Akatsuki Saito

List of Publications by Year
in descending order

67	5,346	279487 23	118652 62
papers	citations	h-index	g-index

80	80	80	6314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced fusogenicity and pathogenicity of SARS-CoV-2 Delta P681R mutation. Nature, 2022, 602, 300-306.	13.7	428
2	The SARS-CoV-2 Lambda variant exhibits enhanced infectivity and immune resistance. Cell Reports, 2022, 38, 110218.	2.9	148
3	Attenuated fusogenicity and pathogenicity of SARS-CoV-2 Omicron variant. Nature, 2022, 603, 700-705.	13.7	447
4	Altered TMPRSS2 usage by SARS-CoV-2 Omicron impacts infectivity and fusogenicity. Nature, 2022, 603, 706-714.	13.7	756
5	Identification of domestic cat hepadnavirus from a cat blood sample in Japan. Journal of Veterinary Medical Science, 2022, 84, 648-652.	0.3	16
6	Characterization of the Immune Resistance of Severe Acute Respiratory Syndrome Coronavirus 2 Mu Variant and the Robust Immunity Induced by Mu Infection. Journal of Infectious Diseases, 2022, 226, 1200-1203.	1.9	22
7	Establishment of a stable SARS-CoV-2 replicon system for application in high-throughput screening. Antiviral Research, 2022, 199, 105268.	1.9	15
8	Rapid inactivation of Dabie bandavirus (SFTSV) by irradiation with deepâ€ultraviolet lightâ€emitting diode. Journal of Medical Virology, 2022, , .	2.5	3
9	Virucidal activity and mechanism of action of cetylpyridinium chloride against SARS-CoV-2. Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology, 2022, 34, 800-804.	0.2	12
10	Highly polymerized proanthocyanidins (PAC) components from blueberry leaf and stem significantly inhibit SARS-CoV-2 infection via inhibition of ACE2 and viral 3CLpro enzymes. Biochemical and Biophysical Research Communications, 2022, 615, 56-62.	1.0	9
11	Virological characteristics of the SARS-CoV-2 Omicron BA.2 spike. Cell, 2022, 185, 2103-2115.e19.	13.5	273
12	Cell response analysis in SARS-CoV-2 infected bronchial organoids. Communications Biology, 2022, 5, .	2.0	39
13	Seroprevalence of Severe Fever with Thrombocytopenia Syndrome Virus in Small-Animal Veterinarians and Nurses in the Japanese Prefecture with the Highest Case Load. Viruses, 2021, 13, 229.	1.5	14
14	A Potent Anti-Simian Immunodeficiency Virus Neutralizing Antibody Induction Associated with a Germ Line Immunoglobulin Gene Polymorphism in Rhesus Macaques. Journal of Virology, 2021, 95, .	1.5	2
15	Bovine respiratory coronavirus enhances bacterial adherence by upregulating expression of cellular receptors on bovine respiratory epithelial cells. Veterinary Microbiology, 2021, 255, 109017.	0.8	11
16	Rapid Inactivation of SARS-CoV-2 with Ozonated Water. Ozone: Science and Engineering, 2021, 43, 208-212.	1.4	9
17	Rapid Inactivation of SARS-CoV-2 Variants by Continuous and Intermittent Irradiation with a Deep-Ultraviolet Light-Emitting Diode (DUV-LED) Device. Pathogens, 2021, 10, 754.	1.2	17
18	How Do Flaviviruses Hijack Host Cell Functions by Phase Separation?. Viruses, 2021, 13, 1479.	1.5	11

