Masatoshi Okamatsu

List of Publications by Year
in descending order

73 papers	1,468 citations	361413 20 h-index	361022 35 g-index
74 all docs	74 docs citations	74 times ranked	1927 citing authors

#	Article	IF	Citations
1	A systematic approach to illuminate a new hot spot of avian influenza virus circulation in South Vietnam, 2016â€“2017. Transboundary and Emerging Diseases, 2022, 69, .	3.0	5
2	Characterization of the In Vitro and In Vivo Efficacy of Baloxavir Marboxil against H5 Highly Pathogenic Avian Influenza Virus Infection. Viruses, 2022, 14, 111.	3.3	6
3	Susceptibility of herons (family:<i>Ardeidae</i>) to clade 2.3.2.1 H5N1 subtype high pathogenicity avian influenza virus. Avian Pathology, 2022, 51, 146-153.	2.0	1
4	Risk profile of low pathogenicity avian influenza virus infections in farms in southern Vietnam. Journal of Veterinary Medical Science, 2022, , .	0.9	1
5	The clinically used serine protease inhibitor nafamostat reduces influenza virus replication and cytokine production in human airway epithelial cells and viral replication in mice. Journal of Medical Virology, 2021, 93, 3484-3495.	5.0	8
6	Efficacy of a Cap-Dependent Endonuclease Inhibitor and Neuraminidase Inhibitors against H7N9 Highly Pathogenic Avian Influenza Virus Causing Severe Viral Pneumonia in Cynomolgus Macaques. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	2
7	A New Variant among Newcastle Disease Viruses Isolated in the Democratic Republic of the Congo in 2018 and 2019. Viruses, 2021, 13, 151.	3.3	7
8	Establishment of a mouse- and egg-adapted strain for the evaluation of vaccine potency against H3N2 variant influenza virus in mice. Journal of Veterinary Medical Science, 2021, 83, 1694-1701.	0.9	0
9	N-Glycolylneuraminic Acid in Animal Models for Human Influenza A Virus. Viruses, 2021, 13, 815.	3.3	12
10	Sulfated glycans containing NeuAcÎ±2-3Gal facilitate the propagation of human H1N1 influenza A viruses in eggs. Virology, 2021, 562, 29-39.	2.4	7
11	Dynamics of invasion and dissemination of H5N6 highly pathogenic avian influenza viruses in 2016â€“2017 winter in Japan. Journal of Veterinary Medical Science, 2021, 83, 1891-1898.	0.9	2
12	Spatiotemporal and risk analysis of H5 highly pathogenic avian influenza in Vietnam, 2014â€“2017. Preventive Veterinary Medicine, 2020, 178, 104678.	1.9	11
13	Molecular, antigenic, and pathogenic characterization of H5N8 highly pathogenic avian influenza viruses isolated in the Democratic Republic of Congo in 2017. Archives of Virology, 2020, 165, 87-96.	2.1	4
14	A cloned classical swine fever virus derived from the vaccine strain GPEâˆ’ causes cytopathic effect in CPK-NS cells via type-I interferon-dependent necroptosis. Virus Research, 2020, 276, 197809.	2.2	6
15	Genetic and antigenic characterization of the first H7N7 low pathogenic avian influenza viruses isolated in Vietnam. Infection, Genetics and Evolution, 2020, 78, 104117.	2.3	7
16	Data mining and model-predicting a global disease reservoir for low-pathogenic Avian Influenza (AI) in the wider pacific rim using big data sets. Scientific Reports, 2020, 10, 16817.	3.3	24
17	Potency of an Inactivated Influenza Vaccine against a Challenge with A/Swine/Missouri/A01727926/2015 (H4N6) in Mice for Pandemic Preparedness. Vaccines, 2020, 8, 768.	4.4	3
18	Evaluation of Baloxavir Marboxil and Peramivir for the Treatment of High Pathogenicity Avian Influenza in Chickens. Viruses, 2020, 12, 1407.	3.3	4

