Hiroyuki Shimizu

List of Publications by Year
in descending order

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120	5,834	71102	79698
papers	citations	41 h-index	73 g-index

125	125	125	4316
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Outbreak of Poliomyelitis in Hispaniola Associated with Circulating Type 1 Vaccine-Derived Poliovirus. Science, 2002, 296, 356-359.	12.6	523
2	Human P-selectin glycoprotein ligand-1 is a functional receptor for enterovirus 71. Nature Medicine, 2009, 15, 794-797.	30.7	368
3	Circulation of Endemic Type 2 Vaccine-Derived Poliovirus in Egypt from 1983 to 1993. Journal of Virology, 2003, 77, 8366-8377.	3.4	204
4	Hand, Foot, and Mouth Disease Caused by Coxsackievirus A6, Japan, 2011. Emerging Infectious Diseases, 2012, 18, 337-339.	4.3	198
5	Coxsackievirus B3 Is an Oncolytic Virus with Immunostimulatory Properties That Is Active against Lung Adenocarcinoma. Cancer Research, 2012, 72, 2609-2621.	0.9	178
6	Enterovirus 71 from Fatal and Nonfatal Cases of Hand, Foot and Mouth Disease Epidemics in Malaysia, Japan and Taiwan in 1997-1998. Japanese Journal of Infectious Diseases, 1999, 52, 12-15.	1.2	155
7	Temperature-sensitive mutants of enterovirus 71 show attenuation in cynomolgus monkeys. Journal of General Virology, 2005, 86, 1391-1401.	2.9	146
8	Multiple Independent Emergences of Type 2 Vaccine-Derived Polioviruses during a Large Outbreak in Northern Nigeria. Journal of Virology, 2013, 87, 4907-4922.	3.4	142
9	Molecular epidemiology of enterovirus 71 infection in the Western Pacific Region. Pediatrics International, 2004, 46, 231-235.	0.5	139
10	Circulating vaccine-derived polioviruses: current state of knowledge. Bulletin of the World Health Organization, 2004, 82, 16-23.	3.3	135
11	Phosphatidylinositol 4-Kinase III Beta Is a Target of Enviroxime-Like Compounds for Antipoliovirus Activity. Journal of Virology, 2011, 85, 2364-2372.	3.4	133
12	Circulation of Type 1 Vaccine-Derived Poliovirus in the Philippines in 2001. Journal of Virology, 2004, 78, 13512-13521.	3.4	128
13	An Attenuated Strain of Enterovirus 71 Belonging to Genotype A Showed a Broad Spectrum of Antigenicity with Attenuated Neurovirulence in Cynomolgus Monkeys. Journal of Virology, 2007, 81, 9386-9395.	3.4	120
14	Clinical Features of Acute Flaccid Myelitis Temporally Associated With an Enterovirus D68 Outbreak: Results of a Nationwide Survey of Acute Flaccid Paralysis in Japan, Augustâ€“December 2015. Clinical Infectious Diseases, 2018, 66, 653-664.	5.8	110
15	Enterovirus 71 Binding to PSGL-1 on Leukocytes: VP1-145 Acts as a Molecular Switch to Control Receptor Interaction. PLoS Pathogens, 2013, 9, e1003511.	4.7	103
16	Pyramidal and extrapyramidal involvement in experimental infection of cynomolgus monkeys with enterovirus 71. Journal of Medical Virology, 2002, 67, 207-216.	5.0	98
17	Differential localization of neurons susceptible to enterovirus 71 and poliovirus type 1 in the central nervous system of cynomolgus monkeys after intravenous inoculation. Journal of General Virology, 2004, 85, 2981-2989.	2.9	97
18	Cooperative Effect of the Attenuation Determinants Derived from Poliovirus Sabin 1 Strain Is Essential for Attenuation of Enterovirus 71 in the NOD/SCID Mouse Infection Model. Journal of Virology, 2008, 82, 1787-1797.	3.4	97

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19	Oxysterol-Binding Protein Family I Is the Target of Minor Enviroxime-Like Compounds. Journal of Virology, 2013, 87, 4252-4260.	3.4	96
