John M Coffin

List of Publications by Citations

67 papers	5,011 citations	33 h-index	70 g-index
80 ext. papers	6,000 ext. citations	14.4 avg, IF	5.49 L-index

#	Paper	IF	Citations
67	New real-time reverse transcriptase-initiated PCR assay with single-copy sensitivity for human immunodeficiency virus type 1 RNA in plasma. *Journal of Clinical Microbiology*, **2003**, 41, 4531-6	9.7	485
66	Multiple, linked human immunodeficiency virus type 1 drug resistance mutations in treatment-experienced patients are missed by standard genotype analysis. *Journal of Clinical Microbiology*, **2005**, 43, 406-13	9.7	398
65	Effects of retroviruses on host genome function. *Annual Review of Genetics*, **2008**, 42, 709-32	14.5	337
64	Flexible use of nuclear import pathways by HIV-1. *Cell Host and Microbe*, **2010**, 7, 221-33	23.4	322
63	Linkage of Mls genes to endogenous mammary tumour viruses of inbred mice. *Nature*, **1991**, 349, 526-8	50.4	297
62	Clonally expanded CD4+ T cells can produce infectious HIV-1 in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 1883-8	11.5	225
61	The effect of raltegravir intensification on low-level residual viremia in HIV-infected patients on antiretroviral therapy: a randomized controlled trial. *PLoS Medicine*, **2010**, 7, e1000321	11.6	222
60	HIV-1 expression within resting CD4+ T cells after multiple doses of vorinostat. *Journal of Infectious Diseases*, **2014**, 210, 728-35	7	191
59	Quantification of HIV-1 latency reversal in resting CD4+ T cells from patients on suppressive antiretroviral therapy. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 7078-83	11.5	169
58	Evidence for genomic rearrangements mediated by human endogenous retroviruses during primate evolution. *Nature Genetics*, **2001**, 29, 487-9	36.3	165
57	Lack of detectable HIV-1 molecular evolution during suppressive antiretroviral therapy. *PLoS Pathogens*, **2014**, 10, e1004010	7.6	156
56	Discovery of unfixed endogenous retrovirus insertions in diverse human populations. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E2326-34	11.5	151
55	Clinical Trial of the Anti-PD-L1 Antibody BMS-936559 in HIV-1 Infected Participants on Suppressive Antiretroviral Therapy. *Journal of Infectious Diseases*, **2017**, 215, 1725-1733	7	146
54	Proviruses with identical sequences comprise a large fraction of the replication-competent HIV reservoir. *PLoS Pathogens*, **2017**, 13, e1006283	7.6	137
53	Multifactorial inheritance of neural tube defects: localization of the major gene and recognition of modifiers in ct mutant mice. *Nature Genetics*, **1994**, 6, 357-62	36.3	109
52	Origin of Rebound Plasma HIV Includes Cells with Identical Proviruses That Are Transcriptionally Active before Stopping of Antiretroviral Therapy. *Journal of Virology*, **2016**, 90, 1369-76	6.6	92
51	Single-cell analysis of HIV-1 transcriptional activity reveals expression of proviruses in expanded clones during ART. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E3659-E3668	11.5	87

50	A9 A method to obtain full-length HIV proviral sequences and their sites of integration. *Virus Evolution*, **2019**, 5,	3.7	78
49	A12 Modeling residual HIV replication and the emergence of drug resistance on ART. *Virus Evolution*, **2019**, 5,	3.7	78
48	HIV pathogenesis: dynamics and genetics of viral populations and infected cells. *Cold Spring Harbor Perspectives in Medicine*, **2013**, 3, a012526	5.4	76
47	Improved single-copy assays for quantification of persistent HIV-1 viremia in patients on suppressive antiretroviral therapy. *Journal of Clinical Microbiology*, **2014**, 52, 3944-51	9.7	70
46	The dangers of xenotransplantation. *Nature Medicine*, **1995**, 1, 1100	50.5	57
45	Ortervirales: New Virus Order Unifying Five Families of Reverse-Transcribing Viruses. *Journal of Virology*, **2018**, 92,	6.6	56
44	Role of low-frequency HIV-1 variants in failure of nevirapine-containing antiviral therapy in women previously exposed to single-dose nevirapine. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 9202-7	11.5	47
43	What Integration Sites Tell Us about HIV Persistence. *Cell Host and Microbe*, **2016**, 19, 588-98	23.4	47
42	Nomenclature for endogenous retrovirus (ERV) loci. *Retrovirology*, **2018**, 15, 59	3.6	47
41	No evidence of HIV replication in children on antiretroviral therapy. *Journal of Clinical Investigation*, **2017**, 127, 3827-3834	15.9	44
40	HIV-1 in lymph nodes is maintained by cellular proliferation during antiretroviral therapy. *Journal of Clinical Investigation*, **2019**, 129, 4629-4642	15.9	44
39	Differential expression of HERV-K (HML-2) proviruses in cells and virions of the teratocarcinoma cell line Tera-1. *Viruses*, **2015**, 7, 939-68	6.2	43
38	Combined HIV-1 sequence and integration site analysis informs viral dynamics and allows reconstruction of replicating viral ancestors. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 25891-25899	11.5	41
37	Ongoing HIV Replication During ART Reconsidered. *Open Forum Infectious Diseases*, **2017**, 4, ofx173	1	38
36	Clones of infected cells arise early in HIV-infected individuals. *JCI Insight*, **2019**, 4,	9.9	35
35	Molecular mechanisms of nucleic acid integration. *Journal of Medical Virology*, **1990**, 31, 43-9	19.7	31
34	HIV-1 viremia not suppressible by antiretroviral therapy can originate from large T cell clones producing infectious virus. *Journal of Clinical Investigation*, **2020**, 130, 5847-5857	15.9	31
33	Ultrasensitive single-genome sequencing: accurate, targeted, next generation sequencing of HIV-1 RNA. *Retrovirology*, **2016**, 13, 87	3.6	30

