Cheng Huang

List of Publications by Year
in descending order

57 papers	4,289 citations	186209 28 h-index	149623 56 g-index
59 all docs	59 docs citations	59 times ranked	5887 citing authors

#	Article	IF	Citations
1	Severe acute respiratory syndrome coronavirus nsp1 protein suppresses host gene expression by promoting host mRNA degradation. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12885-12890.	3.3	386
2	Severe Acute Respiratory Syndrome Coronavirus nsp1 Suppresses Host Gene Expression, Including That of Type I Interferon, in Infected Cells. Journal of Virology, 2008, 82, 4471-4479.	1.5	384
3	Antiviral activities of type I interferons to SARS-CoV-2 infection. Antiviral Research, 2020, 179, 104811.	1.9	374
4	A two-pronged strategy to suppress host protein synthesis by SARS coronavirus Nsp1 protein. Nature Structural and Molecular Biology, 2009, 16, 1134-1140.	3.6	332
5	SARS Coronavirus nsp1 Protein Induces Template-Dependent Endonucleolytic Cleavage of mRNAs: Viral mRNAs Are Resistant to nsp1-Induced RNA Cleavage. PLoS Pathogens, 2011, 7, e1002433.	2.1	308
6	Severe Acute Respiratory Syndrome Coronavirus Infection of Mice Transgenic for the Human Angiotensin-Converting Enzyme 2 Virus Receptor. Journal of Virology, 2007, 81, 1162-1173.	1.5	222
7	Severe Acute Respiratory Syndrome Coronavirus Protein nsp1 Is a Novel Eukaryotic Translation Inhibitor That Represses Multiple Steps of Translation Initiation. Journal of Virology, 2012, 86, 13598-13608.	1.5	176
8	SARS coronavirus accessory proteins. Virus Research, 2008, 133, 113-121.	1.1	160
9	Exogenous ACE2 Expression Allows Refractory Cell Lines To Support Severe Acute Respiratory Syndrome Coronavirus Replication. Journal of Virology, 2005, 79, 3846-3850.	1.5	143
10	A Viral RNA Structural Element Alters Host Recognition of Nonself RNA. Science, 2014, 343, 783-787.	6.0	143
11	Severe Acute Respiratory Syndrome Coronavirus 3a Protein Is a Viral Structural Protein. Journal of Virology, 2005, 79, 3182-3186.	1.5	123
12	Impact of primer dimers and self-amplifying hairpins on reverse transcription loop-mediated isothermal amplification detection of viral RNA. Analyst, The, 2018, 143, 1924-1933.	1.7	94
13	Lassa feverâ€"induced sensorineural hearing loss: A neglected public health and social burden. PLoS Neglected Tropical Diseases, 2018, 12, e0006187.	1.3	94
14	Severe Acute Respiratory Syndrome Coronavirus 7a Accessory Protein Is a Viral Structural Protein. Journal of Virology, 2006, 80, 7287-7294.	1.5	86
15	Murine Coronavirus Nonstructural Protein p28 Arrests Cell Cycle in G 0 /G 1 Phase. Journal of Virology, 2004, 78, 10410-10419.	1.5	83
16	Suppression of Host Gene Expression by nsp1 Proteins of Group 2 Bat Coronaviruses. Journal of Virology, 2009, 83, 5282-5288.	1.5	76
17	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. Journal of Virology, 2011, 85, 638-643.	1.5	73
18	JunÃn Virus Pathogenesis and Virus Replication. Viruses, 2012, 4, 2317-2339.	1.5	72