20	Cross-antigenicity among EV71 strains from different genogroups isolated in Yamagata, Japan, between 1990 and 2007. Vaccine, 2009, 27, 3153-3158.	3.8	92
21	Intratypic Recombination among Lineages of Type 1 Vaccine-Derived Poliovirus Emerging during Chronic Infection of an Immunodeficient Patient. Journal of Virology, 2005, 79, 12623-12634.	3.4	89
22	A Sabin 3-Derived Poliovirus Recombinant Contained a Sequence Homologous with Indigenous Human Enterovirus Species C in the Viral Polymerase Coding Region. Journal of Virology, 2005, 79, 12650-12657.	3.4	88
23	Characterization of pharmacologically active compounds that inhibit poliovirus and enterovirus 71 infectivity. Journal of General Virology, 2008, 89, 2518-2530.	2.9	87
24	Molecular typing and epidemiology of nonâ€polio enteroviruses isolated from Yunnan Province, the People's Republic of China. Journal of Medical Virology, 2008, 80, 670-679.	5.0	73
25	Persistence of oral polio vaccine virus after its removal from the immunisation schedule in New Zealand. Lancet, The, 2005, 366, 394-396.	13.7	70
26	Tyrosine Sulfation of the Amino Terminus of PSGL-1 Is Critical for Enterovirus 71 Infection. PLoS Pathogens, 2010, 6, e1001174.	4.7	68
27	Acute Encephalitis Caused by Intrafamilial Transmission of Enterovirus 71 in Adult. Emerging Infectious Diseases, 2008, 14, 828-830.	4.3	63
28	Valosin-Containing Protein (VCP/p97) Is Required for Poliovirus Replication and Is Involved in Cellular Protein Secretion Pathway in Poliovirus Infection. Journal of Virology, 2012, 86, 5541-5553.	3.4	63
29	Identification and characterization of the RNA helicase activity of Japanese encephalitis virus NS3 protein. FEBS Letters, 2000, 465, 74-78.	2.8	58
30	The Role of VP1 Amino Acid Residue 145 of Enterovirus 71 in Viral Fitness and Pathogenesis in a Cynomolgus Monkey Model. PLoS Pathogens, 2015, 11, e1005033.	4.7	55
31	Rhombencephalitis and Coxsackievirus A16. Emerging Infectious Diseases, 2009, 15, 1689-1691.	4.3	54
32	A Strain-Specific Epitope of Enterovirus 71 Identified by Cryo-Electron Microscopy of the Complex with Fab from Neutralizing Antibody. Journal of Virology, 2013, 87, 11363-11370.	3.4	53
33	Detection of nineteen enteric viruses in raw sewage in Japan. Infection, Genetics and Evolution, 2018, 63, 17-23.	2.3	53
34	Equine-like G3 rotavirus strains as predominant strains among children in Indonesia in 2015â€“2016. Infection, Genetics and Evolution, 2018, 61, 224-228.	2.3	52
35	A Hybrid Baculovirus-T7 RNA Polymerase System for Recovery of an Infectious Virus from cDNA. Virology, 1997, 231, 192-200.	2.4	51
36	Mutations in the 2C Region of Poliovirus Responsible for Altered Sensitivity to Benzimidazole Derivatives. Journal of Virology, 2000, 74, 4146-4154.	3.4	50

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37	VP1 Amino Acid Residue 145 of Enterovirus 71 Is a Key Residue for Its Receptor Attachment and Resistance to Neutralizing Antibody during Cynomolgus Monkey Infection. Journal of Virology, 2018, 92, .	3.4	48
38	Analysis of a human immunodeficiency virus type 1 isolate carrying a truncated transmembrane glycoprotein. Virology, 1992, 189, 534-546.	2.4	45
39	Antigenic characterization of a formalin-inactivated poliovirus vaccine derived from live-attenuated Sabin strains. Vaccine, 2007, 25, 7041-7046.	3.8	45
40	Cellular kinase inhibitors that suppress enterovirus replication have a conserved target in viral protein 3A similar to that of enviroxime. Journal of General Virology, 2009, 90, 1869-1879.	2.9	45
