Nadia R Roan

List of Publications by Citations

67 papers	1,412 citations	19 h-index	36 g-index
84 ext. papers	1,926 ext. citations	9.3 avg, IF	4.29 L-index

#	Paper	IF	Citations
67	The cationic properties of SEVI underlie its ability to enhance human immunodeficiency virus infection. *Journal of Virology*, **2009**, 83, 73-80	6.6	140
66	Peptides released by physiological cleavage of semen coagulum proteins form amyloids that enhance HIV infection. *Cell Host and Microbe*, **2011**, 10, 541-50	23.4	123
65	Semen-mediated enhancement of HIV infection is donor-dependent and correlates with the levels of SEVI. *Retrovirology*, **2010**, 7, 55	3.6	108
64	Peptide nanofibrils boost retroviral gene transfer and provide a rapid means for concentrating viruses. *Nature Nanotechnology*, **2013**, 8, 130-6	28.7	102
63	SARS-CoV-2-Specific T Cells Exhibit Phenotypic Features of Helper Function, Lack of Terminal Differentiation, and High Proliferation Potential. *Cell Reports Medicine*, **2020**, 1, 100081	18	88
62	Naturally occurring fragments from two distinct regions of the prostatic acid phosphatase form amyloidogenic enhancers of HIV infection. *Journal of Virology*, **2012**, 86, 1244-9	6.6	74
61	Direct visualization of HIV-enhancing endogenous amyloid fibrils in human semen. *Nature Communications*, **2014**, 5, 3508	17.4	73
60	Aminoquinoline surfen inhibits the action of SEVI (semen-derived enhancer of viral infection). *Journal of Biological Chemistry*, **2010**, 285, 1861-9	5.4	59
59	Seminal plasma induces global transcriptomic changes associated with cell migration, proliferation and viability in endometrial epithelial cells and stromal fibroblasts. *Human Reproduction*, **2014**, 29, 1255-70	5.7	53
58	Semen enhances HIV infectivity and impairs the antiviral efficacy of microbicides. *Science Translational Medicine*, **2014**, 6, 262ra157	17.5	53
57	Semen amyloids participate in spermatozoa selection and clearance. *ELife*, **2017**, 6,	8.9	45
56	Mass Cytometric Analysis of HIV Entry, Replication, and Remodeling in Tissue CD4+ T Cells. *Cell Reports*, **2017**, 20, 984-998	10.6	44
55	Liquefaction of semen generates and later degrades a conserved semenogelin peptide that enhances HIV infection. *Journal of Virology*, **2014**, 88, 7221-34	6.6	40
54	Mucosal stromal fibroblasts markedly enhance HIV infection of CD4+ T cells. *PLoS Pathogens*, **2017**, 13, e1006163	7.6	38
53	Phenotypic analysis of the unstimulated in vivo HIV CD4 T cell reservoir. *ELife*, **2020**, 9,	8.9	27
52	Seminal plasma and semen amyloids enhance cytomegalovirus infection in cell culture. *Journal of Virology*, **2013**, 87, 12583-91	6.6	23
51	A seminal finding for understanding HIV transmission. *Cell*, **2007**, 131, 1044-6	56.2	21

