

Guy Boivin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8630293/publications.pdf>

Version: 2024-02-01

261
papers

14,571
citations

15495

65
h-index

25770

108
g-index

271
all docs

271
docs citations

271
times ranked

12165
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Virological Features and Clinical Manifestations Associated with Human Metapneumovirus: A New Paramyxovirus Responsible for Acute Respiratory Tract Infections in All Age Groups. <i>Journal of Infectious Diseases</i> , 2002, 186, 1330-1334. | 1.9 | 527 |
| 2 | Resistance of Herpes Simplex Viruses to Nucleoside Analogues: Mechanisms, Prevalence, and Management. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 459-472. | 1.4 | 428 |
| 3 | Human Metapneumovirus Infections in Hospitalized Children. <i>Emerging Infectious Diseases</i> , 2003, 9, 634-640. | 2.0 | 395 |
| 4 | Quantitation of Cytomegalovirus: Methodologic Aspects and Clinical Applications. <i>Clinical Microbiology Reviews</i> , 1998, 11, 533-554. | 5.7 | 376 |
| 5 | Characterization of Human Metapneumoviruses Isolated from Patients in North America. <i>Journal of Infectious Diseases</i> , 2002, 185, 1660-1663. | 1.9 | 362 |
| 6 | Pandemics Throughout History. <i>Frontiers in Microbiology</i> , 2020, 11, 631736. | 1.5 | 330 |
| 7 | Influenza virus resistance to neuraminidase inhibitors. <i>Antiviral Research</i> , 2013, 98, 174-185. | 1.9 | 300 |
| 8 | Resistance of herpesviruses to antiviral drugs: clinical impacts and molecular mechanisms. <i>Drug Resistance Updates</i> , 2002, 5, 88-114. | 6.5 | 277 |
| 9 | Association between the 2008-09 Seasonal Influenza Vaccine and Pandemic H1N1 Illness during Spring-Summer 2009: Four Observational Studies from Canada. <i>PLoS Medicine</i> , 2010, 7, e1000258. | 3.9 | 266 |
| 10 | Genetic diversity between human metapneumovirus subgroups. <i>Virology</i> , 2003, 315, 1-9. | 1.1 | 219 |
| 11 | Colchicine for community-treated patients with COVID-19 (COLCORONA): a phase 3, randomised, double-blinded, adaptive, placebo-controlled, multicentre trial. <i>Lancet Respiratory Medicine</i> , 2021, 9, 924-932. | 5.2 | 218 |
| 12 | Respiratory Tract Reinfections by the New Human Metapneumovirus in an Immunocompromised Child. <i>Emerging Infectious Diseases</i> , 2002, 8, 976-978. | 2.0 | 207 |
| 13 | Emergence of Oseltamivir-Resistant Pandemic H1N1 Virus during Prophylaxis. <i>New England Journal of Medicine</i> , 2009, 361, 2296-2297. | 13.9 | 204 |
| 14 | Comparison of the inhibition of human metapneumovirus and respiratory syncytial virus by ribavirin and immune serum globulin in vitro. <i>Antiviral Research</i> , 2003, 60, 51-59. | 1.9 | 186 |
| 15 | An Outbreak of Severe Respiratory Tract Infection Due to Human Metapneumovirus in a Long-Term Care Facility. <i>Clinical Infectious Diseases</i> , 2007, 44, 1152-1158. | 2.9 | 183 |
| 16 | Characterization of Multidrug-Resistant Influenza A/H3N2 Viruses Shed during 1 Year by an Immunocompromised Child. <i>Clinical Infectious Diseases</i> , 2006, 43, 1555-1561. | 2.9 | 174 |
| 17 | Development of a universal influenza A vaccine based on the M2e peptide fused to the papaya mosaic virus (PapMV) vaccine platform. <i>Vaccine</i> , 2008, 26, 3395-3403. | 1.7 | 172 |
