Takeshi Kobayashi

List of Publications by Year
in descending order

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34	1,199	471509	395702
papers	citations	17	33
		h-index	g-index

35	35	35	743
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Plasmid-Based Reverse Genetics System for Animal Double-Stranded RNA Viruses. Cell Host and Microbe, 2007, 1, 147-157.	11.0	240
2	Entirely plasmid-based reverse genetics system for rotaviruses. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2349-2354.	7.1	172
3	An improved reverse genetics system for mammalian orthoreoviruses. Virology, 2010, 398, 194-200.	2.4	149
4	Gene-Specific Inhibition of Reovirus Replication by RNA Interference. Journal of Virology, 2006, 80, 9053-9063.	3.4	57
5	Identification of Functional Domains in Reovirus Replication Proteins Î¼NS and Î¼2. Journal of Virology, 2009, 83, 2892-2906.	3.4	53
6	Imported Case of Acute Respiratory Tract Infection Associated with a Member of Species Nelson Bay Orthoreovirus. PLoS ONE, 2014, 9, e92777.	2.5	44
7	SARS-CoV-2 infection triggers paracrine senescence and leads to a sustained senescence-associated inflammatory response. Nature Aging, 2022, 2, 115-124.	11.6	43
8	Reverse Genetics System Demonstrates that Rotavirus Nonstructural Protein NSP6 Is Not Essential for Viral Replication in Cell Culture. Journal of Virology, 2017, 91, .	3.4	41
9	African Swine Fever Virus NP868R Capping Enzyme Promotes Reovirus Rescue during Reverse Genetics by Promoting Reovirus Protein Expression, Virion Assembly, and RNA Incorporation into Infectious Virions. Journal of Virology, 2017, 91, .	3.4	39
10	Molecular Ratio between Borna Disease Viralâ€p40 and â€p24 Proteins in Infected Cells Determined by Quantitative Antigen Capture ELISA. Microbiology and Immunology, 2000, 44, 765-772.	1.4	37
11	Cellâ€“cell fusion induced by reovirus FAST proteins enhances replication and pathogenicity of non-enveloped dsRNA viruses. PLoS Pathogens, 2019, 15, e1007675.	4.7	37
12	Development of Stable Rotavirus Reporter Expression Systems. Journal of Virology, 2019, 93, .	3.4	36
13	Reverse Genetics System for a Human Group A Rotavirus. Journal of Virology, 2020, 94, .	3.4	33
14	Modulation of Borna Disease Virus Phosphoprotein Nuclear Localization by the Viral Protein X Encoded in the Overlapping Open Reading Frame. Journal of Virology, 2003, 77, 8099-8107.	3.4	26
15	Reverse Genetics for Fusogenic Bat-Borne Orthoreovirus Associated with Acute Respiratory Tract Infections in Humans: Role of Outer Capsid Protein ÏƒC in Viral Replication and Pathogenesis. PLoS Pathogens, 2016, 12, e1005455.	4.7	26
16	In Vivo Live Imaging of Oncolytic Mammalian Orthoreovirus Expressing NanoLuc Luciferase in Tumor Xenograft Mice. Journal of Virology, 2019, 93, .	3.4	20
17	Reverse Genetics Approach for Developing Rotavirus Vaccine Candidates Carrying VP4 and VP7 Genes Cloned from Clinical Isolates of Human Rotavirus. Journal of Virology, 2020, 95, .	3.4	20
18	A plasmid-based reverse genetics system for mammalian orthoreoviruses driven by a plasmid-encoded T7 RNA polymerase. Journal of Virological Methods, 2014, 196, 36-39.	2.1	17

#	Article	IF	Citations
19	Lethal murine infection model for human respiratory disease-associated Pteropine orthoreovirus. Virology, 2018, 514, 57-65.	2.4	14
20	Rotavirus reverse genetics systems: Development and application. Virus Research, 2021, 295, 198296.	2.2	11
21	Generation of Genetically RGD Ïƒ1-Modified Oncolytic Reovirus That Enhances JAM-A-Independent Infection of Tumor Cells. Journal of Virology, 2020, 94, .	3.4	10
22	An increasing trend of human sapovirus infection in Japan, 2009 to 2019: An emerging public health concern. Journal of Infection and Public Health, 2022, 15, 315-320.	4.1	10
23	FAST Proteins: Development and Use of Reverse Genetics Systems for Reoviridae Viruses. Annual Review of Virology, 2021, 8, 515-536.	6.7	8
24	Changing Predominance of Norovirus Recombinant Strains GII.2[P16] to GII.4[P16] and GII.4[P31] in Thailand, 2017 to 2018. Microbiology Spectrum, 2022, 10, e0044822.	3.0	8
25	Generation of recombinant rotaviruses encoding a split NanoLuc peptide tag. Biochemical and Biophysical Research Communications, 2021, 534, 740-746.	2.1	7
26	Epidemiology and genetic diversity of group A rotavirus in pediatric patients with acute gastroenteritis in Thailand, 2018â€“2019. Infection, Genetics and Evolution, 2021, 95, 104898.	2.3	7
27	DsRNA Sequencing for RNA Virus Surveillance Using Human Clinical Samples. Viruses, 2021, 13, 1310.	3.3	6
28	Development of an entirely plasmid-based reverse genetics system for 12-segmented double-stranded RNA viruses. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6
29	Whole genome sequencing and evolutionary analysis of G8P [8] rotaviruses emerging in Japan. VirusDisease, 2022, 33, 215-218.	2.0	6
30	Antibodies to Borna Disease Virus in Infected Adult Rats: An Early Appearance of Anti-p10 Antibody and Recognition of Novel Virus-Specific Proteins in Infected Animal Brain Cells.. Journal of Veterinary Medical Science, 2000, 62, 775-778.	0.9	5
31	Monoreassortant Rotaviruses of Multiple G Types Are Differentially Neutralized by Sera From Infants Vaccinated With ROTARIX and RotaTeq. Journal of Infectious Diseases, 2021, 224, 1720-1729.	4.0	5
32	Development of an oncolytic mammalian orthoreovirus expressing the near-infrared fluorescent protein iRFP720. Journal of Virological Methods, 2022, 308, 114574.	2.1	3
33	The nonstructural p17 protein of a fusogenic bat-borne reovirus regulates viral replication in virus species- and host-specific manners. PLoS Pathogens, 2022, 18, e1010553.	4.7	2
34	Species A rotavirus reverse genetics: Achievements and prospects. Virus Research, 2021, 306, 198583.	2.2	1