Shinji Makino

List of Publications by Year
in descending order

120 papers	9,853 citations	34105 52 h-index	42399 92 g-index
144 all docs	144 docs citations	144 times ranked	10915 citing authors

#	Article	IF	Citations
1	Parsing the role of NSP1 in SARS-CoV-2 infection. Cell Reports, 2022, 39, 110954.	6.4	37
2	Mechanisms of Coronavirus Nsp1-Mediated Control of Host and Viral Gene Expression. Cells, 2021, 10, 300.	4.1	60
3	Novel herpesvirus discovered in walrus liver. Virus Genes, 2021, 57, 228-232.	1.6	0
4	Characterization of the Molecular Interactions That Govern the Packaging of Viral RNA Segments into Rift Valley Fever Phlebovirus Particles. Journal of Virology, 2021, 95, e0042921.	3.4	8
5	Rift Valley fever virus 78kDa envelope protein attenuates virus replication in macrophage-derived cell lines and viral virulence in mice. PLoS Neglected Tropical Diseases, 2021, 15, e0009785.	3.0	7
6	African pygmy hedgehog adenovirus: Virus replication, virus-induced cytopathogenesis and activation of mitogen-activated protein kinase signaling pathways in infected MDCK cells. Research in Veterinary Science, 2021, 139, 152-158.	1.9	0
7	Molecular characterization of feline paramyxovirus in Japanese cat populations. Archives of Virology, 2020, 165, 413-418.	2.1	19
8	A nanoluciferase SARS-CoV-2 for rapid neutralization testing and screening of anti-infective drugs for COVID-19. Nature Communications, 2020, 11, 5214.	12.8	179
9	Reverse genetics approaches for the development of bunyavirus vaccines. Current Opinion in Virology, 2020, 44, 16-25.	5.4	7
10	An Infectious cDNA Clone of SARS-CoV-2. Cell Host and Microbe, 2020, 27, 841-848.e3.	11.0	617
11	A strand-specific real-time quantitative RT-PCR assay for distinguishing the genomic and antigenomic RNAs of Rift Valley fever phlebovirus. Journal of Virological Methods, 2019, 272, 113701.	2.1	15
12	A novel defective recombinant porcine enterovirus G virus carrying a porcine torovirus papain-like cysteine protease gene and a putative anti-apoptosis gene in place of viral structural protein genes. Infection, Genetics and Evolution, 2019, 75, 103975.	2.3	14
13	Introduction to Virology special issue featuring nidovirus research. Virology, 2018, 517, 1-2.	2.4	0
14	A new comprehensive method for detection of livestock-related pathogenic viruses using a target enrichment system. Biochemical and Biophysical Research Communications, 2018, 495, 1871-1877.	2.1	7
15	A single-cycle replicable Rift Valley fever phlebovirus vaccine carrying a mutated NSs confers full protection from lethal challenge in mice. Scientific Reports, 2018, 8, 17097.	3.3	8
16	Interplay between coronavirus, a cytoplasmic RNA virus, and nonsense-mediated mRNA decay pathway. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10157-E10166.	7.1	86
17	Metagenomic identification and sequence analysis of a Teschovirus A-related virus in porcine feces in Japan, 2014â€“2016. Infection, Genetics and Evolution, 2018, 66, 210-216.	2.3	10
18	Dembo polymerase chain reaction technique for detection of bovine abortion, diarrhea, and respiratory disease complex infectious agents in potential vectors and reservoirs. Journal of Veterinary Science, 2018, 19, 350.	1.3	5

