Makoto Takeda

List of Publications by Year
in descending order

175 papers	12,636 citations	38660 50 h-index	29081 104 g-index
195 all docs	195 docs citations	195 times ranked	15680 citing authors

#	Article	IF	Citations
1	Enhanced isolation of SARS-CoV-2 by TMPRSS2-expressing cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7001-7003.	3.3	1,230
2	Syrian hamsters as a small animal model for SARS-CoV-2 infection and countermeasure development. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16587-16595.	3.3	912
3	Efficient Activation of the Severe Acute Respiratory Syndrome Coronavirus Spike Protein by the Transmembrane Protease TMPRSS2. Journal of Virology, 2010, 84, 12658-12664.	1.5	696
4	TMPRSS2 Contributes to Virus Spread and Immunopathology in the Airways of Murine Models after Coronavirus Infection. Journal of Virology, 2019, 93, .	1.5	533
5	Transmission of SARS-CoV-2 in Domestic Cats. New England Journal of Medicine, 2020, 383, 592-594.	13.9	430
6	Development of Genetic Diagnostic Methods for Detection for Novel Coronavirus 2019(nCoV-2019) in Japan. Japanese Journal of Infectious Diseases, 2020, 73, 304-307.	0.5	398
7	Influenza virus hemagglutinin concentrates in lipid raft microdomains for efficient viral fusion. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14610-14617.	3.3	323
8	Efficacy of Antibodies and Antiviral Drugs against Covid-19 Omicron Variant. New England Journal of Medicine, 2022, 386, 995-998.	13.9	301
9	Identification of Nafamostat as a Potent Inhibitor of Middle East Respiratory Syndrome Coronavirus S Protein-Mediated Membrane Fusion Using the Split-Protein-Based Cell-Cell Fusion Assay. Antimicrobial Agents and Chemotherapy, 2016, 60, 6532-6539.	1.4	300
10	Efficacy of Antiviral Agents against the SARS-CoV-2 Omicron Subvariant BA.2. New England Journal of Medicine, 2022, 386, 1475-1477.	13.9	240
11	Global Distribution of Measles Genotypes and Measles Molecular Epidemiology. Journal of Infectious Diseases, 2011, 204, S514-S523.	1.9	239
12	The Anticoagulant Nafamostat Potently Inhibits SARS-CoV-2 S Protein-Mediated Fusion in a Cell Fusion Assay System and Viral Infection In Vitro in a Cell-Type-Dependent Manner. Viruses, 2020, 12, 629.	1.5	232
13	Influenza A Virus M₂Ion Channel Activity Is Essential for Efficient Replication in Tissue Culture. Journal of Virology, 2002, 76, 1391-1399.	1.5	218
14	Crystal structure of measles virus hemagglutinin provides insight into effective vaccines. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19535-19540.	3.3	212
15	Mitofusin 2 Inhibits Mitochondrial Antiviral Signaling. Science Signaling, 2009, 2, ra47.	1.6	206
16	Measles virus: cellular receptors, tropism and pathogenesis. Journal of General Virology, 2006, 87, 2767-2779.	1.3	204
17	SLAM (CD150)-Independent Measles Virus Entry as Revealed by Recombinant Virus Expressing Green Fluorescent Protein. Journal of Virology, 2002, 76, 6743-6749.	1.5	199
18	Proteolytic Activation of the 1918 Influenza Virus Hemagglutinin. Journal of Virology, 2009, 83, 3200-3211.	1.5	194

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19	Measles. Nature Reviews Disease Primers, 2016, 2, 16049.	18.1	184
20	Measles virus V protein blocks interferon (IFN)-Î±/Î² but not IFN-Î³ signaling by inhibiting STAT1 and STAT2 phosphorylation. FEBS Letters, 2003, 545, 177-182.	1.3	175
21	Recovery of Pathogenic Measles Virus from Cloned cDNA. Journal of Virology, 2000, 74, 6643-6647.	1.5	153
