Carl A Gagnon

List of Publications by Year in Descending Order

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	Untargeted and targeted metabolomics reveal that adenosine nucleotides released in Actinobacillus pleuropneumoniae supernatant inhibit porcine reproductive and respiratory syndrome virus replication.. *Talanta*, **2022**, 242, 123315	6.2	
68	Coding-Complete Genome Sequence of a Strain Associated with Necrotizing Hepatitis in an American Kestrel ().. *Microbiology Resource Announcements*, **2022**, e0000922	1.3	1
67	Quebec: Avian pathogens identification and genomic characterization: 2021 annual review of the Molecular Diagnostic Laboratory, Universit□de Montr□l.. *Canadian Veterinary Journal*, **2022**, 63, 486-490	0.5	
66	Whole genome sequencing of methicillin-resistant and methicillin-sensitive isolated from 4 horses in a veterinary teaching hospital and its ambulatory service. *Canadian Journal of Veterinary Research* , **2021**, 85, 218-223	0.5	1
65	Pathogenic and Transmission Potential of Wildtype and Chicken Embryo Origin (CEO) Vaccine Revertant Infectious Laryngotracheitis Virus. *Viruses*, **2021**, 13,	6.2	3
64	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. *Vaccines*, **2021**, 9,	5.3	1
63	Epidemiological study of Coxiella burnetii in dairy cattle and small ruminants in Qu□bec, Canada. *Preventive Veterinary Medicine*, **2021**, 191, 105365	3.1	3
62	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. *Preventive Veterinary Medicine*, **2021**, 186, 105231	3.1	1
61	Porcine reproductive and respiratory syndrome virus whole-genome sequencing efficacy with field clinical samples using a poly(A)-tail viral genome purification method. *Journal of Veterinary Diagnostic Investigation*, **2021**, 33, 216-226	1.5	4
60	Evaluation of Recombinant Herpesvirus of Turkey Laryngotracheitis (rHVT-LT) Vaccine against Genotype VI Canadian Wild-Type Infectious Laryngotracheitis Virus (ILTV) Infection.. *Vaccines*, **2021**, 9,	5.3	2
59	Coinfections and their molecular consequences in the porcine respiratory tract. *Veterinary Research* , **2020**, 51, 80	3.8	42
58	Bird Species Involved in West Nile Virus Epidemiological Cycle in Southern Qu□bec. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	4
57	WHOLE GENOME SEQUENCING OF AN AVIPOXVIRUS ASSOCIATED WITH INFECTIONS IN A GROUP OF AVIARY-HOUSED SNOW BUNTINGS (). *Journal of Zoo and Wildlife Medicine*, **2020**, 50, 803-812	0.9	3
56	Genotyping of Infectious Laryngotracheitis Virus (ILTV) Isolates from Western Canadian Provinces of Alberta and British Columbia Based on Partial Open Reading Frame (ORF) a and b. *Animals*, **2020**, 10,	3.1	4
55	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. *Viruses*, **2020**, 12,	6.2	7
54	Analysis of Whole-Genome Sequences of Infectious laryngotracheitis Virus Isolates from Poultry Flocks in Canada: Evidence of Recombination. *Viruses*, **2020**, 12,	6.2	5
53	Distinct miRNA Profile of Cellular and Extracellular Vesicles Released from Chicken Tracheal Cells Following Avian Influenza Virus Infection. *Vaccines*, **2020**, 8,	5.3	1

