

# Zandrea Ambrose

## List of Publications by Year in descending order

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46  
papers

1,849  
citations

331259

21  
h-index

276539

41  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2080  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible Use of Nuclear Import Pathways by HIV-1. <i>Cell Host and Microbe</i> , 2010, 7, 221-233.	5.1	396
2	A macaque model of HIV-1 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4425-4429.	3.3	150
3	HIV-1 uncoating: connection to nuclear entry and regulation by host proteins. <i>Virology</i> , 2014, 454-455, 371-379.	1.1	141
4	Direct Visualization of HIV-1 with Correlative Live-Cell Microscopy and Cryo-Electron Tomography. <i>Structure</i> , 2011, 19, 1573-1581.	1.6	86
5	Human Immunodeficiency Virus Type 1 Capsid Mutation N74D Alters Cyclophilin A Dependence and Impairs Macrophage Infection. <i>Journal of Virology</i> , 2012, 86, 4708-4714.	1.5	84
6	Evidence for biphasic uncoating during HIV-1 infection from a novel imaging assay. <i>Retrovirology</i> , 2013, 10, 70.	0.9	73
7	HIV/AIDS: in search of an animal model. <i>Trends in Biotechnology</i> , 2007, 25, 333-337.	4.9	72
8	In Vitro Characterization of a Simian Immunodeficiency Virus-Human Immunodeficiency Virus (HIV) Chimera Expressing HIV Type 1 Reverse Transcriptase To Study Antiviral Resistance in Pigtail Macaques. <i>Journal of Virology</i> , 2004, 78, 13553-13561.	1.5	69
9	Suppression of Viremia and Evolution of Human Immunodeficiency Virus Type 1 Drug Resistance in a Macaque Model for Antiretroviral Therapy. <i>Journal of Virology</i> , 2007, 81, 12145-12155.	1.5	51
10	Interferon-Inducible CD169/Siglec1 Attenuates Anti-HIV-1 Effects of Alpha Interferon. <i>Journal of Virology</i> , 2017, 91, .	1.5	49
11	Rilpivirine and Doravirine Have Complementary Efficacies Against NNRTI-Resistant HIV-1 Mutants. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2016, 72, 485-491.	0.9	42
12	Permeability of the HIV-1 capsid to metabolites modulates viral DNA synthesis. <i>PLoS Biology</i> , 2020, 18, e3001015.	2.6	42
13	Persistence of Viral Reservoirs in Multiple Tissues after Antiretroviral Therapy Suppression in a Macaque RT-SHIV Model. <i>PLoS ONE</i> , 2013, 8, e84275.	1.1	40
14	Genetic Diversity of Simian Immunodeficiency Virus Encoding HIV-1 Reverse Transcriptase Persists in Macaques despite Antiretroviral Therapy. <i>Journal of Virology</i> , 2011, 85, 1067-1076.	1.5	39
15	Establishment and Reversal of HIV-1 Latency in Naive and Central Memory CD4 <sup>+</sup> T Cells In Vitro. <i>Journal of Virology</i> , 2016, 90, 8059-8073.	1.5	37
16	Truncated CPSF6 Forms Higher-Order Complexes That Bind and Disrupt HIV-1 Capsid. <i>Journal of Virology</i> , 2018, 92, .	1.5	34
17	SIV and <i>Mycobacterium tuberculosis</i> synergy within the granuloma accelerates the reactivation pattern of latent tuberculosis. <i>PLoS Pathogens</i> , 2020, 16, e1008413.	2.1	31
18	A Novel Phenotype Links HIV-1 Capsid Stability to cGAS-Mediated DNA Sensing. <i>Journal of Virology</i> , 2019, 93, .	1.5	30

