

Shinji Makino

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6143033/publications.pdf>

Version: 2024-02-01

120
papers

9,853
citations

34076

52
h-index

42364

92
g-index

144
all docs

144
docs citations

144
times ranked

10915
citing authors

#	ARTICLE	IF	CITATIONS
1	A structural analysis of M protein in coronavirus assembly and morphology. <i>Journal of Structural Biology</i> , 2011, 174, 11-22.	1.3	625
2	An Infectious cDNA Clone of SARS-CoV-2. <i>Cell Host and Microbe</i> , 2020, 27, 841-848.e3.	5.1	617
3	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.	3.3	386
4	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.	1.5	384
5	Molecular cloning and sequencing of a human hepatitis delta (δ) virus RNA. <i>Nature</i> , 1987, 329, 343-346.	13.7	358
6	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.	3.6	332
7	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.	2.1	308
8	The Pathogenesis of Rift Valley Fever. <i>Viruses</i> , 2011, 3, 493-519.	1.5	282
9	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.	1.5	222
10	Cyclosporin A inhibits the replication of diverse coronaviruses. <i>Journal of General Virology</i> , 2011, 92, 2542-2548.	1.3	215
11	Characterization of the Coronavirus M Protein and Nucleocapsid Interaction in Infected Cells. <i>Journal of Virology</i> , 2000, 74, 8127-8134.	1.5	213
12	Rescue of Infectious Rift Valley Fever Virus Entirely from cDNA, Analysis of Virus Lacking the NSs Gene, and Expression of a Foreign Gene. <i>Journal of Virology</i> , 2006, 80, 2933-2940.	1.5	210
13	Rift Valley Fever Virus NSs Protein Promotes Post-Transcriptional Downregulation of Protein Kinase PKR and Inhibits eIF2 γ Phosphorylation. <i>PLoS Pathogens</i> , 2009, 5, e1000287.	2.1	195
14	A nanoluciferase SARS-CoV-2 for rapid neutralization testing and screening of anti-infective drugs for COVID-19. <i>Nature Communications</i> , 2020, 11, 5214.	5.8	179
15	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.	1.5	176
16	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.	1.1	173
17	NSm Protein of Rift Valley Fever Virus Suppresses Virus-Induced Apoptosis. <i>Journal of Virology</i> , 2007, 81, 13335-13345.	1.5	160
18	SARS coronavirus accessory proteins. <i>Virus Research</i> , 2008, 133, 113-121.	1.1	160

#	ARTICLE	IF	CITATIONS
19	Exogenous ACE2 Expression Allows Refractory Cell Lines To Support Severe Acute Respiratory Syndrome Coronavirus Replication. <i>Journal of Virology</i> , 2005, 79, 3846-3850.	1.5	143
20	Severe Acute Respiratory Syndrome and the Innate Immune Responses: Modulation of Effector Cell Function without Productive Infection. <i>Journal of Immunology</i> , 2005, 174, 7977-7985.	0.4	141
21	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.	1.5	136
22	Nucleocapsid-Independent Specific Viral RNA Packaging via Viral Envelope Protein and Viral RNA Signal. <i>Journal of Virology</i> , 2003, 77, 2922-2927.	1.5	130
23	Analysis of cis-Acting Sequences Essential for Coronavirus Defective Interfering RNA Replication. <i>Virology</i> , 1993, 197, 53-63.	1.1	126
24	Severe Acute Respiratory Syndrome Coronavirus 3a Protein Is a Viral Structural Protein. <i>Journal of Virology</i> , 2005, 79, 3182-3186.	1.5	123
25	Rift Valley fever vaccines. <i>Vaccine</i> , 2009, 27, D69-D72.	1.7	116
26	Primary structure and translation of a defective interfering rna of murine coronavirus. <i>Virology</i> , 1988, 166, 550-560.	1.1	114
27	Induction of Apoptosis in Murine Coronavirus-Infected Cultured Cells and Demonstration of E Protein as an Apoptosis Inducer. <i>Journal of Virology</i> , 1999, 73, 7853-7859.	1.5	110
28	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.	1.5	106
29	Analysis of genomic and intracellular viral RNAs of small plaque mutants of mouse hepatitis virus, JHM strain. <i>Virology</i> , 1984, 139, 138-151.	1.1	104
30	Defective interfering particles of mouse hepatitis virus. <i>Virology</i> , 1984, 133, 9-17.	1.1	98
31	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, .	1.5	97
32	Rift Valley Fever Virus Nonstructural Protein NSs Promotes Viral RNA Replication and Transcription in a Minigenome System. <i>Journal of Virology</i> , 2005, 79, 5606-5615.	1.5	95
33	NSm and 78-Kilodalton Proteins of Rift Valley Fever Virus Are Nonessential for Viral Replication in Cell Culture. <i>Journal of Virology</i> , 2006, 80, 8274-8278.	1.5	90
34	Murine Coronavirus Replication Induces Cell Cycle Arrest in G 0 /G 1 Phase. <i>Journal of Virology</i> , 2004, 78, 5658-5669.	1.5	89
35	Severe Acute Respiratory Syndrome Coronavirus 7a Accessory Protein Is a Viral Structural Protein. <i>Journal of Virology</i> , 2006, 80, 7287-7294.	1.5	86
36	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.	3.3	86

