

Carl A Gagnon

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69
papers

1,389
citations

20
h-index

35
g-index

70
ext. papers

1,614
ext. citations

3.2
avg, IF

4.3
L-index

#	Paper	IF	Citations
69	The emergence of porcine circovirus 2b genotype (PCV-2b) in swine in Canada. <i>Canadian Veterinary Journal</i> , 2007 , 48, 811-9	0.5	115
68	The role of porcine reproductive and respiratory syndrome (PRRS) virus structural and non-structural proteins in virus pathogenesis. <i>Animal Health Research Reviews</i> , 2010 , 11, 135-63	2.1	105
67	Seroneutralization of porcine reproductive and respiratory syndrome virus correlates with antibody response to the GP5 major envelope glycoprotein. <i>Journal of Veterinary Diagnostic Investigation</i> , 1999 , 11, 20-6	1.5	105
66	Development and use of a multiplex real-time quantitative polymerase chain reaction assay for detection and differentiation of Porcine circovirus-2 genotypes 2a and 2b in an epidemiological survey. <i>Journal of Veterinary Diagnostic Investigation</i> , 2008 , 20, 545-58	1.5	83
65	The emergence of a new strain of porcine circovirus-2 in Ontario and Quebec swine and its association with severe porcine circovirus associated disease--2004-2006. <i>Canadian Journal of Veterinary Research</i> , 2008 , 72, 259-68		63
64	Impact of deoxynivalenol (DON) contaminated feed on intestinal integrity and immune response in swine. <i>Food and Chemical Toxicology</i> , 2015 , 80, 7-16	4.7	57
63	Emergence of a new type of porcine circovirus in swine (PCV): a type 1 and type 2 PCV recombinant. <i>Veterinary Microbiology</i> , 2010 , 144, 18-23	3.3	49
62	Emergence of a new swine H3N2 and pandemic (H1N1) 2009 influenza A virus reassortant in two Canadian animal populations, mink and swine. <i>Journal of Clinical Microbiology</i> , 2011 , 49, 4386-90	9.7	43
61	Coinfections and their molecular consequences in the porcine respiratory tract. <i>Veterinary Research</i> , 2020 , 51, 80	3.8	42
60	A subset of porcine reproductive and respiratory syndrome virus GP3 glycoprotein is released into the culture medium of cells as a non-virion-associated and membrane-free (soluble) form. <i>Journal of Virology</i> , 1998 , 72, 6298-306	6.6	42
59	Porcine reproductive and respiratory syndrome virus diversity of Eastern Canada swine herds in a large sequence dataset reveals two hypervariable regions under positive selection. <i>Infection, Genetics and Evolution</i> , 2012 , 12, 1111-9	4.5	40
58	Capsular sialic acid of <i>Streptococcus suis</i> serotype 2 binds to swine influenza virus and enhances bacterial interactions with virus-infected tracheal epithelial cells. <i>Infection and Immunity</i> , 2013 , 81, 4498-508	3.7	40
57	Characterization of a Canadian mink H3N2 influenza A virus isolate genetically related to triple reassortant swine influenza virus. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 796-9	9.7	40
56	Airborne porcine circovirus in Canadian swine confinement buildings. <i>Veterinary Microbiology</i> , 2010 , 141, 224-30	3.3	38
55	The spread of type 2 Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) in North America: a phylogeographic approach. <i>Virology</i> , 2013 , 447, 146-54	3.6	36
54	Porcine reproductive and respiratory syndrome virus (PRRSV)-specific mAbs: supporting diagnostics and providing new insights into the antigenic properties of the virus. <i>Veterinary Immunology and Immunopathology</i> , 2011 , 141, 246-57	2	36
53	Identification of a new cell line permissive to porcine reproductive and respiratory syndrome virus infection and replication which is phenotypically distinct from MARC-145 cell line. <i>Virology Journal</i> , 2012 , 9, 267	6.1	31