50	Structure, function and antagonism of semen amyloids. *Chemical Communications*, **2018**, 54, 7557-7569	5.8	19
49	HIV efficiently infects T cells from the endometrium and remodels them to promote systemic viral spread. *ELife*, **2020**, 9,	8.9	19
48	Distinctive features of SARS-CoV-2-specific T cells predict recovery from severe COVID-19. *Cell Reports*, **2021**, 36, 109414	10.6	19
47	Isolation and Culture of Human Endometrial Epithelial Cells and Stromal Fibroblasts. *Bio-protocol*, **2015**, 5,	0.9	17
46	An Optimized and Validated Method for Isolation and Characterization of Lymphocytes from HIV+ Human Gut Biopsies. *AIDS Research and Human Retroviruses*, **2017**, 33, S31-S39	1.6	16
45	Structural characterization of semen coagulum-derived SEM1(86-107) amyloid fibrils that enhance HIV-1 infection. *Biochemistry*, **2014**, 53, 3267-77	3.2	15
44	mRNA vaccine-induced T cells respond identically to SARS-CoV-2 variants of concern but differ in longevity and homing properties depending on prior infection status. *ELife*, **2021**, 10,	8.9	15
43	Improving preclinical models of HIV microbicide efficacy. *Trends in Microbiology*, **2015**, 23, 445-7	12.4	14
42	SARS-CoV-2-specific T cells exhibit unique features reflecting robust helper function, lack of terminal differentiation, and high proliferative potential **2020**,		14
41	Comparison of the effect of semen from HIV-infected and uninfected men on CD4+ T-cell infection. *Aids*, **2016**, 30, 1197-208	3.5	13
40	Tissue memory CD4+ T cells expressing IL-7 receptor-alpha (CD127) preferentially support latent HIV-1 infection. *PLoS Pathogens*, **2020**, 16, e1008450	7.6	11
39	Seminal plasma promotes decidualization of endometrial stromal fibroblasts in vitro from women with and without inflammatory disorders in a manner dependent on interleukin-11 signaling. *Human Reproduction*, **2020**, 35, 617-640	5.7	11
38	Gallic Acid Is an Antagonist of Semen Amyloid Fibrils That Enhance HIV-1 Infection. *Journal of Biological Chemistry*, **2016**, 291, 14045-14055	5.4	10
37	Impact of Biological Sex on Immune Activation and Frequency of the Latent HIV Reservoir During Suppressive Antiretroviral Therapy. *Journal of Infectious Diseases*, **2020**, 222, 1843-1852	7	9
36	Limited cross-variant immunity after infection with the SARS-CoV-2 Omicron variant without vaccination. **2022**,		9
35	The HIV-1 latent reservoir is largely sensitive to circulating T cells. *ELife*, **2020**, 9,	8.9	9
34	Sialyl-Lewis Glycoantigen Is Enriched on Cells with Persistent HIV Transcription during Therapy. *Cell Reports*, **2020**, 32, 107991	10.6	7
33	Protracted yet Coordinated Differentiation of Long-Lived SARS-CoV-2-Specific CD8 T Cells during Convalescence. *Journal of Immunology*, **2021**, 207, 1344-1356	5.3	7