22	Influenza B Virus BM2 Protein Has Ion Channel Activity that Conducts Protons across Membranes. Developmental Cell, 2003, 5, 175-184.	3.1	143
23	Efficient Multiplication of Human Metapneumovirus in Vero Cells Expressing the Transmembrane Serine Protease TMPRSS2. Journal of Virology, 2008, 82, 8942-8946.	1.5	141
24	The Host Protease TMPRSS2 Plays a Major Role in <i>In Vivo</i> Replication of Emerging H7N9 and Seasonal Influenza Viruses. Journal of Virology, 2014, 88, 5608-5616.	1.5	141
25	Dissection of measles virus V protein in relation to its ability to block alpha/beta interferon signal transduction. Journal of General Virology, 2004, 85, 2991-2999.	1.3	129
26	The Matrix Protein of Measles Virus Regulates Viral RNA Synthesis and Assembly by Interacting with the Nucleocapsid Protein. Journal of Virology, 2009, 83, 10374-10383.	1.5	127
27	Potential anti-COVID-19 agents, cepharanthine and nelfinavir, and their usage for combination treatment. IScience, 2021, 24, 102367.	1.9	126
28	Influenza Virus Hemagglutinin (H3 Subtype) Requires Palmitoylation of Its Cytoplasmic Tail for Assembly: M1 Proteins of Two Subtypes Differ in Their Ability To Support Assembly. Journal of Virology, 2005, 79, 13673-13684.	1.5	122
29	Nectin4 Is an Epithelial Cell Receptor for Canine Distemper Virus and Involved in Neurovirulence. Journal of Virology, 2012, 86, 10207-10210.	1.5	114
30	Lethal Canine Distemper Virus Outbreak in Cynomolgus Monkeys in Japan in 2008. Journal of Virology, 2013, 87, 1105-1114.	1.5	112
31	Long Untranslated Regions of the Measles Virus M and F Genes Control Virus Replication and Cytopathogenicity. Journal of Virology, 2005, 79, 14346-14354.	1.5	109
32	Proteolytic activation of SARSâ€CoVâ€2 spike protein. Microbiology and Immunology, 2022, 66, 15-23.	0.7	106
33	Measles Virus Infects both Polarized Epithelial and Immune Cells by Using Distinctive Receptor-Binding Sites on Its Hemagglutinin. Journal of Virology, 2008, 82, 4630-4637.	1.5	99
34	Both RIG-I and MDA5 RNA Helicases Contribute to the Induction of Alpha/Beta Interferon in Measles Virus-Infected Human Cells. Journal of Virology, 2010, 84, 372-379.	1.5	93
35	Measles Virus Attenuation Associated with Transcriptional Impediment and a Few Amino Acid Changes in the Polymerase and Accessory Proteins. Journal of Virology, 1998, 72, 8690-8696.	1.5	93
36	Mechanism of up-regulation of human Toll-like receptor 3 secondary to infection of measles virus-attenuated strains. Biochemical and Biophysical Research Communications, 2003, 311, 39-48.	1.0	92

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37	Measles Virus Circumvents the Host Interferon Response by Different Actions of the C and V Proteins. Journal of Virology, 2008, 82, 8296-8306.	1.5	92
38	Genetic Characterization of Measles Vaccine Strains. Journal of Infectious Diseases, 2011, 204, S533-S548.	1.9	87
39	Altered Interaction of the Matrix Protein with the Cytoplasmic Tail of Hemagglutinin Modulates Measles Virus Growth by Affecting Virus Assembly and Cell-Cell Fusion. Journal of Virology, 2007, 81, 6827-6836.	1.5	80
40	Translational Inhibition and Increased Interferon Induction in Cells Infected with C Protein-Deficient Measles Virus. Journal of Virology, 2006, 80, 11861-11867.	1.5	74
41	A Human Lung Carcinoma Cell Line Supports Efficient Measles Virus Growth and Syncytium Formation via a SLAM- and CD46-Independent Mechanism. Journal of Virology, 2007, 81, 12091-12096.	1.5	72