| 18 | Systematic review of influenza resistance to the neuraminidase inhibitors. <i>BMC Infectious Diseases</i> , 2011, 11, 134. | 1.3 | 171 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Generation and Characterization of Recombinant Influenza A (H1N1) Viruses Harboring Amantadine Resistance Mutations. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 556-559. | 1.4 | 169 |
| 20 | Human Metapneumovirus: A New Player among Respiratory Viruses. <i>Clinical Infectious Diseases</i> , 2004, 38, 983-990. | 2.9 | 167 |
| 21 | Absence of Cytomegalovirus Resistance Mutations after Valganciclovir Prophylaxis, in a Prospective Multicenter Study of Solid Organ Transplant Recipients. <i>Journal of Infectious Diseases</i> , 2004, 189, 1615-1618. | 1.9 | 158 |
| 22 | Impact of Neuraminidase Mutations Conferring Influenza Resistance to Neuraminidase Inhibitors in the N1 and N2 Genetic Backgrounds. <i>Antiviral Therapy</i> , 2006, 11, 971-976. | 0.6 | 155 |
| 23 | Influenza Virus Susceptibility and Resistance to Oseltamivir. <i>Antiviral Therapy</i> , 2007, 12, 603-616. | 0.6 | 152 |
| 24 | Antiviral Susceptibilities and Analysis of UL97 and DNA Polymerase Sequences of Clinical Cytomegalovirus Isolates from Immunocompromised Patients. <i>Journal of Infectious Diseases</i> , 1997, 175, 1087-1092. | 1.9 | 148 |
| 25 | Generation and Characterization of Recombinant Pandemic Influenza A(H1N1) Viruses Resistant to Neuraminidase Inhibitors. <i>Journal of Infectious Diseases</i> , 2011, 203, 25-31. | 1.9 | 136 |
| 26 | Tumor Necrosis Factor- α and Interleukin-1 β Play a Critical Role in the Resistance against Lethal Herpes Simplex Virus Encephalitis. <i>Journal of Infectious Diseases</i> , 2007, 196, 853-860. | 1.9 | 135 |
| 27 | The Importance of Frailty in the Assessment of Influenza Vaccine Effectiveness Against Influenza-Related Hospitalization in Elderly People. <i>Journal of Infectious Diseases</i> , 2017, 216, 405-414. | 1.9 | 133 |
| 28 | Modified cyclodextrins as broad-spectrum antivirals. <i>Science Advances</i> , 2020, 6, eaax9318. | 4.7 | 131 |
| 29 | Rate of Emergence of Cytomegalovirus (CMV) Mutations in Leukocytes of Patients with Acquired Immunodeficiency Syndrome Who Are Receiving Valganciclovir as Induction and Maintenance Therapy for CMV Retinitis. <i>Journal of Infectious Diseases</i> , 2001, 184, 1598-1602. | 1.9 | 124 |
| 30 | Global Genetic Diversity of Human Metapneumovirus Fusion Gene. <i>Emerging Infectious Diseases</i> , 2004, 10, 1154-1157. | 2.0 | 122 |
| 31 | Comparison of Risk Factors for Human Metapneumovirus and Respiratory Syncytial Virus Disease Severity in Young Children. <i>Journal of Infectious Diseases</i> , 2012, 206, 178-189. | 1.9 | 122 |
| 32 | Comparative Evaluation of Real-Time PCR Assays for Detection of the Human Metapneumovirus. <i>Journal of Clinical Microbiology</i> , 2003, 41, 3631-3635. | 1.8 | 117 |
| 33 | Effect of the Neuraminidase Mutation H274Y Conferring Resistance to Oseltamivir on the Replicative Capacity and Virulence of Old and Recent Human Influenza A(H1N1) Viruses. <i>Journal of Infectious Diseases</i> , 2010, 201, 740-745. | 1.9 | 116 |
| 34 | Antiviral drug resistance in herpesviruses other than cytomegalovirus. <i>Reviews in Medical Virology</i> , 2014, 24, 186-218. | 3.9 | 115 |
