

# Michihito Sasaki

## List of Publications by Year in descending order

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81  
papers

2,724  
citations

279701

23  
h-index

243529

44  
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92  
all docs

92  
docs citations

92  
times ranked

3353  
citing authors

#	ARTICLE	IF	CITATIONS
1	Attenuated fusogenicity and pathogenicity of SARS-CoV-2 Omicron variant. <i>Nature</i> , 2022, 603, 700-705.	13.7	447
2	Virological characteristics of the SARS-CoV-2 Omicron BA.2 spike. <i>Cell</i> , 2022, 185, 2103-2115.e19.	13.5	273
3	Discovery of S-217622, a Noncovalent Oral SARS-CoV-2 3CL Protease Inhibitor Clinical Candidate for Treating COVID-19. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 6499-6512.	2.9	258
4	RIG-I triggers a signaling-abortive anti-SARS-CoV-2 defense in human lung cells. <i>Nature Immunology</i> , 2021, 22, 820-828.	7.0	169
5	SARS-CoV-2 variants with mutations at the S1/S2 cleavage site are generated in vitro during propagation in TMPRSS2-deficient cells. <i>PLoS Pathogens</i> , 2021, 17, e1009233.	2.1	162
6	SARS-CoV-2 inhibits induction of the MHC class I pathway by targeting the STAT1-IRF1-NLRC5 axis. <i>Nature Communications</i> , 2021, 12, 6602.	5.8	104
7	The Role of Heparan Sulfate Proteoglycans as an Attachment Factor for Rabies Virus Entry and Infection. <i>Journal of Infectious Diseases</i> , 2018, 217, 1740-1749.	1.9	50
8	TMPRSS11D and TMPRSS13 Activate the SARS-CoV-2 Spike Protein. <i>Viruses</i> , 2021, 13, 384.	1.5	50
9	A nairovirus isolated from African bats causes haemorrhagic gastroenteritis and severe hepatic disease in mice. <i>Nature Communications</i> , 2014, 5, 5651.	5.8	41
10	Autophagy inhibits viral genome replication and gene expression stages in West Nile virus infection. <i>Virus Research</i> , 2014, 191, 83-91.	1.1	40
11	Distinct Lineages of Buvavirus in Wild Shrews and Nonhuman Primates. <i>Emerging Infectious Diseases</i> , 2015, 21, 1230-1233.	2.0	39
12	Orthopoxvirus infection among wildlife in Zambia. <i>Journal of General Virology</i> , 2015, 96, 390-394.	1.3	39
13	Human Borreliosis Caused by a New World Relapsing Fever Borrelia-like Organism in the Old World. <i>Clinical Infectious Diseases</i> , 2019, 69, 107-112.	2.9	36
14	Molecular detection of a novel paramyxovirus in fruit bats from Indonesia. <i>Virology Journal</i> , 2012, 9, 240.	1.4	35
15	Equine major histocompatibility complex class I molecules act as entry receptors that bind to equine herpesvirus-1 glycoprotein D. <i>Genes To Cells</i> , 2011, 16, 343-357.	0.5	34
16	Metagenomic analysis of the shrew enteric virome reveals novel viruses related to human stool-associated viruses. <i>Journal of General Virology</i> , 2015, 96, 440-452.	1.3	34
17	Development of a rapid and quantitative method for the analysis of viral entry and release using a NanoLuc luciferase complementation assay. <i>Virus Research</i> , 2018, 243, 69-74.	1.1	34
18	SARS-CoV-2 Bearing a Mutation at the S1/S2 Cleavage Site Exhibits Attenuated Virulence and Confers Protective Immunity. <i>MBio</i> , 2021, 12, e0141521.	1.8	33