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19	Whole genome analysis of a novel picornavirus related to the Enterovirus/Sapelovirus supergroup from porcine feces in Japan. Virus Research, 2018, 257, 68-73.	2.2	3
20	Inhibition of Stress Granule Formation by Middle East Respiratory Syndrome Coronavirus 4a Accessory Protein Facilitates Viral Translation, Leading to Efficient Virus Replication. Journal of Virology, 2018, 92, .	3.4	97
21	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. Journal of Virology, 2018, 92, .	3.4	39
22	Genetic diversity and recombination of enterovirus G strains in Japanese pigs: High prevalence of strains carrying a papain-like cysteine protease sequence in the enterovirus G population. PLoS ONE, 2018, 13, e0190819.	2.5	30
23	Mechanistic Insight into the Host Transcription Inhibition Function of Rift Valley Fever Virus NSs and Its Importance in Virulence. PLoS Neglected Tropical Diseases, 2016, 10, e0005047.	3.0	11
24	Generation of a Single-Cycle Replicable Rift Valley Fever Vaccine. Methods in Molecular Biology, 2016, 1403, 187-206.	0.9	7
25	Single-cycle replicable Rift Valley fever virus mutants as safe vaccine candidates. Virus Research, 2016, 216, 55-65.	2.2	11
26	Protein Phosphatase-1 regulates Rift Valley fever virus replication. Antiviral Research, 2016, 127, 79-89.	4.1	19
27	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.	2.9	58
28	Coronavirus nonstructural protein 1: Common and distinct functions in the regulation of host and viral gene expression. Virus Research, 2015, 202, 89-100.	2.2	173
29	Middle East Respiratory Syndrome Coronavirus nsp1 Inhibits Host Gene Expression by Selectively Targeting mRNAs Transcribed in the Nucleus while Sparing mRNAs of Cytoplasmic Origin. Journal of Virology, 2015, 89, 10970-10981.	3.4	136
30	Interplay between the Virus and Host in Rift Valley Fever Pathogenesis. Journal of Innate Immunity, 2015, 7, 450-458.	3.8	27
31	Coronavirus Accessory Proteins. , 2014, , 235-244.		10
32	Development of a Novel, Single-Cycle Replicable Rift Valley Fever Vaccine. PLoS Neglected Tropical Diseases, 2014, 8, e2746.	3.0	19
33	Safety and immunogenicity of recombinant Rift Valley fever MP-12 vaccine candidates in sheep. Vaccine, 2013, 31, 559-565.	3.8	53
34	The C-Terminal Region of Rift Valley Fever Virus NSm Protein Targets the Protein to the Mitochondrial Outer Membrane and Exerts Antiapoptotic Function. Journal of Virology, 2013, 87, 676-682.	3.4	49
35	Interplay between viruses and host mRNA degradation. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2013, 1829, 732-741.	1.9	46
36	Immunogenicity of a recombinant Rift Valley fever MP-12-NSm deletion vaccine candidate in calves. Vaccine, 2013, 31, 4988-4994.	3.8	34

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37	Characterization of Synthetic Chikungunya Viruses Based on the Consensus Sequence of Recent E1-226V Isolates. PLoS ONE, 2013, 8, e71047.	2.5	70
38	The Nucleocapsid Protein of Rift Valley Fever Virus Is a Potent Human CD8+ T Cell Antigen and Elicits Memory Responses. PLoS ONE, 2013, 8, e59210.	2.5	27
39	Roles of the Coding and Noncoding Regions of Rift Valley Fever Virus RNA Genome Segments in Viral RNA Packaging. Journal of Virology, 2012, 86, 4034-4039.	3.4	18
40	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.	3.4	176
41	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.	2.9	15
42	A structural analysis of M protein in coronavirus assembly and morphology. Journal of Structural Biology, 2011, 174, 11-22.	2.8	625
43	The Pathogenesis of Rift Valley Fever. Viruses, 2011, 3, 493-519.	3.3	282
44	Rift Valley Fever. , 2011, , 462-465.		9
45	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.	3.4	73
46	Mechanism of tripartite RNA genome packaging in Rift Valley fever virus. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 804-809.	7.1	44
47	Cyclosporin A inhibits the replication of diverse coronaviruses. Journal of General Virology, 2011, 92, 2542-2548.	2.9	215
48	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.	4.7	308
49	Rapid Accumulation of Virulent Rift Valley Fever Virus in Mice from an Attenuated Virus Carrying a Single Nucleotide Substitution in the M RNA. PLoS ONE, 2010, 5, e9986.	2.5	39
50	Suppression of Host Gene Expression by nsp1 Proteins of Group 2 Bat Coronaviruses. Journal of Virology, 2009, 83, 5282-5288.	3.4	76
51	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
52	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
53	Rift Valley Fever Virus L Protein Forms a Biologically Active Oligomer. Journal of Virology, 2009, 83, 12779-12789.	3.4	32
54	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.	3.4	52

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55	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
56	Rift Valley fever vaccines. Vaccine, 2009, 27, D69-D72.	3.8	116
57	Chimeric coronavirus-like particles carrying severe acute respiratory syndrome coronavirus (SCoV) S protein protect mice against challenge with SCoV. Vaccine, 2008, 26, 797-808.	3.8	68
58	SARS coronavirus accessory proteins. Virus Research, 2008, 133, 113-121.	2.2	160
59	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
60	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.	3.4	53
61	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.	3.4	222
62	NSm Protein of Rift Valley Fever Virus Suppresses Virus-Induced Apoptosis. Journal of Virology, 2007, 81, 13335-13345.	3.4	160
63	Characterization of Rift Valley Fever Virus Transcriptional Terminations. Journal of Virology, 2007, 81, 8421-8438.	3.4	48
64	Rescue of Infectious Rift Valley Fever Virus Entirely from cDNA, Analysis of Virus Lacking the NSs Gene, and Expression of a Foreign Gene. Journal of Virology, 2006, 80, 2933-2940.	3.4	210
65	Severe Acute Respiratory Syndrome Coronavirus 7a Accessory Protein Is a Viral Structural Protein. Journal of Virology, 2006, 80, 7287-7294.	3.4	86
66	NSm and 78-Kilodalton Proteins of Rift Valley Fever Virus Are Nonessential for Viral Replication in Cell Culture. Journal of Virology, 2006, 80, 8274-8278.	3.4	90
67	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.	3.4	46
68	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
69	Severe Acute Respiratory Syndrome Coronavirus 3a Protein Is a Viral Structural Protein. Journal of Virology, 2005, 79, 3182-3186.	3.4	123
70	Exogenous ACE2 Expression Allows Refractory Cell Lines To Support Severe Acute Respiratory Syndrome Coronavirus Replication. Journal of Virology, 2005, 79, 3846-3850.	3.4	143
71	Severe Acute Respiratory Syndrome and the Innate Immune Responses: Modulation of Effector Cell Function without Productive Infection. Journal of Immunology, 2005, 174, 7977-7985.	0.8	141
72	Rift Valley Fever Virus Nonstructural Protein NSs Promotes Viral RNA Replication and Transcription in a Minigenome System. Journal of Virology, 2005, 79, 5606-5615.	3.4	95