42	Stringent Requirement for the C Protein of Wild-Type Measles Virus for Growth both In Vitro and in Macaques. Journal of Virology, 2005, 79, 7838-7844.	1.5	71
43	Influenza B virus BM2 protein is an oligomeric integral membrane protein expressed at the cell surface. Virology, 2003, 306, 7-17.	1.1	68
44	Wild-type measles virus induces large syncytium formation in primary human small airway epithelial cells by a SLAM(CD150)-independent mechanism. Virus Research, 2003, 94, 11-16.	1.1	65
45	Triggering the measles virus membrane fusion machinery. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3018-27.	3.3	63
46	Antiviral activities of mycophenolic acid and IMDâ€0354 against SARSâ€CoVâ€2. Microbiology and Immunology, 2020, 64, 635-639.	0.7	63
47	Measles Virus Infection of SLAM (CD150) Knockin Mice Reproduces Tropism and Immunosuppression in Human Infection. Journal of Virology, 2007, 81, 1650-1659.	1.5	61
48	Multiple Amino Acid Substitutions in Hemagglutinin Are Necessary for Wild-Type MeaslesVirus To Acquire the Ability To Use Receptor CD46 Efficiently. Journal of Virology, 2007, 81, 2564-2572.	1.5	60
49	Canine Distemper Virus Associated with a Lethal Outbreak in Monkeys Can Readily Adapt To Use Human Receptors. Journal of Virology, 2013, 87, 7170-7175.	1.5	60
50	Environmental Sampling for Severe Acute Respiratory Syndrome Coronavirus 2 During a COVID-19 Outbreak on the Diamond Princess Cruise Ship. Journal of Infectious Diseases, 2020, 222, 1098-1102.	1.9	59
51	Conversion of viable but nonculturable <i>Vibrio cholerae</i> to the culturable state by coâ€culture with eukaryotic cells. Microbiology and Immunology, 2010, 54, 502-507.	0.7	54
52	Heat Shock Protein 90 Ensures Efficient Mumps Virus Replication by Assisting with Viral Polymerase Complex Formation. Journal of Virology, 2017, 91, .	1.5	54
53	Consensus and variations in cell line specificity among human metapneumovirus strains. PLoS ONE, 2019, 14, e0215822.	1.1	54
54	TMPRSS2 Is an Activating Protease for Respiratory Parainfluenza Viruses. Journal of Virology, 2013, 87, 11930-11935.	1.5	53

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55	Death by influenza virus protein. Nature Medicine, 2001, 7, 1286-1288.	15.2	49
56	Genetic Characterization of Measles and Rubella Viruses Detected Through Global Measles and Rubella Elimination Surveillance, 2016â€"2018. Morbidity and Mortality Weekly Report, 2019, 68, 587-591.	9.0	48
57	Global Measles and Rubella Laboratory Network Support for Elimination Goals, 2010â€"2015. Morbidity and Mortality Weekly Report, 2016, 65, 438-442.	9.0	47
58	Contributions of Matrix and Large Protein Genes of the Measles Virus Edmonston Strain to Growth in Cultured Cells as Revealed by Recombinant Viruses. Journal of Virology, 2005, 79, 15218-15225.	1.5	46
59	Functional and Structural Characterization of Neutralizing Epitopes of Measles Virus Hemagglutinin Protein. Journal of Virology, 2013, 87, 666-675.	1.5	45
60	Transmembrane serine protease TMPRSS2 activates hepatitis C virus infection. Hepatology, 2015, 61, 437-446.	3.6	44
61	The F Gene of the Osaka-2 Strain of Measles Virus Derived from a Case of Subacute Sclerosing Panencephalitis Is a Major Determinant of Neurovirulence. Journal of Virology, 2010, 84, 11189-11199.	1.5	40
62	Intracellular Transport of the Measles Virus Ribonucleoprotein Complex Is Mediated by Rab11A-Positive Recycling Endosomes and Drives Virus Release from the Apical Membrane of Polarized Epithelial Cells. Journal of Virology, 2013, 87, 4683-4693.	1.5	40
