Wataru Kamitani

List of Publications by Year
in descending order

46 papers	3,260 citations	236912 25 h-index	265191 42 g-index
52 all docs	52 docs citations	52 times ranked	4470 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.	7.1	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.	3.4	384
3	A two-pronged strategy to suppress host protein synthesis by SARS coronavirus Nsp1 protein. Nature Structural and Molecular Biology, 2009, 16, 1134-1140.	8.2	332
4	Rift Valley Fever Virus NSs Protein Promotes Post-Transcriptional Downregulation of Protein Kinase PKR and Inhibits eIF2Î± Phosphorylation. PLoS Pathogens, 2009, 5, e1000287.	4.7	195
5	Severe Acute Respiratory Syndrome Coronavirus nsp1 Facilitates Efficient Propagation in Cells through a Specific Translational Shutoff of Host mRNA. Journal of Virology, 2012, 86, 11128-11137.	3.4	187
6	The Inhaled Steroid Ciclesonide Blocks SARS-CoV-2 RNA Replication by Targeting the Viral Replication-Transcription Complex in Cultured Cells. Journal of Virology, 2020, 95, .	3.4	178
7	Two-amino acids change in the nsp4 of SARS coronavirus abolishes viral replication. Virology, 2017, 510, 165-174.	2.4	118
8	Establishment of a reverse genetics system for SARS-CoV-2 using circular polymerase extension reaction. Cell Reports, 2021, 35, 109014.	6.4	102
9	Japanese Encephalitis Virus Core Protein Inhibits Stress Granule Formation through an Interaction with Caprin-1 and Facilitates Viral Propagation. Journal of Virology, 2013, 87, 489-502.	3.4	91
10	Development of fluorescent reverse transcription loop-mediated isothermal amplification (RT-LAMP) using quenching probes for the detection of the Middle East respiratory syndrome coronavirus. Journal of Virological Methods, 2018, 258, 41-48.	2.1	90
11	Establishment of a Novel Permissive Cell Line for the Propagation of Hepatitis C Virus by Expression of MicroRNA miR122. Journal of Virology, 2012, 86, 1382-1393.	3.4	83
12	Combining machine learning and nanopore construction creates an artificial intelligence nanopore for coronavirus detection. Nature Communications, 2021, 12, 3726.	12.8	80
13	Suppression of Host Gene Expression by nsp1 Proteins of Group 2 Bat Coronaviruses. Journal of Virology, 2009, 83, 5282-5288.	3.4	76
14	Glial expression of Borna disease virus phosphoprotein induces behavioral and neurological abnormalities in transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8969-8974.	7.1	69
15	Dual Functions of Rift Valley Fever Virus NSs Protein: Inhibition of Host mRNA Transcription and Postâ€transcriptional Downregulation of Protein Kinase PKR. Annals of the New York Academy of Sciences, 2009, 1171, E75-85.	3.8	65
16	Heterogeneous Nuclear Ribonucleoprotein A2 Participates in the Replication of Japanese Encephalitis Virus through an Interaction with Viral Proteins and RNA. Journal of Virology, 2011, 85, 10976-10988.	3.4	65
17	Borna Disease Virus Phosphoprotein Binds a Neurite Outgrowth Factor, Amphoterin/HMG-1. Journal of Virology, 2001, 75, 8742-8751.	3.4	58
18	MERS coronavirus nsp1 participates in an efficient propagation through a specific interaction with viral RNA. Virology, 2017, 511, 95-105.	2.4	55

