

Nadia R Roan

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,290
citations

304368

22
h-index

253896

43
g-index

84
all docs

84
docs citations

84
times ranked

2712
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2-Specific T Cells Exhibit Phenotypic Features of Helper Function, Lack of Terminal Differentiation, and High Proliferation Potential. <i>Cell Reports Medicine</i> , 2020, 1, 100081.	3.3	166
2	The Cationic Properties of SEVI Underlie Its Ability To Enhance Human Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2009, 83, 73-80.	1.5	163
3	Peptides Released by Physiological Cleavage of Semen Coagulum Proteins Form Amyloids that Enhance HIV Infection. <i>Cell Host and Microbe</i> , 2011, 10, 541-550.	5.1	144
4	Limited cross-variant immunity from SARS-CoV-2 Omicron without vaccination. <i>Nature</i> , 2022, 607, 351-355.	13.7	143
5	Semen-mediated enhancement of HIV infection is donor-dependent and correlates with the levels of SEVI. <i>Retrovirology</i> , 2010, 7, 55.	0.9	127
6	Peptide nanofibrils boost retroviral gene transfer and provide a rapid means for concentrating viruses. <i>Nature Nanotechnology</i> , 2013, 8, 130-136.	15.6	125
7	Direct visualization of HIV-enhancing endogenous amyloid fibrils in human semen. <i>Nature Communications</i> , 2014, 5, 3508.	5.8	95
8	Naturally Occurring Fragments from Two Distinct Regions of the Prostatic Acid Phosphatase Form Amyloidogenic Enhancers of HIV Infection. <i>Journal of Virology</i> , 2012, 86, 1244-1249.	1.5	90
9	Distinctive features of SARS-CoV-2-specific T cells predict recovery from severe COVID-19. <i>Cell Reports</i> , 2021, 36, 109414.	2.9	75
10	Semen enhances HIV infectivity and impairs the antiviral efficacy of microbicides. <i>Science Translational Medicine</i> , 2014, 6, 262ra157.	5.8	69
11	Aminoquinoline Surfen Inhibits the Action of SEVI (Semen-derived Enhancer of Viral Infection). <i>Journal of Biological Chemistry</i> , 2010, 285, 1861-1869.	1.6	68
12	Seminal plasma induces global transcriptomic changes associated with cell migration, proliferation and viability in endometrial epithelial cells and stromal fibroblasts. <i>Human Reproduction</i> , 2014, 29, 1255-1270.	0.4	66
13	Mass Cytometric Analysis of HIV Entry, Replication, and Remodeling in Tissue CD4+ T Cells. <i>Cell Reports</i> , 2017, 20, 984-998.	2.9	66
14	Phenotypic analysis of the unstimulated in vivo HIV CD4 T cell reservoir. <i>ELife</i> , 2020, 9, .	2.8	63
15	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. <i>ELife</i> , 2021, 10, .	2.8	63
16	Semen amyloids participate in spermatozoa selection and clearance. <i>ELife</i> , 2017, 6, .	2.8	59
17	Liquefaction of Semen Generates and Later Degrades a Conserved Semenogelin Peptide That Enhances HIV Infection. <i>Journal of Virology</i> , 2014, 88, 7221-7234.	1.5	53
18	Mucosal stromal fibroblasts markedly enhance HIV infection of CD4+ T cells. <i>PLoS Pathogens</i> , 2017, 13, e1006163.	2.1	51