63	Measles Virus Nonstructural C Protein Modulates Viral RNA Polymerase Activity by Interacting with Host Protein SHCBP1. Journal of Virology, 2013, 87, 9633-9642.	1.5	40
64	The SI Strain of Measles Virus Derived from a Patient with Subacute Sclerosing Panencephalitis Possesses Typical Genome Alterations and Unique Amino Acid Changes That Modulate Receptor Specificity and Reduce Membrane Fusion Activity. Journal of Virology, 2011, 85, 11871-11882.	1.5	39
65	Recombinant Wild-Type and Edmonston Strain Measles Viruses Bearing Heterologous H Proteins: Role of H Protein in Cell Fusion and Host Cell Specificity. Journal of Virology, 2002, 76, 4891-4900.	1.5	38
66	Generation of Measles Virus with a Segmented RNA Genome. Journal of Virology, 2006, 80, 4242-4248.	1.5	37
67	The Receptor-Binding Site of the Measles Virus Hemagglutinin Protein Itself Constitutes a Conserved Neutralizing Epitope. Journal of Virology, 2013, 87, 3583-3586.	1.5	35
68	Molecular evolution of haemagglutinin (H) gene in measles virus. Scientific Reports, 2015, 5, 11648.	1.6	35
69	Assessment of Real-Time RT-PCR Kits for SARS-CoV-2 Detection. Japanese Journal of Infectious Diseases, 2020, 73, 366-368.	0.5	35
70	PIASy Inhibits Virus-induced and Interferon-stimulated Transcription through Distinct Mechanisms. Journal of Biological Chemistry, 2011, 286, 8165-8175.	1.6	34
71	The Measles Virus Nucleocapsid Protein Tail Domain Is Dispensable for Viral Polymerase Recruitment and Activity. Journal of Biological Chemistry, 2013, 288, 29943-29953.	1.6	34
72	Enhanced Antitumor Effects of an Engineered Measles Virus Edmonston Strain Expressing the Wild-type N, P, L Genes on Human Renal Cell Carcinoma. Molecular Therapy, 2010, 18, 544-551.	3.7	33

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73	Acute Respiratory Infection in Human Dipeptidyl Peptidase 4-Transgenic Mice Infected with Middle East Respiratory Syndrome Coronavirus. Journal of Virology, 2019, 93, .	1.5	33
74	The Genome Nucleotide Sequence of a Contemporary Wild Strain of Measles Virus and Its Comparison with the Classical Edmonston Strain Genome. Virology, 1999, 256, 340-350.	1.1	32
75	Epithelial-Mesenchymal Transition Abolishes the Susceptibility of Polarized Epithelial Cell Lines to Measles Virus. Journal of Biological Chemistry, 2010, 285, 20882-20890.	1.6	32
76	Heat Shock Protein 70 Regulates Degradation of the Mumps Virus Phosphoprotein via the Ubiquitin-Proteasome Pathway. Journal of Virology, 2015, 89, 3188-3199.	1.5	32
77	A Mutant H3N2 Influenza Virus Uses an Alternative Activation Mechanism in TMPRSS2 Knockout Mice by Loss of an Oligosaccharide in the Hemagglutinin Stalk Region. Journal of Virology, 2015, 89, 5154-5158.	1.5	32
78	Development of Monoclonal Antibody and Diagnostic Test for Middle East Respiratory Syndrome Coronavirus Using Cell-Free Synthesized Nucleocapsid Antigen. Frontiers in Microbiology, 2016, 7, 509.	1.5	32
79	Efficient rescue of measles virus from cloned cDNA using SLAM-expressing Chinese hamster ovary cells. Virus Research, 2005, 108, 161-165.	1.1	31
80	180-Nucleotide Duplication in the G Gene of Human metapneumovirus A2b Subgroup Strains Circulating in Yokohama City, Japan, since 2014. Frontiers in Microbiology, 2017, 8, 402.	1.5	31
81	Canine distemper virus with the intact C protein has the potential to replicate in human epithelial cells by using human nectin4 as a receptor. Virology, 2013, 435, 485-492.	1.1	30