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19	Genetic and antigenic characterization of H5 and H7 avian influenza viruses isolated from migratory waterfowl in Mongolia from 2017 to 2019. Virus Genes, 2020, 56, 472-479.	1.6	4
20	Development of a High-Throughput Serum Neutralization Test Using Recombinant Pestiviruses Possessing a Small Reporter Tag. Pathogens, 2020, 9, 188.	2.8	9
21	Oral Supplementation of the Vitamin D Metabolite 25(OH)D3 Against Influenza Virus Infection in Mice. Nutrients, 2020, 12, 2000.	4.1	24
22	E190V substitution of H6 hemagglutinin is one of key factors for binding to sulfated sialylated glycan receptor and infection to chickens. Microbiology and Immunology, 2020, 64, 304-312.	1.4	10
23	Low replicative fitness of neuraminidase inhibitor-resistant H7N9 avian influenza a virus with R292K substitution in neuraminidase in cynomolgus macaques compared with I222T substitution. Antiviral Research, 2020, 178, 104790.	4.1	3
24	Efficacy of Neuraminidase Inhibitors against H5N6 Highly Pathogenic Avian Influenza Virus in a Nonhuman Primate Model. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	5
25	Broad and systemic immune-modulating capacity of plant-derived dsRNA. International Immunology, 2019, 31, 811-821.	4.0	1
26	<i>In Vivo</i> Dynamics of Reporter <i>Flaviviridae</i> Viruses. Journal of Virology, 2019, 93, .	3.4	22
27	Characterization of a novel reassortant H7N3 highly pathogenic avian influenza virus isolated from a poultry meat product taken on a passenger flight to Japan. Journal of Veterinary Medical Science, 2019, 81, 444-448.	0.9	10
28	N-Glycolylneuraminic Acid as a Receptor for Influenza A Viruses. Cell Reports, 2019, 27, 3284-3294.e6.	6.4	78
29	A systematic study towards evolutionary and epidemiological dynamics of currently predominant H5 highly pathogenic avian influenza viruses in Vietnam. Scientific Reports, 2019, 9, 7723.	3.3	15
30	The first isolation and identification of canine parvovirus (CPV) type 2c variants during 2016â€"2018 genetic surveillance of dogs in Mongolia. Infection, Genetics and Evolution, 2019, 73, 269-275.	2.3	11
31	Inhibition of avian-origin influenza A(H7N9) virus by the novel cap-dependent endonuclease inhibitor baloxavir marboxil. Scientific Reports, 2019, 9, 3466.	3.3	25
32	Evaluation of a rapid isothermal nucleic acid amplification kit, Alereâ„¢ i Influenza A&B, for the detection of avian influenza viruses. Journal of Virological Methods, 2019, 265, 121-125.	2.1	1
33	Infection of newly identified phleboviruses in ticks and wild animals in Hokkaido, Japan indicating tick-borne life cycles. Ticks and Tick-borne Diseases, 2019, 10, 328-335.	2.7	14
34	Lectin microarray analyses reveal host cell-specific glycan profiles of the hemagglutinins of influenza A viruses. Virology, 2019, 527, 132-140.	2.4	16
35	In vitro characterization of baloxavir acid, a first-in-class cap-dependent endonuclease inhibitor of the influenza virus polymerase PA subunit. Antiviral Research, 2018, 160, 109-117.	4.1	246
36	H13 influenza viruses in wild birds have undergone genetic and antigenic diversification in nature. Virus Genes, 2018, 54, 543-549.	1.6	5

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37	Repeated detection of H7N9 avian influenza viruses in raw poultry meat illegally brought to Japan by international flight passengers. Virology, 2018, 524, 10-17.	2.4	20
38	Therapeutic efficacy of peramivir against H5N1 highly pathogenic avian influenza viruses harboring the neuraminidase H275Y mutation. Antiviral Research, 2017, 139, 41-48.	4.1	6
39	Genetic and virulence characterization of classical swine fever viruses isolated in Mongolia from 2007 to 2015. Virus Genes, 2017, 53, 418-425.	1.6	11
40	Potency of whole virus particle and split virion vaccines using dissolving microneedle against challenges of H1N1 and H5N1 influenza viruses in mice. Vaccine, 2017, 35, 2855-2861.	3.8	20
41	Antigenic diversity of H5 highly pathogenic avian influenza viruses of clade 2.3.4.4 isolated in Asia. Microbiology and Immunology, 2017, 61, 149-158.	1.4	20
42	Selection of antigenic variants of an H5N1 highly pathogenic avian influenza virus in vaccinated chickens. Virology, 2017, 510, 252-261.	2.4	9
43	Rapid and broad detection of H5 hemagglutinin by an immunochromatographic kit using novel monoclonal antibody against highly pathogenic avian influenza virus belonging to the genetic clade 2.3.4.4. PLoS ONE, 2017, 12, e0182228.	2.5	9
44	Potency of an inactivated influenza vaccine prepared from A/duck/Hokkaido/162/2013 (H2N1) against a challenge with A/swine/Missouri/2124514/2006 (H2N3) in mice. Journal of Veterinary Medical Science, 2017, 79, 1815-1821.	0.9	2
45	Vaccination against H9N2 avian influenza virus reduces bronchusâ€associated lymphoid tissue formation in cynomolgus macaques after intranasal virus challenge infection. Pathology International, 2016, 66, 678-686.	1.3	4
46	Is the optimal pH for membrane fusion in host cells by avian influenza viruses related to host range and pathogenicity?. Archives of Virology, 2016, 161, 2235-2242.	2.1	7
47	Recent developments in the diagnosis of avian influenza. Veterinary Journal, 2016, 215, 82-86.	1.7	17
48	Genetic and antigenic characterization of H5, H6 and H9 avian influenza viruses circulating in live bird markets with intervention in the center part of Vietnam. Veterinary Microbiology, 2016, 192, 194-203.	1.9	43
49	Complete Genome Sequence of the Avian Paramyxovirus Serotype 5 Strain APMV-5/budgerigar/Japan/TI/75. Genome Announcements, 2016, 4, .	0.8	2
50	Experimental infection of highly and low pathogenic avian influenza viruses to chickens, ducks, tree sparrows, jungle crows, and black rats for the evaluation of their roles in virus transmission. Veterinary Microbiology, 2016, 182, 108-115.	1.9	26
51	Comparison of pathogenicities of H7 avian influenza viruses via intranasal and conjunctival inoculation in cynomolgus macaques. Virology, 2016, 493, 31-38.	2.4	8
52	Amino acid residues at positions 222 and 227 of the hemagglutinin together with the neuraminidase determine binding of H5 avian influenza viruses to sialyl Lewis X. Archives of Virology, 2016, 161, 307-316.	2.1	38
53	Analysis of a pair of END⁺ and END^{âˆ’} viruses derived from the same bovine viral diarrhea virus stock reveals the amino acid determinants in N^{pro} responsible for inhibition of type I interferon production. Journal of Veterinary Medical Science, 2015, 77, 511-518.	0.9	11
54	Fluorescent Immunochromatography for Rapid and Sensitive Typing of Seasonal Influenza Viruses. PLoS ONE, 2015, 10, e0116715.	2.5	22