#	ARTICLE	IF	CITATIONS
37	Cooperation of an RNA Packaging Signal and a Viral Envelope Protein in Coronavirus RNA Packaging. <i>Journal of Virology</i> , 2001, 75, 9059-9067.	1.5	84
38	Murine Coronavirus Nonstructural Protein p28 Arrests Cell Cycle in G 0 /G 1 Phase. <i>Journal of Virology</i> , 2004, 78, 10410-10419.	1.5	83
39	Defective-interfering particles of murine coronavirus: Mechanism of synthesis of defective viral RNAs. <i>Virology</i> , 1988, 163, 104-111.	1.1	79
40	Multiple recombination sites at the 5' end of murine coronavirus RNA. <i>Virology</i> , 1987, 156, 331-341.	1.1	77
41	Rift Valley Fever Virus NSs mRNA Is Transcribed from an Incoming Anti-Viral-Sense S RNA Segment. <i>Journal of Virology</i> , 2005, 79, 12106-12111.	1.5	77
42	Suppression of Host Gene Expression by nsp1 Proteins of Group 2 Bat Coronaviruses. <i>Journal of Virology</i> , 2009, 83, 5282-5288.	1.5	76
43	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.	1.5	73
44	Evolution of the 5' end of genomic rna of murine coronaviruses during passages in vitro. <i>Virology</i> , 1989, 169, 227-232.	1.1	72
45	Release of Coronavirus E Protein in Membrane Vesicles from Virus-Infected Cells and E Protein-Expressing Cells. <i>Virology</i> , 1999, 263, 265-272.	1.1	72
46	Characterization of Synthetic Chikungunya Viruses Based on the Consensus Sequence of Recent E1-226V Isolates. <i>PLoS ONE</i> , 2013, 8, e71047.	1.1	70
47	Membrane Topology of Coronavirus E Protein. <i>Virology</i> , 2001, 281, 163-169.	1.1	68
48	Chimeric coronavirus-like particles carrying severe acute respiratory syndrome coronavirus (SCoV) S protein protect mice against challenge with SCoV. <i>Vaccine</i> , 2008, 26, 797-808.	1.7	68
49	Biosynthesis, structure, and biological activities of envelope protein gp65 of murine coronavirus. <i>Virology</i> , 1989, 173, 683-691.	1.1	66
50	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.	1.8	65
51	Mechanisms of Coronavirus Nsp1-Mediated Control of Host and Viral Gene Expression. <i>Cells</i> , 2021, 10, 300.	1.8	60
52	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. <i>Journal of General Virology</i> , 2016, 97, 1853-1864.	1.3	58
53	Characterization of N protein self-association in coronavirus ribonucleoprotein complexes. <i>Virus Research</i> , 2003, 98, 131-140.	1.1	56
54	Severe Acute Respiratory Syndrome Coronavirus Accessory Protein 6 Is a Virion-Associated Protein and Is Released from 6 Protein-Expressing Cells. <i>Journal of Virology</i> , 2007, 81, 5423-5426.	1.5	53

