

Akatsuki Saito

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

5,346
citations

279487

23
h-index

118652

62
g-index

80
all docs

80
docs citations

80
times ranked

6314
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 B.1.617.2 Delta variant replication and immune evasion. <i>Nature</i> , 2021, 599, 114-119.	13.7	1,041
2	Altered TMPRSS2 usage by SARS-CoV-2 Omicron impacts infectivity and fusogenicity. <i>Nature</i> , 2022, 603, 706-714.	13.7	756
3	Attenuated fusogenicity and pathogenicity of SARS-CoV-2 Omicron variant. <i>Nature</i> , 2022, 603, 700-705.	13.7	447
4	Enhanced fusogenicity and pathogenicity of SARS-CoV-2 Delta P681R mutation. <i>Nature</i> , 2022, 602, 300-306.	13.7	428
5	SARS-CoV-2 spike L452R variant evades cellular immunity and increases infectivity. <i>Cell Host and Microbe</i> , 2021, 29, 1124-1136.e11.	5.1	421
6	Virological characteristics of the SARS-CoV-2 Omicron BA.2 spike. <i>Cell</i> , 2022, 185, 2103-2115.e19.	13.5	273
7	Rapid inactivation of SARS-CoV-2 with deep-UV LED irradiation. <i>Emerging Microbes and Infections</i> , 2020, 9, 1744-1747.	3.0	227
8	The SARS-CoV-2 Lambda variant exhibits enhanced infectivity and immune resistance. <i>Cell Reports</i> , 2022, 38, 110218.	2.9	148
9	SARS-CoV-2 B.1.617 Mutations L452R and E484Q Are Not Synergistic for Antibody Evasion. <i>Journal of Infectious Diseases</i> , 2021, 224, 989-994.	1.9	136
10	Roles of Capsid-Interacting Host Factors in Multimodal Inhibition of HIV-1 by PF74. <i>Journal of Virology</i> , 2016, 90, 5808-5823.	1.5	72
11	Common marmoset (<i>Callithrix jacchus</i>) as a primate model of dengue virus infection: development of high levels of viraemia and demonstration of protective immunity. <i>Journal of General Virology</i> , 2011, 92, 2272-2280.	1.3	67
12	Human T-cell leukemia virus type 1 infects multiple lineage hematopoietic cells in vivo. <i>PLoS Pathogens</i> , 2017, 13, e1006722.	2.1	56
13	Capsid-CPSF6 Interaction Is Dispensable for HIV-1 Replication in Primary Cells but Is Selected during Virus Passage <i>In Vivo</i> . <i>Journal of Virology</i> , 2016, 90, 6918-6935.	1.5	50
14	Discovery of a small molecule inhibitor targeting dengue virus NS5 RNA-dependent RNA polymerase. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007894.	1.3	49
15	Improved capacity of a monkey-tropic HIV-1 derivative to replicate in cynomolgus monkeys with minimal modifications. <i>Microbes and Infection</i> , 2011, 13, 58-64.	1.0	40
16	Generation of Rhesus Macaque-Tropic HIV-1 Clones That Are Resistant to Major Anti-HIV-1 Restriction Factors. <i>Journal of Virology</i> , 2013, 87, 11447-11461.	1.5	40
17	Cell response analysis in SARS-CoV-2 infected bronchial organoids. <i>Communications Biology</i> , 2022, 5, .	2.0	39
18	Modification of a loop sequence between $\hat{1}\pm$ -helices 6 and 7 of virus capsid (CA) protein in a human immunodeficiency virus type 1 (HIV-1) derivative that has simian immunodeficiency virus (SIVmac239) vifand CA $\hat{1}\pm$ -helices 4 and 5 loop improves replication in cynomolgus monkey cells. <i>Retrovirology</i> , 2009, 6, 70.	0.9	36

