# Pavitra Roychoudhury

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Retrospective Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) in Symptomatic Patients Prior to Widespread Diagnostic Testing in Southern California. Clinical Infectious Diseases, 2022, 74, 271-277. | 2.9 | 4 |
| 2 | Variants of Concern Are Overrepresented Among Postvaccination Breakthrough Infections of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) in Washington State. Clinical Infectious Diseases, 2022, 74, 1089-1092. | 2.9 | 38 |
| 3 | Predicting infectivity: comparing four PCRâ€based assays to detect culturable SARSâ€CoVâ€2 in clinical samples. EMBO Molecular Medicine, 2022, 14, e15290. | 3.3 | 38 |
| 4 | HIV reservoir quantification using cross-subtype multiplex ddPCR. IScience, 2022, 25, 103615. | 1.9 | 16 |
| 5 | Measuring infectious SARS-CoV-2 in clinical samples reveals a higher viral titer:RNA ratio for Delta and Epsilon vs. Alpha variants. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 3.3 | 35 |
| 6 | 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. JAMA Network Open, 2022, 5, e2142796. | 2.8 | 57 |
| 7 | The SARS-CoV-2 Omicron Variant Does Not Have Higher Nasal Viral Loads Compared to the Delta Variant in Symptomatic and Asymptomatic Individuals. Journal of Clinical Microbiology, 2022, 60, e0013922. | 1.8 | 28 |
| 8 | De novo emergence of a remdesivir resistance mutation during treatment of persistent SARS-CoV-2 infection in an immunocompromised patient: a case report. Nature Communications, 2022, 13, 1547. | 5.8 | 159 |
| 9 | Hostâ€“pathogen dynamics in longitudinal clinical specimens from patients with COVID-19. Scientific Reports, 2022, 12, 5856. | 1.6 | 3 |
| 10 | 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. Clinical Infectious Diseases, 2022, 75, e536-e544. | 2.9 | 38 |
| 11 | Identification of Omicron-Delta Coinfections Using PCR-Based Genotyping. Microbiology Spectrum, 2022, 10, e0060522. | 1.2 | 6 |
| 12 | Molecular Analysis of SARS-CoV-2 Lineages in Armenia. Viruses, 2022, 14, 1074. | 1.5 | 7 |
| 13 | The Clinical and Genomic Epidemiology of Rhinovirus in Homeless Sheltersâ€”King County, Washington. Journal of Infectious Diseases, 2022, 226, S304-S314. | 1.9 | 6 |
| 14 | Narrow transmission bottlenecks and limited within-host viral diversity during a SARS-CoV-2 outbreak on a fishing boat. Virus Evolution, 2022, 8, . | 2.2 | 7 |
| 15 | Rapid and accurate identification of SARS-CoV-2 Omicron variants using droplet digital PCR (RT-ddPCR). Journal of Clinical Virology, 2022, 154, 105218. | 1.6 | 12 |
| 16 | A Method for Variant Agnostic Detection of SARS-CoV-2, Rapid Monitoring of Circulating Variants, and Early Detection of Emergent Variants Such as Omicron. Journal of Clinical Microbiology, 2022, 60, . | 1.8 | 14 |
| 17 | Clinical Performance Characteristics of the Swift Normalase Amplicon Panel for Sensitive Recovery of Severe Acute Respiratory Syndrome Coronavirus 2 Genomes. Journal of Molecular Diagnostics, 2022, 24, 963-976. | 1.2 | 7 |
| 18 | Evolutionary History of Endogenous Human Herpesvirus 6 Reflects Human Migration out of Africa. Molecular Biology and Evolution, 2021, 38, 96-107. | 3.5 | 31 |

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|---|---|---|---|
| 19 | Hospitalization and mortality associated with SARS-CoV-2 viral clades in COVID-19. Scientific Reports, 2021, 11, 4802. | 1.6 | 55 |
| 20 | CRISPR-Cas9 gene editing of hepatitis B virus in chronically infected humanized mice. Molecular Therapy - Methods and Clinical Development, 2021, 20, 258-275. | 1.8 | 62 |
| 21 | SARS-CoV-2 ORF6 Disrupts Bidirectional Nucleocytoplasmic Transport through Interactions with Rae1 and Nup98. MBio, 2021, 12, . | 1.8 | 92 |