#	ARTICLE	IF	CITATIONS
55	Safety and immunogenicity of recombinant Rift Valley fever MP-12 vaccine candidates in sheep. <i>Vaccine</i> , 2013, 31, 559-565.	1.7	53
56	Differential Virological and Immunological Outcome of Severe Acute Respiratory Syndrome Coronavirus Infection in Susceptible and Resistant Transgenic Mice Expressing Human Angiotensin-Converting Enzyme 2. <i>Journal of Virology</i> , 2009, 83, 5451-5465.	1.5	52
57	The C-Terminal Region of Rift Valley Fever Virus NSm Protein Targets the Protein to the Mitochondrial Outer Membrane and Exerts Antiapoptotic Function. <i>Journal of Virology</i> , 2013, 87, 676-682.	1.5	49
58	Generation and Selection of Coronavirus Defective Interfering RNA with Large Open Reading Frame by RNA Recombination and Possible Editing. <i>Virology</i> , 1993, 194, 244-253.	1.1	48
59	Characterization of Rift Valley Fever Virus Transcriptional Terminations. <i>Journal of Virology</i> , 2007, 81, 8421-8438.	1.5	48
60	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.	1.5	46
61	Interplay between viruses and host mRNA degradation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 732-741.	0.9	46
62	RNase L-Independent Specific 28S rRNA Cleavage in Murine Coronavirus-Infected Cells. <i>Journal of Virology</i> , 2000, 74, 8793-8802.	1.5	44
63	Mechanism of tripartite RNA genome packaging in Rift Valley fever virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 804-809.	3.3	44
64	Characterization of Small Plaque Mutants of Mouse Hepatitis Virus, JHM Strain. <i>Microbiology and Immunology</i> , 1983, 27, 445-454.	0.7	41
65	Rapid Accumulation of Virulent Rift Valley Fever Virus in Mice from an Attenuated Virus Carrying a Single Nucleotide Substitution in the M RNA. <i>PLoS ONE</i> , 2010, 5, e9986.	1.1	39
66	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, .	1.5	39
67	Persistent Infection with Mouse Hepatitis Virus, JHM Strain in DBT Cell Culture. <i>Advances in Experimental Medicine and Biology</i> , 1981, 142, 301-308.	0.8	38
68	Parsing the role of NSP1 in SARS-CoV-2 infection. <i>Cell Reports</i> , 2022, 39, 110954.	2.9	37
69	Coronavirus Transcription Mediated by Sequences Flanking the Transcription Consensus Sequence. <i>Virology</i> , 1996, 217, 311-322.	1.1	36
70	Murine Coronavirus-Induced Apoptosis in 17Cl-1 Cells Involves a Mitochondria-Mediated Pathway and Its Downstream Caspase-8 Activation and Bid Cleavage. <i>Virology</i> , 2002, 302, 321-332.	1.1	35
71	Immunogenicity of a recombinant Rift Valley fever MP-12-NSm deletion vaccine candidate in calves. <i>Vaccine</i> , 2013, 31, 4988-4994.	1.7	34
72	Rift Valley Fever Virus L Protein Forms a Biologically Active Oligomer. <i>Journal of Virology</i> , 2009, 83, 12779-12789.	1.5	32

#	ARTICLE	IF	CITATIONS
73	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.	1.1	30
74	Interplay between the Virus and Host in Rift Valley Fever Pathogenesis. Journal of Innate Immunity, 2015, 7, 450-458.	1.8	27
75	RNA Recombination of Coronavirus. Advances in Experimental Medicine and Biology, 1987, 218, 99-107.	0.8	27
76	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.	1.1	27
77	Neuropathogenicity of mouse hepatitis virus JHM isolates differing in hemagglutinin-esterase protein expression. Journal of NeuroVirology, 1995, 1, 330-339.	1.0	25
78	cis-acting genomic elements and trans-acting proteins involved in the assembly of RNA viruses. Seminars in Virology, 1994, 5, 39-49.	4.1	23
79	Characterizations of Coronavirus cis-Acting RNA Elements and the Transcription Step Affecting Its Transcription Efficiency. Virology, 1998, 243, 198-207.	1.1	22
80	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.	1.5	21
81	Development of a Novel, Single-Cycle Replicable Rift Valley Fever Vaccine. PLoS Neglected Tropical Diseases, 2014, 8, e2746.	1.3	19
82	Protein Phosphatase-1 regulates Rift Valley fever virus replication. Antiviral Research, 2016, 127, 79-89.	1.9	19
83	Molecular characterization of feline paramyxovirus in Japanese cat populations. Archives of Virology, 2020, 165, 413-418.	0.9	19
84	Coronavirus Transcription Early in Infection. Journal of Virology, 1998, 72, 8517-8524.	1.5	19
85	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.	1.5	18
86	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.	1.1	16
87	Nascent Synthesis of Leader Sequence-Containing Subgenomic mRNAs in Coronavirus Genome-Length Replicative Intermediate RNA. Virology, 2000, 275, 238-243.	1.1	16
88	Two palmitoylated cysteine residues of the severe acute respiratory syndrome coronavirus spike (S) protein are critical for S incorporation into virus-like particles, but not for M ¹ S co-localization. Journal of General Virology, 2012, 93, 823-828.	1.3	15
89	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.	1.0	15
90	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.	1.0	14