52	Potential use of a recombinant replication-defective adenovirus vector carrying the C-terminal portion of the P97 adhesin protein as a vaccine against <i>Mycoplasma hyopneumoniae</i> in swine. <i>Vaccine</i> , 2010 , 28, 4802-9	4.1	27
51	Alternative codon usage of PRRS virus ORF5 gene increases eucaryotic expression of GP(5) glycoprotein and improves immune response in challenged pigs. <i>Vaccine</i> , 2005 , 23, 4016-22	4.1	24
50	Genetic diversity of <i>Mycoplasma hyopneumoniae</i> isolates of abattoir pigs. <i>Veterinary Microbiology</i> , 2014 , 168, 348-56	3.3	23
49	Investigation of the species origin of the St. Jude Porcine Lung epithelial cell line (SJPL) made available to researchers. <i>Journal of Virology</i> , 2010 , 84, 5454-5	6.6	20
48	Transcriptional Analysis of PRRSV-Infected Porcine Dendritic Cell Response to <i>Streptococcus suis</i> Infection Reveals Up-Regulation of Inflammatory-Related Genes Expression. <i>PLoS ONE</i> , 2016 , 11, e0156019	3.7	20
47	Deoxynivalenol (DON) naturally contaminated feed impairs the immune response induced by porcine reproductive and respiratory syndrome virus (PRRSV) live attenuated vaccine. <i>Vaccine</i> , 2015 , 33, 3881-6	4.1	19
46	<i>Actinobacillus pleuropneumoniae</i> possesses an antiviral activity against porcine reproductive and respiratory syndrome virus. <i>PLoS ONE</i> , 2014 , 9, e98434	3.7	19
45	Effect of deoxynivalenol (DON) mycotoxin on in vivo and in vitro porcine circovirus type 2 infections. <i>Veterinary Microbiology</i> , 2015 , 176, 257-67	3.3	18
44	Transcriptional approach to study porcine tracheal epithelial cells individually or dually infected with swine influenza virus and <i>Streptococcus suis</i> . <i>BMC Veterinary Research</i> , 2014 , 10, 86	2.7	17
43	Immunogenic and protective properties of GP5 and M structural proteins of porcine reproductive and respiratory syndrome virus expressed from replicating but non-disseminating adenovectors. <i>Veterinary Research</i> , 2013 , 44, 17	3.8	17
42	Identification of a novel herpesvirus associated with a penile proliferative lesion in a beluga (<i>Delphinapterus leucas</i>). <i>Journal of Wildlife Diseases</i> , 2015 , 51, 244-9	1.3	16
41	Identification of a novel herpesvirus associated with cutaneous ulcers in a fisher (<i>Martes pennanti</i>). <i>Journal of Veterinary Diagnostic Investigation</i> , 2011 , 23, 986-90	1.5	16
40	Eucaryotic expression of the nucleocapsid protein gene of porcine circovirus type 2 and use of the protein in an indirect immunofluorescence assay for serological diagnosis of postweaning multisystemic wasting syndrome in pigs. <i>Vaccine Journal</i> , 2004 , 11, 736-41		14
39	In vitro effect of deoxynivalenol (DON) mycotoxin on porcine reproductive and respiratory syndrome virus replication. <i>Food and Chemical Toxicology</i> , 2014 , 65, 219-26	4.7	13
38	In vivo effect of deoxynivalenol (DON) naturally contaminated feed on porcine reproductive and respiratory syndrome virus (PRRSV) infection. <i>Veterinary Microbiology</i> , 2014 , 174, 419-426	3.3	13
37	Antibody responses induced in mice immunized with recombinant adenovectors expressing chimeric proteins of various porcine pathogens. <i>Vaccine</i> , 2013 , 31, 2698-704	4.1	12
36	HERPESVIRUSES INCLUDING NOVEL GAMMAHERPESVIRUSES ARE WIDESPREAD AMONG PHOCID SEAL SPECIES IN CANADA. <i>Journal of Wildlife Diseases</i> , 2016 , 52, 70-81	1.3	9
35	Propidium monoazide (PMA) and ethidium bromide monoazide (EMA) improve DNA array and high-throughput sequencing of porcine reproductive and respiratory syndrome virus identification. <i>Journal of Virological Methods</i> , 2015 , 222, 182-91	2.6	8