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55	A Single Amino Acid in the M1 Protein Responsible for the Different Pathogenic Potentials of H5N1 Highly Pathogenic Avian Influenza Virus Strains. PLoS ONE, 2015, 10, e0137989.	2.5	38
56	Genetic and antigenic characterization of H5 and H7 influenza viruses isolated from migratory water birds in Hokkaido, Japan and Mongolia from 2010 to 2014. Virus Genes, 2015, 51, 57-68.	1.6	20
57	Intracellular membrane association of the N-terminal domain of classical swine fever virus NS4B determines viral genome replication and virulence. Journal of General Virology, 2015, 96, 2623-2635.	2.9	13
58	Emergence of H7N9 Influenza A Virus Resistant to Neuraminidase Inhibitors in Nonhuman Primates. Antimicrobial Agents and Chemotherapy, 2015, 59, 4962-4973.	3.2	41
59	The N-terminal domain of Npro of classical swine fever virus determines its stability and regulates type I IFN production. Journal of General Virology, 2015, 96, 1746-1756.	2.9	13
60	Protective Efficacy of Passive Immunization with Monoclonal Antibodies in Animal Models of H5N1 Highly Pathogenic Avian Influenza Virus Infection. PLoS Pathogens, 2014, 10, e1004192.	4.7	25
61	A chicken influenza virus recognizes fucosylated Î±2,3 sialoglycan receptors on the epithelial cells lining upper respiratory tracts of chickens. Virology, 2014, 456-457, 131-138.	2.4	35
62	Potency of an inactivated influenza vaccine prepared from A/duck/Mongolia/119/2008 (H7N9) against the challenge with A/Anhui/1/2013 (H7N9). Vaccine, 2014, 32, 3473-3479.	3.8	17
63	Neuraminidase gene homology contributes to the protective activity of influenza vaccines prepared from the influenza virus library. Journal of General Virology, 2014, 95, 2365-2371.	2.9	1
64	Potency of a vaccine prepared from A/swine/Hokkaido/2/1981 (H1N1) against A/Narita/1/2009 (H1N1) pandemic influenza virus strain. Virology Journal, 2013, 10, 47.	3.4	7
65	The genetic and antigenic diversity of avian influenza viruses isolated from domestic ducks, muscovy ducks, and chickens in northern and southern Vietnam, 2010â€"2012. Virus Genes, 2013, 47, 317-329.	1.6	40
66	Fluorescence polarization-based assay using N-glycan-conjugated quantum dots for screening in hemagglutinin blockers for influenza A viruses. Journal of Virological Methods, 2013, 187, 390-394.	2.1	11
67	Protection against H5N1 Highly Pathogenic Avian and Pandemic (H1N1) 2009 Influenza Virus Infection in Cynomolgus Monkeys by an Inactivated H5N1 Whole Particle Vaccine. PLoS ONE, 2013, 8, e82740.	2.5	22
68	Selection of Classical Swine Fever Virus with Enhanced Pathogenicity Reveals Synergistic Virulence Determinants in E2 and NS4B. Journal of Virology, 2012, 86, 8602-8613.	3.4	58
69	Reintroduction of H5N1 highly pathogenic avian influenza virus by migratory water birds, causing poultry outbreaks in the 2010â€"2011 winter season in Japan. Journal of General Virology, 2012, 93, 541-550.	2.9	97
70	Effects of Disinfectant Containing Glutaraldehyde Against Avian Influenza Virus. Nippon Juishikai Zasshi Journal of the Japan Veterinary Medical Association, 2012, 65, 303-305.	0.1	1
71	Antigenic, genetic, and pathogenic characterization of H5N1 highly pathogenic avian influenza viruses isolated from dead whooper swans (Cygnus cygnus) found in northern Japan in 2008. Virus Genes, 2010, 41, 351-357.	1.6	24
72	Characterization of H5N1 highly pathogenic avian influenza virus strains isolated from migratory waterfowl in Mongolia on the way back from the southern Asia to their northern territory. Virology, 2010, 406, 88-94.	2.4	77

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73	Antigenic structure of the hemagglutinin of H9N2 influenza viruses. Archives of Virology, 2008, 153, 2189-95.	2.1	44