| 35 | Sequence analysis of the N, P, M and F genes of Canadian human metapneumovirus strains. <i>Virus Research</i> , 2003, 93, 51-62. | 1.1 | 112 |
| 36 | Antiviral resistance in herpes simplex virus and varicella-zoster virus infections: diagnosis and management. <i>Current Opinion in Infectious Diseases</i> , 2016, 29, 654-662. | 1.3 | 112 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Viral Interference between Respiratory Viruses. <i>Emerging Infectious Diseases</i> , 2022, 28, 273-281. | 2.0 | 108 |
| 38 | Optimization of Droplet Digital PCR from RNA and DNA extracts with direct comparison to RT-qPCR: Clinical implications for quantification of Oseltamivir-resistant subpopulations. <i>Journal of Virological Methods</i> , 2015, 224, 58-66. | 1.0 | 107 |
| 39 | Effect of Ribavirin and Glucocorticoid Treatment in a Mouse Model of Human Metapneumovirus Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 774-777. | 1.4 | 106 |
| 40 | Household Transmission of the 2009 Pandemic A/H1N1 Influenza Virus: Elevated Laboratory-Confirmed Secondary Attack Rates and Evidence of Asymptomatic Infections. <i>Clinical Infectious Diseases</i> , 2010, 51, 1033-1041. | 2.9 | 102 |
| 41 | Pathogenesis of Human Metapneumovirus Lung Infection in BALB/c Mice and Cotton Rats. <i>Journal of Virology</i> , 2005, 79, 8894-8903. | 1.5 | 99 |
| 42 | The H275Y Neuraminidase Mutation of the Pandemic A/H1N1 Influenza Virus Lengthens the Eclipse Phase and Reduces Viral Output of Infected Cells, Potentially Compromising Fitness in Ferrets. <i>Journal of Virology</i> , 2012, 86, 10651-10660. | 1.5 | 99 |
| 43 | Importance of viral and bacterial infections in chronic obstructive pulmonary disease exacerbations. <i>Journal of Clinical Virology</i> , 2009, 46, 129-133. | 1.6 | 94 |
| 44 | Characterization of the DNA Polymerase and Thymidine Kinase Genes of Herpes Simplex Virus Isolates from AIDS Patients in whom Acyclovir and Foscarnet Therapy Sequentially Failed. <i>Journal of Infectious Diseases</i> , 1999, 180, 487-490. | 1.9 | 92 |
| 45 | Risk factors for hospitalization and severe outcomes of 2009 pandemic H1N1 influenza in Quebec, Canada. <i>Influenza and Other Respiratory Viruses</i> , 2011, 5, 247-255. | 1.5 | 91 |
| 46 | DNA vaccination protects mice against Zika virus-induced damage to the testes. <i>Nature Communications</i> , 2017, 8, 15743. | 5.8 | 90 |
| 47 | A Trial of Valganciclovir Prophylaxis for Cytomegalovirus Prevention in Lung Transplant Recipients. <i>American Journal of Transplantation</i> , 2005, 5, 1462-1468. | 2.6 | 89 |
| 48 | Comparison of Automated Microarray Detection with Real-Time PCR Assays for Detection of Respiratory Viruses in Specimens Obtained from Children. <i>Journal of Clinical Microbiology</i> , 2009, 47, 743-750. | 1.8 | 88 |
| 49 | Distribution and Clinical Impact of Human Respiratory Syncytial Virus Genotypes in Hospitalized Children over 2 Winter Seasons. <i>Journal of Infectious Diseases</i> , 2006, 193, 54-58. | 1.9 | 87 |
| 50 | Human Metapneumovirus Infection Induces Long-Term Pulmonary Inflammation Associated with Airway Obstruction and Hyperresponsiveness in Mice. <i>Journal of Infectious Diseases</i> , 2006, 193, 1634-1642. | 1.9 | 87 |
| 51 | Cytomegalovirus resistance in solid organ transplant recipients treated with intravenous ganciclovir or oral valganciclovir. <i>Antiviral Therapy</i> , 2009, 14, 697-704. | 0.6 | 86 |