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19	HIV efficiently infects T cells from the endometrium and remodels them to promote systemic viral spread. <i>ELife</i> , 2020, 9, .	2.8	36
20	Tissue memory CD4+ T cells expressing IL-7 receptor-alpha (CD127) preferentially support latent HIV-1 infection. <i>PLoS Pathogens</i> , 2020, 16, e1008450.	2.1	34
21	Structure, function and antagonism of semen amyloids. <i>Chemical Communications</i> , 2018, 54, 7557-7569.	2.2	32
22	Seminal Plasma and Semen Amyloids Enhance Cytomegalovirus Infection in Cell Culture. <i>Journal of Virology</i> , 2013, 87, 12583-12591.	1.5	28
23	The HIV-1 latent reservoir is largely sensitive to circulating T cells. <i>ELife</i> , 2020, 9, .	2.8	25
24	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. <i>Human Reproduction</i> , 2020, 35, 617-640.	0.4	24
25	An Optimized and Validated Method for Isolation and Characterization of Lymphocytes from HIV+ Human Gut Biopsies. <i>AIDS Research and Human Retroviruses</i> , 2017, 33, S-31-S-39.	0.5	23
26	Isolation and Culture of Human Endometrial Epithelial Cells and Stromal Fibroblasts. <i>Bio-protocol</i> , 2015, 5, .	0.2	23
27	Impact of Biological Sex on Immune Activation and Frequency of the Latent HIV Reservoir During Suppressive Antiretroviral Therapy. <i>Journal of Infectious Diseases</i> , 2020, 222, 1843-1852.	1.9	22
28	A Seminal Finding for Understanding HIV Transmission. <i>Cell</i> , 2007, 131, 1044-1046.	13.5	21
29	Structural Characterization of Semen Coagulum-Derived SEM1 (86â€“107) Amyloid Fibrils That Enhance HIV-1 Infection. <i>Biochemistry</i> , 2014, 53, 3267-3277.	1.2	17
30	Comparison of the effect of semen from HIV-infected and uninfected men on CD4+ T-cell infection. <i>Aids</i> , 2016, 30, 1197-1208.	1.0	16
31	Sialyl-LewisX Glycoantigen Is Enriched on Cells with Persistent HIV Transcription during Therapy. <i>Cell Reports</i> , 2020, 32, 107991.	2.9	16
32	Improving preclinical models of HIV microbicide efficacy. <i>Trends in Microbiology</i> , 2015, 23, 445-447.	3.5	15
33	Characterization of HIV-induced remodeling reveals differences in infection susceptibility of memory CD4+ T cell subsets in vivo. <i>Cell Reports</i> , 2021, 35, 109038.	2.9	15
34	Protracted yet Coordinated Differentiation of Long-Lived SARS-CoV-2-Specific CD8+ T Cells during Convalescence. <i>Journal of Immunology</i> , 2021, 207, 1344-1356.	0.4	14
35	Evaluating a New Class of AKT/mTOR Activators for HIV Latency-Reversing Activity <i>in Vivo</i> and <i>in Vivo</i> . <i>Journal of Virology</i> , 2021, 95, .	1.5	13
36	Galic Acid Is an Antagonist of Semen Amyloid Fibrils That Enhance HIV-1 Infection. <i>Journal of Biological Chemistry</i> , 2016, 291, 14045-14055.	1.6	12