| 22 | A highly multiplexed droplet digital PCR assay to measure the intact HIV-1 proviral reservoir. Cell Reports Medicine, 2021, 2, 100243. | 3.3 | 44 |
| 23 | Viral genomes reveal patterns of the SARS-CoV-2 outbreak in Washington State. Science Translational Medicine, 2021, 13, . | 5.8 | 58 |
| 24 | Specific allelic discrimination of N501Y and other SARSâ€CoVâ€2 mutations by ddPCR detects B.1.1.7 lineage in Washington State. Journal of Medical Virology, 2021, 93, 5931-5941. | 2.5 | 31 |
| 25 | A SARS-CoV-2 Nucleocapsid Variant that Affects Antigen Test Performance. Journal of Clinical Virology, 2021, 141, 104900. | 1.6 | 53 |
| 26 | 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. Journal of Clinical Microbiology, 2021, 59, e0098921. | 1.8 | 48 |
| 27 | Fast SARS-CoV-2 Variant Detection Using Snapback Primer High-Resolution Melting. Diagnostics, 2021, 11, 1788. | 1.3 | 8 |
| 28 | Phylogenetic estimates of SARS-CoV-2 introductions into Washington State. The Lancet Regional Health Americas, 2021, 1, 100018. | 1.5 | 8 |
| 29 | HIV reservoir quantification by five-target multiplex droplet digital PCR. STAR Protocols, 2021, 2, 100885. | 0.5 | 8 |
| 30 | Treponema pallidum genome sequencing from six continents reveals variability in vaccine candidate genes and dominance of Nichols clade strains in Madagascar. PLoS Neglected Tropical Diseases, 2021, 15, e0010063. | 1.3 | 30 |
| 31 | Sensitive Recovery of Complete SARS-CoV-2 Genomes from Clinical Samples by Use of Swift Biosciencesâ€™ SARS-CoV-2 Multiplex Amplicon Sequencing Panel. Journal of Clinical Microbiology, 2020, 59, . | 1.8 | 58 |
| 32 | Neutralizing Antibodies Correlate with Protection from SARS-CoV-2 in Humans during a Fishery Vessel Outbreak with a High Attack Rate. Journal of Clinical Microbiology, 2020, 58, . | 1.8 | 494 |
| 33 | In vivo antiviral host transcriptional response to SARS-CoV-2 by viral load, sex, and age. PLoS Biology, 2020, 18, e3000849. | 2.6 | 225 |
| 34 | Cryptic transmission of SARS-CoV-2 in Washington state. Science, 2020, 370, 571-575. | 6.0 | 217 |
| 35 | Gene editing and elimination of latent herpes simplex virus in vivo. Nature Communications, 2020, 11, 4148. | 5.8 | 46 |
| 36 | Metagenomic Analysis Reveals Clinical SARS-CoV-2 Infection and Bacterial or Viral Superinfection and Colonization. Clinical Chemistry, 2020, 66, 966-972. | 1.5 | 63 |

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|---|---|---|---|
| 37 | Coast-to-Coast Spread of SARS-CoV-2 during the Early Epidemic in the United States. Cell, 2020, 181, 990-996.e5. | 13.5 | 321 |
| 38 | Genomic surveillance reveals multiple introductions of SARS-CoV-2 into Northern California. Science, 2020, 369, 582-587. | 6.0 | 253 |
| 39 | Identification of multiple large deletions in ORF7a resulting in in-frame gene fusions in clinical SARS-CoV-2 isolates. Journal of Clinical Virology, 2020, 129, 104523. | 1.6 | 71 |
| 40 | Tissue memory CD4+ T cells expressing IL-7 receptor-alpha (CD127) preferentially support latent HIV-1 infection. PLoS Pathogens, 2020, 16, e1008450. | 2.1 | 34 |
| 41 | Tissue-resident T cellâ€“derived cytokines eliminate herpes simplex virus-2â€“infected cells. Journal of Clinical Investigation, 2020, 130, 2903-2919. | 3.9 | 40 |
| 42 | Title is missing!. , 2020, 16, e1008450. | | 0 |
| 43 | Title is missing!. , 2020, 16, e1008450. | | 0 |
| 44 | Title is missing!. , 2020, 16, e1008450. | | 0 |
| 45 | Title is missing!. , 2020, 16, e1008450. | | 0 |
| 46 | Title is missing!. , 2020, 16, e1008450. | | 0 |
| 47 | Title is missing!. , 2020, 16, e1008450. | | 0 |
| 48 | Large, Stable, Contemporary Interspecies Recombination Events in Circulating Human Herpes Simplex Viruses. Journal of Infectious Diseases, 2019, 221, 1271-1279. | 1.9 | 21 |