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19	Discovery of a novel antiviral agent targeting the nonstructural protein 4 (nsP4) of chikungunya virus. <i>Virology</i> , 2017, 505, 102-112.	1.1	32
20	Valosin-containing protein (VCP/p97) plays a role in the replication of West Nile virus. <i>Virus Research</i> , 2017, 228, 114-123.	1.1	32
21	Infectious entry of equine herpesvirus-1 into host cells through different endocytic pathways. <i>Virology</i> , 2009, 393, 198-209.	1.1	30
22	Multiple Routes of Antibody-Dependent Enhancement of SARS-CoV-2 Infection. <i>Microbiology Spectrum</i> , 2022, 10, e0155321.	1.2	30
23	Isolation and Characterization of a Novel Alphaherpesvirus in Fruit Bats. <i>Journal of Virology</i> , 2014, 88, 9819-9829.	1.5	29
24	Molecular epidemiology of paramyxoviruses in Zambian wild rodents and shrews. <i>Journal of General Virology</i> , 2014, 95, 325-330.	1.3	29
25	Discovery of Mwinilunga alphavirus: A novel alphavirus in <i>Culex</i> mosquitoes in Zambia. <i>Virus Research</i> , 2018, 250, 31-36.	1.1	25
26	Potential Role of Nonneutralizing IgA Antibodies in Cross-Protective Immunity against Influenza A Viruses of Multiple Hemagglutinin Subtypes. <i>Journal of Virology</i> , 2020, 94, .	1.5	25
27	Divergent bufavirus harboured in megabats represents a new lineage of parvoviruses. <i>Scientific Reports</i> , 2016, 6, 24257.	1.6	22
28	Detection of coronavirus genomes in Moluccan naked-backed fruit bats in Indonesia. <i>Archives of Virology</i> , 2015, 160, 1113-1118.	0.9	21
29	Generation of recombinant rabies viruses encoding NanoLuc luciferase for antiviral activity assays. <i>Virus Research</i> , 2016, 215, 121-128.	1.1	21
30	Ribavirin-related compounds exert in vitro inhibitory effects toward rabies virus. <i>Antiviral Research</i> , 2018, 154, 1-9.	1.9	21
31	Molecular Epidemiology of Paramyxoviruses in Frugivorous &Eidolon helvum& Bats in Zambia. <i>Journal of Veterinary Medical Science</i> , 2014, 76, 611-614.	0.3	20
32	Detection of novel polyomaviruses in fruit bats in Indonesia. <i>Archives of Virology</i> , 2015, 160, 1075-1082.	0.9	18
33	MRC5 cells engineered to express ACE2 serve as a model system for the discovery of antivirals targeting SARS-CoV-2. <i>Scientific Reports</i> , 2021, 11, 5376.	1.6	18
34	Serological evidence of Zika virus infection in non-human primates in Zambia. <i>Archives of Virology</i> , 2019, 164, 2165-2170.	0.9	16
35	Multi-reassortant G3P[3] group A rotavirus in a horseshoe bat in Zambia. <i>Journal of General Virology</i> , 2016, 97, 2488-2493.	1.3	16
36	West Nile Virus in Farmed Crocodiles, Zambia, 2019. <i>Emerging Infectious Diseases</i> , 2020, 26, 811-814.	2.0	15