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37	Measuring the contribution of $\hat{I}^3\hat{I}$ T cells to the persistent HIV reservoir. <i>Aids</i> , 2020, 34, 363-371.	1.0	12
38	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. <i>Journal of Virology</i> , 2020, 94, .	1.5	12
39	Siglec-9 defines and restrains a natural killer subpopulation highly cytotoxic to HIV-infected cells. <i>PLoS Pathogens</i> , 2021, 17, e1010034.	2.1	12
40	Deep Phenotypic Analysis of Blood and Lymphoid T and NK Cells From HIV+ Controllers and ART-Suppressed Individuals. <i>Frontiers in Immunology</i> , 2022, 13, 803417.	2.2	12
41	Loss of Preexisting Immunological Memory Among Human Immunodeficiency Virusâ€“Infected Women Despite Immune Reconstitution With Antiretroviral Therapy. <i>Journal of Infectious Diseases</i> , 2020, 222, 243-251.	1.9	11
42	Single-cell glycomics analysis by CyTOF-Lec reveals glycan features defining cells differentially susceptible to HIV. <i>ELife</i> , 0, 11, .	2.8	11
43	No detectable alloreactive transcriptional responses under standard sample preparation conditions during donor-multiplexed single-cell RNA sequencing of peripheral blood mononuclear cells. <i>BMC Biology</i> , 2021, 19, 10.	1.7	9
44	Hyaluronic acid is a negative regulator of mucosal fibroblast-mediated enhancement of HIV infection. <i>Mucosal Immunology</i> , 2021, 14, 1203-1213.	2.7	8
45	Tissueâ€“specific differences in HIV DNA levels and mechanisms that govern HIV transcription in blood, gut, genital tract and liver in ARTâ€“treated women. <i>Journal of the International AIDS Society</i> , 2021, 24, e25738.	1.2	8
46	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. <i>PLoS ONE</i> , 2019, 14, e0221181.	1.1	7
47	Sequence-independent recognition of the amyloid structural motif by GFP protein family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22122-22127.	3.3	7
48	Single-cell Motility Analysis of Tethered Human Spermatozoa. <i>Bio-protocol</i> , 2019, 9, .	0.2	7
49	Friend or Foe: Innate Sensing of HIV in the Female Reproductive Tract. <i>Current HIV/AIDS Reports</i> , 2016, 13, 53-63.	1.1	5
50	HIV-enhancing Amyloids Are Prevalent in Fresh Semen and Are a Determinant for Semen's Ability to Enhance HIV Infection: Relevance for HIV Transmission. <i>AIDS Research and Human Retroviruses</i> , 2014, 30, A183-A184.	0.5	4
51	Shared Mechanisms Govern HIV Transcriptional Suppression in Circulating CD103 ^{<sup>+</sup>} and Gut CD4 ^{<sup>+</sup>} T Cells. <i>Journal of Virology</i> , 2020, 95, .	1.5	4
52	T-cell immune dysregulation and mortality in women with HIV. <i>Journal of Infectious Diseases</i> , 2021, , .	1.9	4
53	Subsets of Tissue CD4 T Cells Display Different Susceptibilities to HIV Infection and Death: Analysis by CyTOF and Single Cell RNA-seq. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
54	Common and Divergent Features of T Cells from Blood, Gut, and Genital Tract of Antiretroviral Therapyâ€“Treated HIV+ Women. <i>Journal of Immunology</i> , 2022, 208, 1790-1801.	0.4	2

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55	Potent and rapid activation of tropomyosin-receptor kinase A in endometrial stromal fibroblasts by seminal plasma. <i>Biology of Reproduction</i> , 2018, 99, 336-348.	1.2	1
56	Reliable Estimation of CD8 T Cell Inhibition of In Vitro HIV-1 Replication. <i>Frontiers in Immunology</i> , 2021, 12, 666991.	2.2	1
57	Resident T cells stand up to HIV. <i>Science Immunology</i> , 2018, 3, .	5.6	0
58	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. <i>Contraception</i> , 2021, 103, 44-47.	0.8	0
59	Cell-Extrinsic Priming Increases Permissiveness of CD4+ T Cells to Human Immunodeficiency Virus Infection by Increasing CCR5 Chemokine Receptor Type 5 Co-receptor Expression and Cellular Activation Status. <i>Frontiers in Microbiology</i> , 2021, 12, 763030.	1.5	0
60	CD8 T Cell Virus Inhibition Assay Protocol. <i>Bio-protocol</i> , 2022, 12, e4354.	0.2	0
61	Title is missing!. , 2020, 16, e1008450.		0
62	Title is missing!. , 2020, 16, e1008450.		0
63	Title is missing!. , 2020, 16, e1008450.		0
64	Title is missing!. , 2020, 16, e1008450.		0
65	Title is missing!. , 2020, 16, e1008450.		0
66	Title is missing!. , 2020, 16, e1008450.		0