

# Brittany Rife Magalis

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

921  
citations

840776

11  
h-index

552781

26  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1504  
citing authors

#	ARTICLE	IF	CITATIONS
1	HyPhy 2.5â€”A Customizable Platform for Evolutionary Hypothesis Testing Using Phylogenies. <i>Molecular Biology and Evolution</i> , 2020, 37, 295-299.	8.9	342
2	Structural study of interaction between brinzolamide and dorzolamide inhibition of human carbonic anhydrases. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 7210-7215.	3.0	98
3	Sampling bias and incorrect rooting make phylogenetic network tracing of SARS-COV-2 infections unreliable. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12522-12523.	7.1	68
4	Neutral Theory and Rapidly Evolving Viral Pathogens. <i>Molecular Biology and Evolution</i> , 2018, 35, 1348-1354.	8.9	58
5	Evolution of Viral Genomes: Interplay Between Selection, Recombination, and Other Forces. <i>Methods in Molecular Biology</i> , 2019, 1910, 427-468.	0.9	48
6	Phylogenetics and Phyloanatomy of HIV/SIV Intra-Host Compartments and Reservoirs: The Key Role of the Central Nervous System. <i>Current HIV Research</i> , 2016, 14, 110-120.	0.5	39
7	Phylodynamic applications in 21st century global infectious disease research. <i>Global Health Research and Policy</i> , 2017, 2, 13.	3.6	34
8	Contrast-FELâ€”A Test for Differences in Selective Pressures at Individual Sites among Clades and Sets of Branches. <i>Molecular Biology and Evolution</i> , 2021, 38, 1184-1198.	8.9	33
9	Solution Structure of the HIV-1 Intron Splicing Silencer and Its Interactions with the UP1 Domain of Heterogeneous Nuclear Ribonucleoprotein (hnRNP) A1. <i>Journal of Biological Chemistry</i> , 2016, 291, 2331-2344.	3.4	25
10	SARS-CoV-2 shifting transmission dynamics and hidden reservoirs potentially limit efficacy of public health interventions in Italy. <i>Communications Biology</i> , 2021, 4, 489.	4.4	23
11	Tracking the Emergence of Host-Specific Simian Immunodeficiency Virus <i>env</i> and <i>nef</i> Populations Reveals <i>nef</i> Early Adaptation and Convergent Evolution in Brain of Naturally Progressing Rhesus Macaques. <i>Journal of Virology</i> , 2015, 89, 8484-8496.	3.4	21
12	Employing Molecular Phylodynamic Methods to Identify and Forecast HIV Transmission Clusters in Public Health Settings: A Qualitative Study. <i>Viruses</i> , 2020, 12, 921.	3.3	15
13	Evolution of Neuroadaptation in the Periphery and Purifying Selection in the Brain Contribute to Compartmentalization of Simian Immunodeficiency Virus (SIV) in the Brains of Rhesus Macaques with SIV-Associated Encephalitis. <i>Journal of Virology</i> , 2016, 90, 6112-6126.	3.4	14
14	On the early dynamics and spread of HIV-1. <i>Trends in Microbiology</i> , 2015, 23, 3-4.	7.7	12
15	Optimizing viral genome subsampling by genetic diversity and temporal distribution (TARDIS) for phylogenetics. <i>Bioinformatics</i> , 2022, 38, 856-860.	4.1	10
16	Insights into the Impact of CD8 <sup>+</sup> Immune Modulation on Human Immunodeficiency Virus Evolutionary Dynamics in Distinct Anatomical Compartments by Using Simian Immunodeficiency Virus-Infected Macaque Models of AIDS Progression. <i>Journal of Virology</i> , 2017, 91, .	3.4	8
17	Low-frequency variants in mildly symptomatic vaccine breakthrough infections presents a doubled-edged sword. <i>Journal of Medical Virology</i> , 2022, , .	5.0	8
18	Origin and dissemination of hepatitis B virus genotype C in East Asia revealed by phylodynamic analysis and historical correlates. <i>Journal of Viral Hepatitis</i> , 2019, 26, 145-154.	2.0	7

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19	Molecular Evolution of Human Norovirus GII.2 Clusters. <i>Frontiers in Microbiology</i> , 2021, 12, 655567.	3.5	7
20	National and International Dimensions of Human Immunodeficiency Virus-1 Sequence Clusters in a Northern California Clinical Cohort. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz135.	0.9	6
21	Phyloanatomic characterization of the distinct T cell and monocyte contributions to the peripheral blood HIV population within the host. <i>Virus Evolution</i> , 2020, 6, veaa005.	4.9	6
22	Brain tissue transcriptomic analysis of SIV-infected macaques identifies several altered metabolic pathways linked to neuropathogenesis and poly (ADP-ribose) polymerases (PARPs) as potential therapeutic targets. <i>Journal of NeuroVirology</i> , 2021, 27, 101-115.	2.1	6
23	Predator-Prey Dynamics of Intra-Host Simian Immunodeficiency Virus Evolution Within the Untreated Host. <i>Frontiers in Immunology</i> , 2021, 12, 709962.	4.8	4
24	Severe Acute Respiratory Syndrome Coronavirus 2 Delta Vaccine Breakthrough Transmissibility in Alachua County, Florida. <i>Clinical Infectious Diseases</i> , 2022, 75, 1618-1627.	5.8	4
25	Lessons Learned and Yet-to-Be Learned on the Importance of RNA Structure in SARS-CoV-2 Replication. <i>Microbiology and Molecular Biology Reviews</i> , 0, , .	6.6	4
26	Evaluation of global HIV/SIV envelope gp120 RNA structure and evolution within and among infected hosts. <i>Virus Evolution</i> , 2018, 4, vey018.	4.9	2
27	Molecular epidemiology of foodborne pathogens. , 2021, , 47-62.		2
28	Early Emergence Phase of SARS-CoV-2 Delta Variant in Florida, US. <i>Viruses</i> , 2022, 14, 766.	3.3	1