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19	Characterization of simian T-cell leukemia virus type 1 in naturally infected Japanese macaques as a model of HTLV-1 infection. <i>Retrovirology</i> , 2013, 10, 118.	0.9	36
20	A Novel Phenotype Links HIV-1 Capsid Stability to cGAS-Mediated DNA Sensing. <i>Journal of Virology</i> , 2019, 93, .	1.5	30
21	Gag-CA Q110D mutation elicits TRIM5-independent enhancement of HIV-1mt replication in macaque cells. <i>Microbes and Infection</i> , 2013, 15, 56-65.	1.0	27
22	Genotype replacement of dengue virus type 3 and clade replacement of dengue virus type 2 genotype Cosmopolitan in Dhaka, Bangladesh in 2017. <i>Infection, Genetics and Evolution</i> , 2019, 75, 103977.	1.0	27
23	Systemic biological analysis of the mutations in two distinct HIV-1mt genomes occurred during replication in macaque cells. <i>Microbes and Infection</i> , 2013, 15, 319-328.	1.0	24
24	Epidemiological study of zoonoses derived from humans in captive chimpanzees. <i>Primates</i> , 2013, 54, 89-98.	0.7	23
25	Characterization of the Immune Resistance of Severe Acute Respiratory Syndrome Coronavirus 2 Mu Variant and the Robust Immunity Induced by Mu Infection. <i>Journal of Infectious Diseases</i> , 2022, 226, 1200-1203.	1.9	22
26	Geographical, genetic and functional diversity of antiretroviral host factor TRIMCyp in cynomolgus macaque (<i>Macaca fascicularis</i>). <i>Journal of General Virology</i> , 2012, 93, 594-602.	1.3	21
27	Long-Term Persistent GBV-B Infection and Development of a Chronic and Progressive Hepatitis C-Like Disease in Marmosets. <i>Frontiers in Microbiology</i> , 2011, 2, 240.	1.5	20
28	Changes in hematological and serum biochemical parameters in common marmosets (<i>Callithrix</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	19
29	Natto extract, a Japanese fermented soybean food, directly inhibits viral infections including SARS-CoV-2 in vitro. <i>Biochemical and Biophysical Research Communications</i> , 2021, 570, 21-25.	1.0	19
30	Multiple Pathways To Avoid Beta Interferon Sensitivity of HIV-1 by Mutations in Capsid. <i>Journal of Virology</i> , 2019, 93, .	1.5	17
31	Rapid Inactivation of SARS-CoV-2 Variants by Continuous and Intermittent Irradiation with a Deep-Ultraviolet Light-Emitting Diode (DUV-LED) Device. <i>Pathogens</i> , 2021, 10, 754.	1.2	17
32	HIV-1 capsid variability: viral exploitation and evasion of capsid-binding molecules. <i>Retrovirology</i> , 2021, 18, 32.	0.9	17
33	Dynamics of cellular immune responses in the acute phase of dengue virus infection. <i>Archives of Virology</i> , 2013, 158, 1209-1220.	0.9	16
34	Identification of domestic cat hepadnavirus from a cat blood sample in Japan. <i>Journal of Veterinary Medical Science</i> , 2022, 84, 648-652.	0.3	16
35	TRIM5 genotypes in cynomolgus monkeys primarily influence inter-individual diversity in susceptibility to monkey-tropic human immunodeficiency virus type 1. <i>Journal of General Virology</i> , 2013, 94, 1318-1324.	1.3	15
36	Evaluation of novel rapid detection kits for dengue virus NS1 antigen in Dhaka, Bangladesh, in 2017. <i>Virology Journal</i> , 2019, 16, 102.	1.4	15

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37	Establishment of a stable SARS-CoV-2 replicon system for application in high-throughput screening. <i>Antiviral Research</i> , 2022, 199, 105268.	1.9	15
38	Emergence of infectious malignant thrombocytopenia in Japanese macaques (<i>Macaca fuscata</i>) by SRV-4 after transmission to a novel host. <i>Scientific Reports</i> , 2015, 5, 8850.	1.6	14
39	Seroprevalence of Severe Fever with Thrombocytopenia Syndrome Virus in Small-Animal Veterinarians and Nurses in the Japanese Prefecture with the Highest Case Load. <i>Viruses</i> , 2021, 13, 229.	1.5	14
40	Analysis of antibody response by temperature-sensitive measles vaccine strain in the cotton rat model. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2009, 32, 395-406.	0.7	12
41	Macaque-tropic human immunodeficiency virus type 1: breaking out of the host restriction factors. <i>Frontiers in Microbiology</i> , 2013, 4, 187.	1.5	12
42	Virucidal activity and mechanism of action of cetylpyridinium chloride against SARS-CoV-2. <i>Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology</i> , 2022, 34, 800-804.	0.2	12
43	Sequence diversity of dengue virus type 2 in brain and thymus of infected interferon receptor ko mice: implications for dengue virulence. <i>Virology Journal</i> , 2016, 13, 199.	1.4	11
44	Bovine respiratory coronavirus enhances bacterial adherence by upregulating expression of cellular receptors on bovine respiratory epithelial cells. <i>Veterinary Microbiology</i> , 2021, 255, 109017.	0.8	11
45	How Do Flaviviruses Hijack Host Cell Functions by Phase Separation?. <i>Viruses</i> , 2021, 13, 1479.	1.5	11
46	Adaptation of wild-type measles virus to cotton rat lung cells: E89K mutation in matrix protein contributes to its fitness. <i>Virus Genes</i> , 2009, 39, 330-334.	0.7	9
47	Characterization of Natural Killer Cells in Tamarins: A Technical Basis for Studies of Innate Immunity. <i>Frontiers in Microbiology</i> , 2010, 1, 128.	1.5	9
48	CD16+ natural killer cells play a limited role against primary dengue virus infection in tamarins. <i>Archives of Virology</i> , 2012, 157, 363-368.	0.9	9
49	Naturally Occurring Mutations in HIV-1 CRF01_AE Capsid Affect Viral Sensitivity to Restriction Factors. <i>AIDS Research and Human Retroviruses</i> , 2018, 34, 382-392.	0.5	9
50	Rapid Inactivation of SARS-CoV-2 with Ozonated Water. <i>Ozone: Science and Engineering</i> , 2021, 43, 208-212.	1.4	9
51	Novel mutant human immunodeficiency virus type 1 strains with high degree of resistance to cynomolgus macaque TRIMCyp generated by random mutagenesis. <i>Journal of General Virology</i> , 2016, 97, 963-976.	1.3	9
52	Highly polymerized proanthocyanidins (PAC) components from blueberry leaf and stem significantly inhibit SARS-CoV-2 infection via inhibition of ACE2 and viral 3CLpro enzymes. <i>Biochemical and Biophysical Research Communications</i> , 2022, 615, 56-62.	1.0	9
53	Allele frequency of antiretroviral host factor TRIMCyp in wild-caught cynomolgus macaques (<i>Macaca</i>) Tj ETQq1 1 0.784314 rgBT /Ovedo	1.5	8
54	Presence of Viral Genome in Urine and Development of Hematuria and Pathological Changes in Kidneys in Common Marmoset (<i>Callithrix jacchus</i>) after Inoculation with Dengue Virus. <i>Pathogens</i> , 2013, 2, 357-363.	1.2	7

