

# Stephen F Schaffner

## List of Publications by Year in descending order

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77  
papers

43,541  
citations

41344

49  
h-index

85541

71  
g-index

85  
all docs

85  
docs citations

85  
times ranked

60181  
citing authors

#	ARTICLE	IF	CITATIONS
1	A global reference for human genetic variation. <i>Nature</i> , 2015, 526, 68-74.	27.8	13,998
2	The Structure of Haplotype Blocks in the Human Genome. <i>Science</i> , 2002, 296, 2225-2229.	12.6	5,300
3	A second generation human haplotype map of over 3.1 million SNPs. <i>Nature</i> , 2007, 449, 851-861.	27.8	4,137
4	Integrating common and rare genetic variation in diverse human populations. <i>Nature</i> , 2010, 467, 52-58.	27.8	2,625
5	Detecting recent positive selection in the human genome from haplotype structure. <i>Nature</i> , 2002, 419, 832-837.	27.8	1,881
6	Genome-wide detection and characterization of positive selection in human populations. <i>Nature</i> , 2007, 449, 913-918.	27.8	1,788
7	The common PPAR $\beta$ Pro12Ala polymorphism is associated with decreased risk of type 2 diabetes. <i>Nature Genetics</i> , 2000, 26, 76-80.	21.4	1,672
8	High-resolution haplotype structure in the human genome. <i>Nature Genetics</i> , 2001, 29, 229-232.	21.4	1,596
9	Genomic surveillance elucidates Ebola virus origin and transmission during the 2014 outbreak. <i>Science</i> , 2014, 345, 1369-1372.	12.6	1,083
10	Structural and Functional Analysis of the D614G SARS-CoV-2 Spike Protein Variant. <i>Cell</i> , 2020, 183, 739-751.e8.	28.9	924
11	Calibrating a coalescent simulation of human genome sequence variation. <i>Genome Research</i> , 2005, 15, 1576-1583.	5.5	581
12	Searching for missing heritability: Designing rare variant association studies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E455-64.	7.1	570
13	Clinical Illness and Outcomes in Patients with Ebola in Sierra Leone. <i>New England Journal of Medicine</i> , 2014, 371, 2092-2100.	27.0	471
14	A Composite of Multiple Signals Distinguishes Causal Variants in Regions of Positive Selection. <i>Science</i> , 2010, 327, 883-886.	12.6	457
15	Direct Identification of Hundreds of Expression-Modulating Variants using a Multiplexed Reporter Assay. <i>Cell</i> , 2016, 165, 1519-1529.	28.9	378
16	Virus genomes reveal factors that spread and sustained the Ebola epidemic. <i>Nature</i> , 2017, 544, 309-315.	27.8	346
17	Identifying Recent Adaptations in Large-Scale Genomic Data. <i>Cell</i> , 2013, 152, 703-713.	28.9	325
18	Zika virus evolution and spread in the Americas. <i>Nature</i> , 2017, 546, 411-415.	27.8	323

