

# Pavitra Roychoudhury

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

3,637  
citations

201385

27  
h-index

174990

52  
g-index

102  
all docs

102  
docs citations

102  
times ranked

7274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutralizing Antibodies Correlate with Protection from SARS-CoV-2 in Humans during a Fishery Vessel Outbreak with a High Attack Rate. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	494
2	Coast-to-Coast Spread of SARS-CoV-2 during the Early Epidemic in the United States. <i>Cell</i> , 2020, 181, 990-996.e5.	13.5	321
3	Genomic surveillance reveals multiple introductions of SARS-CoV-2 into Northern California. <i>Science</i> , 2020, 369, 582-587.	6.0	253
4	In vivo antiviral host transcriptional response to SARS-CoV-2 by viral load, sex, and age. <i>PLoS Biology</i> , 2020, 18, e3000849.	2.6	225
5	Cryptic transmission of SARS-CoV-2 in Washington state. <i>Science</i> , 2020, 370, 571-575.	6.0	217
6	De novo emergence of a remdesivir resistance mutation during treatment of persistent SARS-CoV-2 infection in an immunocompromised patient: a case report. <i>Nature Communications</i> , 2022, 13, 1547.	5.8	159
7	AAV-Mediated Delivery of Zinc Finger Nucleases Targeting Hepatitis B Virus Inhibits Active Replication. <i>PLoS ONE</i> , 2014, 9, e97579.	1.1	95
8	SARS-CoV-2 ORF6 Disrupts Bidirectional Nucleocytoplasmic Transport through Interactions with Rae1 and Nup98. <i>MBio</i> , 2021, 12, .	1.8	92
9	Identification of multiple large deletions in ORF7a resulting in in-frame gene fusions in clinical SARS-CoV-2 isolates. <i>Journal of Clinical Virology</i> , 2020, 129, 104523.	1.6	71
10	Metagenomic Analysis Reveals Clinical SARS-CoV-2 Infection and Bacterial or Viral Superinfection and Colonization. <i>Clinical Chemistry</i> , 2020, 66, 966-972.	1.5	63
11	CRISPR-Cas9 gene editing of hepatitis B virus in chronically infected humanized mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 258-275.	1.8	62
12	Sensitive Recovery of Complete SARS-CoV-2 Genomes from Clinical Samples by Use of Swift Biosciencesâ€™ SARS-CoV-2 Multiplex Amplicon Sequencing Panel. <i>Journal of Clinical Microbiology</i> , 2020, 59, .	1.8	58
13	Viral genomes reveal patterns of the SARS-CoV-2 outbreak in Washington State. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	58
14	Trajectory of Viral RNA Load Among Persons With Incident SARS-CoV-2 G614 Infection (Wuhan Strain) in Association With COVID-19 Symptom Onset and Severity. <i>JAMA Network Open</i> , 2022, 5, e2142796.	2.8	57
15	Hospitalization and mortality associated with SARS-CoV-2 viral clades in COVID-19. <i>Scientific Reports</i> , 2021, 11, 4802.	1.6	55
16	A SARS-CoV-2 Nucleocapsid Variant that Affects Antigen Test Performance. <i>Journal of Clinical Virology</i> , 2021, 141, 104900.	1.6	53
17	Ultrasensitive Capture of Human Herpes Simplex Virus Genomes Directly from Clinical Samples Reveals Extraordinarily Limited Evolution in Cell Culture. <i>MSphere</i> , 2018, 3, .	1.3	49
18	Anti-SARS-CoV-2 Antibody Levels Measured by the AdviseDx SARS-CoV-2 Assay Are Concordant with Previously Available Serologic Assays but Are Not Fully Predictive of Sterilizing Immunity. <i>Journal of Clinical Microbiology</i> , 2021, 59, e0098921.	1.8	48