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55	Seroprevalence of Japanese encephalitis virus infection in captive Japanese macaques (<i>Macaca fuscata</i>). <i>Primates</i> , 2014, 55, 441-445.	0.7	7
56	CA Mutation N57A Has Distinct Strain-Specific HIV-1 Capsid Uncoating and Infectivity Phenotypes. <i>Journal of Virology</i> , 2019, 93, .	1.5	7
57	Bovine Respiratory Syncytial Virus Enhances the Adherence of <i>Pasteurella multocida</i> to Bovine Lower Respiratory Tract Epithelial Cells by Upregulating the Platelet-Activating Factor Receptor. <i>Frontiers in Microbiology</i> , 2020, 11, 1676.	1.5	5
58	Epidemiological Surveillance of Lymphocryptovirus Infection in Wild Bonobos. <i>Frontiers in Microbiology</i> , 2016, 7, 1262.	1.5	4
59	HIV-1 is more dependent on the K182 capsid residue than HIV-2 for interactions with CPSF6. <i>Virology</i> , 2019, 532, 118-126.	1.1	4
60	Prevalence of antibodies against human respiratory viruses potentially involving anthrozooses in wild bonobos. <i>Primates</i> , 2021, 62, 897-903.	0.7	4
61	Hematopoietic Stem Cell Infected with HTLV-1 Functions As a Viral Reservoir In Vivo. <i>Blood</i> , 2016, 128, 1343-1343.	0.6	4
62	Bovine Respiratory Syncytial Virus Decreased <i>Pasteurella multocida</i> Adherence by Downregulating the Expression of Intercellular Adhesion Molecule-1 on the Surface of Upper Respiratory Epithelial Cells. <i>Veterinary Microbiology</i> , 2020, 246, 108748.	0.8	3
63	Rapid inactivation of <i>Dabie bandavirus</i> (SFTSV) by irradiation with deep-ultraviolet light-emitting diode. <i>Journal of Medical Virology</i> , 2022, , .	2.5	3
64	Efficient in vivo depletion of CD8+ T lymphocytes in common marmosets by novel CD8 monoclonal antibody administration. <i>Immunology Letters</i> , 2013, 154, 12-17.	1.1	2
65	The 4th and 112th Residues of Viral Capsid Cooperatively Modulate Capsid-CPSF6 Interactions of HIV-1. <i>AIDS Research and Human Retroviruses</i> , 2020, 36, 513-521.	0.5	2
66	A Potent Anti-Simian Immunodeficiency Virus Neutralizing Antibody Induction Associated with a Germ Line Immunoglobulin Gene Polymorphism in Rhesus Macaques. <i>Journal of Virology</i> , 2021, 95, .	1.5	2
67	The E89K Mutation in the Matrix Protein of the Measles Virus Affects In Vitro Cell Death and Virus Replication Efficiency in Human PBMC. <i>The Open Virology Journal</i> , 2012, 6, 68-72.	1.8	2