</i> , 2016, 26, 279-290.	5.5	54
46	Model-based analyses of whole-genome data reveal a complex evolutionary history involving archaic introgression in Central African Pygmies. <i>Genome Research</i> , 2016, 26, 291-300.	5.5	87
47	Taking race out of human genetics. <i>Science</i> , 2016, 351, 564-565.	12.6	474
48	Shorter telomere length in Europeans than in Africans due to polygenetic adaptation. <i>Human Molecular Genetics</i> , 2016, 25, 2324-2330.	2.9	86
49	Telomere Length and the Cancer–Atherosclerosis Trade-Off. <i>PLoS Genetics</i> , 2016, 12, e1006144.	3.5	72
50	<i>DCAF4</i> , a novel gene associated with leucocyte telomere length. <i>Journal of Medical Genetics</i> , 2015, 52, 157-162.	3.2	66
51	Global diversity, population stratification, and selection of human copy-number variation. <i>Science</i> , 2015, 349, aab3761.	12.6	293
52	A recent bottleneck of Y chromosome diversity coincides with a global change in culture. <i>Genome Research</i> , 2015, 25, 459-466.	5.5	348
53	Strength in small numbers. <i>Science</i> , 2015, 349, 1282-1283.	12.6	21
54	Genetic Origins of Lactase Persistence and the Spread of Pastoralism in Africa. <i>American Journal of Human Genetics</i> , 2014, 94, 496-510.	6.2	174

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55	Origin and Differential Selection of Allelic Variation at TAS2R16 Associated with Salicin Bitter Taste Sensitivity in Africa. <i>Molecular Biology and Evolution</i> , 2014, 31, 288-302.	8.9	43
56	The peopling of the African continent and the diaspora into the new world. <i>Current Opinion in Genetics and Development</i> , 2014, 29, 120-132.	3.3	45
57	Ancient human genomes suggest three ancestral populations for present-day Europeans. <i>Nature</i> , 2014, 513, 409-413.	27.8	1,179
58	Limited evidence for adaptive evolution and functional effect of allelic variation at rs702424 in the promoter of the TAS2R16 bitter taste receptor gene in Africa. <i>Journal of Human Genetics</i> , 2014, 59, 349-352.	2.3	4
59	Genetic Variation and Adaptation in Africa: Implications for Human Evolution and Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a008524-a008524.	5.5	87
60	Biased Gene Conversion Skews Allele Frequencies in Human Populations, Increasing the Disease Burden of Recessive Alleles. <i>American Journal of Human Genetics</i> , 2014, 95, 408-420.	6.2	57
61	Patterns of nucleotide and haplotype diversity at ICAM-1 across global human populations with varying levels of malaria exposure. <i>Human Genetics</i> , 2013, 132, 987-999.	3.8	5
62	SNP ascertainment bias in population genetic analyses: Why it is important, and how to correct it. <i>BioEssays</i> , 2013, 35, 780-786.	2.5	283
63	Population Genomics of Human Adaptation. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013, 44, 123-143.	8.3	81
64	Recent human adaptation: genomic approaches, interpretation and insights. <i>Nature Reviews Genetics</i> , 2013, 14, 692-702.	16.3	105
65	Identifying Darwinian Selection Acting on Different Human APOL1 Variants among Diverse African Populations. <i>American Journal of Human Genetics</i> , 2013, 93, 54-66.	6.2	91
66	Great ape genetic diversity and population history. <i>Nature</i> , 2013, 499, 471-475.	27.8	768
67	Apparent Variation in Neanderthal Admixture among African Populations is Consistent with Gene Flow from Non-African Populations. <i>Genome Biology and Evolution</i> , 2013, 5, 2075-2081.	2.5	31
68	Sequence Diversity of Pan troglodytes Subspecies and the Impact of WFDC6 Selective Constraints in Reproductive Immunity. <i>Genome Biology and Evolution</i> , 2013, 5, 2512-2523.	2.5	1