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73	Rift Valley Fever Virus NSs mRNA Is Transcribed from an Incoming Anti-Viral-Sense S RNA Segment. Journal of Virology, 2005, 79, 12106-12111.	3.4	77
74	Murine Coronavirus Nonstructural Protein p28 Arrests Cell Cycle in G 0 /G 1 Phase. Journal of Virology, 2004, 78, 10410-10419.	3.4	83
75	Murine Coronavirus Replication Induces Cell Cycle Arrest in G 0 /G 1 Phase. Journal of Virology, 2004, 78, 5658-5669.	3.4	89
76	Characterization of N protein self-association in coronavirus ribonucleoprotein complexes. Virus Research, 2003, 98, 131-140.	2.2	56
77	Nucleocapsid-Independent Specific Viral RNA Packaging via Viral Envelope Protein and Viral RNA Signal. Journal of Virology, 2003, 77, 2922-2927.	3.4	130
78	Murine Coronavirus Replication-Induced p38 Mitogen-Activated Protein Kinase Activation Promotes Interleukin-6 Production and Virus Replication in Cultured Cells. Journal of Virology, 2002, 76, 5937-5948.	3.4	106
79	Murine Coronavirus-Induced Apoptosis in 17Cl-1 Cells Involves a Mitochondria-Mediated Pathway and Its Downstream Caspase-8 Activation and Bid Cleavage. Virology, 2002, 302, 321-332.	2.4	35
80	Membrane Topology of Coronavirus E Protein. Virology, 2001, 281, 163-169.	2.4	68
81	Enhanced Accumulation of Coronavirus Defective Interfering RNA from Expressed Negative-Strand Transcripts by Coexpressed Positive-Strand RNA Transcripts. Virology, 2001, 287, 286-300.	2.4	8
82	Cooperation of an RNA Packaging Signal and a Viral Envelope Protein in Coronavirus RNA Packaging. Journal of Virology, 2001, 75, 9059-9067.	3.4	84
83	Characterization of Nucleocapsid-M Protein Interaction in Murine Coronavirus. Advances in Experimental Medicine and Biology, 2001, 494, 577-582.	1.6	12
84	Specific Cleavage of 28S Ribosomal RNA in Murine Coronavirus-Infected Cells. Advances in Experimental Medicine and Biology, 2001, 494, 621-626.	1.6	3
85	Nascent Synthesis of Leader Sequence-Containing Subgenomic mRNAs in Coronavirus Genome-Length Replicative Intermediate RNA. Virology, 2000, 275, 238-243.	2.4	16
86	Characterization of the Coronavirus M Protein and Nucleocapsid Interaction in Infected Cells. Journal of Virology, 2000, 74, 8127-8134.	3.4	213
87	RNase L-Independent Specific 28S rRNA Cleavage in Murine Coronavirus-Infected Cells. Journal of Virology, 2000, 74, 8793-8802.	3.4	44
88	Release of Coronavirus E Protein in Membrane Vesicles from Virus-Infected Cells and E Protein-Expressing Cells. Virology, 1999, 263, 265-272.	2.4	72
89	Induction of Apoptosis in Murine Coronavirus-Infected Cultured Cells and Demonstration of E Protein as an Apoptosis Inducer. Journal of Virology, 1999, 73, 7853-7859.	3.4	110
90	Characterizations of Coronaviruscis-Acting RNA Elements and the Transcription Step Affecting Its Transcription Efficiency. Virology, 1998, 243, 198-207.	2.4	22

