

# Krishna Narayanan

## List of Publications by Year in descending order

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36  
papers

5,227  
citations

159585

30  
h-index

377865

34  
g-index

57  
all docs

57  
docs citations

57  
times ranked

7965  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Infectious cDNA Clone of SARS-CoV-2. <i>Cell Host and Microbe</i> , 2020, 27, 841-848.e3.	11.0	617
2	Severe acute respiratory syndrome coronavirus nsp1 protein suppresses host gene expression by promoting host mRNA degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12885-12890.	7.1	386
3	Severe Acute Respiratory Syndrome Coronavirus nsp1 Suppresses Host Gene Expression, Including That of Type I Interferon, in Infected Cells. <i>Journal of Virology</i> , 2008, 82, 4471-4479.	3.4	384
4	A two-pronged strategy to suppress host protein synthesis by SARS coronavirus Nsp1 protein. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 1134-1140.	8.2	332
5	SARS Coronavirus nsp1 Protein Induces Template-Dependent Endonucleolytic Cleavage of mRNAs: Viral mRNAs Are Resistant to nsp1-Induced RNA Cleavage. <i>PLoS Pathogens</i> , 2011, 7, e1002433.	4.7	308
6	Immunization with inactivated Middle East Respiratory Syndrome coronavirus vaccine leads to lung immunopathology on challenge with live virus. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 2351-2356.	3.3	243
7	Severe Acute Respiratory Syndrome Coronavirus Infection of Mice Transgenic for the Human Angiotensin-Converting Enzyme 2 Virus Receptor. <i>Journal of Virology</i> , 2007, 81, 1162-1173.	3.4	222
8	Cyclosporin A inhibits the replication of diverse coronaviruses. <i>Journal of General Virology</i> , 2011, 92, 2542-2548.	2.9	215
9	Characterization of the Coronavirus M Protein and Nucleocapsid Interaction in Infected Cells. <i>Journal of Virology</i> , 2000, 74, 8127-8134.	3.4	213
10	Rift Valley Fever Virus NSs Protein Promotes Post-Transcriptional Downregulation of Protein Kinase PKR and Inhibits eIF2 $\gamma$ Phosphorylation. <i>PLoS Pathogens</i> , 2009, 5, e1000287.	4.7	195
11	Severe Acute Respiratory Syndrome Coronavirus Protein nsp1 Is a Novel Eukaryotic Translation Inhibitor That Represses Multiple Steps of Translation Initiation. <i>Journal of Virology</i> , 2012, 86, 13598-13608.	3.4	176
12	Coronavirus nonstructural protein 1: Common and distinct functions in the regulation of host and viral gene expression. <i>Virus Research</i> , 2015, 202, 89-100.	2.2	173
13	SARS coronavirus accessory proteins. <i>Virus Research</i> , 2008, 133, 113-121.	2.2	160
14	Exogenous ACE2 Expression Allows Refractory Cell Lines To Support Severe Acute Respiratory Syndrome Coronavirus Replication. <i>Journal of Virology</i> , 2005, 79, 3846-3850.	3.4	143
15	Middle East Respiratory Syndrome Coronavirus nsp1 Inhibits Host Gene Expression by Selectively Targeting mRNAs Transcribed in the Nucleus while Sparing mRNAs of Cytoplasmic Origin. <i>Journal of Virology</i> , 2015, 89, 10970-10981.	3.4	136
16	Nucleocapsid-Independent Specific Viral RNA Packaging via Viral Envelope Protein and Viral RNA Signal. <i>Journal of Virology</i> , 2003, 77, 2922-2927.	3.4	130
17	Severe Acute Respiratory Syndrome Coronavirus 3a Protein Is a Viral Structural Protein. <i>Journal of Virology</i> , 2005, 79, 3182-3186.	3.4	123
18	Murine Coronavirus Replication-Induced p38 Mitogen-Activated Protein Kinase Activation Promotes Interleukin-6 Production and Virus Replication in Cultured Cells. <i>Journal of Virology</i> , 2002, 76, 5937-5948.	3.4	106

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19	Inhibition of Stress Granule Formation by Middle East Respiratory Syndrome Coronavirus 4a Accessory Protein Facilitates Viral Translation, Leading to Efficient Virus Replication. <i>Journal of Virology</i> , 2018, 92, .	3.4	97
20	Interplay between coronavirus, a cytoplasmic RNA virus, and nonsense-mediated mRNA decay pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10157-E10166.	7.1	86
21	Cooperation of an RNA Packaging Signal and a Viral Envelope Protein in Coronavirus RNA Packaging. <i>Journal of Virology</i> , 2001, 75, 9059-9067.	3.4	84
22	Suppression of Host Gene Expression by nsp1 Proteins of Group 2 Bat Coronaviruses. <i>Journal of Virology</i> , 2009, 83, 5282-5288.	3.4	76
23	Alphacoronavirus Transmissible Gastroenteritis Virus nsp1 Protein Suppresses Protein Translation in Mammalian Cells and in Cell-Free HeLa Cell Extracts but Not in Rabbit Reticulocyte Lysate. <i>Journal of Virology</i> , 2011, 85, 638-643.	3.4	73
24	Characterization of Synthetic Chikungunya Viruses Based on the Consensus Sequence of Recent E1-226V Isolates. <i>PLoS ONE</i> , 2013, 8, e71047.	2.5	70
25	Dual Functions of Rift Valley Fever Virus NSs Protein: Inhibition of Host mRNA Transcription and Posttranscriptional Downregulation of Protein Kinase PKR. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, E75-85.	3.8	65
26	Characterization of N protein self-association in coronavirus ribonucleoprotein complexes. <i>Virus Research</i> , 2003, 98, 131-140.	2.2	56
27	Severe Acute Respiratory Syndrome Coronavirus 3a Protein Is Released in Membranous Structures from 3a Protein-Expressing Cells and Infected Cells. <i>Journal of Virology</i> , 2006, 80, 210-217.	3.4	46
28	Interplay between viruses and host mRNA degradation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 732-741.	1.9	46
29	The S Segment of Punta Toro Virus ( Bunyaviridae , Phlebovirus ) Is a Major Determinant of Lethality in the Syrian Hamster and Codes for a Type I Interferon Antagonist. <i>Journal of Virology</i> , 2007, 81, 884-892.	3.4	40
30	The Endonucleolytic RNA Cleavage Function of nsp1 of Middle East Respiratory Syndrome Coronavirus Promotes the Production of Infectious Virus Particles in Specific Human Cell Lines. <i>Journal of Virology</i> , 2018, 92, .	3.4	39
31	Parsing the role of NSP1 in SARS-CoV-2 infection. <i>Cell Reports</i> , 2022, 39, 110954.	6.4	37
32	A strand-specific real-time quantitative RT-PCR assay for distinguishing the genomic and antigenomic RNAs of Rift Valley fever phlebovirus. <i>Journal of Virological Methods</i> , 2019, 272, 113701.	2.1	15
33	Characterization of Nucleocapsid-M Protein Interaction in Murine Coronavirus. <i>Advances in Experimental Medicine and Biology</i> , 2001, 494, 577-582.	1.6	12
34	Coronavirus Accessory Proteins. , 2014, , 235-244.		10
35	Characterization of the Molecular Interactions That Govern the Packaging of Viral RNA Segments into Rift Valley Fever Phlebovirus Particles. <i>Journal of Virology</i> , 2021, 95, e0042921.	3.4	8
36	Coronaviruses and Arteriviruses. , 0, , 373-387.		2