34	Impact of <i>Actinobacillus pleuropneumoniae</i> biofilm mode of growth on the lipid A structures and stimulation of immune cells. <i>Innate Immunity</i> , 2016 , 22, 353-62	2.7	8
33	Esophagitis and Pharyngitis Associated with Avian Infectious Laryngotracheitis in Backyard Chickens: Two Cases. <i>Avian Diseases</i> , 2017 , 61, 255-260	1.6	8
32	Efficacy of Fosterera PRRS modified live virus vaccine against a Canadian heterologous virulent field strain of porcine reproductive and respiratory syndrome virus. <i>Canadian Journal of Veterinary Research</i> , 2016 , 80, 1-11	0.5	7
31	Chicken Astrovirus (CAstV) Molecular Studies Reveal Evidence of Multiple Past Recombination Events in Sequences Originated from Clinical Samples of White Chick Syndrome (WCS) in Western Canada. <i>Viruses</i> , 2020 , 12,	6.2	7
30	Dual infections of CD163 expressing NPTr epithelial cells with influenza A virus and PRRSV. <i>Veterinary Microbiology</i> , 2017 , 207, 143-148	3.3	6
29	Quebec: Detection of bovine lymphotropic herpesvirus DNA in tissues of a bovine aborted fetus. <i>Canadian Veterinary Journal</i> , 2010 , 51, 1021-2	0.5	6
28	Whole-Genome Sequencing of Porcine Reproductive and Respiratory Syndrome Virus from Field Clinical Samples Improves the Genomic Surveillance of the Virus. <i>Journal of Clinical Microbiology</i> , 2020 , 58,	9.7	6
27	<i>Actinobacillus pleuropneumoniae</i> induces SJPL cell cycle arrest in G2/M-phase and inhibits porcine reproductive and respiratory syndrome virus replication. <i>Virology Journal</i> , 2015 , 12, 188	6.1	5
26	Exposure of feral swine (<i>Sus scrofa</i>) in the United States to selected pathogens. <i>Canadian Journal of Veterinary Research</i> , 2015 , 79, 74-8	0.5	5
25	Analysis of Whole-Genome Sequences of Infectious laryngotracheitis Virus Isolates from Poultry Flocks in Canada: Evidence of Recombination. <i>Viruses</i> , 2020 , 12,	6.2	5
24	Bird Species Involved in West Nile Virus Epidemiological Cycle in Southern Québec. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	4
23	Whole Genome Sequencing of a Canadian Bovine Gammaherpesvirus 4 Strain and the Possible Link between the Viral Infection and Respiratory and Reproductive Clinical Manifestations in Dairy Cattle. <i>Frontiers in Veterinary Science</i> , 2017 , 4, 92	3.1	4
22	Postvaccinal reovirus infection with high mortality in breeder chicks. <i>Avian Diseases</i> , 2014 , 58, 659-65	1.6	4
21	Genetic relatedness of recent Canadian equine influenza virus isolates with vaccine strains used in the field. <i>Canadian Veterinary Journal</i> , 2007 , 48, 1028-30	0.5	4
20	Canada: First report of a bovine pathogen, in the respiratory tract of swine in Canada. <i>Canadian Veterinary Journal</i> , 2018 , 59, 1333-1337	0.5	4
19	<i>Actinobacillus pleuropneumoniae</i> culture supernatant antiviral effect against porcine reproductive and respiratory syndrome virus occurs prior to the viral genome replication and transcription through actin depolymerization. <i>Journal of Medical Microbiology</i> , 2018 , 67, 249-264	3.2	4
18	Genotyping of Infectious Laryngotracheitis Virus (ILT) Isolates from Western Canadian Provinces of Alberta and British Columbia Based on Partial Open Reading Frame (ORF) a and b. <i>Animals</i> , 2020 , 10,	3.1	4
17	Porcine reproductive and respiratory syndrome virus whole-genome sequencing efficacy with field clinical samples using a poly(A)-tail viral genome purification method. <i>Journal of Veterinary Diagnostic Investigation</i> , 2021 , 33, 216-226	1.5	4