32	Low-frequency nevirapine (NVP)-resistant HIV-1 variants are not associated with failure of antiretroviral therapy in women without prior exposure to single-dose NVP. *Journal of Infectious Diseases*, **2014**, 209, 703-10	7	27
31	The distribution of insertionally polymorphic endogenous retroviruses in breast cancer patients and cancer-free controls. *Retrovirology*, **2014**, 11, 62	3.6	26
30	Retrovirus Integration Database (RID): a public database for retroviral insertion sites into host genomes. *Retrovirology*, **2016**, 13, 47	3.6	25
29	The Discovery of Reverse Transcriptase. *Annual Review of Virology*, **2016**, 3, 29-51	14.6	23
28	The discovery of HTLV-1, the first pathogenic human retrovirus. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 15525-9	11.5	22
27	HIV Infected T Cells Can Proliferate Without Inducing Expression of the Integrated Provirus. *Frontiers in Microbiology*, **2019**, 10, 2204	5.7	21
26	Virions at the gates: receptors and the host-virus arms race. *PLoS Biology*, **2013**, 11, e1001574	9.7	20
25	Mechanisms of HERV-K (HML-2) Transcription during Human Mammary Epithelial Cell Transformation. *Journal of Virology*, **2018**, 92,	6.6	19
24	Promoter expression of HERV-K (HML-2) provirus-derived sequences is related to LTR sequence variation and polymorphic transcription factor binding sites. *Retrovirology*, **2018**, 15, 57	3.6	18
23	Clonal expansion of SIV-infected cells in macaques on antiretroviral therapy is similar to that of HIV-infected cells in humans. *PLoS Pathogens*, **2019**, 15, e1007869	7.6	18
22	Well-mixed plasma and tissue viral populations in RT-SHIV-infected macaques implies a lack of viral replication in the tissues during antiretroviral therapy. *Retrovirology*, **2015**, 12, 93	3.6	16
21	PAPNC, a novel method to calculate nucleotide diversity from large scale next generation sequencing data. *Journal of Virological Methods*, **2014**, 203, 73-80	2.6	12
20	Endogenous retroviruses and human cancer: is there anything to the rumors?. *Cell Host and Microbe* , **2014**, 15, 255-9	23.4	12
19	False-positive HIV PCR test following ex vivo lentiviral gene transfer treatment of X-linked severe combined immunodeficiency vector. *Molecular Therapy*, **2014**, 22, 244-245	11.7	12
18	Attenuation by a thousand cuts. *New England Journal of Medicine*, **2008**, 359, 2283-5	59.2	12
17	Integration in oncogenes plays only a minor role in determining the in vivo distribution of HIV integration sites before or during suppressive antiretroviral therapy. *PLoS Pathogens*, **2021**, 17, e1009141	7.6	10
16	Gorillas have been infected with the HERV-K (HML-2) endogenous retrovirus much more recently than humans and chimpanzees. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 1337-1346	11.5	9
15	An analytical pipeline for identifying and mapping the integration sites of HIV and other retroviruses. *BMC Genomics*, **2020**, 21, 216	4.5	8

List of Publications

14	HIV Proviral Sequence Database: A New Public Database for Near Full-Length HIV Proviral Sequences and Their Meta-Analyses. *AIDS Research and Human Retroviruses*, **2020**, 36, 1-3	1.6	8
13	Early Emergence and Long-Term Persistence of HIV-Infected T-Cell Clones in Children. *MBio*, **2021**, 12,	7.8	5
12	Retrovirus Variation and Evolution221-244		4
11	Linked dual-class HIV resistance mutations are associated with treatment failure. *JCI Insight*, **2019**, 4,	9.9	4
10	CpG Methylation Profiles of HIV-1 Pro-Viral DNA in Individuals on ART. *Viruses*, **2021**, 13,	6.2	4
9	Lower pre-ART intra-participant HIV-1 pol diversity may not be associated with virologic failure in adults. *PLoS ONE*, **2018**, 13, e0190438	3.7	3
8	Clonal Expansion of Infected CD4+ T Cells in People Living with HIV. *Viruses*, **2021**, 13,	6.2	3
7	Tracking HIV-1-Infected Cell Clones Using Integration Site-Specific qPCR. *Viruses*, **2021**, 13,	6.2	2
6	Short Communication: HIV-DRLink: A Tool for Reporting Linked HIV-1 Drug Resistance Mutations in Large Single-Genome Data Sets Using the Stanford HIV Database. *AIDS Research and Human Retroviruses*, **2020**, 36, 942-947	1.6	1
5	50th anniversary of the discovery of reverse transcriptase. *Molecular Biology of the Cell*, **2021**, 32, 91-97	3.5	1
4	HIVIntact: a python-based tool for HIV-1 genome intactness inference. *Retrovirology*, **2021**, 18, 16	3.6	0
3	Retroviruses and AIDS: evolution and drug resistance. *Future HIV Therapy*, **2007**, 1, 243-245		
2	Too high a price. *Nature*, **1989**, 340, 259-259	50.4	
1	Microbiology: The Microbe 1984 . Cambridge University Press, New York, 1984. In two volumes. Part 1, Viruses. B. W. J. Mahy and J. R. Pattison, Eds. x, 344 pp., illus. $59.50. Part 2, Prokaryotes and Eukaryotes. D. P. KELLY and N. G. CAMu, Eds. x, 349 pp., illus. $59.50. Symposia of the Society for General Microbiology, 36. From a Symposium, Warwick, U.K., April 1984.. *Science*, **1985**, 227, 158-159	33.3	