52	Whole-Genome Sequencing of Porcine Reproductive and Respiratory Syndrome Virus from Field Clinical Samples Improves the Genomic Surveillance of the Virus. *Journal of Clinical Microbiology*, **2020**, 58,	9.7	6
51	First reported outbreak of Duck atadenovirus A tracheobronchitis in 3-week-old ducklings in QuÞec including whole genome sequence of the virus. *Canadian Veterinary Journal*, **2019**, 60, 1285-1288	0.5	1
50	Canada: First report of a bovine pathogen, in the respiratory tract of swine in Canada. *Canadian Veterinary Journal*, **2018**, 59, 1333-1337	0.5	4
49	Actinobacillus pleuropneumoniae culture supernatant antiviral effect against porcine reproductive and respiratory syndrome virus occurs prior to the viral genome replication and transcription through actin depolymerization. *Journal of Medical Microbiology*, **2018**, 67, 249-264	3.2	4
48	systemic infection in a domestic fiery-shouldered conure bird (). *JMM Case Reports*, **2018**, 5, e005158	0.5	3
47	Dual infections of CD163 expressing NPTr epithelial cells with influenza A virus and PRRSV. *Veterinary Microbiology*, **2017**, 207, 143-148	3.3	6
46	Esophagitis and Pharyngitis Associated with Avian Infectious Laryngotracheitis in Backyard Chickens: Two Cases. *Avian Diseases*, **2017**, 61, 255-260	1.6	8
45	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. *Frontiers in Veterinary Science*, **2017**, 4, 92	3.1	4
44	Impact of Actinobacillus pleuropneumoniae biofilm mode of growth on the lipid A structures and stimulation of immune cells. *Innate Immunity*, **2016**, 22, 353-62	2.7	8
43	HERPESVIRUSES INCLUDING NOVEL GAMMAHERPESVIRUSES ARE WIDESPREAD AMONG PHOCID SEAL SPECIES IN CANADA. *Journal of Wildlife Diseases*, **2016**, 52, 70-81	1.3	9
42	Efficacy of Fostera PRRS modified live virus vaccine against a Canadian heterologous virulent field strain of porcine reproductive and respiratory syndrome virus. *Canadian Journal of Veterinary Research*, **2016**, 80, 1-11	0.5	7
41	Transcriptional Analysis of PRRSV-Infected Porcine Dendritic Cell Response to Streptococcus suis Infection Reveals Up-Regulation of Inflammatory-Related Genes Expression. *PLoS ONE*, **2016**, 11, e0156019	3.7	20
40	Effect of deoxynivalenol (DON) mycotoxin on in vivo and in vitro porcine circovirus type 2 infections. *Veterinary Microbiology*, **2015**, 176, 257-67	3.3	18
39	Propidium monoazide (PMA) and ethidium bromide monoazide (EMA) improve DNA array and high-throughput sequencing of porcine reproductive and respiratory syndrome virus identification. *Journal of Virological Methods*, **2015**, 222, 182-91	2.6	8
38	Deoxynivalenol (DON) naturally contaminated feed impairs the immune response induced by porcine reproductive and respiratory syndrome virus (PRRSV) live attenuated vaccine. *Vaccine*, **2015**, 33, 3881-6	4.1	19
37	Impact of deoxynivalenol (DON) contaminated feed on intestinal integrity and immune response in swine. *Food and Chemical Toxicology*, **2015**, 80, 7-16	4.7	57
36	Identification of a novel herpesvirus associated with a penile proliferative lesion in a beluga (Delphinapterus leucas). *Journal of Wildlife Diseases*, **2015**, 51, 244-9	1.3	16
35	Actinobacillus pleuropneumoniae induces SJPL cell cycle arrest in G2/M-phase and inhibits porcine reproductive and respiratory syndrome virus replication. *Virology Journal*, **2015**, 12, 188	6.1	5

34	Exposure of feral swine (Sus scrofa) in the United States to selected pathogens. *Canadian Journal of Veterinary Research*, **2015**, 79, 74-8	0.5	5
33	Transcriptional approach to study porcine tracheal epithelial cells individually or dually infected with swine influenza virus and Streptococcus suis. *BMC Veterinary Research*, **2014**, 10, 86	2.7	17
32	In vitro effect of deoxynivalenol (DON) mycotoxin on porcine reproductive and respiratory syndrome virus replication. *Food and Chemical Toxicology*, **2014**, 65, 219-26	4.7	13
31	Genetic diversity of Mycoplasma hyopneumoniae isolates of abattoir pigs. *Veterinary Microbiology*, **2014**, 168, 348-56	3.3	23
30	In vivo effect of deoxynivalenol (DON) naturally contaminated feed on porcine reproductive and respiratory syndrome virus (PRRSV) infection. *Veterinary Microbiology*, **2014**, 174, 419-426	3.3	13
29	Postvaccinal reovirus infection with high mortality in breeder chicks. *Avian Diseases*, **2014**, 58, 659-65	1.6	4
28	Actinobacillus pleuropneumoniae possesses an antiviral activity against porcine reproductive and respiratory syndrome virus. *PLoS ONE*, **2014**, 9, e98434	3.7	19
27	Immunogenic and protective properties of GP5 and M structural proteins of porcine reproductive and respiratory syndrome virus expressed from replicating but nondisseminating adenovectors. *Veterinary Research*, **2013**, 44, 17	3.8	17
26	The spread of type 2 Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) in North America: a phylogeographic approach. *Virology*, **2013**, 447, 146-54	3.6	36
25	Antibody responses induced in mice immunized with recombinant adenovectors expressing chimeric proteins of various porcine pathogens. *Vaccine*, **2013**, 31, 2698-704	4.1	12
24	Capsular sialic acid of Streptococcus suis serotype 2 binds to swine influenza virus and enhances bacterial interactions with virus-infected tracheal epithelial cells. *Infection and Immunity*, **2013**, 81, 4498-508	3.7	40
23	High-throughput sequencing revealed the presence of an unforeseen parvovirus species in Canadian swine: the porcine partetravirus. *Canadian Veterinary Journal*, **2013**, 54, 787-9	0.5	3
22	Porcine reproductive and respiratory syndrome virus diversity of Eastern Canada swine herds in a large sequence dataset reveals two hypervariable regions under positive selection. *Infection, Genetics and Evolution*, **2012**, 12, 1111-9	4.5	40
21	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. *Virology Journal*, **2012**, 9, 267	6.1	31
20	Porcine reproductive and respiratory syndrome virus (PRRSV)-specific mAbs: supporting diagnostics and providing new insights into the antigenic properties of the virus. *Veterinary Immunology and Immunopathology*, **2011**, 141, 246-57	2	36
19	Emergence of a new swine H3N2 and pandemic (H1N1) 2009 influenza A virus reassortant in two Canadian animal populations, mink and swine. *Journal of Clinical Microbiology*, **2011**, 49, 4386-90	9.7	43
18	Identification of a novel herpesvirus associated with cutaneous ulcers in a fisher (Martes pennanti). *Journal of Veterinary Diagnostic Investigation*, **2011**, 23, 986-90	1.5	16
17	Unusual central nervous system lesions in slaughter-weight pigs with porcine circovirus type 2 systemic infection. *Canadian Veterinary Journal*, **2011**, 52, 394-7	0.5	1