| 49 | Hybrid nanocarriers incorporating mechanistically distinct drugs for lymphatic CD4 <sup>+</sup> T cell activation and HIV-1 latency reversal. Science Advances, 2019, 5, eaav6322. | 4.7 | 30 |
| 50 | Trillions and Trillions: Herpes Simplex Virusâ€“1 Hepatitis in an Immunocompetent Adult. Open Forum Infectious Diseases, 2019, 6, ofz465. | 0.4 | 4 |
| 51 | Viral Genetics Modulate Orolabial Herpes Simplex Virus Type 1 Shedding in Humans. Journal of Infectious Diseases, 2019, 219, 1058-1066. | 1.9 | 13 |
| 52 | Copy Number Heterogeneity, Large Origin Tandem Repeats, and Interspecies Recombination in Human Herpesvirus 6A (HHV-6A) and HHV-6B Reference Strains. Journal of Virology, 2018, 92, . | 1.5 | 21 |
| 53 | CRISPR/Cas9 and Genome Editing for Viral Diseaseâ€”Is Resistance Futile?. ACS Infectious Diseases, 2018, 4, 871-880. | 1.8 | 12 |
| 54 | A Fixed Spatial Structure of CD8+ T Cells in Tissue during Chronic HSV-2 Infection. Journal of Immunology, 2018, 201, 1522-1535. | 0.4 | 19 |

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| 55 | Viral diversity is an obligate consideration in CRISPR/Cas9 designs for targeting the HIV reservoir. BMC Biology, 2018, 16, 75. | 1.7 | 29 |
| 56 | Ultrasensitive Capture of Human Herpes Simplex Virus Genomes Directly from Clinical Samples Reveals Extraordinarily Limited Evolution in Cell Culture. MSphere, 2018, 3, . | 1.3 | 49 |
| 57 | Comparative genomic, transcriptomic, and proteomic reannotation of human herpesvirus 6. BMC Genomics, 2018, 19, 204. | 1.2 | 45 |
| 58 | In vivo dynamics of AAV-mediated gene delivery to sensory neurons of the trigeminal ganglia. Scientific Reports, 2017, 7, 927. | 1.6 | 13 |
| 59 | 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. Virology, 2017, 510, 90-98. | 1.1 | 17 |
| 60 | Tuning DNA binding affinity and cleavage specificity of an engineered gene-targeting nuclease via surface display, flow cytometry and cellular analyses. Protein Engineering, Design and Selection, 2017, 30, 503-522. | 1.0 | 2 |
| 61 | 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. PLoS Medicine, 2017, 14, e1002475. | 3.9 | 22 |
| 62 | Digital detection of endonuclease mediated gene disruption in the HIV provirus. Scientific Reports, 2016, 6, 20064. | 1.6 | 21 |
| 63 | 765. Detection of Treatment-Resistant Infectious HIV After Genome-Directed Antiviral Endonuclease Therapy. Molecular Therapy, 2016, 24, S303. | 3.7 | 0 |
| 64 | Pharmacodynamics of anti-HIV gene therapy using viral vectors and targeted endonucleases. Journal of Antimicrobial Chemotherapy, 2016, 71, 2089-2099. | 1.3 | 5 |
| 65 | Detection of treatment-resistant infectious HIV after genome-directed antiviral endonuclease therapy. Antiviral Research, 2016, 126, 90-98. | 1.9 | 43 |
| 66 | In vivo disruption of latent HSV by designer endonuclease therapy. JCI Insight, 2016, 1, . | 2.3 | 33 |
| 67 | AAV-Mediated Delivery of Zinc Finger Nucleases Targeting Hepatitis B Virus Inhibits Active Replication. PLoS ONE, 2014, 9, e97579. | 1.1 | 95 |
| 68 | Fitness benefits of low infectivity in a spatially structured population of bacteriophages. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132563. | 1.2 | 27 |
| 69 | The Impact of Spatial Structure on Viral Genomic Diversity Generated during Adaptation to Thermal Stress. PLoS ONE, 2014, 9, e88702. | 1.1 | 6 |
| 70 | Adaptive regulatory substitutions affect multiple stages in the life cycle of the bacteriophage ï•X174. BMC Evolutionary Biology, 2013, 13, 66. | 3.2 | 9 |
| 71 | An observational, prospective study exploring the use of heart rate variability as a predictor of clinical outcomes in pre-hospital ambulance patients. Resuscitation, 2008, 78, 289-297. | 1.3 | 24 |