| 52 | Oseltamivir-Resistant Pandemic A/H1N1 Virus Is as Virulent as Its Wild-Type Counterpart in Mice and Ferrets. <i>PLoS Pathogens</i> , 2010, 6, e1001015. | 2.1 | 85 |
| 53 | A collaborative study to establish the 1st WHO International Standard for human cytomegalovirus for nucleic acid amplification technology. <i>Biologicals</i> , 2016, 44, 242-251. | 0.5 | 85 |
| 54 | Drug Resistance Patterns of Recombinant Herpes Simplex Virus DNA Polymerase Mutants Generated with a Set of Overlapping Cosmids and Plasmids. <i>Journal of Virology</i> , 2003, 77, 7820-7829. | 1.5 | 82 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Cross-reactive and Vaccine-Induced Antibody to an Emerging Swine-Origin Variant of Influenza A Virus Subtype H3N2 (H3N2v). <i>Journal of Infectious Diseases</i> , 2012, 206, 1852-1861. | 1.9 | 82 |
| 56 | Impact of neuraminidase mutations conferring influenza resistance to neuraminidase inhibitors in the N1 and N2 genetic backgrounds. <i>Antiviral Therapy</i> , 2006, 11, 971-6. | 0.6 | 81 |
| 57 | A Reverse Genetics Study of Resistance to Neuraminidase Inhibitors in An Influenza A/H1N1 Virus. <i>Antiviral Therapy</i> , 2004, 9, 577-581. | 0.6 | 75 |
| 58 | Influenza virus susceptibility and resistance to oseltamivir. <i>Antiviral Therapy</i> , 2007, 12, 603-16. | 0.6 | 74 |
| 59 | Rapid Antiviral Effect of Inhaled Zanamivir in the Treatment of Naturally Occurring Influenza in Otherwise Healthy Adults. <i>Journal of Infectious Diseases</i> , 2000, 181, 1471-1474. | 1.9 | 73 |
| 60 | Prolonged Excretion of Amantadine-Resistant Influenza A Virus Quasi Species after Cessation of Antiviral Therapy in an Immunocompromised Patient. <i>Clinical Infectious Diseases</i> , 2002, 34, e23-e25. | 2.9 | 73 |
| 61 | The distinguishing features of human metapneumovirus and respiratory syncytial virus. <i>Reviews in Medical Virology</i> , 2010, 20, 245-260. | 3.9 | 73 |
| 62 | Infection with Human Metapneumovirus Predisposes Mice to Severe Pneumococcal Pneumonia. <i>Journal of Virology</i> , 2009, 83, 1341-1349. | 1.5 | 72 |
| 63 | Role of Permissive Neuraminidase Mutations in Influenza A/Brisbane/59/2007-like (H1N1) Viruses. <i>PLoS Pathogens</i> , 2011, 7, e1002431. | 2.1 | 71 |
| 64 | Presence of Oseltamivir-Resistant Pandemic A/H1N1 Minor Variants Before Drug Therapy With Subsequent Selection and Transmission. <i>Journal of Infectious Diseases</i> , 2012, 206, 1504-1511. | 1.9 | 70 |
| 65 | Delayed but Not Early Glucocorticoid Treatment Protects the Host during Experimental Herpes Simplex Virus Encephalitis in Mice. <i>Journal of Infectious Diseases</i> , 2007, 195, 817-825. | 1.9 | 69 |
| 66 | Influenza Drug Resistance. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2011, 32, 409-422. | 0.8 | 69 |
| 67 | Herpesvirus DNA polymerases: Structures, functions and inhibitors. <i>Virus Research</i> , 2017, 234, 177-192. | 1.1 | 68 |
| 68 | Effectiveness of Influenza Vaccination on Hospitalizations and Risk Factors for Severe Outcomes in Hospitalized Patients With COPD. <i>Chest</i> , 2019, 155, 69-78. | 0.4 | 67 |
| 69 | Clinical development of letermovir and maribavir: Overview of human cytomegalovirus drug resistance. <i>Antiviral Research</i> , 2019, 163, 91-105. | 1.9 | 66 |
