Anil Kumar

List of Publications by Year
in descending order

25 papers	1,480 citations	430874 18 h-index	610901 24 g-index
26 all docs	26 docs citations	26 times ranked	2929 citing authors

#	Article	IF	Citations
1	Zika virus inhibits typeâ€I interferon production and downstream signaling. EMBO Reports, 2016, 17, 1766-1775.	4.5	252
2	Nsp1 protein of SARS-CoV-2 disrupts the mRNA export machinery to inhibit host gene expression. Science Advances, 2021, 7, .	10.3	154
3	Thiazolidinoneâ€"Peptide Hybrids as Dengue Virus Protease Inhibitors with Antiviral Activity in Cell Culture. Journal of Medicinal Chemistry, 2013, 56, 8389-8403.	6.4	110
4	Zika Virus Hijacks Stress Granule Proteins and Modulates the Host Stress Response. Journal of Virology, 2017, 91, .	3.4	96
5	Characterization of the Mode of Action of a Potent Dengue Virus Capsid Inhibitor. Journal of Virology, 2014, 88, 11540-11555.	3.4	86
6	IGF1R is an entry receptor for respiratory syncytial virus. Nature, 2020, 583, 615-619.	27.8	84
7	Nuclear Localization of Dengue Virus Nonstructural Protein 5 Does Not Strictly Correlate with Efficient Viral RNA Replication and Inhibition of Type I Interferon Signaling. Journal of Virology, 2013, 87, 4545-4557.	3.4	79
8	Revisiting Dengue Virusâ€"Host Cell Interaction. Advances in Virus Research, 2014, 88, 1-109.	2.1	79
9	MicroRNAs regulate the immunometabolic response to viral infection in the liver. Nature Chemical Biology, 2015, 11, 988-993.	8.0	76
10	Human Sertoli cells support high levels of Zika virus replication and persistence. Scientific Reports, 2018, 8, 5477.	3.3	75
11	Flavivirus Infection Impairs Peroxisome Biogenesis and Early Antiviral Signaling. Journal of Virology, 2015, 89, 12349-12361.	3.4	73
12	SARS-CoV-2 Nonstructural Protein 1 Inhibits the Interferon Response by Causing Depletion of Key Host Signaling Factors. Journal of Virology, 2021, 95, e0026621.	3.4	72
13	Human Fetal Astrocytes Infected with Zika Virus Exhibit Delayed Apoptosis and Resistance to Interferon: Implications for Persistence. Viruses, 2018, 10, 646.	3.3	47
14	The Unique Cofactor Region of Zika Virus NS2Bâ€"NS3 Protease Facilitates Cleavage of Key Host Proteins. ACS Chemical Biology, 2018, 13, 2398-2405.	3.4	45
15	Singleâ€cellâ€based image analysis of highâ€throughput cell array screens for quantification of viral infection. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 309-318.	1.5	35
16	Fibroblast Growth Factor 2 Enhances Zika Virus Infection in Human Fetal Brain. Journal of Infectious Diseases, 2019, 220, 1377-1387.	4.0	23
17	Normalizing for individual cell population context in the analysis of high-content cellular screens. BMC Bioinformatics, 2011, 12, 485.	2.6	22
18	Interplay between Zika Virus and Peroxisomes during Infection. Cells, 2019, 8, 725.	4.1	22

#	Article	IF	Citations
19	Reciprocal Effects of Fibroblast Growth Factor Receptor Signaling on Dengue Virus Replication and Virion Production. Cell Reports, 2019, 27, 2579-2592.e6.	6.4	17
20	Detecting host factors involved in virus infection by observing the clustering of infected cells in siRNA screening images. Bioinformatics, 2010, 26, i653-i658.	4.1	15
21	A Direct from Blood/Plasma Reverse Transcriptionâ€"Polymerase Chain Reaction for Dengue Virus Detection in Point-of-Care Settings. American Journal of Tropical Medicine and Hygiene, 2019, 100, 1534-1540.	1.4	7
22	Mayaro Virus Non-Structural Protein 2 Circumvents the Induction of Interferon in Part by Depleting Host Transcription Initiation Factor IIE Subunit 2. Cells, 2021, 10, 3510.	4.1	4
23	Structure-based screening and validation of potential dengue virus inhibitors through classical and QM/MM affinity estimation. Journal of Molecular Graphics and Modelling, 2019, 90, 128-143.	2.4	3
24	Automated analysis of siRNA screens of cells infected by hepatitis C and dengue viruses based on immunofluorescence microscopy images. Proceedings of SPIE, 2008, , .	0.8	0
25	Automated Analysis of siRNA Screens of Virus Infected Cells Based on Immunofluorescence Microscopy. Informatik Aktuell, 2008, , 453-457.	0.6	0