69	Patterns of Ancestry, Signatures of Natural Selection, and Genetic Association with Stature in Western African Pygmies. <i>PLoS Genetics</i> , 2012, 8, e1002641.	3.5	118
70	A founder mutation in LEPRE1 carried by 1.5% of West Africans and 0.4% of African Americans causes lethal recessive osteogenesis imperfecta. <i>Genetics in Medicine</i> , 2012, 14, 543-551.	2.4	49
71	The genetic prehistory of southern Africa. <i>Nature Communications</i> , 2012, 3, 1143.	12.8	271
72	Genome-wide meta-analysis points to CTC1 and ZNF676 as genes regulating telomere homeostasis in humans. <i>Human Molecular Genetics</i> , 2012, 21, 5385-5394.	2.9	210

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73	Specific inactivation of two immunomodulatory <i>SIGLEC</i> genes during human evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9935-9940.	7.1	64
74	Genetic adaptation to high altitude in the Ethiopian highlands. <i>Genome Biology</i> , 2012, 13, R1.	9.6	327
75	Evolutionary History and Adaptation from High-Coverage Whole-Genome Sequences of Diverse African Hunter-Gatherers. <i>Cell</i> , 2012, 150, 457-469.	28.9	289
76	Evolution of Functionally Diverse Alleles Associated with PTC Bitter Taste Sensitivity in Africa. <i>Molecular Biology and Evolution</i> , 2012, 29, 1141-1153.	8.9	80
77	Structural diversity and African origin of the 17q21.31 inversion polymorphism. <i>Nature Genetics</i> , 2012, 44, 872-880.	21.4	129
78	Human evolutionary genomics: ethical and interpretive issues. <i>Trends in Genetics</i> , 2012, 28, 137-145.	6.7	18
79	Effects of Natural Selection and Gene Conversion on the Evolution of Human Glycophorins Coding for MNS Blood Polymorphisms in Malaria-Endemic African Populations. <i>American Journal of Human Genetics</i> , 2011, 88, 741-754.	6.2	52
80	Haplotype variation and genotype imputation in African populations. <i>Genetic Epidemiology</i> , 2011, 35, 766-780.	1.3	39
81	Characterization of genetic variation and natural selection at the arylamine <i>N</i> -acetyltransferase genes in global human populations. <i>Pharmacogenomics</i> , 2011, 12, 1545-1558.	1.3	38
82	Evidence from Cameroon reveals differences in the genetic structure and histories of chimpanzee populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4766-4771.	7.1	103
83	The Evolution of Human Genetic and Phenotypic Variation in Africa. <i>Current Biology</i> , 2010, 20, R166-R173.	3.9	169
84	Ten years of genetics and genomics: what have we achieved and where are we heading?. <i>Nature Reviews Genetics</i> , 2010, 11, 723-733.	16.3	65
85	Working toward a synthesis of archaeological, linguistic, and genetic data for inferring African population history. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8931-8938.	7.1	98
86	Genome-wide patterns of population structure and admixture in West Africans and African Americans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 786-791.	7.1	430
87	The Genetic Structure and History of Africans and African Americans. <i>Science</i> , 2009, 324, 1035-1044.	12.6	1,267
88	Genetic studies of African populations: an overview on disease susceptibility and response to vaccines and therapeutics. <i>Human Genetics</i> , 2008, 123, 557-598.	3.8	79
89	African Genetic Diversity: Implications for Human Demographic History, Modern Human Origins, and Complex Disease Mapping. <i>Annual Review of Genomics and Human Genetics</i> , 2008, 9, 403-433.	6.2	625
90	Y-chromosomal evidence of a pastoralist migration through Tanzania to southern Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10693-10698.	7.1	133

