Shawn Babiuk

List of Publications by Year in descending order

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57 papers	1,333 citations	304743 22 h-index	377865 34 g-index
60 all docs	60 docs citations	60 times ranked	1569 citing authors

#	Article	IF	Citations
1	Susceptibility of Canada Geese (Branta canadensis) to Highly Pathogenic Avian Influenza Virus (H5N1). Emerging Infectious Diseases, 2007, 13, 1821-1827.	4.3	78
2	Peste des Petits Ruminants Virus Tissue Tropism and Pathogenesis in Sheep and Goats following Experimental Infection. PLoS ONE, 2014, 9, e87145.	2.5	78
3	Yemen and Vietnam capripoxviruses demonstrate a distinct host preference for goats compared with sheep. Journal of General Virology, 2009, 90, 105-114.	2.9	70
4	Development of a Loop-Mediated Isothermal Amplification Assay for Rapid Detection of Capripoxviruses. Journal of Clinical Microbiology, 2012, 50, 1613-1620.	3.9	65
5	Experimental Infection of Pigs with the Human 1918 Pandemic Influenza Virus. Journal of Virology, 2009, 83, 4287-4296.	3.4	56
6	Subcutaneous and intranasal immunization with type III secreted proteins can prevent colonization and shedding of Escherichia coli O157:H7 in mice. Microbial Pathogenesis, 2008, 45, 7-11.	2.9	54
7	A glucose meter interface for point-of-care gene circuit-based diagnostics. Nature Communications, 2021, 12, 724.	12.8	54
8	Evaluation of an Ovine Testis Cell Line (OA3.Ts) for Propagation of Capripoxvirus Isolates and Development of an Immunostaining Technique for Viral Plaque Visualization. Journal of Veterinary Diagnostic Investigation, 2007, 19, 486-491.	1.1	53
9	Extended sequencing of vaccine and wildâ€type capripoxvirus isolates provides insights into genes modulating virulence and host range. Transboundary and Emerging Diseases, 2020, 67, 80-97.	3.0	52
10	DNA Delivery for Vaccination and Therapeutics Through the Skin. Current Drug Delivery, 2006, 3, 17-28.	1.6	39
11	A single DNA immunization in combination with electroporation prolongs the primary immune response and maintains immune memory for six months. Vaccine, 2007, 25, 5485-5494.	3.8	38
12	Comparative Analysis of Poxvirus Orthologues of the Vaccinia Virus E3 Protein: Modulation of Protein Kinase R Activity, Cytokine Responses, and Virus Pathogenicity. Journal of Virology, 2011, 85, 12280-12291.	3.4	38
13	A single HBsAg DNA vaccination in combination with electroporation elicits long-term antibody responses in sheep. Bioelectrochemistry, 2007, 70, 269-274.	4.6	37
14	Topical delivery of plasmid DNA using biphasic lipid vesicles (Biphasix). Journal of Pharmacy and Pharmacology, 2010, 54, 1609-1614.	2.4	37
15	Neonatal pigs are susceptible to experimental Zika virus infection. Emerging Microbes and Infections, 2017, 6, 1-4.	6.5	34
16	Capripoxvirus-vectored vaccines against livestock diseases in Africa. Antiviral Research, 2013, 98, 217-227.	4.1	33
17	A lumpy skin disease virus deficient of an IL-10 gene homologue provides protective immunity against virulent capripoxvirus challenge in sheep and goats. Antiviral Research, 2015, 123, 39-49.	4.1	33
18	Pentamers Not Found in the Universal Proteome Can Enhance Antigen Specific Immune Responses and Adjuvant Vaccines. PLoS ONE, 2012, 7, e43802.	2.5	28