82	Measles Viruses Possessing the Polymerase Protein Genes of the Edmonston Vaccine Strain Exhibit Attenuated Gene Expression and Growth in Cultured Cells and SLAM Knock-In Mice. Journal of Virology, 2008, 82, 11979-11984.	1.5	29
83	Expression of canine distemper virus receptor nectin-4 in the central nervous system of dogs. Scientific Reports, 2017, 7, 349.	1.6	29
84	Both Sphingomyelin and Cholesterol in the Host Cell Membrane Are Essential for Rubella Virus Entry. Journal of Virology, 2018, 92, .	1.5	29
85	Measles virus receptors and tropism. Japanese Journal of Infectious Diseases, 2006, 59, 1-5.	0.5	29
86	Mumps Virus Is Released from the Apical Surface of Polarized Epithelial Cells, and the Release Is Facilitated by a Rab11-Mediated Transport System. Journal of Virology, 2015, 89, 12026-12034.	1.5	28
87	Measles Virus Hemagglutinin Protein Epitopes: The Basis of Antigenic Stability. Viruses, 2016, 8, 216.	1.5	28
88	Measles virus breaks through epithelial cell barriers to achieve transmission. Journal of Clinical Investigation, 2008, 118, 2386-9.	3.9	27
89	Evaluation of nationwide supplementary immunization in Lao People's Democratic Republic: Population-based seroprevalence survey of anti-measles and anti-rubella IgG in children and adults, mathematical modelling and a stability testing of the vaccine. PLoS ONE, 2018, 13, e0194931.	1.1	26
90	Mefloquine, a Potent Anti-severe Acute Respiratory Syndrome-Related Coronavirus 2 (SARS-CoV-2) Drug as an Entry Inhibitor in vitro. Frontiers in Microbiology, 2021, 12, 651403.	1.5	25

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91	Recombinant wild-type measles virus containing a single N481Y substitution in its haemagglutinin cannot use receptor CD46 as efficiently as that having the haemagglutinin of the Edmonston laboratory strain. Journal of General Virology, 2006, 87, 1643-1648.	1.3	24
92	Animal morbilliviruses and their cross-species transmission potential. Current Opinion in Virology, 2020, 41, 38-45.	2.6	24
93	Cell tropism of wild-type measles virus is affected by amino acid substitutions in the P, V and M proteins, or by a truncation in the C protein. Journal of General Virology, 2004, 85, 3001-3006.	1.3	22
94	A novel 111â€nucleotide duplication in the G gene of human metapneumovirus. Microbiology and Immunology, 2017, 61, 507-512.	0.7	22
95	Recent Molecular Evolution of Human Metapneumovirus (HMPV): Subdivision of HMPV A2b Strains. Microorganisms, 2020, 8, 1280.	1.6	22
96	Wild-Type Measles Virus is Intrinsically Dual-Tropic. Frontiers in Microbiology, 2012, 2, 279.	1.5	21
97	Identification of Anti-Severe Acute Respiratory Syndrome-Related Coronavirus 2 (SARS-CoV-2) Oxysterol Derivatives In Vitro. International Journal of Molecular Sciences, 2021, 22, 3163.	1.8	21
98	Rescue system for measles virus from cloned cDNA driven by vaccinia virus Lister vaccine strain. Journal of Virological Methods, 2006, 137, 152-155.	1.0	20
99	Cross-Neutralization between Human and African Bat Mumps Viruses. Emerging Infectious Diseases, 2016, 22, 703-706.	2.0	19
100	TMPRSS2 Independency for Haemagglutinin Cleavage In Vivo Differentiates Influenza B Virus from Influenza A Virus. Scientific Reports, 2016, 6, 29430.	1.6	19
101	Analysis of VSV pseudotype virus infection mediated by rubella virus envelope proteins. Scientific Reports, 2017, 7, 11607.	1.6	19