32	Effects of the levonorgestrel-containing intrauterine device, copper intrauterine device, and levonorgestrel-containing oral contraceptive on susceptibility of immune cells from cervix, endometrium and blood to HIV-1 fusion measured ex vivo. *PLoS ONE*, **2019**, 14, e0221181	3.7	6
31	Measuring the contribution of □T cells to the persistent HIV reservoir. *Aids*, **2020**, 34, 363-371	3.5	5
30	Sequence-independent recognition of the amyloid structural motif by GFP protein family. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 22122-22127	11.5	5
29	Characterization of HIV-induced remodeling reveals differences in infection susceptibility of memory CD4 T□cell subsets in□vivo. *Cell Reports*, **2021**, 35, 109038	10.6	5
28	mRNA vaccine-induced T cells respond identically to SARS-CoV-2 variants of concern but differ in longevity and homing properties depending on prior infection status **2021**,		5
27	Seminal Plasma-Derived Extracellular-Vesicle Fractions from HIV-Infected Men Exhibit Unique MicroRNA Signatures and Induce a Proinflammatory Response in Cells Isolated from the Female Reproductive Tract. *Journal of Virology*, **2020**, 94,	6.6	4
26	HIV-enhancing Amyloids Are Prevalent in Fresh Semen and Are a Determinant for Semen's Ability to Enhance HIV Infection: Relevance for HIV Transmission. *AIDS Research and Human Retroviruses*, **2014**, 30, A183-A184	1.6	4
25	Friend or Foe: Innate Sensing of HIV in the Female Reproductive Tract. *Current HIV/AIDS Reports*, **2016**, 13, 53-63	5.9	3
24	Loss of Preexisting Immunological Memory Among Human Immunodeficiency Virus-Infected Women Despite Immune Reconstitution With Antiretroviral Therapy. *Journal of Infectious Diseases*, **2020**, 222, 243-251	7	3
23	Evaluating a New Class of AKT/mTOR Activators for HIV Latency Reversing Activity. *Journal of Virology*, **2021**,	6.6	3
22	Protracted yet coordinated differentiation of long-lived SARS-CoV-2-specific CD8+ T cells during COVID-19 convalescence **2021**,		3
21	Siglec-9 defines and restrains a natural killer subpopulation highly cytotoxic to HIV-infected cells. *PLoS Pathogens*, **2021**, 17, e1010034	7.6	2
20	Single-cell Motility Analysis of Tethered Human Spermatozoa. *Bio-protocol*, **2019**, 9,	0.9	2
19	Shared Mechanisms Govern HIV Transcriptional Suppression in Circulating CD103 and Gut CD4 T Cells. *Journal of Virology*, **2020**, 95,	6.6	2
18	No detectable alloreactive transcriptional responses under standard sample preparation conditions during donor-multiplexed single-cell RNA sequencing of peripheral blood mononuclear cells. *BMC Biology*, **2021**, 19, 10	7.3	2
17	Tissue-specific differences in HIV DNA levels and mechanisms that govern HIV transcription in blood, gut, genital tract and liver in ART-treated women. *Journal of the International AIDS Society*, **2021**, 24, e25738	5.4	2
16	Potent and rapid activation of tropomyosin-receptor kinase A in endometrial stromal fibroblasts by seminal plasma. *Biology of Reproduction*, **2018**, 99, 336-348	3.9	1
15	No detectable alloreactive transcriptional responses during donor-multiplexed single-cell RNA sequencing of peripheral blood mononuclear cells		1

List of Publications

14	Hyaluronic acid is a negative regulator of mucosal fibroblast-mediated enhancement of HIV infection. *Mucosal Immunology*, **2021**, 14, 1203-1213	9.2	1
13	Distinctive features of SARS-CoV-2-specific T cells predict recovery from severe COVID-19 **2021**,		1
12	Deep Phenotypic Analysis of Blood and Lymphoid T and NK Cells From HIV+ Controllers and ART-Suppressed Individuals.. *Frontiers in Immunology*, **2022**, 13, 803417	8.4	0
11	Reliable Estimation of CD8 T Cell Inhibition of HIV-1 Replication. *Frontiers in Immunology*, **2021**, 12, 666981	8.4	0
10	Common and Divergent Features of T Cells from Blood, Gut, and Genital Tract of Antiretroviral Therapy-Treated HIV Women.. *Journal of Immunology*, **2022**, 208, 1790-1801	5.3	0
9	Cell-Extrinsic Priming Increases Permissiveness of CD4+ T Cells to Human Immunodeficiency Virus Infection by Increasing C-C Chemokine Receptor Type 5 Co-receptor Expression and Cellular Activation Status.. *Frontiers in Microbiology*, **2021**, 12, 763030	5.7	
8	Reproductive tract immune cells from pregnant women or those using depot medroxyprogesterone acetate show no excess susceptibility to HIV-1: Results of an ex vivo fusion assay. *Contraception*, **2021**, 103, 44-47	2.5	
7	CD8 T Cell Virus Inhibition Assay Protocol.. *Bio-protocol*, **2022**, 12, e4354	0.9	
6	Tissue memory CD4+ T cells expressing IL-7 receptor-alpha (CD127) preferentially support latent HIV-1 infection **2020**, 16, e1008450		
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