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91	Importance of coronavirus negative-strand genomic RNA synthesis prior to subgenomic RNA transcription. Virus Research, 1998, 57, 35-42.	2.2	4
92	Importance of the Positive-Strand RNA Secondary Structure of a Murine Coronavirus Defective Interfering RNA Internal Replication Signal in Positive-Strand RNA Synthesis. Journal of Virology, 1998, 72, 7926-7933.	3.4	21
93	Coronavirus Transcription Early in Infection. Journal of Virology, 1998, 72, 8517-8524.	3.4	19
94	Coronavirus Transcription Mediated by Sequences Flanking the Transcription Consensus Sequence. Virology, 1996, 217, 311-322.	2.4	36
95	Neuropathogenicity of mouse hepatitis virus JHM isolates differing in hemagglutinin-esterase protein expression. Journal of NeuroVirology, 1995, 1, 330-339.	2.1	25
96	Expression of Murine Coronavirus Genes 1 and 7 is Sufficient for Viral RNA Synthesis. Advances in Experimental Medicine and Biology, 1995, 380, 479-484.	1.6	0
97	Analysis of Coronavirus Transcription Regulation. Advances in Experimental Medicine and Biology, 1995, 380, 473-478.	1.6	2
98	A Murine Coronavirus MHV-S Isolate from Persistently infected Cells Has a Leader and Two Consensus Sequences between the M and N Genes. Virology, 1994, 198, 355-359.	2.4	16
99	cis-acting genomic elements and trans-acting proteins involved in the assembly of RNA viruses. Seminars in Virology, 1994, 5, 39-49.	3.9	23
100	Site-Specific Sequence Repair of Coronavirus Defective Interfering RNA by RNA Recombination and Edited RNA. Advances in Experimental Medicine and Biology, 1994, 342, 137-142.	1.6	0
101	Analysis of the CIS-Acting Elements of Coronavirus Transcription. Advances in Experimental Medicine and Biology, 1994, 342, 91-97.	1.6	0
102	Generation and Selection of Coronavirus Defective Interfering RNA with Large Open Reading Frame by RNA Recombination and Possible Editing. Virology, 1993, 194, 244-253.	2.4	48
103	Analysis of cis-Acting Sequences Essential for Coronavirus Defective Interfering RNA Replication. Virology, 1993, 197, 53-63.	2.4	126
104	Studies of Coronavirus DI RNA Replication Using In Vitro Constructed DI cDNA Clones. Advances in Experimental Medicine and Biology, 1990, 276, 341-347.	1.6	4
105	Evolution of the 5â€²-end of genomic rna of murine coronaviruses during passages in vitro. Virology, 1989, 169, 227-232.	2.4	72
106	Biosynthesis, structure, and biological activities of envelope protein gp65 of murine coronavirus. Virology, 1989, 173, 683-691.	2.4	66
107	Primary structure and translation of a defective interfering rna of murine coronavirus. Virology, 1988, 166, 550-560.	2.4	114
108	Defective-interfering particles of murine coronavirus: Mechanism of synthesis of defective viral RNAs. Virology, 1988, 163, 104-111.	2.4	79

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109	Multiple recombination sites at the 5â€²-end of murine coronavirus RNA. Virology, 1987, 156, 331-341.	2.4	77
110	Molecular cloning and sequencing of a human hepatitis delta (Î´) virus RNA. Nature, 1987, 329, 343-346.	27.8	358
111	RNA Recombination of Coronavirus. Advances in Experimental Medicine and Biology, 1987, 218, 99-107.	1.6	27
112	Defective Interfering Particles of Coronavirus. Advances in Experimental Medicine and Biology, 1987, 218, 187-195.	1.6	2
113	Murine Coronavirus 5â€²-End Genomic RNA Sequence Reveals Mechanism of Leader-Primed Transcription. Advances in Experimental Medicine and Biology, 1987, 218, 73-81.	1.6	2
114	Neuropathogenicity of Mutant Strains of Mouse Hepatitis Virus, 1a and 2c, from DBT Cells Persistently Infected with JHM Strain. Advances in Experimental Medicine and Biology, 1987, 218, 439-440.	1.6	1
115	Production and characterization of monoclonal antibodies to mouse hepatitis virus, MHV-NuU.. Nihon Juigaku Zasshi, 1985, 47, 423-433.	0.3	5
116	Analysis of genomic and intracellular viral RNAs of small plaque mutants of mouse hepatitis virus, JHM strain. Virology, 1984, 139, 138-151.	2.4	104
117	Defective interfering particles of mouse hepatitis virus. Virology, 1984, 133, 9-17.	2.4	98
118	Characterization of Small Plaque Mutants of Mouse Hepatitis Virus, JHM Strain. Microbiology and Immunology, 1983, 27, 445-454.	1.4	41
119	Persistent Infection with Mouse Hepatitis Virus, JHM Strain in DBT Cell Culture. Advances in Experimental Medicine and Biology, 1981, 142, 301-308.	1.6	38
120	Coronaviruses and Arteriviruses. , 0, , 373-387.		2