41	Human Parechovirus Infection in Children Hospitalized with Acute Gastroenteritis in Sri Lanka. Journal of Clinical Microbiology, 2011, 49, 364-366.	3.9	45
42	Development and introduction of inactivated poliovirus vaccines derived from Sabin strains in Japan. Vaccine, 2016, 34, 1975-1985.	3.8	44
43	Adaptive mutations in the genomes of enterovirus 71 strains following infection of mouse cells expressing human P-selectin glycoprotein ligand-1. Journal of General Virology, 2011, 92, 287-291.	2.9	42
44	Rapid Genome Sequencing of RNA Viruses. Emerging Infectious Diseases, 2007, 13, 322-324.	4.3	41
45	A bifunctional anti-enterovirus compound that inhibits replication and the early stage of enterovirus 71 infection. Journal of General Virology, 2010, 91, 2734-2744.	2.9	41
46	Quantitative analysis of poliomyelitis-like paralysis in mice induced by a poliovirus replicon. Journal of General Virology, 2006, 87, 3317-3327.	2.9	39
47	Cellular Receptors for Human Enterovirus Species A. Frontiers in Microbiology, 2012, 3, 105.	3.5	37
48	Molecular Epidemiology of Echoviruses 11 and 13, Based on an Environmental Surveillance Conducted in Toyama Prefecture, 2002-2003. Applied and Environmental Microbiology, 2006, 72, 6381-6387.	3.1	34
49	Enterovirus 71 encephalomyelitis and Japanese encephalitis can be distinguished by topographic distribution of inflammation and specific intraneuronal detection of viral antigen and RNA. Neuropathology and Applied Neurobiology, 2012, 38, 443-453.	3.2	33
50	The Suramin Derivative NF449 Interacts with the 5-fold Vertex of the Enterovirus A71 Capsid to Prevent Virus Attachment to PSGL-1 and Heparan Sulfate. PLoS Pathogens, 2015, 11, e1005184.	4.7	33
51	Multiplex RT-PCR for rapid detection of viruses commonly causing diarrhea in pediatric patients. Journal of Medical Virology, 2017, 89, 818-824.	5.0	33
52	Non-polio enterovirus isolation among families in Ulaanbaatar and Tov province, Mongolia: prevalence, intrafamilial spread, and risk factors for infection. Epidemiology and Infection, 2005, 133, 1131.	2.1	31
53	Serial MRI findings of acute flaccid myelitis during an outbreak of enterovirus D68 infection in Japan. Brain and Development, 2019, 41, 443-451.	1.1	31
54	Clinical Manifestations of Coxsackievirus A6 Infection Associated with a Major Outbreak of Hand, Foot, and Mouth Disease in Japan. Japanese Journal of Infectious Diseases, 2013, 66, 260-261.	1.2	27

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55	Epidemic dynamics, interactions and predictability of enteroviruses associated with hand, foot and mouth disease in Japan. Journal of the Royal Society Interface, 2018, 15, 20180507.	3.4	27
56	Molecular Epidemiology and Clinical Features of Rotavirus Infection Among Pediatric Patients in East Java, Indonesia During 2015â€“2018: Dynamic Changes in Rotavirus Genotypes From Equine-Like G3 to Typical Human G1/G3. Frontiers in Microbiology, 2019, 10, 940.	3.5	27
57	A comparison of the VP1, VP2, and VP4 regions for molecular typing of human enteroviruses. Journal of Medical Virology, 2010, 82, 649-657.	5.0	26
58	Development of a Poliovirus Neutralization Test with Poliovirus Pseudovirus for Measurement of Neutralizing Antibody Titer in Human Serum. Vaccine Journal, 2011, 18, 1889-1894.	3.1	26
59	Detection and molecular characterization of cosavirus in adults with diarrhea, Thailand. Virus Genes, 2012, 44, 244-246.	1.6	26