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19	SARS-CoV-2 spike L452R variant evades cellular immunity and increases infectivity. Cell Host and Microbe, 2021, 29, 1124-1136.e11.	5.1	421
20	Prevalence of antibodies against human respiratory viruses potentially involving anthropozoonoses in wild bonobos. Primates, 2021, 62, 897-903.	0.7	4
21	SARS-CoV-2 B.1.617 Mutations L452R and E484Q Are Not Synergistic for Antibody Evasion. Journal of Infectious Diseases, 2021, 224, 989-994.	1.9	136
22	Natto extract, a Japanese fermented soybean food, directly inhibits viral infections including SARS-CoV-2 inÂvitro. Biochemical and Biophysical Research Communications, 2021, 570, 21-25.	1.0	19
23	SARS-CoV-2 B.1.617.2 Delta variant replication and immune evasion. Nature, 2021, 599, 114-119.	13.7	1,041
24	HIV-1 capsid variability: viral exploitation and evasion of capsid-binding molecules. Retrovirology, 2021, 18, 32.	0.9	17
25	Rapid inactivation of SARS-CoV-2 with deep-UV LED irradiation. Emerging Microbes and Infections, 2020, 9, 1744-1747.	3.0	227
26	Bovine Respiratory Syncytial Virus Enhances the Adherence of Pasteurella multocida to Bovine Lower Respiratory Tract Epithelial Cells by Upregulating the Platelet-Activating Factor Receptor. Frontiers in Microbiology, 2020, 11, 1676.	1.5	5
27	Bovine Respiratory Syncytial Virus Decreased Pasteurella multocida Adherence by Downregulating the Expression of Intercellular Adhesion Molecule-1 on the Surface of Upper Respiratory Epithelial Cells. Veterinary Microbiology, 2020, 246, 108748.	0.8	3
28	The 4th and 112th Residues of Viral Capsid Cooperatively Modulate Capsid-CPSF6 Interactions of HIV-1. AIDS Research and Human Retroviruses, 2020, 36, 513-521.	0.5	2
29	Evaluation of novel rapid detection kits for dengue virus NS1 antigen in Dhaka, Bangladesh, in 2017. Virology Journal, 2019, 16, 102.	1.4	15
30	Genotype replacement of dengue virus type 3 and clade replacement of dengue virus type 2 genotype Cosmopolitan in Dhaka, Bangladesh in 2017. Infection, Genetics and Evolution, 2019, 75, 103977.	1.0	27
31	Multiple Pathways To Avoid Beta Interferon Sensitivity of HIV-1 by Mutations in Capsid. Journal of Virology, 2019, 93, .	1.5	17
32	A Novel Phenotype Links HIV-1 Capsid Stability to cGAS-Mediated DNA Sensing. Journal of Virology, 2019, 93, .	1.5	30
33	HIV-1 is more dependent on the K182 capsid residue than HIV-2 for interactions with CPSF6. Virology, 2019, 532, 118-126.	1.1	4
34	CA Mutation N57A Has Distinct Strain-Specific HIV-1 Capsid Uncoating and Infectivity Phenotypes. Journal of Virology, 2019, 93, .	1.5	7
35	Discovery of a small molecule inhibitor targeting dengue virus NS5 RNA-dependent RNA polymerase. PLoS Neglected Tropical Diseases, 2019, 13, e0007894.	1.3	49
36	Naturally Occurring Mutations in HIV-1 CRF01_AE Capsid Affect Viral Sensitivity to Restriction Factors. AIDS Research and Human Retroviruses, 2018, 34, 382-392.	0.5	9