102	Marine Morbilliviruses: Diversity and Interaction with Signaling Lymphocyte Activation Molecules. Viruses, 2019, 11, 606.	1.5	19
103	Ongoing increase in measles cases following importations, Japan, March 2014: times of challenge and opportunity. Western Pacific Surveillance and Response Journal: WPSAR, 2014, 5, 31-33.	0.3	19
104	The MyD88 Pathway in Plasmacytoid and CD4+Dendritic Cells Primarily Triggers Type I IFN Production against Measles Virus in a Mouse Infection Model. Journal of Immunology, 2013, 191, 4740-4747.	0.4	18
105	Significant role of host sialylated glycans in the infection and spread of severe acute respiratory syndrome coronavirus 2. PLoS Pathogens, 2022, 18, e1010590.	2.1	18
106	Evaluation of sensitivity of TaqMan RT-PCR for rubella virus detection in clinical specimens. Journal of Clinical Virology, 2016, 80, 98-101.	1.6	17
107	Sensitive detection of measles virus infection in the blood and tissues of humanized mouse by one-step quantitative RT-PCR. Frontiers in Microbiology, 2013, 4, 298.	1.5	16
108	Molecular Epidemiology of Rubella Virus Strains Detected Around the Time of the 2012â€“2013 Epidemic in Japan. Frontiers in Microbiology, 2017, 8, 1513.	1.5	16

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109	Predominant Detection of the Subgroup A2b Human Metapneumovirus Strain with a 111-Nucleotide Duplication in the <i>G</i> gene in Yokohama City, Japan in 2018. Japanese Journal of Infectious Diseases, 2019, 72, 350-352.	0.5	16
110	The V Protein of Canine Distemper Virus Is Required for Virus Replication in Human Epithelial Cells. PLoS ONE, 2013, 8, e82343.	1.1	16
111	Exposure to H1 genotype measles virus at an international airport in Japan on 31 July 2016 results in a measles outbreak. Western Pacific Surveillance and Response Journal: WPSAR, 2017, 8, 37-39.	0.3	16
112	Specificity of Morbillivirus Hemagglutinins to Recognize SLAM of Different Species. Viruses, 2019, 11, 761.	1.5	15
113	An Ultra-Rapid Real-Time RT-PCR Method Using the PCR1100 to Detect Severe Acute Respiratory Syndrome Coronavirus-2. Japanese Journal of Infectious Diseases, 2021, 74, 29-34.	0.5	15
114	Fitness selection of hyperfusogenic measles virus F proteins associated with neuropathogenic phenotypes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	15
115	Heat Shock Protein 90 Ensures the Integrity of Rubella Virus p150 Protein and Supports Viral Replication. Journal of Virology, 2019, 93, .	1.5	14
116	Functionally Distinct Effects of the C-Terminal Regions of IKKÎµ and TBK1 on Type I IFN Production. PLoS ONE, 2014, 9, e94999.	1.1	13
117	Molecular Evolution of Hemagglutinin (H) Gene in Measles Virus Genotypes D3, D5, D9, and H1. PLoS ONE, 2012, 7, e50660.	1.1	12
118	Amino acid substitutions in the heptad repeat A and C regions of the F protein responsible for neurovirulence of measles virus Osaka-1 strain from a patient with subacute sclerosing panencephalitis. Virology, 2016, 487, 141-149.	1.1	12
119	Photocontrollable mononegaviruses. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11587-11589.	3.3	12
120	The R2TP complex regulates paramyxovirus RNA synthesis. PLoS Pathogens, 2019, 15, e1007749.	2.1	12
121	Elucidation of the full genetic information of Japanese rubella vaccines and the genetic changes associated with in vitro and in vivo vaccine virus phenotypes. Vaccine, 2011, 29, 1863-1873.	1.7	11