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19	The contribution of the cytoplasmic retrieval signal of severe acute respiratory syndrome coronavirus to intracellular accumulation of S proteins and incorporation of S protein into virus-like particles. Journal of General Virology, 2016, 97, 1853-1864.	1.3	58
20	JunÃn Virus Infection Activates the Type I Interferon Pathway in a RIG-I-Dependent Manner. PLoS Neglected Tropical Diseases, 2012, 6, e1659.	1.3	57
21	Severe Acute Respiratory Syndrome Coronavirus Accessory Protein 6 Is a Virion-Associated Protein and Is Released from 6 Protein-Expressing Cells. Journal of Virology, 2007, 81, 5423-5426.	1.5	53
22	Differential Virological and Immunological Outcome of Severe Acute Respiratory Syndrome Coronavirus Infection in Susceptible and Resistant Transgenic Mice Expressing Human Angiotensin-Converting Enzyme 2. Journal of Virology, 2009, 83, 5451-5465.	1.5	52
23	Involvement of the Zinc-Binding Capacity of Sendai Virus V Protein in Viral Pathogenesis. Journal of Virology, 2000, 74, 7834-7841.	1.5	47
24	Severe Acute Respiratory Syndrome Coronavirus 3a Protein Is Released in Membranous Structures from 3a Protein-Expressing Cells and Infected Cells. Journal of Virology, 2006, 80, 210-217.	1.5	46
25	Highly Pathogenic New World and Old World Human Arenaviruses Induce Distinct Interferon Responses in Human Cells. Journal of Virology, 2015, 89, 7079-7088.	1.5	41
26	The Glycoprotein Precursor Gene of Junin Virus Determines the Virulence of the Romero Strain and the Attenuation of the Candid #1 Strain in a Representative Animal Model of Argentine Hemorrhagic Fever. Journal of Virology, 2015, 89, 5949-5956.	1.5	37
27	Rescue of a Recombinant Machupo Virus from Cloned cDNAs and <i>In Vivo</i> Characterization in Interferon (Î±Î²/Î³) Receptor Double Knockout Mice. Journal of Virology, 2014, 88, 1914-1923.	1.5	33
28	Hybrid Gene Origination Creates Human-Virus Chimeric Proteins during Infection. Cell, 2020, 181, 1502-1517.e23.	13.5	33
29	Highly Pathogenic New World Arenavirus Infection Activates the Pattern Recognition Receptor Protein Kinase R without Attenuating Virus Replication in Human Cells. Journal of Virology, 2017, 91, .	1.5	29
30	Absence of an N-Linked Glycosylation Motif in the Glycoprotein of the Live-Attenuated Argentine Hemorrhagic Fever Vaccine, Candid #1, Results in Its Improper Processing, and Reduced Surface Expression. Frontiers in Cellular and Infection Microbiology, 2017, 7, 20.	1.8	27
31	Animal Models of Lassa Fever. Pathogens, 2020, 9, 197.	1.2	27
32	Innate Immune Response to Arenaviral Infection: A Focus on the Highly Pathogenic New World Hemorrhagic Arenaviruses. Journal of Molecular Biology, 2013, 425, 4893-4903.	2.0	25
33	Mutational Analysis of the Sendai Virus V Protein: Importance of the Conserved Residues for Zn Binding, Virus Pathogenesis, and Efficient RNA Editing. Virology, 2002, 299, 172-181.	1.1	24
34	RIG-I Enhanced Interferon Independent Apoptosis upon Junin Virus Infection. PLoS ONE, 2014, 9, e99610.	1.1	24
35	Machupo Virus Expressing GPC of the Candid#1 Vaccine Strain of Junin Virus Is Highly Attenuated and Immunogenic. Journal of Virology, 2016, 90, 1290-1297.	1.5	23
36	Ibuprofen as a template molecule for drug design against Ebola virus. Frontiers in Bioscience - Landmark, 2018, 23, 947-953.	3.0	23