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37	Paradoxical effects of chondroitin sulfate-E on Japanese encephalitis viral infection. <i>Biochemical and Biophysical Research Communications</i> , 2011, 409, 717-722.	1.0	14
38	Upregulated expression of the antioxidant sestrin 2 identified by transcriptomic analysis of Japanese encephalitis virus-infected SH-SY5Y neuroblastoma cells. <i>Virus Genes</i> , 2019, 55, 630-642.	0.7	14
39	Evidence for exposure of asymptomatic domestic pigs to African swine fever virus during an inter-epidemic period in Zambia. <i>Transboundary and Emerging Diseases</i> , 2020, 67, 2741-2752.	1.3	14
40	Air-liquid interphase culture confers SARS-CoV-2 susceptibility to A549 alveolar epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2021, 577, 146-151.	1.0	14
41	Discovery of African bat polyomaviruses and infrequent recombination in the large T antigen in the Polyomaviridae. <i>Journal of General Virology</i> , 2017, 98, 726-738.	1.3	14
42	Identification of group A rotaviruses from Zambian fruit bats provides evidence for long-distance dispersal events in Africa. <i>Infection, Genetics and Evolution</i> , 2018, 63, 104-109.	1.0	13
43	Human Parainfluenza Virus Type 3 in Wild Nonhuman Primates, Zambia. <i>Emerging Infectious Diseases</i> , 2013, 19, .	2.0	12
44	Host ESCRT factors are recruited during chikungunya virus infection and are required for the intracellular viral replication cycle. <i>Journal of Biological Chemistry</i> , 2020, 295, 7941-7957.	1.6	12
45	Host Serine Proteases TMPRSS2 and TMPRSS11D Mediate Proteolytic Activation and Trypsin-Independent Infection in Group A Rotaviruses. <i>Journal of Virology</i> , 2021, 95, .	1.5	12
46	Genetic diversity of rabies virus in different host species and geographic regions of Zambia and Zimbabwe. <i>Virus Genes</i> , 2019, 55, 713-719.	0.7	11
47	Discoveries of Exoribonuclease-Resistant Structures of Insect-Specific Flaviviruses Isolated in Zambia. <i>Viruses</i> , 2020, 12, 1017.	1.5	11
48	Identification of the same polyomavirus species in different African horseshoe bat species is indicative of short-range host-switching events. <i>Journal of General Virology</i> , 2017, 98, 2771-2785.	1.3	11
49	Single Amino Acid Residue in the A2 Domain of Major Histocompatibility Complex Class I Is Involved in the Efficiency of Equine Herpesvirus-1 Entry. <i>Journal of Biological Chemistry</i> , 2011, 286, 39370-39378.	1.6	10
50	Detection of novel gammaherpesviruses from fruit bats in Indonesia. <i>Journal of Medical Microbiology</i> , 2018, 67, 415-422.	0.7	10
51	The Lethal(2)-Essential-for-Life [L(2)EFL] Gene Family Modulates Dengue Virus Infection in <i>Aedes aegypti</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 7520.	1.8	9
52	Characterization of mammalian orthoreoviruses isolated from faeces of pigs in Zambia. <i>Journal of General Virology</i> , 2020, 101, 1027-1036.	1.3	9
53	Isolation of a simian immunodeficiency virus from a malbrouck ( <i>Chlorocebus cynosuros</i> ). <i>Archives of Virology</i> , 2017, 162, 543-548.	0.9	8
54	Discovery and genetic characterization of diverse smacoviruses in Zambian non-human primates. <i>Scientific Reports</i> , 2019, 9, 5045.	1.6	8