122	Short Self-Interacting N-Terminal Region of Rubella Virus Capsid Protein Is Essential for Cooperative Actions of Capsid and Nonstructural p150 Proteins. Journal of Virology, 2014, 88, 11187-11198.	1.5	11
123	Nationwide Molecular Epidemiology of Measles Virus in Japan Between 2008 and 2017. Frontiers in Microbiology, 2019, 10, 1470.	1.5	11
124	Changes in virus detection in hospitalized children before and after the severe acute respiratory syndrome coronavirus 2 pandemic. Influenza and Other Respiratory Viruses, 2022, 16, 837-841.	1.5	11
125	A Highly Attenuated Measles Virus Vaccine Strain Encodes a Fully Functional C Protein. Journal of Virology, 2009, 83, 11996-12001.	1.5	9
126	Reduced ability of hemagglutinin of the CAM-70 measles virus vaccine strain to use receptors CD46 and SLAM. Vaccine, 2009, 27, 3838-3848.	1.7	9

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127	Development of an improved RT-LAMP assay for detection of currently circulating rubella viruses. Journal of Virological Methods, 2014, 207, 73-77.	1.0	8
128	A chicken homologue of nectin-4 functions as a measles virus receptor. Vaccine, 2016, 34, 7-12.	1.7	8
129	The Association Between Documentation of Koplik Spots and Laboratory Diagnosis of Measles and Other Rash Diseases in a National Measles Surveillance Program in Japan. Frontiers in Microbiology, 2019, 10, 269.	1.5	8
130	Detection of the ORF1 Gene Is an Indicator of the Possible Isolation of Severe Acute Respiratory Syndrome Coronavirus 2. Pathogens, 2022, 11, 302.	1.2	8
131	Simple method for differentiating measles vaccine from wildâ€type strains using loopâ€mediated isothermal amplification. Microbiology and Immunology, 2013, 57, 246-251.	0.7	7
132	Biased hypermutation occurred frequently in a gene inserted into the IC323 recombinant measles virus during its persistence in the brains of nude mice. Virology, 2014, 462-463, 91-97.	1.1	7
133	Phocine distemper virus uses phocine and other animal SLAMs as a receptor but not human SLAM. Microbiology and Immunology, 2020, 64, 578-583.	0.7	7
134	Performance Evaluation of Real-Time RT-PCR Assays for the Detection of Severe Acute Respiratory Syndrome Coronavirus-2 Developed by the National Institute of Infectious Diseases, Japan. Japanese Journal of Infectious Diseases, 2021, 74, 465-472.	0.5	7
135	Thirteen Nearly Complete Genome Sequences of Human Bocavirus 1 Isolated from Pediatric Inpatients in Fukushima, Japan. Microbiology Resource Announcements, 2022, 11, e0102721.	0.3	7
136	Practical Validation of United States Centers for Disease Control and Prevention Assays for the Detection of Human Respiratory Syncytial Virus in Pediatric Inpatients in Japan. Pathogens, 2022, 11, 754.	1.2	7
137	Non-transmissible MV Vector with Segmented RNA Genome Establishes Different Types of iPSCs from Hematopoietic Cells. Molecular Therapy, 2020, 28, 129-141.	3.7	6
138	The Anti-Influenza Virus Drug Favipiravir Has Little Effect on Replication of SARS-CoV-2 in Cultured Cells. Antimicrobial Agents and Chemotherapy, 2021, 65, .	1.4	6
139	An Outbreak of Acute Respiratory Infections due to Human Respiratory Syncytial Virus in a Nursing Home for the Elderly in Ibaraki, Japan, 2014. Japanese Journal of Infectious Diseases, 2014, 67, 326-328.	0.5	6
140	First detection of measles virus genotype g3 in a Japanese woman: an imported case. Japanese Journal of Infectious Diseases, 2011, 64, 262-3.	0.5	6
141	Chronological changes of mumps virus genotypes in Japan between 1999â€“2013. Infectious Diseases, 2016, 48, 524-529.	1.4	5