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19	Gene editing and elimination of latent herpes simplex virus in vivo. <i>Nature Communications</i> , 2020, 11, 4148.	5.8	46
20	Comparative genomic, transcriptomic, and proteomic reannotation of human herpesvirus 6. <i>BMC Genomics</i> , 2018, 19, 204.	1.2	45
21	A highly multiplexed droplet digital PCR assay to measure the intact HIV-1 proviral reservoir. <i>Cell Reports Medicine</i> , 2021, 2, 100243.	3.3	44
22	Detection of treatment-resistant infectious HIV after genome-directed antiviral endonuclease therapy. <i>Antiviral Research</i> , 2016, 126, 90-98.	1.9	43
23	Tissue-resident T cell-derived cytokines eliminate herpes simplex virus-2-infected cells. <i>Journal of Clinical Investigation</i> , 2020, 130, 2903-2919.	3.9	40
24	Variants of Concern Are Overrepresented Among Postvaccination Breakthrough Infections of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) in Washington State. <i>Clinical Infectious Diseases</i> , 2022, 74, 1089-1092.	2.9	38
25	Predicting infectivity: comparing four PCR-based assays to detect culturable SARS-CoV-2 in clinical samples. <i>EMBO Molecular Medicine</i> , 2022, 14, e15290.	3.3	38
26	Associations Between Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Variants and Risk of Coronavirus Disease 2019 (COVID-19) Hospitalization Among Confirmed Cases in Washington State: A Retrospective Cohort Study. <i>Clinical Infectious Diseases</i> , 2022, 75, e536-e544.	2.9	38
27	Measuring infectious SARS-CoV-2 in clinical samples reveals a higher viral titer:RNA ratio for Delta and Epsilon vs. Alpha variants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	35
28	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
29	In vivo disruption of latent HSV by designer endonuclease therapy. <i>JCI Insight</i> , 2016, 1, .	2.3	33
30	Evolutionary History of Endogenous Human Herpesvirus 6 Reflects Human Migration out of Africa. <i>Molecular Biology and Evolution</i> , 2021, 38, 96-107.	3.5	31
31	Specific allelic discrimination of N501Y and other SARS-CoV-2 mutations by ddPCR detects B.1.1.7 lineage in Washington State. <i>Journal of Medical Virology</i> , 2021, 93, 5931-5941.	2.5	31
32	Hybrid nanocarriers incorporating mechanistically distinct drugs for lymphatic CD4 <sup>+</sup> T cell activation and HIV-1 latency reversal. <i>Science Advances</i> , 2019, 5, eaav6322.	4.7	30
33	<i>Treponema pallidum</i> genome sequencing from six continents reveals variability in vaccine candidate genes and dominance of Nichols clade strains in Madagascar. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0010063.	1.3	30
34	Viral diversity is an obligate consideration in CRISPR/Cas9 designs for targeting the HIV reservoir. <i>BMC Biology</i> , 2018, 16, 75.	1.7	29
35	The SARS-CoV-2 Omicron Variant Does Not Have Higher Nasal Viral Loads Compared to the Delta Variant in Symptomatic and Asymptomatic Individuals. <i>Journal of Clinical Microbiology</i> , 2022, 60, e0013922.	1.8	28
36	Fitness benefits of low infectivity in a spatially structured population of bacteriophages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132563.	1.2	27

