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	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
2	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
3	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
4	Susceptibility of turkeys, chickens and chicken embryos to SARSâ€CoVâ€2. Transboundary and Emerging Diseases, 2021, 68, 3038-3042.	3.0	12
5	A glucose meter interface for point-of-care gene circuit-based diagnostics. Nature Communications, 2021, 12, 724.	12.8	54
6	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
7	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
8	Increased Susceptibility of Cattle to Intranasal RVFV Infection. Frontiers in Veterinary Science, 2020, 7, 137.	2.2	8
9	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
10	Livestock Challenge Models of Rift Valley Fever for Agricultural Vaccine Testing. Frontiers in Veterinary Science, 2020, 7, 238.	2.2	7
11	Susceptibility of Chicken Embryos, Sheep, Cattle, Pigs, and Chickens to Zika Virus Infection. Frontiers in Veterinary Science, 2020, 7, 23.	2.2	5
12	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
13	Potential of Using Capripoxvirus Vectored Vaccines Against Arboviruses in Sheep, Goats, and Cattle. Frontiers in Veterinary Science, 2019, 6, 450.	2.2	18
14	Persistence and Stability of the Virus. , 2018, , 45-46.		0
15	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
16	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
17	Replication in a Host. , 2018, , 37-40.		0
18	Treatment of Lumpy Skin Disease. , 2018, , 81-81.		2

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19	Vaccines Against LSD and Vaccination Strategies. , 2018, , 85-93.		1
20	Propagation of the Virus In Vitro. , 2018, , 41-44.		0
21	Sample Collection and Transport. , 2018, , 71-72.		1
22	Neonatal pigs are susceptible to experimental Zika virus infection. Emerging Microbes and Infections, 2017, 6, 1-4.	6.5	34
23	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
24	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
25	Pathobiological Characterization of a Novel Reassortant Highly Pathogenic H5N1 Virus Isolated in British Columbia, Canada, 2015. Scientific Reports, 2016, 6, 23380.	3.3	22
26	Generation of Recombinant Capripoxvirus Vectors for Vaccines and Gene Knockout Function Studies. Methods in Molecular Biology, 2016, 1349, 151-161.	0.9	4
27	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
28	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
29	Peste des Petits Ruminants Virus Tissue Tropism and Pathogenesis in Sheep and Goats following Experimental Infection. PLoS ONE, 2014, 9, e87145.	2.5	78
30	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
31	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
32	Fit-for-purpose curated database application in mass spectrometry-based targeted protein identification and validation. BMC Research Notes, 2014, 7, 444.	1.4	9
33	Capripoxvirus-vectored vaccines against livestock diseases in Africa. Antiviral Research, 2013, 98, 217-227.	4.1	33
34	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
35	Development of a Loop-Mediated Isothermal Amplification Assay for Rapid Detection of Capripoxviruses. Journal of Clinical Microbiology, 2012, 50, 1613-1620.	3.9	65
36	Prior infection of chickens with H1N1 avian influenza virus elicits heterologous protection against highly pathogenic H5N2. Vaccine, 2012, 30, 7187-7192.	3.8	6

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37	Pandemic H1N1 influenza virus-like particles are immunogenic and provide protective immunity to pigs. Vaccine, 2012, 30, 1297-1304.	3.8	27
38	Pentamers Not Found in the Universal Proteome Can Enhance Antigen Specific Immune Responses and Adjuvant Vaccines. PLoS ONE, 2012, 7, e43802.	2.5	28
39	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
40	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
41	Camelpox: Target for eradication?. Antiviral Research, 2011, 92, 164-166.	4.1	9
42	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
43	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
44	Topical delivery of plasmid DNA using biphasic lipid vesicles (Biphasix). Journal of Pharmacy and Pharmacology, 2010, 54, 1609-1614.	2.4	37
45	Cytotoxic responses to BLV tax oncoprotein do not prevent leukemogenesis in sheep. Leukemia Research, 2010, 34, 1663-1669.	0.8	9
46	1918 and 2009 H1N1 influenza viruses are not pathogenic in birds. Journal of General Virology, 2010, 91, 339-342.	2.9	9
47	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
48	Experimental Infection of Pigs with the Human 1918 Pandemic Influenza Virus. Journal of Virology, 2009, 83, 4287-4296.	3.4	56
49	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
50	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
51	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
52	Susceptibility of Canada Geese (Branta canadensis) to Highly Pathogenic Avian Influenza Virus (H5N1). Emerging Infectious Diseases, 2007, 13, 1821-1827.	4.3	78
53	BoLA class I allele diversity and polymorphism in a herd of cattle. Immunogenetics, 2007, 59, 167-176.	2.4	22
54	A single HBsAg DNA vaccination in combination with electroporation elicits long-term antibody responses in sheep. Bioelectrochemistry, 2007, 70, 269-274.	4.6	37

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55	Delivery of DNA Vaccines Using Electroporation. , 2006, 127, 73-82.		20
56	Needle-Free Delivery of Veterinary DNA Vaccines. , 2006, 127, 91-106.		5
57	DNA Delivery for Vaccination and Therapeutics Through the Skin. Current Drug Delivery, 2006, 3, 17-28.	1.6	39