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19	Demonstration of lumpy skin disease virus infection in Amblyomma hebraeum and Rhipicephalus appendiculatus ticks using immunohistochemistry. Ticks and Tick-borne Diseases, 2014, 5, 113-120.	2.7	28
20	Pandemic H1N1 influenza virus-like particles are immunogenic and provide protective immunity to pigs. Vaccine, 2012, 30, 1297-1304.	3.8	27
21	Validation of a competitive ELISA and a virus neutralization test for the detection and confirmation of antibodies to Senecavirus A in swine sera. Journal of Veterinary Diagnostic Investigation, 2017, 29, 250-253.	1.1	27
22	An elastase-dependent attenuated heterologous swine influenza virus protects against pandemic H1N1 2009 influenza challenge in swine. Vaccine, 2011, 29, 3118-3123.	3.8	25
23	Seroprevalence of Sheep and Goat Pox, Peste Des Petits Ruminants and Rift Valley Fever in Saudi Arabia. PLoS ONE, 2015, 10, e0140328.	2.5	25
24	Characterisation of putative immunomodulatory gene knockouts of lumpy skin disease virus in cattle towards an improved vaccine. Vaccine, 2018, 36, 4708-4715.	3.8	25
25	BoLA class I allele diversity and polymorphism in a herd of cattle. Immunogenetics, 2007, 59, 167-176.	2.4	22
26	An Eight-Segment Swine Influenza Virus Harboring H1 and H3 Hemagglutinins Is Attenuated and Protective against H1N1 and H3N2 Subtypes in Pigs. Journal of Virology, 2013, 87, 10114-10125.	3.4	22
27	Pathobiological Characterization of a Novel Reassortant Highly Pathogenic H5N1 Virus Isolated in British Columbia, Canada, 2015. Scientific Reports, 2016, 6, 23380.	3.3	22
28	Protection of Cattle Elicited Using a Bivalent Lumpy Skin Disease Virus-Vectored Recombinant Rift Valley Fever Vaccine. Frontiers in Veterinary Science, 2020, 7, 256.	2.2	22
29	Delivery of DNA Vaccines Using Electroporation. , 2006, 127, 73-82.		20
30	A lumpy skin disease virus which underwent a recombination event demonstrates more aggressive growth in primary cells and cattle than the classical field isolate. Transboundary and Emerging Diseases, 2021, 68, 1377-1383.	3.0	20
31	Potential of Using Capripoxvirus Vectored Vaccines Against Arboviruses in Sheep, Goats, and Cattle. Frontiers in Veterinary Science, 2019, 6, 450.	2.2	18
32	Colostrum transfer of neutralizing antibodies against lumpy skin disease virus from vaccinated cows to their calves. Transboundary and Emerging Diseases, 2018, 65, 2043-2048.	3.0	17
33	Performance of the currently available DIVA realâ€time PCR assays in classical and recombinant lumpy skin disease viruses. Transboundary and Emerging Diseases, 2021, 68, 3020-3024.	3.0	17
34	Susceptibility of turkeys, chickens and chicken embryos to SARSâ€CoVâ€2. Transboundary and Emerging Diseases, 2021, 68, 3038-3042.	3.0	12
35	Cytotoxic responses to BLV tax oncoprotein do not prevent leukemogenesis in sheep. Leukemia Research, 2010, 34, 1663-1669.	0.8	9
36	1918 and 2009 H1N1 influenza viruses are not pathogenic in birds. Journal of General Virology, 2010, 91, 339-342.	2.9	9

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37	Camelpox: Target for eradication?. Antiviral Research, 2011, 92, 164-166.	4.1	9
38	Fit-for-purpose curated database application in mass spectrometry-based targeted protein identification and validation. BMC Research Notes, 2014, 7, 444.	1.4	9
39	Increased Susceptibility of Cattle to Intranasal RVFV Infection. Frontiers in Veterinary Science, 2020, 7, 137.	2.2	8
40	Livestock Challenge Models of Rift Valley Fever for Agricultural Vaccine Testing. Frontiers in Veterinary Science, 2020, 7, 238.	2.2	7
41	Incursions of rabbit haemorrhagic disease virus 2 in Canadaâ€"Clinical, molecular and epidemiological investigation. Transboundary and Emerging Diseases, 2021, 68, 1711-1720.	3.0	7
42	H7N9 Influenza Virus Containing a Polybasic HA Cleavage Site Requires Minimal Host Adaptation to Obtain a Highly Pathogenic Disease Phenotype in Mice. Viruses, 2020, 12, 65.	3.3	7
43	Prior infection of chickens with H1N1 avian influenza virus elicits heterologous protection against highly pathogenic H5N2. Vaccine, 2012, 30, 7187-7192.	3.8	6
44	Modification of two capripoxvirus quantitative real-time PCR assays to improve diagnostic sensitivity and include beta-actin as an internal positive control. Journal of Veterinary Diagnostic Investigation, 2017, 29, 351-356.	1.1	6
45	Prior Infection of Chickens with H1N1 or H1N2 Avian Influenza Elicits Partial Heterologous Protection against Highly Pathogenic H5N1. PLoS ONE, 2012, 7, e51933.	2.5	6
46	Needle-Free Delivery of Veterinary DNA Vaccines. , 2006, 127, 91-106.		5
47	Susceptibility of Chicken Embryos, Sheep, Cattle, Pigs, and Chickens to Zika Virus Infection. Frontiers in Veterinary Science, 2020, 7, 23.	2.2	5
48	Generation of Recombinant Capripoxvirus Vectors for Vaccines and Gene Knockout Function Studies. Methods in Molecular Biology, 2016, 1349, 151-161.	0.9	4
49	Gemini nanoparticles as a co-delivery system for antigen – CpG oligodeoxynucleotide adjuvant combination. International Journal of Biomedical Nanoscience and Nanotechnology, 2010, 1, 290.	0.1	2
50	Treatment of Lumpy Skin Disease. , 2018, , 81-81.		2
51	A single dose vaccination with an elastase-dependent H1N1 live attenuated swine influenza virus protects pigs from challenge with 2009 pandemic H1N1 virus. Acta Veterinaria, 2014, 64, 10-23.	0.5	1
52	Development of multiplex realâ€time PCR assays for differential detection of capripoxvirus, parapoxvirus and footâ€andâ€mouth disease virus. Transboundary and Emerging Diseases, 2022, 69, 1326-1337.	3.0	1
53	Vaccines Against LSD and Vaccination Strategies. , 2018, , 85-93.		1
54	Sample Collection and Transport. , 2018, , 71-72.		1

#	Article	IF	Citations
55	Persistence and Stability of the Virus. , 2018, , 45-46.		0
56	Replication in a Host. , 2018, , 37-40.		0
57	Propagation of the Virus In Vitro. , 2018, , 41-44.		0