Andrea V Gamarnik

List of Publications by Year
in descending order

59	5,292	87888 38	138484 58
papers	citations	h-index	g-index

66	66	66	5431
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dengue Virus Capsid Protein Usurps Lipid Droplets for Viral Particle Formation. PLoS Pathogens, 2009, 5, e1000632.	4.7	484
2	Long-Range RNA-RNA Interactions Circularize the Dengue Virus Genome. Journal of Virology, 2005, 79, 6631-6643.	3.4	327
3	A 5' RNA element promotes dengue virus RNA synthesis on a circular genome. Genes and Development, 2006, 20, 2238-2249.	5.9	321
4	Role of RNA structures present at the 3â€²UTR of dengue virus on translation, RNA synthesis, and viral replication. Virology, 2005, 339, 200-212.	2.4	267
5	Comparative Flavivirus-Host Protein Interaction Mapping Reveals Mechanisms of Dengue and Zika Virus Pathogenesis. Cell, 2018, 175, 1931-1945.e18.	28.9	252
6	Interactions of Viral Protein 3CD and Poly(rC) Binding Protein with the 5â€² Untranslated Region of the Poliovirus Genome. Journal of Virology, 2000, 74, 2219-2226.	3.4	211
7	Functional RNA Elements in the Dengue Virus Genome. Viruses, 2011, 3, 1739-1756.	3.3	193
8	The Dengue Virus NS5 Protein Intrudes in the Cellular Spliceosome and Modulates Splicing. PLoS Pathogens, 2016, 12, e1005841.	4.7	176
9	Genome cyclization as strategy for flavivirus RNA replication. Virus Research, 2009, 139, 230-239.	2.2	172
10	Essential Role of Dengue Virus Envelope Protein N Glycosylation at Asparagine-67 during Viral Propagation. Journal of Virology, 2007, 81, 7136-7148.	3.4	170
11	Structural and Functional Studies of the Promoter Element for Dengue Virus RNA Replication. Journal of Virology, 2009, 83, 993-1008.	3.4	141
12	RNA Structure Duplications and Flavivirus Host Adaptation. Trends in Microbiology, 2016, 24, 270-283.	7.7	141
13	Dengue Virus RNA Structure Specialization Facilitates Host Adaptation. PLoS Pathogens, 2015, 11, e1004604.	4.7	138
14	Functional analysis of dengue virus cyclization sequences located at the 5â€² and 3â€²UTRs. Virology, 2008, 375, 223-235.	2.4	125
15	Properties and Functions of the Dengue Virus Capsid Protein. Annual Review of Virology, 2016, 3, 263-281.	6.7	119
16	Targeting Viral Proteostasis Limits Influenza Virus, HIV, and Dengue Virus Infection. Immunity, 2016, 44, 46-58.	14.3	110
17	A balance between circular and linear forms of the dengue virus genome is crucial for viral replication. Rna, 2010, 16, 2325-2335.	3.5	108
18	Amino Acid Substitutions at Position 190 of Human Immunodeficiency Virus Type 1 Reverse Transcriptase Increase Susceptibility to Delavirdine and Impair Virus Replication. Journal of Virology, 2003, 77, 1512-1523.	3.4	102

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19	RNA Sequences and Structures Required for the Recruitment and Activity of the Dengue Virus Polymerase. Journal of Biological Chemistry, 2011, 286, 6929-6939.	3.4	98
20	Dengue virus genomic variation associated with mosquito adaptation defines the pattern of viral non-coding RNAs and fitness in human cells. PLoS Pathogens, 2017, 13, e1006265.	4.7	95
21	Intracellular determinants of picornavirus replication. Trends in Microbiology, 1999, 7, 76-82.	7.7	85
22	Dengue Virus Genome Uncoating Requires Ubiquitination. MBio, 2016, 7, .	4.1	85
23	Overlapping Local and Long-Range RNA-RNA Interactions Modulate Dengue Virus Genome Cyclization and Replication. Journal of Virology, 2015, 89, 3430-3437.	3.4	78
24	A Derivate of the Antibiotic Doxorubicin Is a Selective Inhibitor of Dengue and Yellow Fever Virus Replication In Vitro. Antimicrobial Agents and Chemotherapy, 2010, 54, 5269-5280.	3.2	72
25	Nelfinavir-Resistant, Amprenavir-Hypersusceptible Strains of Human Immunodeficiency Virus Type 1 Carrying an N88S Mutation in Protease Have Reduced Infectivity, Reduced Replication Capacity, and Reduced Fitness and Process the Gag Polyprotein Precursor Aberrantly. Journal of Virology, 2002, 76, 8659-8666.	3.4	67
26	The F1 Motif of Dengue Virus Polymerase NS5 Is Involved in Promoter-Dependent RNA Synthesis. Journal of Virology, 2011, 85, 5745-5756.	3.4	65
27	The N-terminal K Homology Domain of the Poly(rC)-binding Protein Is a Major Determinant for Binding to the Poliovirus 5â€²-Untranslated Region and Acts as an Inhibitor of Viral Translation. Journal of Biological Chemistry, 1999, 274, 38163-38170.	3.4	64
28	Quantifying Absolute Neutralization Titers against SARS-CoV-2 by a Standardized Virus Neutralization Assay Allows for Cross-Cohort Comparisons of COVID-19 Sera. MBio, 2021, 12, .	4.1	64
29	Dynamic RNA structures in the dengue virus genome. RNA Biology, 2011, 8, 249-257.	3.1	62
30	Emergency response for evaluating SARS-CoV-2 immune status, seroprevalence and convalescent plasma in Argentina. PLoS Pathogens, 2021, 17, e1009161.	4.7	62
31	Sputnik V vaccine elicits seroconversion and neutralizing capacity to SARS-CoV-2 after a single dose. Cell Reports Medicine, 2021, 2, 100359.	6.5	62
32	Dengue Virus Uses a Nonâ€Canonical Function of the Host <scp>GBF1</scp>â€Arfâ€<scp>COPI</scp> System for Capsid Protein Accumulation on Lipid Droplets. Traffic, 2015, 16, 962-977.	2.7	61
33	Novel ATP-Independent RNA Annealing Activity of the Dengue Virus NS3 Helicase. PLoS ONE, 2012, 7, e36244.	2.5	60
34	Uncoupling cis -Acting RNA Elements from Coding Sequences Revealed a Requirement of the N-Terminal Region of Dengue Virus Capsid Protein in Virus Particle Formation. Journal of Virology, 2012, 86, 1046-1058.	3.4	57
35	Cadaverine, an Essential Diamine for the Normal Root Development of Germinating Soybean (Glycine) Tj ETQq1 1 0.784314 rgBT /Ov	4.8	56
36	RNA Structure Duplication in the Dengue Virus 3â€² UTR: Redundancy or Host Specificity?. MBio, 2019, 10, .	4.1	51