60	Genetic diversity of circulating Saffold viruses in Pakistan and Afghanistan. Journal of General Virology, 2014, 95, 1945-1957.	2.9	26
61	Role of the DExH Motif of the Japanese Encephalitis Virus and Hepatitis C Virus NS3 Proteins in the ATPase and RNA Helicase Activities. Virology, 2000, 273, 316-324.	2.4	25
62	Development of an Efficient Entire-Capsid-Coding-Region Amplification Method for Direct Detection of Poliovirus from Stool Extracts. Journal of Clinical Microbiology, 2015, 53, 73-78.	3.9	25
63	An Insight into Recombination with Enterovirus Species C and Nucleotide G-480 Reversion from the Viewpoint of Neurovirulence of Vaccine-Derived Polioviruses. Scientific Reports, 2015, 5, 17291.	3.3	25
64	Shorter size of transmembrane glycoprotein of an HIV-1 isolate. Aids, 1990, 4, 575-576.	2.2	24
65	Development of a reverse transcription-loop-mediated isothermal amplification (RT-LAMP) system for a highly sensitive detection of enterovirus in the stool samples of acute flaccid paralysis cases. BMC Infectious Diseases, 2009, 9, 208.	2.9	24
66	Characterization of a rare natural intertypic type 2/type 3 penta-recombinant vaccine-derived poliovirus isolated from a child with acute flaccid paralysis. Journal of General Virology, 2010, 91, 421-429.	2.9	24
67	Three clusters of Saffold viruses circulating in children with diarrhea in Japan. Infection, Genetics and Evolution, 2013, 13, 339-343.	2.3	24
68	Molecular detection of enteric viruses in the stool samples of children without diarrhea in Bangladesh. Infection, Genetics and Evolution, 2020, 77, 104055.	2.3	24
69	The preparation of an infectious full-length cDNA clone of Saffold virus. Virology Journal, 2011, 8, 110.	3.4	23
70	Surveillance of hand, foot, and mouth disease for a vaccine. Lancet Infectious Diseases, The, 2014, 14, 262-263.	9.1	23
71	Detection of human bocavirus 1 and 2 from children with acute gastroenteritis in Japan. Journal of Medical Virology, 2012, 84, 901-905.	5.0	22
72	Integrin Î±3 is involved in non-enveloped hepatitis E virus infection. Virology, 2019, 536, 119-124.	2.4	22

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73	Inhibitory effect of novel 1-deoxynojirimycin derivatives on HIV-1 replication. Aids, 1990, 4, 975-980.	2.2	21
74	Identification of the Canarypox Virus Thymidine Kinase Gene and Insertion of Foreign Genes. Virology, 1999, 256, 280-290.	2.4	21
75	Detection and molecular characterization of human cosavirus in a pediatric patient with acute gastroenteritis, Japan. Infection, Genetics and Evolution, 2014, 28, 125-129.	2.3	19
76	Coxsackieviruses A6 and A16 associated with hand, foot, and mouth disease in Vietnam, 2008â€“2017: Essential information for rational vaccine design. Vaccine, 2020, 38, 8273-8285.	3.8	16
77	Genetic diversity of enterovirus 71 isolated from cases of hand, foot and mouth disease in Yokohama City between 1982 and 2000. Archives of Virology, 2003, 148, 253-263.	2.1	15
78	Quantification of the Dynamics of Enterovirus 71 Infection by Experimental-Mathematical Investigation. Journal of Virology, 2013, 87, 701-705.	3.4	15
79	Genetic characterization of VP1 of coxsackieviruses A2, A4, and A10 associated with hand, foot, and mouth disease in Vietnam in 2012â€“2017: endemic circulation and emergence of new HFMD-causing lineages. Archives of Virology, 2020, 165, 823-834.	2.1	15
80	Characteristics of an Environmentally Monitored Prolonged Type 2 Vaccine Derived Poliovirus Shedding Episode that Stopped without Intervention. PLoS ONE, 2013, 8, e66849.	2.5	14