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19	Detection of Borna disease virus in a pregnant mare and her fetus. Veterinary Microbiology, 2000, 72, 207-216.	1.9	49
20	Borna Disease Virus Nucleoprotein Requires both Nuclear Localization and Export Activities for Viral Nucleocytoplasmic Shuttling. Journal of Virology, 2001, 75, 3404-3412.	3.4	49
21	High prevalence of Borna disease virus in domestic cats with neurological disorders in Japan. Veterinary Microbiology, 1999, 70, 153-169.	1.9	38
22	Molecular Ratio between Borna Disease Viralâ€p40 and â€p24 Proteins in Infected Cells Determined by Quantitative Antigen Capture ELISA. Microbiology and Immunology, 2000, 44, 765-772.	1.4	37
23	Neurological Diseases and Viral Dynamics in the Brains of Neonatally Borna Disease Virus-Infected Gerbils. Virology, 2001, 282, 65-76.	2.4	37
24	Borna Disease Virus Phosphoprotein Represses p53-Mediated Transcriptional Activity by Interference with HMGB1. Journal of Virology, 2003, 77, 12243-12251.	3.4	35
25	ACE2-like carboxypeptidase B38-CAP protects from SARS-CoV-2-induced lung injury. Nature Communications, 2021, 12, 6791.	12.8	32
26	Modulation of Borna Disease Virus Phosphoprotein Nuclear Localization by the Viral Protein X Encoded in the Overlapping Open Reading Frame. Journal of Virology, 2003, 77, 8099-8107.	3.4	26
27	Molecular pharmacology of ciclesonide against SARS-CoV-2. Journal of Allergy and Clinical Immunology, 2020, 146, 330-331.	2.9	26
28	COVID-19 cynomolgus macaque model reflecting human COVID-19 pathological conditions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	26
29	Translation Initiation of a Bicistronic mRNA of Borna Disease Virus: A 16-kDa Phosphoprotein Is Initiated at an Internal Start Codon. Virology, 2000, 277, 296-305.	2.4	23
30	Downregulation of an Astrocyte-Derived Inflammatory Protein, S100B, Reduces Vascular Inflammatory Responses in Brains Persistently Infected with Borna Disease Virus. Journal of Virology, 2007, 81, 5940-5948.	3.4	21
31	Establishment of a Virulent Full-Length cDNA Clone for Type I Feline Coronavirus Strain C3663. Journal of Virology, 2019, 93, .	3.4	19
32	Nosological study of Borna disease virus infection in race horses. Veterinary Microbiology, 2002, 84, 367-374.	1.9	18
33	Borna disease virus induces acute fatal neurological disorders in neonatal gerbils without virus- and immune-mediated cell destructions. Virology, 2003, 310, 245-253.	2.4	15
34	Middle East Respiratory Syndrome Coronavirus in Dromedaries in Ethiopia Is Antigenically Different From the Middle East Isolate EMC. Frontiers in Microbiology, 2019, 10, 1326.	3.5	14
35	Roles of OmpX, an Outer Membrane Protein, on Virulence and Flagellar Expression in Uropathogenic Escherichia coli. Infection and Immunity, 2021, 89, .	2.2	12
36	Persistent Borna Disease Virus Infection Confers Instability of HSP70 mRNA in Glial Cells during Heat Stress. Journal of Virology, 2005, 79, 2033-2041.	3.4	11

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37	Bloodâ€"cerebrospinal fluid barrier: another site disrupted during experimental cerebral malaria caused by Plasmodium berghei ANKA. International Journal for Parasitology, 2020, 50, 1167-1175.	3.1	11
38	Varied Persistent Life Cycles of Borna Disease Virus in a Human Oligodendroglioma Cell Line. Journal of Virology, 2002, 76, 3873-3880.	3.4	9
39	Characterization of a Borna disease virus field isolate which shows efficient viral propagation and transmissibility. Microbes and Infection, 2007, 9, 417-427.	1.9	9
40	Adsorption of Phenazines Produced by Pseudomonas aeruginosa Using AST-120 Decreases Pyocyanin-Associated Cytotoxicity. Antibiotics, 2021, 10, 434.	3.7	8
41	Age- and host-dependent control of Borna disease virus spread in the developing brains of gerbils and rats. Microbes and Infection, 2003, 5, 1195-1204.	1.9	5
42	Long-term acrylamide exposure exacerbates brain and lung pathology in a mouse malaria model. Food and Chemical Toxicology, 2021, 151, 112132.	3.6	5
43	Nonstructural proteins of Novel Coronavirus (SARS-CoV-2). Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2020, 93, 2-ES-2.	0.0	0
44	Therapeutic effects of angiotensin converting enzyme 2 (ACE2) enzyme activity on acute lung injury in COVID-19. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2022, 95, 2-O-041.	0.0	0
45	Comparison of young and elderly COVID-19 cynomolgus macaque models reflecting human COVID-19 pathological conditions. Translational and Regulatory Sciences, 2021, 4, 20-24.	0.2	0
46	Fundamental Research of Virus in Gunma University. Kitakanto Medical Journal, 2022, 72, 237-238.	0.0	0