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19	A genome-wide map of diversity in <i>Plasmodium falciparum</i> . <i>Nature Genetics</i> , 2007, 39, 113-119.	21.4	320
20	Genomic epidemiology reveals multiple introductions of Zika virus into the United States. <i>Nature</i> , 2017, 546, 401-405.	27.8	298
21	Human genome sequence variation and the influence of gene history, mutation and recombination. <i>Nature Genetics</i> , 2002, 32, 135-142.	21.4	278
22	Ebola Virus Epidemiology, Transmission, and Evolution during Seven Months in Sierra Leone. <i>Cell</i> , 2015, 161, 1516-1526.	28.9	275
23	Clinical Sequencing Uncovers Origins and Evolution of Lassa Virus. <i>Cell</i> , 2015, 162, 738-750.	28.9	230
24	Phylogenetic analysis of SARS-CoV-2 in Boston highlights the impact of superspreading events. <i>Science</i> , 2021, 371, .	12.6	226
25	The X chromosome in population genetics. <i>Nature Reviews Genetics</i> , 2004, 5, 43-51.	16.3	217
26	Genomewide Linkage Analysis of Stature in Multiple Populations Reveals Several Regions with Evidence of Linkage to Adult Height. <i>American Journal of Human Genetics</i> , 2001, 69, 106-116.	6.2	177
27	Ebola Virus Glycoprotein with Increased Infectivity Dominated the 2013-2016 Epidemic. <i>Cell</i> , 2016, 167, 1088-1098.e6.	28.9	173
28	Analysis of 6.4 million SARS-CoV-2 genomes identifies mutations associated with fitness. <i>Science</i> , 2022, 376, 1327-1332.	12.6	172
29	Modeling malaria genomics reveals transmission decline and rebound in Senegal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7067-7072.	7.1	163
30	An Integrated Haplotype Map of the Human Major Histocompatibility Complex. <i>American Journal of Human Genetics</i> , 2003, 73, 580-590.	6.2	151
31	A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. <i>Science</i> , 2021, 374, 423-431.	12.6	144
32	Genomic Analysis of Lassa Virus during an Increase in Cases in Nigeria in 2018. <i>New England Journal of Medicine</i> , 2018, 379, 1745-1753.	27.0	135
33	Data sharing: Make outbreak research open access. <i>Nature</i> , 2015, 518, 477-479.	27.8	129
34	hmmIBD: software to infer pairwise identity by descent between haploid genotypes. <i>Malaria Journal</i> , 2018, 17, 196.	2.3	103
35	Deployable CRISPR-Cas13a diagnostic tools to detect and report Ebola and Lassa virus cases in real-time. <i>Nature Communications</i> , 2020, 11, 4131.	12.8	101
36	Clinical and laboratory predictors of Lassa fever outcome in a dedicated treatment facility in Nigeria: a retrospective, observational cohort study. <i>Lancet Infectious Diseases</i> , The, 2018, 18, 684-695.	9.1	100

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37	Sequence-based association and selection scans identify drug resistance loci in the <i>Plasmodium falciparum</i> malaria parasite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13052-13057.	7.1	99
38	Artemisinin resistance without pfcy8 mutations in <i>Plasmodium falciparum</i> isolates from Cambodia. <i>Malaria Journal</i> , 2017, 16, 195.	2.3	99
39	Quantifying connectivity between local <i>Plasmodium falciparum</i> malaria parasite populations using identity by descent. <i>PLoS Genetics</i> , 2017, 13, e1007065.	3.5	98
40	Harnessing genomics and genome biology to understand malaria biology. <i>Nature Reviews Genetics</i> , 2012, 13, 315-328.	16.8	95
41	Development of a Single Nucleotide Polymorphism Barcode to Genotype <i>Plasmodium vivax</i> Infections. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003539.	3.0	90
42	Genetic Surveillance Detects Both Clonal and Epidemic Transmission of Malaria following Enhanced Intervention in Senegal. <i>PLoS ONE</i> , 2013, 8, e60780.	2.5	87
43	Identification and Functional Validation of the Novel Antimalarial Resistance Locus PF10_0355 in <i>Plasmodium falciparum</i> . <i>PLoS Genetics</i> , 2011, 7, e1001383.	3.5	85
44	Plasmepsin II copy number accounts for bimodal piperazine resistance among Cambodian <i>Plasmodium falciparum</i> . <i>Nature Communications</i> , 2018, 9, 1769.	12.8	85
45	Single-Cell Profiling of Ebola Virus Disease In Vivo Reveals Viral and Host Dynamics. <i>Cell</i> , 2020, 183, 1383-1401.e19.	28.9	79
46	Natural Selection in a Bangladeshi Population from the Cholera-Endemic Ganges River Delta. <i>Science Translational Medicine</i> , 2013, 5, 192ra86.	12.4	77
47	Searching for signals of evolutionary selection in 168 genes related to immune function. <i>Human Genetics</i> , 2006, 119, 92-102.	3.8	67
48	Association analysis of NOTCH4 loci in schizophrenia using family and population-based controls. <i>Nature Genetics</i> , 2001, 28, 126-128.	21.4	62
49	Genomic Analysis of Viral Outbreaks. <i>Annual Review of Virology</i> , 2016, 3, 173-195.	6.7	61
50	Genomic Sequencing of <i>Plasmodium falciparum</i> Malaria Parasites from Senegal Reveals the Demographic History of the Population. <i>Molecular Biology and Evolution</i> , 2012, 29, 3427-3439.	8.9	58
51	Discovery of Novel Rhabdoviruses in the Blood of Healthy Individuals from West Africa. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003631.	3.0	56
52	Genetic relatedness analysis reveals the cotransmission of genetically related <i>Plasmodium falciparum</i> parasites in Thiès, Senegal. <i>Genome Medicine</i> , 2017, 9, 5.	8.2	47
53	SNP Genotyping Identifies New Signatures of Selection in a Deep Sample of West African <i>Plasmodium falciparum</i> Malaria Parasites. <i>Molecular Biology and Evolution</i> , 2012, 29, 3249-3253.	8.9	41
54	<i>cosi2</i> : an efficient simulator of exact and approximate coalescent with selection. <i>Bioinformatics</i> , 2014, 30, 3427-3429.	4.1	40