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91	History of Click-Speaking Populations of Africa Inferred from mtDNA and Y Chromosome Genetic Variation. <i>Molecular Biology and Evolution</i> , 2007, 24, 2180-2195.	8.9	202
92	Whole-mtDNA Genome Sequence Analysis of Ancient African Lineages. <i>Molecular Biology and Evolution</i> , 2007, 24, 757-768.	8.9	234
93	Convergent adaptation of human lactase persistence in Africa and Europe. <i>Nature Genetics</i> , 2007, 39, 31-40.	21.4	1,375
94	African human diversity, origins and migrations. <i>Current Opinion in Genetics and Development</i> , 2006, 16, 597-605.	3.3	98
95	Whole genome computational comparative genomics: A fruitful approach for ascertaining Alu insertion polymorphisms. <i>Gene</i> , 2006, 365, 11-20.	2.2	53
96	Elevated male European and female African contributions to the genomes of African American individuals. <i>Human Genetics</i> , 2006, 120, 713-722.	3.8	84
97	Divergent Haplotypes and Human History as Revealed in a Worldwide Survey of X-Linked DNA Sequence Variation. <i>Molecular Biology and Evolution</i> , 2006, 24, 687-698.	8.9	17
98	Contrasting Histories of G6PD Molecular Evolution and Malarial Resistance in Humans and Chimpanzees. <i>Molecular Biology and Evolution</i> , 2006, 23, 1592-1601.	8.9	31
99	Positive Selection Can Create False Hotspots of Recombination. <i>Genetics</i> , 2006, 172, 2011-2014.	2.9	48
100	Ongoing Adaptive Evolution of <i>ASPM</i> , a Brain Size Determinant in <i>Homo sapiens</i> . <i>Science</i> , 2005, 309, 1720-1722.	12.6	445
101	<i>Microcephalin</i> , a Gene Regulating Brain Size, Continues to Evolve Adaptively in Humans. <i>Science</i> , 2005, 309, 1717-1720.	12.6	447
102	G6PD Deficiency and Malarial Resistance in Humans: Insights from Evolutionary Genetic Analyses. , 2004, , 113-140.		9
103	Implications of biogeography of human populations for 'race' and medicine. <i>Nature Genetics</i> , 2004, 36, S21-S27.	21.4	403
104	Molecular characterization of G6PD deficiency in Cyprus. <i>Blood Cells, Molecules, and Diseases</i> , 2004, 33, 25-30.	1.4	20
105	A High-Density Admixture Map for Disease Gene Discovery in African Americans. <i>American Journal of Human Genetics</i> , 2004, 74, 1001-1013.	6.2	416
106	Signatures of Selection and Gene Conversion Associated with Human Color Vision Variation. <i>American Journal of Human Genetics</i> , 2004, 75, 363-375.	6.2	91
107	Patterns of Human Genetic Diversity: Implications for Human Evolutionary History and Disease. <i>Annual Review of Genomics and Human Genetics</i> , 2003, 4, 293-340.	6.2	302
108	Role of evolutionary history on haplotype block structure in the human genome: implications for disease mapping. <i>Current Opinion in Genetics and Development</i> , 2003, 13, 569-575.	3.3	69

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109	Evidence for Balancing Selection from Nucleotide Sequence Analyses of Human G6PD. <i>American Journal of Human Genetics</i> , 2002, 71, 1112-1128.	6.2	136
110	Genetic analysis of African populations: human evolution and complex disease. <i>Nature Reviews Genetics</i> , 2002, 3, 611-621.	16.3	310
111	Estimating European admixture in African Americans by using microsatellites and a microsatellite haplotype (CD4/Alu). <i>Human Genetics</i> , 1999, 104, 149-157.	3.8	45
112	Genetic Structure of the Ancestral Population of Modern Humans. <i>Journal of Molecular Evolution</i> , 1998, 47, 146-155.	1.8	100
113	Nuclear DNA diversity in worldwide distributed human populations. <i>Gene</i> , 1997, 205, 161-171.	2.2	90
114	Molecular haplotyping of genetic markers 10 kb apart by allele-specific long-range PCR. <i>Nucleic Acids Research</i> , 1996, 24, 4841-4843.	14.5	137