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37	Differential RNA Sequence Requirement for Dengue Virus Replication in Mosquito and Mammalian Cells. Journal of Virology, 2013, 87, 9365-9372.	3.4	46
38	An Analogue of the Antibiotic Teicoplanin Prevents Flavivirus Entry In Vitro. PLoS ONE, 2012, 7, e37244.	2.5	43
39	Dengue virus targets RBM10 deregulating host cell splicing and innate immune response. Nucleic Acids Research, 2020, 48, 6824-6838.	14.5	37
40	A Proline-Rich N-Terminal Region of the Dengue Virus NS3 Is Crucial for Infectious Particle Production. Journal of Virology, 2016, 90, 5451-5461.	3.4	30
41	Zika Virus Subgenomic Flavivirus RNA Generation Requires Cooperativity between Duplicated RNA Structures That Are Essential for Productive Infection in Human Cells. Journal of Virology, 2020, 94, .	3.4	27
42	Translation and Replication of Human Rhinovirus Type 14 and Mengovirus in Xenopus Oocytes. Journal of Virology, 2000, 74, 11983-11987.	3.4	26
43	Structural and Functional Analysis of Dengue Virus RNA. Novartis Foundation Symposium, 2008, , 120-135.	1.1	25
44	Discovery of novel dengue virus entry inhibitors via a structure-based approach. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3851-3855.	2.2	23
45	Characterization of internal ribosomal entry sites of Triatoma virus. Journal of General Virology, 2005, 86, 2275-2280.	2.9	21
46	De novo design approaches targeting an envelope protein pocket to identify small molecules against dengue virus. European Journal of Medicinal Chemistry, 2019, 182, 111628.	5.5	20
47	Dengue and Zika virus capsid proteins bind to membranes and self-assemble into liquid droplets with nucleic acids. Journal of Biological Chemistry, 2021, 297, 101059.	3.4	20
48	Steady-State NTPase Activity of Dengue Virus NS3: Number of Catalytic Sites, Nucleotide Specificity and Activation by ssRNA. PLoS ONE, 2013, 8, e58508.	2.5	19
49	Longitudinal Study after Sputnik V Vaccination Shows Durable SARS-CoV-2 Neutralizing Antibodies and Reduced Viral Variant Escape to Neutralization over Time. MBio, 2022, 13, e0344221.	4.1	19
50	The active essential CFNS3d protein complex.. FEBS Journal, 2006, 273, 3650-3662.	4.7	16
51	Structural and functional analysis of dengue virus RNA. Novartis Foundation Symposium, 2006, 277, 120-32; discussion 132-5, 251-3.	1.1	15
52	Monomeric nature of dengue virus NS3 helicase and thermodynamic analysis of the interaction with single-stranded RNA. Nucleic Acids Research, 2014, 42, 11668-11686.	14.5	10
53	Antibody durability at 1 year after Sputnik V vaccination. Lancet Infectious Diseases, The, 2022, 22, 589-590.	9.1	10
54	Heterologous booster response after inactivated virus BBIBP-CorV vaccination in older people. Lancet Infectious Diseases, The, 2022, 22, 1118-1119.	9.1	10

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55	Dengue Virus Capsid Protein Dynamics Reveals Spatially Heterogeneous Motion in Live-Infected-Cells. Scientific Reports, 2020, 10, 8751.	3.3	9
56	In vivo pair correlation microscopy reveals dengue virus capsid protein nucleocytoplasmic bidirectional movement in mammalian infected cells. Scientific Reports, 2021, 11, 24415.	3.3	5
57	Thermodynamic study of the effect of ions on the interaction between dengue virus NS3 helicase and single stranded RNA. Scientific Reports, 2019, 9, 10569.	3.3	4
58	Flaviviruses. , 2009, , 41-60.		2
59	Dengue Virus Capsid-Protein Dynamics in Live Infected Cells Studied by Pair Correlation. Methods in Molecular Biology, 2022, 2409, 99-117.	0.9	1