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55	Transmission from vaccinated individuals in a large SARS-CoV-2 Delta variant outbreak. <i>Cell</i> , 2022, 185, 485-492.e10.	28.9	38
56	Combining genomics and epidemiology to track mumps virus transmission in the United States. <i>PLoS Biology</i> , 2020, 18, e3000611.	5.6	37
57	Emerging Disease or Diagnosis?. <i>Science</i> , 2012, 338, 750-752.	12.6	29
58	Repeated mutation of a developmental enhancer contributed to human thermoregulatory evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	25
59	Corrections and Clarifications. <i>Science</i> , 2007, 316, 370a-370a.	12.6	20
60	Ebola Virus Epidemiology and Evolution in Nigeria. <i>Journal of Infectious Diseases</i> , 2016, 214, S102-S109.	4.0	19
61	<i>Plasmodium falciparum</i> genomic surveillance reveals spatial and temporal trends, association of genetic and physical distance, and household clustering. <i>Scientific Reports</i> , 2022, 12, 938.	3.3	13
62	Genetic evidence for imported malaria and local transmission in Richard Toll, Senegal. <i>Malaria Journal</i> , 2020, 19, 276.	2.3	12
63	Reporter Assays for Ebola Virus Nucleoprotein Oligomerization, Virion-Like Particle Budding, and Minigenome Activity Reveal the Importance of Nucleoprotein Amino Acid Position 111. <i>Viruses</i> , 2020, 12, 105.	3.3	9
64	The Origins and Future of Sentinel: An Early-Warning System for Pandemic Preemption and Response. <i>Viruses</i> , 2021, 13, 1605.	3.3	8
65	Evidence for Reduced Malaria Parasite Population after Application of Population-Level Antimalarial Drug Strategies in Southern Province, Zambia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 103, 66-73.	1.4	8
66	Use of a <i>Plasmodium vivax</i> genetic barcode for genomic surveillance and parasite tracking in Sri Lanka. <i>Malaria Journal</i> , 2020, 19, 342.	2.3	6
67	Biomarkers to Distinguish Bacterial From Viral Pediatric Clinical Pneumonia in a Malaria-Endemic Setting. <i>Clinical Infectious Diseases</i> , 2021, 73, e3939-e3948.	5.8	6
68	Development of a SNP barcode to genotype <i>Babesia microti</i> infections. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007194.	3.0	5
69	Development of a qualitative real-time RT-PCR assay for the detection of SARS-CoV-2: a guide and case study in setting up an emergency-use, laboratory-developed molecular microbiological assay. <i>Journal of Clinical Pathology</i> , 2021, 74, 496-503.	2.0	5
70	Structural and Functional Analysis of the D614G SARS-CoV-2 Spike Protein Variant. <i>Microscopy and Microanalysis</i> , 2021, 27, 3260-3262.	0.4	3
71	Adam, Eve, and the evolution of humankind <b>In Quest of the Historical Adam: A Biblical and Scientific Exploration</b> <i>William Lane Craig</i> Eerdmans, 2021. 439 pp.. <i>Science</i> , 2021, 374, 162-162.	12.6	2
72	Combining genomics and epidemiology to track mumps virus transmission in the United States. , 2020, 18, e3000611.		0

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73	Combining genomics and epidemiology to track mumps virus transmission in the United States. , 2020, 18, e3000611.		0
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75	Combining genomics and epidemiology to track mumps virus transmission in the United States. , 2020, 18, e3000611.		0
76	Combining genomics and epidemiology to track mumps virus transmission in the United States. , 2020, 18, e3000611.		0
77	Combining genomics and epidemiology to track mumps virus transmission in the United States. , 2020, 18, e3000611.		0