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37	Monoclonal Antibodies with Neutralizing Activity and Fc-Effector Functions against the Machupo Virus Glycoprotein. Journal of Virology, 2020, 94, .	1.5	22
38	Lassa Virus, but Not Highly Pathogenic New World Arenaviruses, Restricts Immunostimulatory Double-Stranded RNA Accumulation during Infection. Journal of Virology, 2020, 94, .	1.5	22
39	Zika virus infection elicits auto-antibodies to C1q. Scientific Reports, 2018, 8, 1882.	1.6	21
40	Visualization of Double-Stranded RNA Colocalizing With Pattern Recognition Receptors in Arenavirus Infected Cells. Frontiers in Cellular and Infection Microbiology, 2018, 8, 251.	1.8	20
41	Adenoviral vector-based vaccine is fully protective against lethal Lassa fever challenge in Hartley guinea pigs. Vaccine, 2019, 37, 6824-6831.	1.7	19
42	Involvement of the Leader Sequence in Sendai Virus Pathogenesis Revealed by Recovery of a Pathogenic Field Isolate from cDNA. Journal of Virology, 2002, 76, 8540-8547.	1.5	18
43	Potent Inhibition of JunÃn Virus Infection by Interferon in Murine Cells. PLoS Neglected Tropical Diseases, 2014, 8, e2933.	1.3	18
44	A Substitution in the Transmembrane Region of the Glycoprotein Leads to an Unstable Attenuation of Machupo Virus. Journal of Virology, 2014, 88, 10995-10999.	1.5	18
45	Glycoprotein N-linked glycans play a critical role in arenavirus pathogenicity. PLoS Pathogens, 2021, 17, e1009356.	2.1	16
46	Two palmitylated cysteine residues of the severe acute respiratory syndrome coronavirus spike (S) protein are critical for S incorporation into virus-like particles, but not for Mâ€"S co-localization. Journal of General Virology, 2012, 93, 823-828.	1.3	15
47	Differential Immune Responses to Hemorrhagic Fever-Causing Arenaviruses. Vaccines, 2019, 7, 138.	2.1	15
48	The Ectodomain of Glycoprotein from the Candid#1 Vaccine Strain of Junin Virus Rendered Machupo Virus Partially Attenuated in Mice Lacking IFN-Î±Î²/Î³ Receptor. PLoS Neglected Tropical Diseases, 2016, 10, e0004969.	1.3	14
49	The Glycoprotein of the Live-Attenuated Junin Virus Vaccine Strain Induces Endoplasmic Reticulum Stress and Forms Aggregates prior to Degradation in the Lysosome. Journal of Virology, 2020, 94, .	1.5	12
50	Lethal Infection of Lassa Virus Isolated from a Human Clinical Sample in Outbred Guinea Pigs without Adaptation. MSphere, 2019, 4, .	1.3	11
51	Coronavirus Accessory Proteins. , 2014, , 235-244.		10
52	Alteration of Sendai Virus Morphogenesis and Nucleocapsid Incorporation due to Mutation of Cysteine Residues of the Matrix Protein. Journal of Virology, 2002, 76, 1682-1690.	1.5	9
53	Confocal Imaging of Double-Stranded RNA and Pattern Recognition Receptors in Negative-Sense RNA Virus Infection. Journal of Visualized Experiments, 2019, , .	0.2	8
54	A single mutation (V64G) within the RING Domain of Z attenuates Junin virus. PLoS Neglected Tropical Diseases, 2020, 14, e0008555.	1.3	7

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55	Masking of the contribution of V protein to sendai virus pathogenesis in an infection model with a highly virulent field isolate. Virology, 2003, 313, 581-587.	1.1	5
56	Machupo Virus with Mutations in the Transmembrane Domain and Glycosylation Sites of the Glycoprotein Is Attenuated and Immunogenic in Animal Models of Bolivian Hemorrhagic Fever. Journal of Virology, 2022, , e0020922.	1.5	3
57	Nephropathogenic Infectious Bronchitis Virus Mediates Kidney Injury in Chickens via the TLR7/NF-Î°B Signaling Axis. Frontiers in Cellular and Infection Microbiology, 2022, 12, 865283.	1.8	2