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55	Dual Effect of Organogermanium Compound THGP on RIG-I-Mediated Viral Sensing and Viral Replication during Influenza a Virus Infection. <i>Viruses</i> , 2021, 13, 1674.	1.5	8
56	Attenuated infection by a Pteropine orthoreovirus isolated from an Egyptian fruit bat in Zambia. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009768.	1.3	7
57	An unusually long Rift valley fever inter-epizootic period in Zambia: Evidence for enzootic virus circulation and risk for disease outbreak. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010420.	1.3	7
58	Susceptibility of <i>Pseudomonas aeruginosa</i> veterinary isolates to Pbnavirus PB1-like phages. <i>Microbiology and Immunology</i> , 2020, 64, 778-782.	0.7	6
59	Domestic dog demographics and estimates of canine vaccination coverage in a rural area of Zambia for the elimination of rabies. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009222.	1.3	6
60	Safety enhancement of a genetically modified live rabies vaccine strain by introducing an attenuating Leu residue at position 333 in the glycoprotein. <i>Vaccine</i> , 2021, 39, 3777-3784.	1.7	6
61	5-Hydroxymethyltubercidin exhibits potent antiviral activity against flaviviruses and coronaviruses, including SARS-CoV-2. <i>IScience</i> , 2021, 24, 103120.	1.9	6
62	Abnormal Blood Coagulation and Kidney Damage in Aged Hamsters Infected with Severe Acute Respiratory Syndrome Coronavirus 2. <i>Viruses</i> , 2021, 13, 2137.	1.5	6
63	A high-affinity aptamer with base-appended base-modified DNA bound to isolated authentic SARS-CoV-2 strains wild-type and B.1.617.2 (delta variant). <i>Biochemical and Biophysical Research Communications</i> , 2022, 614, 207-212.	1.0	6
64	Characterization of a Novel Alpha herpesvirus Isolated from the Fruit Bat <i>Pteropus lylei</i> in Vietnam. <i>Journal of Virology</i> , 2020, 94, .	1.5	5
65	Comparative Analyses of the Antiviral Activities of IgG and IgA Antibodies to Influenza A Virus M2 Protein. <i>Viruses</i> , 2020, 12, 780.	1.5	5
66	Genetic and Phenotypic Characterization of a Rabies Virus Strain Isolated from a Dog in Tokyo, Japan in the 1940s. <i>Viruses</i> , 2020, 12, 914.	1.5	5
67	<i>Mastomys natalensis</i> is a possible natural rodent reservoir for encephalomyocarditis virus. <i>Journal of General Virology</i> , 2021, 102, .	1.3	5
68	Diverse mosquito-specific flaviviruses in the Bolivian Amazon basin. <i>Journal of General Virology</i> , 2021, 102, .	1.3	5
69	Characterization of Japanese encephalitis virus infection in an immortalized mesencephalic cell line, CSM14.1. <i>Microbiology and Immunology</i> , 2013, 57, 723-731.	0.7	4
70	Single Amino Acid Mutation in Dengue Virus NS4B Protein Has Opposing Effects on Viral Proliferation in Mammalian and Mosquito Cells. <i>Japanese Journal of Infectious Diseases</i> , 2018, 71, 448-454.	0.5	4
71	Detection of novel orthoreovirus genomes in shrew ( <i>Crocidura hirta</i> ) and fruit bat ( <i>Rousettus aegyptiacus</i> ). <i>Journal of Veterinary Medical Science</i> , 2020, 82, 162-167.	0.3	4
72	An African tick flavivirus forming an independent clade exhibits unique exoribonuclease-resistant RNA structures in the genomic 3'-untranslated region. <i>Scientific Reports</i> , 2021, 11, 4883.	1.6	4

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73	Novel Virulent Bacteriophage Î SG005, Which Infects Streptococcus gordonii, Forms a Distinct Clade among Streptococcus Viruses. <i>Viruses</i> , 2021, 13, 1964.	1.5	4
74	Co-Circulation of Multiple Serotypes of Bluetongue Virus in Zambia. <i>Viruses</i> , 2020, 12, 963.	1.5	3
75	Role of the C-Terminal Region of Vervet Monkey Polyomavirus 1 VP1 in Virion Formation. <i>Journal of Veterinary Medical Science</i> , 2014, 76, 637-644.	0.3	2
76	An optimistic protein assembly from sequence reads salvaged an uncharacterized segment of mouse picobirnavirus. <i>Scientific Reports</i> , 2017, 7, 40447.	1.6	2
77	Immunization Coverage and Antibody Retention against Rabies in Domestic Dogs in Lusaka District, Zambia. <i>Pathogens</i> , 2021, 10, 738.	1.2	2
78	Whole-Genome Sequence of Fluoroquinolone-Resistant Escherichia coli HUE1, Isolated in Hokkaido, Japan. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	2
79	Glu333 in rabies virus glycoprotein is involved in virus attenuation through astrocyte infection and interferon responses. <i>IScience</i> , 2022, 25, 104122.	1.9	2
80	Serological characterization of lineage II insect-specific flaviviruses compared with pathogenic mosquito-borne flaviviruses. <i>Biochemical and Biophysical Research Communications</i> , 2022, 616, 115-121.	1.0	1
81	Complete Genome Sequence of a Veterinary Pseudomonas aeruginosa Isolate, Pa12. <i>Microbiology Resource Announcements</i> , 2021, 10, e0039821.	0.3	0