81	Detection and genetic characterization of enterovirus strains circulating among children with acute gastroenteritis in Japan during 2014â€“2016. Infection, Genetics and Evolution, 2018, 61, 16-19.	2.3	14
82	Molecular epidemiology and genetic diversity of norovirus infection in children hospitalized with acute gastroenteritis in East Java, Indonesia in 2015â€“2019. Infection, Genetics and Evolution, 2021, 88, 104703.	2.3	14
83	A 3-Month-Old Child with Acute Gastroenteritis with Enterovirus D68 Detected from Stool Specimen. Clinical Laboratory, 2017, 63, 1269-1272.	0.5	14
84	Nationwide Survey of Pediatric Inpatients With Hand, Foot, and Mouth Disease, Herpangina, and Associated Complications During an Epidemic Period in Japan: Estimated Number of Hospitalized Patients and Factors Associated With Severe Cases. Journal of Epidemiology, 2019, 29, 354-362.	2.4	13
85	Notes from the Field: Circulating Vaccine-Derived Poliovirus Type 1 and Outbreak Response â€” Papua New Guinea, 2018. Morbidity and Mortality Weekly Report, 2019, 68, 119-120.	15.1	13
86	Phylogenic Analysis of Echovirus Type 30 Isolated from a Large Epidemic of Aseptic Meningitis in Japan during 1997-1998. Japanese Journal of Infectious Diseases, 1999, 52, 160-163.	1.2	13
87	Enterovirus D68 respiratory infection in a children's hospital in Japan in 2015. Pediatrics International, 2019, 61, 768-776.	0.5	12
88	A Novel Combination Therapy for Human Oxaliplatin-resistant Colorectal Cancer Using Oxaliplatin and Coxsackievirus A11. Anticancer Research, 2018, 38, 6121-6126.	1.1	11
89	Two Major Strains of Type 1 Wild Poliovirus Circulating in Indochina. Journal of Infectious Diseases, 1997, 175, 1233-1237.	4.0	10
90	Characterization of in vitro and in vivo phenotypes of poliovirus type 1 mutants with reduced viral protein synthesis activity. Journal of General Virology, 2004, 85, 1933-1944.	2.9	10

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91	A Case of Atypical Hand-Foot-and-Mouth Disease Caused by Coxsackievirus A6: Differential Diagnosis from Varicella in a Pediatric Intensive Care Unit. Japanese Journal of Infectious Diseases, 2013, 66, 564-566.	1.2	10
92	Diversity of human parechovirus in infants and children with acute gastroenteritis in Japan during 2014â€“2016. Infection, Genetics and Evolution, 2019, 75, 104001.	2.3	10
93	Human Immunodeficiency Virus Infection in Cells of Myeloidâ€Monocytic Lineage. Microbiology and Immunology, 1991, 35, 487-492.	1.4	9
94	Neuropathogenicity of Two Saffold Virus Type 3 Isolates in Mouse Models. PLoS ONE, 2016, 11, e0148184.	2.5	9
95	Molecular characterization of enterovirus-A71 in children with acute flaccid paralysis in the Philippines. BMC Infectious Diseases, 2019, 19, 370.	2.9	9
96	Polio vaccination coverage and seroprevalence of poliovirus antibodies after the introduction of inactivated poliovirus vaccines for routine immunization in Japan. Vaccine, 2019, 37, 1964-1971.	3.8	8
97	The Molecular Evolution of Type 2 Vaccine-Derived Polioviruses in Individuals with Primary Immunodeficiency Diseases. Viruses, 2021, 13, 1407.	3.3	8
98	Genetic Analysis of Wild Polioviruses towards the Eradication of Poliomyelitis from the Western Pacific Region. Japanese Journal of Infectious Diseases, 1999, 52, 146-149.	1.2	8
99	Establishment of a panel of inâ€house polyclonal antibodies for the diagnosis of enterovirus infections. Neuropathology, 2015, 35, 107-121.	1.2	7