16	Investigation of the species origin of the St. Jude Porcine Lung epithelial cell line (SJPL) made available to researchers. *Journal of Virology*, **2010**, 84, 5454-5	6.6	20
15	The role of porcine reproductive and respiratory syndrome (PRRS) virus structural and non-structural proteins in virus pathogenesis. *Animal Health Research Reviews*, **2010**, 11, 135-63	2.1	105
14	Potential use of a recombinant replication-defective adenovirus vector carrying the C-terminal portion of the P97 adhesin protein as a vaccine against Mycoplasma hyopneumoniae in swine. *Vaccine*, **2010**, 28, 4802-9	4.1	27
13	Airborne porcine circovirus in Canadian swine confinement buildings. *Veterinary Microbiology*, **2010**, 141, 224-30	3.3	38
12	Emergence of a new type of porcine circovirus in swine (PCV): a type 1 and type 2 PCV recombinant. *Veterinary Microbiology*, **2010**, 144, 18-23	3.3	49
11	Quebec: Detection of bovine lymphotropic herpesvirus DNA in tissues of a bovine aborted fetus. *Canadian Veterinary Journal*, **2010**, 51, 1021-2	0.5	6
10	Characterization of a Canadian mink H3N2 influenza A virus isolate genetically related to triple reassortant swine influenza virus. *Journal of Clinical Microbiology*, **2009**, 47, 796-9	9.7	40
9	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. *Journal of Veterinary Diagnostic Investigation*, **2008**, 20, 545-58	1.5	83
8	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. *Canadian Journal of Veterinary Research*, **2008**, 72, 259-68		63
7	The emergence of porcine circovirus 2b genotype (PCV-2b) in swine in Canada. *Canadian Veterinary Journal*, **2007**, 48, 811-9	0.5	115
6	Genetic relatedness of recent Canadian equine influenza virus isolates with vaccine strains used in the field. *Canadian Veterinary Journal*, **2007**, 48, 1028-30	0.5	4
5	Alternative codon usage of PRRS virus ORF5 gene increases eucaryotic expression of GP(5) glycoprotein and improves immune response in challenged pigs. *Vaccine*, **2005**, 23, 4016-22	4.1	24
4	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. *Vaccine Journal*, **2004**, 11, 736-41		14
3	Biochemical properties and processing of the three major structural proteins of PRRS virus expressed by recombinant adenoviruses. Structural, functional and community aspects. *Advances in Experimental Medicine and Biology*, **2001**, 494, 225-31	3.6	
2	Seroneutralization of porcine reproductive and respiratory syndrome virus correlates with antibody response to the GP5 major envelope glycoprotein. *Journal of Veterinary Diagnostic Investigation*, **1999**, 11, 20-6	1.5	105
1	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. *Journal of Virology*, **1998**, 72, 6298-306	6.6	42