Minetaro Arita

List of Publications by Year
in descending order

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52 papers	2,368 citations	257450 24 h-index	206112 48 g-index
53 all docs	53 docs citations	53 times ranked	2256 citing authors

#	Article	IF	Citations
1	Regulation of the Yeast Yap1p Nuclear Export Signal Is Mediated by Redox Signal-Induced Reversible Disulfide Bond Formation. Molecular and Cellular Biology, 2001, 21, 6139-6150.	2.3	217
2	Itraconazole Inhibits Enterovirus Replication by Targeting the Oxysterol-Binding Protein. Cell Reports, 2015, 10, 600-615.	6.4	201
3	ACBD3-mediated recruitment of PI4KB to picornavirus RNA replication sites. EMBO Journal, 2012, 31, 754-766.	7.8	159
4	Temperature-sensitive mutants of enterovirus 71 show attenuation in cynomolgus monkeys. Journal of General Virology, 2005, 86, 1391-1401.	2.9	146
5	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
6	Circulation of Type 1 Vaccine-Derived Poliovirus in the Philippines in 2001. Journal of Virology, 2004, 78, 13512-13521.	3.4	128
7	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
8	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
9	Oxysterol-Binding Protein Family I Is the Target of Minor Enviroxime-Like Compounds. Journal of Virology, 2013, 87, 4252-4260.	3.4	96
10	Phosphatidylinositolâ€4 kinase III beta and oxysterolâ€binding protein accumulate unesterified cholesterol on poliovirusâ€induced membrane structure. Microbiology and Immunology, 2014, 58, 239-256.	1.4	91
11	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
12	Characterization of pharmacologically active compounds that inhibit poliovirus and enterovirus 71 infectivity. Journal of General Virology, 2008, 89, 2518-2530.	2.9	87
13	Interaction of Poliovirus with Its Purified Receptor and Conformational Alteration in the Virion. Journal of Virology, 1998, 72, 3578-3586.	3.4	69
14	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
15	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
16	Rapid Genome Sequencing of RNA Viruses. Emerging Infectious Diseases, 2007, 13, 322-324.	4.3	41
17	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
18	Intestinal Immunity Is a Determinant of Clearance of Poliovirus After Oral Vaccination. Journal of Infectious Diseases, 2014, 209, 1628-1634.	4.0	40