| 70 | Susceptibility of recent Canadian influenza A and B virus isolates to different neuraminidase inhibitors. <i>Antiviral Research</i> , 2002, 54, 143-147. | 1.9 | 64 |
| 71 | Treatment of respiratory virus infections. <i>Antiviral Research</i> , 2006, 70, 1-16. | 1.9 | 64 |
| 72 | Sequence polymorphism of the predicted human metapneumovirus G glycoprotein. <i>Journal of General Virology</i> , 2004, 85, 679-686. | 1.3 | 62 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Characterization of drug-resistant recombinant influenza A/H1N1 viruses selected in vitro with peramivir and zanamivir. <i>Antiviral Research</i> , 2007, 74, 159-162. | 1.9 | 61 |
| 74 | Analysis of cytomegalovirus DNA polymerase (UL54) mutations in solid organ transplant patients receiving valganciclovir or ganciclovir prophylaxis. <i>Journal of Medical Virology</i> , 2005, 77, 425-429. | 2.5 | 60 |
| 75 | Activity of the neuraminidase inhibitor A-315675 against oseltamivir-resistant influenza neuraminidases of N1 and N2 subtypes. <i>Antiviral Research</i> , 2008, 77, 163-166. | 1.9 | 59 |
| 76 | Effect of Pretreatment with Toll-like Receptor Agonists in a Mouse Model of Herpes Simplex Virus Type 1 Encephalitis. <i>Journal of Infectious Diseases</i> , 2008, 198, 664-672. | 1.9 | 59 |
| 77 | Intrahost Dynamics of Antiviral Resistance in Influenza A Virus Reflect Complex Patterns of Segment Linkage, Reassortment, and Natural Selection. <i>MBio</i> , 2015, 6, . | 1.8 | 58 |
| 78 | Characterization of 2 Influenza A(H3N2) Clinical Isolates with Reduced Susceptibility to Neuraminidase Inhibitors Due to Mutations in the Hemagglutinin Gene. <i>Journal of Infectious Diseases</i> , 2002, 186, 1074-1080. | 1.9 | 57 |
| 79 | Highly Reliable Heterologous System for Evaluating Resistance of Clinical Herpes Simplex Virus Isolates to Nucleoside Analogues. <i>Journal of Virology</i> , 2001, 75, 3105-3110. | 1.5 | 56 |
| 80 | Standardization of Hemagglutination Inhibition Assay for Influenza Serology Allows for High Reproducibility between Laboratories. <i>Vaccine Journal</i> , 2016, 23, 236-242. | 3.2 | 55 |
| 81 | Assessing the In Vitro Fitness of an Oseltamivir-Resistant Seasonal A/H1N1 Influenza Strain Using a Mathematical Model. <i>PLoS ONE</i> , 2011, 6, e14767. | 1.1 | 54 |
| 82 | E119D Neuraminidase Mutation Conferring Pan-Resistance to Neuraminidase Inhibitors in an A(H1N1)pdm09 Isolate From a Stem-Cell Transplant Recipient. <i>Journal of Infectious Diseases</i> , 2015, 212, 1726-1734. | 1.9 | 54 |
| 83 | Human metapneumovirus: Enhanced pulmonary disease in cotton rats immunized with formalin-inactivated virus vaccine and challenged. <i>Vaccine</i> , 2007, 25, 5034-5040. | 1.7 | 53 |
| 84 | Impact of Mutations at Residue I223 of the Neuraminidase Protein on the Resistance Profile, Replication Level, and Virulence of the 2009 Pandemic Influenza Virus. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 1208-1214. | 1.4 | 53 |
| 85 | Structural Insight into NS5 of Zika Virus Leading to the Discovery of MTase Inhibitors. <i>Journal of the American Chemical Society</i> , 2016, 138, 16212-16215. | 6.6 | 52 |