16	WHOLE GENOME SEQUENCING OF AN AVIPOXVIRUS ASSOCIATED WITH INFECTIONS IN A GROUP OF AVIARY-HOUSED SNOW BUNTINGS (). <i>Journal of Zoo and Wildlife Medicine</i> , 2020 , 50, 803-812	0.9	3
15	High-throughput sequencing revealed the presence of an unforeseen parvovirus species in Canadian swine: the porcine partetravirus. <i>Canadian Veterinary Journal</i> , 2013 , 54, 787-9	0.5	3
14	systemic infection in a domestic fiery-shouldered conure bird (). <i>JMM Case Reports</i> , 2018 , 5, e005158	0.5	3
13	Pathogenic and Transmission Potential of Wildtype and Chicken Embryo Origin (CEO) Vaccine Revertant Infectious Laryngotracheitis Virus. <i>Viruses</i> , 2021 , 13,	6.2	3
12	Epidemiological study of Coxiella burnetii in dairy cattle and small ruminants in QuBec, Canada. <i>Preventive Veterinary Medicine</i> , 2021 , 191, 105365	3.1	3
11	Evaluation of Recombinant Herpesvirus of Turkey Laryngotracheitis (rHVT-LT) Vaccine against Genotype VI Canadian Wild-Type Infectious Laryngotracheitis Virus (ILTV) Infection.. <i>Vaccines</i> , 2021 , 9,	5.3	2
10	Unusual central nervous system lesions in slaughter-weight pigs with porcine circovirus type 2 systemic infection. <i>Canadian Veterinary Journal</i> , 2011 , 52, 394-7	0.5	1
9	First reported outbreak of Duck adenovirus A tracheobronchitis in 3-week-old ducklings in QuBec including whole genome sequence of the virus. <i>Canadian Veterinary Journal</i> , 2019 , 60, 1285-1288 ^{0.5}	0.5	1
8	Whole genome sequencing of methicillin-resistant and methicillin-sensitive isolated from 4 horses in a veterinary teaching hospital and its ambulatory service. <i>Canadian Journal of Veterinary Research</i> , 2021 , 85, 218-223	0.5	1
7	Distinct miRNA Profile of Cellular and Extracellular Vesicles Released from Chicken Tracheal Cells Following Avian Influenza Virus Infection. <i>Vaccines</i> , 2020 , 8,	5.3	1
6	Comparison of Primary Virus Isolation in Pulmonary Alveolar Macrophages and Four Different Continuous Cell Lines for Type 1 and Type 2 Porcine Reproductive and Respiratory Syndrome Virus. <i>Vaccines</i> , 2021 , 9,	5.3	1
5	Prevalence of shedding and antibody to Coxiella burnetii in post-partum dairy cows and its association with reproductive tract diseases and performance: A pilot study. <i>Preventive Veterinary Medicine</i> , 2021 , 186, 105231	3.1	1
4	Coding-Complete Genome Sequence of a Strain Associated with Necrotizing Hepatitis in an American Kestrel (). <i>Microbiology Resource Announcements</i> , 2022 , e0000922	1.3	1
3	Untargeted and targeted metabolomics reveal that adenosine nucleotides released in Actinobacillus pleuropneumoniae supernatant inhibit porcine reproductive and respiratory syndrome virus replication.. <i>Talanta</i> , 2022 , 242, 123315	6.2	
2	Biochemical properties and processing of the three major structural proteins of PRRS virus expressed by recombinant adenoviruses. Structural, functional and community aspects. <i>Advances in Experimental Medicine and Biology</i> , 2001 , 494, 225-31	3.6	
1	Quebec: Avian pathogens identification and genomic characterization: 2021 annual review of the Molecular Diagnostic Laboratory, UniversitDe MontrBl.. <i>Canadian Veterinary Journal</i> , 2022 , 63, 486-490 ^{0.5}	0.5	