142	Estimating the immunogenicity of measles-rubella vaccination administered during a mass campaign in Lao Peopleâ€™s Democratic Republic using multi-valent seroprevalence data. Scientific Reports, 2019, 9, 12545.	1.6	5
143	Biophysical characterization and singleâ€chain Fv construction of a neutralizing antibody to measles virus. FEBS Journal, 2020, 287, 145-159.	2.2	5
144	Poliovirus-nonsusceptible Vero cell line for the World Health Organization global action plan. Scientific Reports, 2021, 11, 6746.	1.6	5

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145	Analysis of the temperature sensitivity of Japanese rubella vaccine strain TO-336.vac and its effect on immunogenicity in the guinea pig. Virology, 2016, 491, 89-95.	1.1	4
146	Measles Virus Hemagglutinin Protein Establishes a Specific Interaction With the Extreme N-Terminal Region of Human Signaling Lymphocytic Activation Molecule to Enhance Infection. Frontiers in Microbiology, 2020, 11, 1830.	1.5	4
147	Computational Analysis Reveals a Critical Point Mutation in the N-Terminal Region of the Signaling Lymphocytic Activation Molecule Responsible for the Cross-Species Infection with Canine Distemper Virus. Molecules, 2021, 26, 1262.	1.7	4
148	Less Frequent Sequence Mismatches in Variants of Concern (VOCs) of SARS-CoV-2 in the Real-Time RT-PCR Assays Developed by the National Institute of Infectious Diseases, Japan. Japanese Journal of Infectious Diseases, 2022, 75, 96-101.	0.5	4
149	Epidemiological and clinical characteristics of infections with seasonal human coronavirus and respiratory syncytial virus in hospitalized children immediately before the coronavirus disease 2019 pandemic. Journal of Infection and Chemotherapy, 2022, 28, 859-865.	0.8	4
150	Detailed Evolutionary Analyses of the F Gene in the Respiratory Syncytial Virus Subgroup A. Viruses, 2021, 13, 2525.	1.5	4
151	Homogeneous sugar modification improves crystallization of measles virus hemagglutinin. Journal of Virological Methods, 2008, 149, 171-174.	1.0	3
152	Non Susceptibility of Neonatal and Adult Rats against the Middle East Respiratory Syndrome Coronavirus. Japanese Journal of Infectious Diseases, 2016, 69, 510-516.	0.5	3
153	A method for detecting rash and fever illnessâ€associated viruses using multiplex reverse transcription polymerase chain reaction. Microbiology and Immunology, 2017, 61, 337-344.	0.7	3
154	Seroprevalence of mumps before the introduction of mumps-containing vaccine in Lao PDR: results from a nationwide cross-sectional population-based survey. BMC Research Notes, 2019, 12, 155.	0.6	3
155	Comparison of virological and serological methods for laboratory confirmation of rubella. Journal of Clinical Virology, 2020, 123, 104257.	1.6	3
156	Editorial overview: Combating measles during a COVID-19 pandemic. Current Opinion in Virology, 2020, 41, iii-vii.	2.6	3
157	The Physiological TMPRSS2 Inhibitor HAI-2 Alleviates SARS-CoV-2 Infection. Journal of Virology, 2021, 95, .	1.5	3
158	Vaccine temperature management in Lao People's Democratic Republic: A nationwide cross-sectional study. Heliyon, 2021, 7, e07342.	1.4	3
159	Antiviral Activity of CD437 Against Mumps Virus. Frontiers in Microbiology, 2021, 12, 751909.	1.5	3
160	Identification of Anti-COVID-19 Agents, Cepharanthine and Nelfinavir, and Their Potential Usage for Combination Treatment. SSRN Electronic Journal, 0, , .	0.4	2
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