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37	An observational, prospective study exploring the use of heart rate variability as a predictor of clinical outcomes in pre-hospital ambulance patients. <i>Resuscitation</i> , 2008, 78, 289-297.	1.3	24
38	Dual-strain genital herpes simplex virus type 2 (HSV-2) infection in the US, Peru, and 8 countries in sub-Saharan Africa: A nested cross-sectional viral genotyping study. <i>PLoS Medicine</i> , 2017, 14, e1002475.	3.9	22
39	Digital detection of endonuclease mediated gene disruption in the HIV provirus. <i>Scientific Reports</i> , 2016, 6, 20064.	1.6	21
40	Copy Number Heterogeneity, Large Origin Tandem Repeats, and Interspecies Recombination in Human Herpesvirus 6A (HHV-6A) and HHV-6B Reference Strains. <i>Journal of Virology</i> , 2018, 92, .	1.5	21
41	Large, Stable, Contemporary Interspecies Recombination Events in Circulating Human Herpes Simplex Viruses. <i>Journal of Infectious Diseases</i> , 2019, 221, 1271-1279.	1.9	21
42	A Fixed Spatial Structure of CD8+ T Cells in Tissue during Chronic HSV-2 Infection. <i>Journal of Immunology</i> , 2018, 201, 1522-1535.	0.4	19
43	Highly conserved intragenic HSV-2 sequences: Results from next-generation sequencing of HSV-2 UL and US regions from genital swabs collected from 3 continents. <i>Virology</i> , 2017, 510, 90-98.	1.1	17
44	HIV reservoir quantification using cross-subtype multiplex ddPCR. <i>IScience</i> , 2022, 25, 103615.	1.9	16
45	A Method for Variant Agnostic Detection of SARS-CoV-2, Rapid Monitoring of Circulating Variants, and Early Detection of Emergent Variants Such as Omicron. <i>Journal of Clinical Microbiology</i> , 2022, 60, .	1.8	14
46	In vivo dynamics of AAV-mediated gene delivery to sensory neurons of the trigeminal ganglia. <i>Scientific Reports</i> , 2017, 7, 927.	1.6	13
47	Viral Genetics Modulate Orolabial Herpes Simplex Virus Type 1 Shedding in Humans. <i>Journal of Infectious Diseases</i> , 2019, 219, 1058-1066.	1.9	13
48	CRISPR/Cas9 and Genome Editing for Viral Disease Resistance Futile?. <i>ACS Infectious Diseases</i> , 2018, 4, 871-880.	1.8	12
49	Rapid and accurate identification of SARS-CoV-2 Omicron variants using droplet digital PCR (RT-ddPCR). <i>Journal of Clinical Virology</i> , 2022, 154, 105218.	1.6	12
50	Adaptive regulatory substitutions affect multiple stages in the life cycle of the bacteriophage $\phi$ X174. <i>BMC Evolutionary Biology</i> , 2013, 13, 66.	3.2	9
51	Fast SARS-CoV-2 Variant Detection Using Snapback Primer High-Resolution Melting. <i>Diagnostics</i> , 2021, 11, 1788.	1.3	8
52	Phylogenetic estimates of SARS-CoV-2 introductions into Washington State. <i>The Lancet Regional Health Americas</i> , 2021, 1, 100018.	1.5	8
53	HIV reservoir quantification by five-target multiplex droplet digital PCR. <i>STAR Protocols</i> , 2021, 2, 100885.	0.5	8
54	Molecular Analysis of SARS-CoV-2 Lineages in Armenia. <i>Viruses</i> , 2022, 14, 1074.	1.5	7

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55	Narrow transmission bottlenecks and limited within-host viral diversity during a SARS-CoV-2 outbreak on a fishing boat. <i>Virus Evolution</i> , 2022, 8, .	2.2	7
56	Clinical Performance Characteristics of the Swift Normalase Amplicon Panel for Sensitive Recovery of Severe Acute Respiratory Syndrome Coronavirus 2 Genomes. <i>Journal of Molecular Diagnostics</i> , 2022, 24, 963-976.	1.2	7
57	The Impact of Spatial Structure on Viral Genomic Diversity Generated during Adaptation to Thermal Stress. <i>PLoS ONE</i> , 2014, 9, e88702.	1.1	6
58	Identification of Omicron-Delta Coinfections Using PCR-Based Genotyping. <i>Microbiology Spectrum</i> , 2022, 10, e0060522.	1.2	6
59	The Clinical and Genomic Epidemiology of Rhinovirus in Homeless Shelters—King County, Washington. <i>Journal of Infectious Diseases</i> , 2022, 226, S304-S314.	1.9	6
60	Pharmacodynamics of anti-HIV gene therapy using viral vectors and targeted endonucleases. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 2089-2099.	1.3	5
61	Trillions and Trillions: Herpes Simplex Virus-1 Hepatitis in an Immunocompetent Adult. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz465.	0.4	4
62	Retrospective Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) in Symptomatic Patients Prior to Widespread Diagnostic Testing in Southern California. <i>Clinical Infectious Diseases</i> , 2022, 74, 271-277.	2.9	4
63	Host-pathogen dynamics in longitudinal clinical specimens from patients with COVID-19. <i>Scientific Reports</i> , 2022, 12, 5856.	1.6	3
64	Tuning DNA binding affinity and cleavage specificity of an engineered gene-targeting nuclease via surface display, flow cytometry and cellular analyses. <i>Protein Engineering, Design and Selection</i> , 2017, 30, 503-522.	1.0	2
65	765. Detection of Treatment-Resistant Infectious HIV After Genome-Directed Antiviral Endonuclease Therapy. <i>Molecular Therapy</i> , 2016, 24, S303.	3.7	0
66	Title is missing!. , 2020, 16, e1008450.		0
67	Title is missing!. , 2020, 16, e1008450.		0
68	Title is missing!. , 2020, 16, e1008450.		0
69	Title is missing!. , 2020, 16, e1008450.		0
70	Title is missing!. , 2020, 16, e1008450.		0
71	Title is missing!. , 2020, 16, e1008450.		0