

# Selene Zarate

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,473  
citations

430843

18  
h-index

501174

28  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1705  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrin $\alpha 5 \beta 1$ mediates rotavirus cell entry. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 14644-14649.	7.1	168
2	Heat Shock Cognate Protein 70 Is Involved in Rotavirus Cell Entry. Journal of Virology, 2002, 76, 4096-4102.	3.4	152
3	Positive Selection of ORF1ab, ORF3a, and ORF8 Genes Drives the Early Evolutionary Trends of SARS-CoV-2 During the 2020 COVID-19 Pandemic. Frontiers in Microbiology, 2020, 11, 550674.	3.5	106
4	Biochemical Characterization of Rotavirus Receptors in MA104 Cells. Journal of Virology, 2000, 74, 9362-9371.	3.4	101
5	Comparative Study of Methods for Detecting Sequence Compartmentalization in Human Immunodeficiency Virus Type 1. Journal of Virology, 2007, 81, 6643-6651.	3.4	97
6	Interaction of Rotaviruses with Hsc70 during Cell Entry Is Mediated by VP5. Journal of Virology, 2003, 77, 7254-7260.	3.4	92
7	The VP5 Domain of VP4 Can Mediate Attachment of Rotaviruses to Cells. Journal of Virology, 2000, 74, 593-599.	3.4	87
8	Integrin $\alpha 2 \beta 1$ Mediates the Cell Attachment of the Rotavirus Neuraminidase-Resistant Variant nar3. Virology, 2000, 278, 50-54.	2.4	80
9	Positive Selection of Synonymous Mutations in Vesicular Stomatitis Virus. Journal of Molecular Biology, 2004, 342, 1415-1421.	4.2	73
10	Molecular Biology of Rotavirus Cell Entry. Archives of Medical Research, 2002, 33, 356-361.	3.3	65
11	Human Virome. Archives of Medical Research, 2017, 48, 701-716.	3.3	58
12	VP7 Mediates the Interaction of Rotaviruses with Integrin $\alpha 5 \beta 1$ through a Novel Integrin-Binding Site. Journal of Virology, 2004, 78, 10839-10847.	3.4	53
13	Vesicular Stomatitis Virus Evolution during Alternation between Persistent Infection in Insect Cells and Acute Infection in Mammalian Cells Is Dominated by the Persistence Phase. Journal of Virology, 2004, 78, 12236-12242.	3.4	49
14	The R2R3 Myb protein family in Entamoeba histolytica. Gene, 2010, 455, 32-42.	2.2	38
15	Genetic Analysis of SARS-CoV-2 Variants in Mexico during the First Year of the COVID-19 Pandemic. Viruses, 2021, 13, 2161.	3.3	32
16	Pleocytosis is associated with disruption of HIV compartmentalization between blood and cerebral spinal fluid viral populations. Virology, 2009, 385, 204-208.	2.4	29
17	Phylogeographic characteristics of vesicular stomatitis New Jersey viruses circulating in Mexico from 2005 to 2011 and their relationship to epidemics in the United States. Virology, 2014, 449, 17-24.	2.4	26
18	The Alpha Variant (B.1.1.7) of SARS-CoV-2 Failed to Become Dominant in Mexico. Microbiology Spectrum, 2022, 10, e0224021.	3.0	21

#	ARTICLE	IF	CITATIONS
19	Antagonistic Pleiotropy Involving Promoter Sequences in a Virus. <i>Journal of Molecular Biology</i> , 2008, 382, 342-352.	4.2	20
20	Selective Factors Associated with the Evolution of Codon Usage in Natural Populations of Arboviruses. <i>PLoS ONE</i> , 2016, 11, e0159943.	2.5	20
21	Estimating selection pressures on HIV-1 using phylogenetic likelihood models. <i>Statistics in Medicine</i> , 2008, 27, 4779-4789.	1.6	19
22	Early Events of Rotavirus Infection: The Search for the Receptor(s). <i>Novartis Foundation Symposium</i> , 2008, 238, 47-63.	1.1	17
23	Natural Vertical Transmission of Zika Virus in Larval <i>Aedes aegypti</i> Populations, Morelos, Mexico. <i>Emerging Infectious Diseases</i> , 2019, 25, 1477-1484.	4.3	17
24	Emergence of Mammalian Cell-Adapted Vesicular Stomatitis Virus from Persistent Infections of Insect Vector Cells. <i>Journal of Virology</i> , 2007, 81, 6664-6668.	3.4	15
25	Dominance of Three Sublineages of the SARS-CoV-2 Delta Variant in Mexico. <i>Viruses</i> , 2022, 14, 1165.	3.3	12
26	Characterization of a Monoclonal Antibody Directed to the Surface of MA104 Cells That Blocks the Infectivity of Rotaviruses. <i>Virology</i> , 2000, 273, 160-168.	2.4	11
27	Postsplicing-Derived Full-Length Intron Circles in the Protozoan Parasite <i>Entamoeba histolytica</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 255.	3.9	8
28	Transcriptional profile of processing machinery of 5' end of mRNA in <i>Trichomonas vaginalis</i> . <i>Genes and Genomics</i> , 2015, 37, 399-408.	1.4	2
29	Complete genome of DENV2 isolated from mosquitoes in Mexico. <i>Infection, Genetics and Evolution</i> , 2019, 71, 98-107.	2.3	1
30	The Role of Viral Genetic Variability in HIV-Associated Neurocognitive Disorder. , 0, , 201-218.		0