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37	Human T-cell leukemia virus type 1 infects multiple lineage hematopoietic cells in vivo. PLoS Pathogens, 2017, 13, e1006722.	2.1	56
38	Epidemiological Surveillance of Lymphocryptovirus Infection in Wild Bonobos. Frontiers in Microbiology, 2016, 7, 1262.	1.5	4
39	Roles of Capsid-Interacting Host Factors in Multimodal Inhibition of HIV-1 by PF74. Journal of Virology, 2016, 90, 5808-5823.	1.5	72
40	Sequence diversity of dengue virus type 2 in brain and thymus of infected interferon receptor ko mice: implications for dengue virulence. Virology Journal, 2016, 13, 199.	1.4	11
41	Capsid-CPSF6 Interaction Is Dispensable for HIV-1 Replication in Primary Cells but Is Selected during Virus Passage In Vivo. Journal of Virology, 2016, 90, 6918-6935.	1.5	50
42	Novel mutant human immunodeficiency virus type 1 strains with high degree of resistance to cynomolgus macaque TRIMCyp generated by random mutagenesis. Journal of General Virology, 2016, 97, 963-976.	1.3	9
43	Hematopoietic Stem Cell Infected with HTLV-1 Functions As a Viral Reservoir In Vivo. Blood, 2016, 128, 1343-1343.	0.6	4
44	Emergence of infectious malignant thrombocytopenia in Japanese macaques (Macaca fuscata) by SRV-4 after transmission to a novel host. Scientific Reports, 2015, 5, 8850.	1.6	14
45	Seroprevalence of Japanese encephalitis virus infection in captive Japanese macaques (Macaca fuscata). Primates, 2014, 55, 441-445.	0.7	7
46	Dynamics of cellular immune responses in the acute phase of dengue virus infection. Archives of Virology, 2013, 158, 1209-1220.	0.9	16
47	Systemic biological analysis of the mutations in two distinct HIV-1mt genomes occurred during replication in macaque cells. Microbes and Infection, 2013, 15, 319-328.	1.0	24
48	Efficient in vivo depletion of CD8+ T lymphocytes in common marmosets by novel CD8 monoclonal antibody administration. Immunology Letters, 2013, 154, 12-17.	1.1	2
49	Gag-CA Q110D mutation elicits TRIM5-independent enhancement ofÂHIV-1mt replication in macaque cells. Microbes and Infection, 2013, 15, 56-65.	1.0	27
50	TRIM5 genotypes in cynomolgus monkeys primarily influence inter-individual diversity in susceptibility to monkey-tropic human immunodeficiency virus type 1. Journal of General Virology, 2013, 94, 1318-1324.	1.3	15
51	Characterization of simian T-cell leukemia virus type 1 in naturally infected Japanese macaques as a model of HTLV-1 infection. Retrovirology, 2013, 10, 118.	0.9	36
52	Epidemiological study of zoonoses derived from humans in captive chimpanzees. Primates, 2013, 54, 89-98.	0.7	23
53	Generation of Rhesus Macaque-Tropic HIV-1 Clones That Are Resistant to Major Anti-HIV-1 Restriction Factors. Journal of Virology, 2013, 87, 11447-11461.	1.5	40
54	Macaque-tropic human immunodeficiency virus type 1: breaking out of the host restriction factors. Frontiers in Microbiology, 2013, 4, 187.	1.5	12

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55	Presence of Viral Genome in Urine and Development of Hematuria and Pathological Changes in Kidneys in Common Marmoset (Callithrix jacchus) after Inoculation with Dengue Virus. Pathogens, 2013, 2, 357-363.	1.2	7
56	Changes in hematological and serum biochemical parameters in common marmosets (<i>Callithrix) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	19
57	Allele frequency of antiretroviral host factor TRIMCyp in wild-caught cynomolgus macaques (Macaca) Tj ETQq1 1 0.784314 rgBT /Ove	1.5	8
58	CD16+ natural killer cells play a limited role against primary dengue virus infection in tamarins. Archives of Virology, 2012, 157, 363-368.	0.9	9
59	Geographical, genetic and functional diversity of antiretroviral host factor TRIMCyp in cynomolgus macaque (Macaca fascicularis). Journal of General Virology, 2012, 93, 594-602.	1.3	21
60	The E89K Mutation in the Matrix Protein of the Measles Virus Affects In Vitro Cell Death and Virus Replication Efficiency in Human PBMC. The Open Virology Journal, 2012, 6, 68-72.	1.8	2
61	Long-Term Persistent GBV-B Infection and Development of a Chronic and Progressive Hepatitis C-Like Disease in Marmosets. Frontiers in Microbiology, 2011, 2, 240.	1.5	20
62	Improved capacity of a monkey-tropic HIV-1 derivative to replicate in cynomolgus monkeys with minimal modifications. Microbes and Infection, 2011, 13, 58-64.	1.0	40
63	Common marmoset (Callithrix jacchus) as a primate model of dengue virus infection: development of high levels of viraemia and demonstration of protective immunity. Journal of General Virology, 2011, 92, 2272-2280.	1.3	67
64	Characterization of Natural Killer Cells in Tamarins: A Technical Basis for Studies of Innate Immunity. Frontiers in Microbiology, 2010, 1, 128.	1.5	9
65	Analysis of antibody response by temperature-sensitive measles vaccine strain in the cotton rat model. Comparative Immunology, Microbiology and Infectious Diseases, 2009, 32, 395-406.	0.7	12
66	Adaptation of wild-type measles virus to cotton rat lung cells: E89K mutation in matrix protein contributes to its fitness. Virus Genes, 2009, 39, 330-334.	0.7	9
67	Modification of a loop sequence between Î±-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 Î±-helices 4 and 5 loop improves replication in cynomolgus monkey cells. Retrovirology, 2009, 6, 70.	0.9	36