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19	Cytoplasmic CPSF6 Regulates HIV-1 Capsid Trafficking and Infection in a Cyclophilin A-Dependent Manner. <i>MBio</i> , 2021, 12, .	1.8	28
20	Well-mixed plasma and tissue viral populations in RT-SHIV-infected macaques implies a lack of viral replication in the tissues during antiretroviral therapy. <i>Retrovirology</i> , 2015, 12, 93.	0.9	25
21	A spatio-temporal assessment of simian/human immunodeficiency virus (SHIV) evolution reveals a highly dynamic process within the host. <i>PLoS Pathogens</i> , 2017, 13, e1006358.	2.1	25
22	AutoCLEM: An Automated Workflow for Correlative Live-Cell Fluorescence Microscopy and Cryo-Electron Tomography. <i>Scientific Reports</i> , 2019, 9, 19207.	1.6	24
23	Characterization of novel non-nucleoside reverse transcriptase (RT) inhibitor resistance mutations at residues 132 and 135 in the 51ÅkDa subunit of HIV-1 RT. <i>Biochemical Journal</i> , 2007, 404, 151-157.	1.7	22
24	Ultrasensitive Allele-Specific PCR Reveals Rare Preexisting Drug-Resistant Variants and a Large Replicating Virus Population in Macaques Infected with a Simian Immunodeficiency Virus Containing Human Immunodeficiency Virus Reverse Transcriptase. <i>Journal of Virology</i> , 2012, 86, 12525-12530.	1.5	22
25	Evidence for Early Local Viral Replication and Local Production of Antiviral Immunity upon Mucosal Simian-Human Immunodeficiency Virus SHIV 89.6 Infection in <i>Macaca nemestrina</i> . <i>Journal of Virology</i> , 2001, 75, 8589-8596.	1.5	20
26	The Nucleoside Analogs 4â€²C-Methyl Thymidine and 4â€²C-Ethyl Thymidine Block DNA Synthesis by Wild-type HIV-1 RT and Excision Proficient NRTI Resistant RT Variants. <i>Journal of Molecular Biology</i> , 2007, 371, 873-882.	2.0	20
27	Identification of HIV Inhibitors Guided by Free Energy Perturbation Calculations. <i>Current Pharmaceutical Design</i> , 2012, 18, 1199-1216.	0.9	20
28	Incomplete Protection against Simian Immunodeficiency Virus Vaginal Transmission in Rhesus Macaques by a Topical Antiviral Agent Revealed by Repeat Challenges. <i>Journal of Virology</i> , 2008, 82, 6591-6599.	1.5	19
29	RT-SHIV subpopulation dynamics in infected macaques during anti-HIV therapy. <i>Retrovirology</i> , 2009, 6, 101.	0.9	18
30	The Human Immunodeficiency Virus Type 1 Nonnucleoside Reverse Transcriptase Inhibitor Resistance Mutation I132M Confers Hypersensitivity to Nucleoside Analogs. <i>Journal of Virology</i> , 2009, 83, 3826-3833.	1.5	17
31	The Level of Reverse Transcriptase (RT) in Human Immunodeficiency Virus Type 1 Particles Affects Susceptibility to Nonnucleoside RT Inhibitors but Not to Lamivudine. <i>Journal of Virology</i> , 2006, 80, 2578-2581.	1.5	15
32	Low Frequency of Drug-Resistant Variants Selected by Long-Acting Rilpivirine in Macaques Infected with Simian Immunodeficiency Virus Containing HIV-1 Reverse Transcriptase. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 7762-7770.	1.4	15
33	The Nucleoside Analogue D-carba T Blocks HIV-1 Reverse Transcription. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 5356-5364.	2.9	14
34	Rilpivirine analogs potently inhibit drug-resistant HIV-1 mutants. <i>Retrovirology</i> , 2016, 13, 11.	0.9	10
35	Construction and characterization of two SARSâ€’CoVâ€’2 minigenome replicon systems. <i>Journal of Medical Virology</i> , 2022, 94, 2438-2452.	2.5	10
36	Visualization and quantification of simian immunodeficiency virus-infected cells using non-invasive molecular imaging. <i>Journal of General Virology</i> , 2015, 96, 3131-3142.	1.3	8

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37	CA Mutation N57A Has Distinct Strain-Specific HIV-1 Capsid Uncoating and Infectivity Phenotypes. <i>Journal of Virology</i> , 2019, 93, .	1.5	7
38	Long-Acting Rilpivirine (RPV) Preexposure Prophylaxis Does Not Inhibit Vaginal Transmission of RPV-Resistant HIV-1 or Select for High-Frequency Drug Resistance in Humanized Mice. <i>Journal of Virology</i> , 2020, 94, .	1.5	7
39	Disassembling the Nature of Capsid: Biochemical, Genetic, and Imaging Approaches to Assess HIV-1 Capsid Functions. <i>Viruses</i> , 2021, 13, 2237.	1.5	7
40	Of mice and monkeys: new advances in animal models to study HIV-1 therapy and prophylaxis. <i>Future HIV Therapy</i> , 2008, 2, 363-373.	0.5	4
41	Dysregulation of multiple inflammatory molecules in lymph node and ileum of macaques during <sc>RT</sc> SHIV</sc> infection with or without antiretroviral therapy. <i>Journal of Medical Primatology</i> , 2014, 43, 298-309.	0.3	4
42	Evidence for immune-mediated reduction of viral replication in <i>Macaca nemestrina</i> mucosally immunized with inactivated SHIV89.6. <i>Virology</i> , 2003, 308, 178-190.	1.1	3
43	SIV Evolutionary Dynamics in <i>Cynomolgus</i> Macaques during SIV- <i>Mycobacterium tuberculosis</i> Co-Infection. <i>Viruses</i> , 2022, 14, 48.	1.5	3
44	Two Coselected Distal Mutations in HIV-1 Reverse Transcriptase (RT) Alter Susceptibility to Nonnucleoside RT Inhibitors and Nucleoside Analogs. <i>Journal of Virology</i> , 2019, 93, .	1.5	2
45	CG Dinucleotide Removal in Bioluminescent and Fluorescent Reporters Improves HIV-1 Replication and Reporter Gene Expression for Dual Imaging in Humanized Mice. <i>Journal of Virology</i> , 2021, 95, e0044921.	1.5	2
46	APOBEC3 selects V179I in HIV-1 reverse transcriptase to provide selective advantage for non-nucleoside reverse transcriptase inhibitor-resistant mutants. <i>Frontiers in Virology</i> , 0, 2, .	0.7	2