| 86 | Influenza vaccine effectiveness to prevent influenza-related hospitalizations and serious outcomes in Canadian adults over the 2011/12 through 2013/14 influenza seasons: A pooled analysis from the Canadian Immunization Research Network (CIRN) Serious Outcomes Surveillance (SOS Network). <i>Vaccine</i> , 2018, 36, 2166-2175. | 1.7 | 52 |
| 87 | Identification and Evaluation of a Highly Effective Fusion Inhibitor for Human Metapneumovirus. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 279-287. | 1.4 | 51 |
| 88 | Impact of the Baloxavir-Resistant Polymerase Acid I38T Substitution on the Fitness of Contemporary Influenza A(H1N1)pdm09 and A(H3N2) Strains. <i>Journal of Infectious Diseases</i> , 2020, 221, 63-70. | 1.9 | 51 |
| 89 | Detection and management of antiviral resistance for influenza viruses. <i>Influenza and Other Respiratory Viruses</i> , 2013, 7, 18-23. | 1.5 | 50 |
| 90 | Antiviral Agents in Development for Zika Virus Infections. <i>Pharmaceuticals</i> , 2019, 12, 101. | 1.7 | 50 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Enhanced lung disease and Th2 response following human metapneumovirus infection in mice immunized with the inactivated virus. <i>Journal of General Virology</i> , 2007, 88, 3391-3400. | 1.3 | 48 |
| 92 | Intranasal herpes simplex virus type 2 inoculation causes a profound thymidine kinase dependent cerebral inflammatory response in the mouse hindbrain. <i>European Journal of Neuroscience</i> , 2002, 16, 29-43. | 1.2 | 46 |
| 93 | Incidence of cytomegalovirus UL97 and UL54 amino acid substitutions detected after 100 or 200 days of valganciclovir prophylaxis. <i>Journal of Clinical Virology</i> , 2012, 53, 208-213. | 1.6 | 46 |
| 94 | Impact of the H275Y and I223V Mutations in the Neuraminidase of the 2009 Pandemic Influenza Virus In Vitro and Evaluating Experimental Reproducibility. <i>PLoS ONE</i> , 2015, 10, e0126115. | 1.1 | 46 |
| 95 | Emergence and prevalence of cytomegalovirus UL97 mutations associated with ganciclovir resistance in AIDS patients. <i>Aids</i> , 1998, 12, 125-129. | 1.0 | 45 |
| 96 | Impact of Potential Permissive Neuraminidase Mutations on Viral Fitness of the H275Y Oseltamivir-Resistant Influenza A(H1N1)pdm09 Virus <i>In Vitro</i> , in Mice and in Ferrets. <i>Journal of Virology</i> , 2014, 88, 1652-1658. | 1.5 | 44 |
| 97 | Repurposing of Drugs as Novel Influenza Inhibitors From Clinical Gene Expression Infection Signatures. <i>Frontiers in Immunology</i> , 2019, 10, 60. | 2.2 | 44 |
| 98 | Effects of Different Adjuvants in the Context of Intramuscular and Intranasal Routes on Humoral and Cellular Immune Responses Induced by Detergent-Split A/H3N2 Influenza Vaccines in Mice. <i>Vaccine Journal</i> , 2012, 19, 209-218. | 3.2 | 42 |
| 99 | Immunomodulatory Strategies in Herpes Simplex Virus Encephalitis. <i>Clinical Microbiology Reviews</i> , 2020, 33, . | 5.7 | 42 |
| 100 | Genetic diversity and molecular evolution of the major human metapneumovirus surface glycoproteins over a decade. <i>Journal of Clinical Virology</i> , 2013, 58, 541-547. | 1.6 | 41 |
| 101 | Virus-like particle vaccine induces cross-protection against human metapneumovirus infections in mice. <i>Vaccine</i> , 2013, 31, 2778-2785. | 1.7 | 41 |
| 102 | Characterization of Drug-Resistant Influenza Virus A(H1N1) and A(H3N2) Variants Selected <i>In Vitro</i> with Laninamivir. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5220-5228. | 1.4 | 41 |