#	ARTICLE	IF	CITATIONS
91	Characterization of Nucleocapsid-M Protein Interaction in Murine Coronavirus. <i>Advances in Experimental Medicine and Biology</i> , 2001, 494, 577-582.	0.8	12
92	Mechanistic Insight into the Host Transcription Inhibition Function of Rift Valley Fever Virus NSs and Its Importance in Virulence. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005047.	1.3	11
93	Single-cycle replicable Rift Valley fever virus mutants as safe vaccine candidates. <i>Virus Research</i> , 2016, 216, 55-65.	1.1	11
94	Coronavirus Accessory Proteins. , 2014, , 235-244.		10
95	Metagenomic identification and sequence analysis of a Teschovirus A-related virus in porcine feces in Japan, 2014-2016. <i>Infection, Genetics and Evolution</i> , 2018, 66, 210-216.	1.0	10
96	Rift Valley Fever. , 2011, , 462-465.		9
97	Enhanced Accumulation of Coronavirus Defective Interfering RNA from Expressed Negative-Strand Transcripts by Coexpressed Positive-Strand RNA Transcripts. <i>Virology</i> , 2001, 287, 286-300.	1.1	8
98	A single-cycle replicable Rift Valley fever phlebovirus vaccine carrying a mutated NSs confers full protection from lethal challenge in mice. <i>Scientific Reports</i> , 2018, 8, 17097.	1.6	8
99	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.	1.5	8
100	Generation of a Single-Cycle Replicable Rift Valley Fever Vaccine. <i>Methods in Molecular Biology</i> , 2016, 1403, 187-206.	0.4	7
101	A new comprehensive method for detection of livestock-related pathogenic viruses using a target enrichment system. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1871-1877.	1.0	7
102	Reverse genetics approaches for the development of bunyavirus vaccines. <i>Current Opinion in Virology</i> , 2020, 44, 16-25.	2.6	7
103	Rift Valley fever virus 78kDa envelope protein attenuates virus replication in macrophage-derived cell lines and viral virulence in mice. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009785.	1.3	7
104	Production and characterization of monoclonal antibodies to mouse hepatitis virus, MHV-NuU.. <i>Nihon Juigaku Zasshi</i> , 1985, 47, 423-433.	0.3	5
105	Dembo polymerase chain reaction technique for detection of bovine abortion, diarrhea, and respiratory disease complex infectious agents in potential vectors and reservoirs. <i>Journal of Veterinary Science</i> , 2018, 19, 350.	0.5	5
106	Importance of coronavirus negative-strand genomic RNA synthesis prior to subgenomic RNA transcription. <i>Virus Research</i> , 1998, 57, 35-42.	1.1	4
107	Studies of Coronavirus DI RNA Replication Using In Vitro Constructed DI cDNA Clones. <i>Advances in Experimental Medicine and Biology</i> , 1990, 276, 341-347.	0.8	4
108	Whole genome analysis of a novel picornavirus related to the Enterovirus/Sapelovirus supergroup from porcine feces in Japan. <i>Virus Research</i> , 2018, 257, 68-73.	1.1	3

#	ARTICLE	IF	CITATIONS
109	Specific Cleavage of 28S Ribosomal RNA in Murine Coronavirus-Infected Cells. <i>Advances in Experimental Medicine and Biology</i> , 2001, 494, 621-626.	0.8	3
110	Coronaviruses and Arteriviruses. , 0, , 373-387.		2
111	Defective Interfering Particles of Coronavirus. <i>Advances in Experimental Medicine and Biology</i> , 1987, 218, 187-195.	0.8	2
112	Murine Coronavirus 5' End Genomic RNA Sequence Reveals Mechanism of Leader-Primed Transcription. <i>Advances in Experimental Medicine and Biology</i> , 1987, 218, 73-81.	0.8	2
113	Analysis of Coronavirus Transcription Regulation. <i>Advances in Experimental Medicine and Biology</i> , 1995, 380, 473-478.	0.8	2
114	Neuropathogenicity of Mutant Strains of Mouse Hepatitis Virus, 1a and 2c, from DBT Cells Persistently Infected with JHM Strain. <i>Advances in Experimental Medicine and Biology</i> , 1987, 218, 439-440.	0.8	1
115	Introduction to Virology special issue featuring nidovirus research. <i>Virology</i> , 2018, 517, 1-2.	1.1	0
116	Novel herpesvirus discovered in walrus liver. <i>Virus Genes</i> , 2021, 57, 228-232.	0.7	0
117	African pygmy hedgehog adenovirus: Virus replication, virus-induced cytopathogenesis and activation of mitogen-activated protein kinase signaling pathways in infected MDCK cells. <i>Research in Veterinary Science</i> , 2021, 139, 152-158.	0.9	0
118	Site-Specific Sequence Repair of Coronavirus Defective Interfering RNA by RNA Recombination and Edited RNA. <i>Advances in Experimental Medicine and Biology</i> , 1994, 342, 137-142.	0.8	0
119	Analysis of the CIS-Acting Elements of Coronavirus Transcription. <i>Advances in Experimental Medicine and Biology</i> , 1994, 342, 91-97.	0.8	0
120	Expression of Murine Coronavirus Genes 1 and 7 is Sufficient for Viral RNA Synthesis. <i>Advances in Experimental Medicine and Biology</i> , 1995, 380, 479-484.	0.8	0