100	Rapid serological diagnosis of enterovirus 71 infection by IgM ELISA. Japanese Journal of Infectious Diseases, 2002, 55, 133-5.	1.2	7
101	Oral poliovirus vaccine type 3 from a patient with transverse myelitis is neurovirulent in a transgenic mouse model. Journal of Clinical Virology, 2009, 44, 268-271.	3.1	6
102	Development of a Transcription-Reverse Transcription Concerted Reaction Method for Specific Detection of Human Enterovirus 71 from Clinical Specimens. Journal of Clinical Microbiology, 2012, 50, 1764-1768.	3.9	6
103	Cosavirus (family Picornaviridae) in pigs in Thailand and Japan. Archives of Virology, 2016, 161, 159-163.	2.1	6
104	Development of a Particle Agglutination Method with Soluble Virus Receptor for Identification of Poliovirus. Journal of Clinical Microbiology, 2010, 48, 2698-2702.	3.9	5
105	Genetic diversity of Parechovirus A in infants and children with acute gastroenteritis in Japan during 2016â€“2018. Infection, Genetics and Evolution, 2021, 90, 104776.	2.3	5
106	ANALYSIS OF COMMON EPITOPES ON gag PROTEINS OF HIV-1, HIV-2 AND SIV [AGM] USING MONOCLONAL ANTIBODIES AGAINST HIV-1. Japanese Journal of Medical Science and Biology, 1991, 44, 41-49.	0.4	4
107	Molecular epidemiology of type 2 vaccine-associated paralytic poliomyelitis in china. Japanese Journal of Infectious Diseases, 2003, 56, 181-3.	1.2	4
108	A Case of Paralytic Poliomyelitis Associated with Poliovirus Vaccine Strains in Hokkaido, Japan. Japanese Journal of Infectious Diseases, 2010, 63, 216-217.	1.2	4

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109	Molecular characterization and sequence analysis of the 2B region of Aichivirus C strains in Japan and Thailand. Infection, Genetics and Evolution, 2014, 26, 89-94.	2.3	3
110	EFFECT OF N- (3-PHENYL-2-PROPENYL) -1-DEOXYNOJIRIMYCIN ON THE LECTIN BINDING TO HIV-1 GLYCOPROTEINS. Japanese Journal of Medical Science and Biology, 1990, 43, 75-87.	0.4	3
111	A fatal case of acute encephalopathy in a child due to coxsackievirus A2 infection: a case report. BMC Infectious Diseases, 2021, 21, 1167.	2.9	3
112	Intracerebral Inoculation of Mouse-Passaged Saffold Virus Type 3 Affects Cerebellar Development in Neonatal Mice. Journal of Virology, 2016, 90, 10007-10021.	3.4	2
113	Neuropathology in Neonatal Mice After Experimental Coxsackievirus B2 Infection Using a Prototype Strain, Ohio-1. Journal of Neuropathology and Experimental Neurology, 2020, 79, 209-225.	1.7	2
114	Adult case of acute flaccid paralysis with enterovirus D68 detected in the CSF. Neurology: Clinical Practice, 2017, 7, 390-393.	1.6	1
115	Inactivated enterovirus A71 vaccines and moving forward. The Lancet Regional Health - Western Pacific, 2021, 16, 100292.	2.9	1
116	Fourteen years' surveillance of coxsackievirus group A in Kyoto 1996â€'2009 using mouse, RD-18S, and Vero cells. Japanese Journal of Infectious Diseases, 2011, 64, 167-8.	1.2	1
117	Fourteen Years' Surveillance of Coxsackievirus Group A in Kyoto 1996â€'2009 Using Mouse, RD-18S, and Vero Cells. Japanese Journal of Infectious Diseases, 2011, 64, 167-168.	1.2	1
118	Particle Agglutination Method for Poliovirus Identification. Journal of Visualized Experiments, 2011, , .	0.3	0
119	Reply to â€œPoliovirus-Neutralization Test with Poliovirus Pseudovirus To Measure Neutralizing Antibody in Humansâ€• Vaccine Journal, 2012, 19, 459-459.	3.1	0
120	A Japanese Encephalitis Virus NS3 Inhibitor Produced by a Streptomyces sp.. Nihon Hosenkin Gakkai Shi = Actinomycetologica, 2002, 16, 6-8.	0.3	0