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19	Quantitative analysis of poliomyelitis-like paralysis in mice induced by a poliovirus replicon. Journal of General Virology, 2006, 87, 3317-3327.	2.9	39
20	Phosphatidylinositol 4â€kinase III beta is the target of oxoglaucine and pachypodol (Ro 09â€0179) for their antiâ€poliovirus activities, and is located at upstream of the target step of brefeldin A. Microbiology and Immunology, 2015, 59, 338-347.	1.4	34
21	Mechanism of Poliovirus Resistance to Host Phosphatidylinositol-4 Kinase III Î² Inhibitor. ACS Infectious Diseases, 2016, 2, 140-148.	3.8	33
22	Intestinal Immune Responses to Type 2 Oral Polio Vaccine (OPV) Challenge in Infants Previously Immunized With Bivalent OPV and Either High-Dose or Standard Inactivated Polio Vaccine. Journal of Infectious Diseases, 2018, 217, 371-380.	4.0	32
23	Interaction of Poliovirus with Its Receptor Affords a High Level of Infectivity to the Virion in Poliovirus Infections Mediated by the Fc Receptor. Journal of Virology, 1999, 73, 1066-1074.	3.4	28
24	Fungus-Derived Neoechinulin B as a Novel Antagonist of Liver X Receptor, Identified by Chemical Genetics Using a Hepatitis C Virus Cell Culture System. Journal of Virology, 2016, 90, 9058-9074.	3.4	27
25	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
26	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
27	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
28	Biochemical characterization of enterovirus 71 3D RNA polymerase. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 211-219.	1.9	24
29	Prolactin Regulatory Element Binding Protein Is Involved in Hepatitis C Virus Replication by Interaction with NS4B. Journal of Virology, 2016, 90, 3093-3111.	3.4	21
30	Sphingomyelin Is Essential for the Structure and Function of the Double-Membrane Vesicles in Hepatitis C Virus RNA Replication Factories. Journal of Virology, 2020, 94, .	3.4	19
31	Allosteric Regulation of Phosphatidylinositol 4-Kinase III Beta by an Antipicornavirus Compound MDL-860. ACS Infectious Diseases, 2017, 3, 585-594.	3.8	18
32	Poliovirus Evolution toward Independence from the Phosphatidylinositol-4 Kinase III Î²/Oxysterol-Binding Protein Family I Pathway. ACS Infectious Diseases, 2019, 5, 962-973.	3.8	16
33	Surfeit 4 Contributes to the Replication of Hepatitis C Virus Using Double-Membrane Vesicles. Journal of Virology, 2020, 94, .	3.4	14
34	Intestinal antibody responses to a live oral poliovirus vaccine challenge among adults previously immunized with inactivated polio vaccine in Sweden. BMJ Global Health, 2019, 4, e001613.	4.7	13
35	Intestinal Immunity to Poliovirus Following Sequential Trivalent Inactivated Polio Vaccine/Bivalent Oral Polio Vaccine and Trivalent Inactivated Polio Vaccineâ€“only Immunization Schedules: Analysis of an Open-label, Randomized, Controlled Trial in Chilean Infants. Clinical Infectious Diseases, 2018, 67, S42-S50.	5.8	12
36	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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37	Development of Poliovirus Extraction Method from Stool Extracts by Using Magnetic Nanoparticles Sensitized with Soluble Poliovirus Receptor. Journal of Clinical Microbiology, 2013, 51, 2717-2720.	3.9	10
38	Poliovirus Studies during the Endgame of the Polio Eradication Program. Japanese Journal of Infectious Diseases, 2017, 70, 1-6.	1.2	10
39	Multiple pathways for establishment of poliovirus infection. Virus Research, 1999, 62, 97-105.	2.2	9
40	Evaluation of antigenic differences between wild and Sabin vaccine strains of poliovirus using the pseudovirus neutralization test. Scientific Reports, 2019, 9, 11970.	3.3	8
41	Characterization of a New Antienterovirus D68 Compound Purified from Avocado. ACS Infectious Diseases, 2020, 6, 2291-2300.	3.8	8
42	Concurrent outbreaks of circulating vaccine-derived poliovirus types 1 and 2 affecting the Republic of the Philippines and Malaysia, 2019â€“2021. Vaccine, 2023, 41, A58-A69.	3.8	8
43	Essential domains of phosphatidylinositolâ€4 kinase III Î² required for enterovirus replication. Microbiology and Immunology, 2019, 63, 285-288.	1.4	7
44	Characterization of the Poliovirus 147S Particle: New Insights into Poliovirus Uncoating. Virology, 2003, 305, 55-65.	2.4	6
45	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
46	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
47	High-Order Epistasis and Functional Coupling of Infection Steps Drive Virus Evolution toward Independence from a Host Pathway. Microbiology Spectrum, 2021, 9, e0080021.	3.0	4
48	Intestinal Antibody Responses to 2 Novel Live Attenuated Type 2 Oral Poliovirus Vaccines in Healthy Adults in Belgium. Journal of Infectious Diseases, 2020, , .	4.0	4
49	Ligand Recognition by the Lipid Transfer Domain of Human OSBP Is Important for Enterovirus Replication. ACS Infectious Diseases, 2022, 8, 1161-1170.	3.8	4
50	Particle Agglutination Method for Poliovirus Identification. Journal of Visualized Experiments, 2011, , .	0.3	0
51	Reply to â€œPoliovirus-Neutralization Test with Poliovirus Pseudovirus To Measure Neutralizing Antibody in Humansâ€• Vaccine Journal, 2012, 19, 459-459.	3.1	0
52	Indirect immunofluorescence images of poliovirusâ€infected cells. Blue, BODIPYâ€cholesterol; Green, virus 2B protein; Red, phosphatidylinositol 4â€phosphate. Microbiology and Immunology, 2014, 58, i.	1.4	0