| 103 | Quantification of human herpesvirus 8 by real-time PCR in blood fractions of AIDS patients with Kaposi's sarcoma and multicentric Castlemans disease. <i>Journal of Medical Virology</i> , 2002, 68, 399-403. | 2.5 | 40 |
| 104 | Cross-Lineage Influenza B and Heterologous Influenza A Antibody Responses in Vaccinated Mice: Immunologic Interactions and B/Yamagata Dominance. <i>PLoS ONE</i> , 2012, 7, e38929. | 1.1 | 40 |
| 105 | Cytomegalovirus Seropositivity Is Associated With Increased Microbial Translocation in People Living With Human Immunodeficiency Virus and Uninfected Controls. <i>Clinical Infectious Diseases</i> , 2020, 71, 1438-1446. | 2.9 | 40 |
| 106 | Divergent evolution of hemagglutinin and neuraminidase genes in recent influenza A:H3N2 viruses isolated in Canada. <i>Journal of Medical Virology</i> , 2002, 67, 589-595. | 2.5 | 39 |
| 107 | The I222V Neuraminidase Mutation Has a Compensatory Role in Replication of an Oseltamivir-Resistant Influenza Virus A/H3N2 E119V Mutant. <i>Journal of Clinical Microbiology</i> , 2011, 49, 715-717. | 1.8 | 38 |
| 108 | The 2009 Pandemic H1N1 D222G Hemagglutinin Mutation Alters Receptor Specificity and Increases Virulence in Mice but Not in Ferrets. <i>Journal of Infectious Diseases</i> , 2011, 204, 1008-1016. | 1.9 | 38 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Valacyclovir combined with artesunate or rapamycin improves the outcome of herpes simplex virus encephalitis in mice compared to antiviral therapy alone. <i>Antiviral Research</i> , 2015, 123, 105-113. | 1.9 | 38 |
| 110 | Evaluation of Susceptibility of Human Herpesvirus 8 to Antiviral Drugs by Quantitative Real-Time PCR. <i>Journal of Clinical Microbiology</i> , 2003, 41, 3897-3900. | 1.8 | 37 |
| 111 | Human respiratory syncytial virus and other viral infections in infants receiving palivizumab. <i>Journal of Clinical Virology</i> , 2008, 42, 52-57. | 1.6 | 37 |
| 112 | A Novel Neuraminidase Deletion Mutation Conferring Resistance to Oseltamivir in Clinical Influenza A/H3N2 Virus. <i>Journal of Infectious Diseases</i> , 2009, 199, 180-183. | 1.9 | 37 |
| 113 | Antibody persistence and response to 2010-2011 trivalent influenza vaccine one year after a single dose of 2009 AS03-adjuvanted pandemic H1N1 vaccine in children. <i>Vaccine</i> , 2011, 30, 35-41. | 1.7 | 36 |
| 114 | Artesunate Demonstrates <i>in vitro</i> Synergism with Several Antiviral Agents against Human Cytomegalovirus. <i>Antiviral Therapy</i> , 2016, 21, 535-539. | 0.6 | 36 |
| 115 | A Review of Clinical Influenza A and B Infections With Reduced Susceptibility to Both Oseltamivir and Zanamivir. <i>Open Forum Infectious Diseases</i> , 2017, 4, ofx105. | 0.4 | 36 |
| 116 | Innate immune response during herpes simplex virus encephalitis and development of immunomodulatory strategies. <i>Reviews in Medical Virology</i> , 2015, 25, 300-319. | 3.9 | 35 |
| 117 | Targeted Proteomics of Human Metapneumovirus in Clinical Samples and Viral Cultures. <i>Analytical Chemistry</i> , 2015, 87, 10247-10254. | 3.2 | 35 |
| 118 | A reverse genetics study of resistance to neuraminidase inhibitors in an influenza A/H1N1 virus. <i>Antiviral Therapy</i> , 2004, 9, 577-81. | 0.6 | 35 |
| 119 | Incidence and characterization of cytomegalovirus resistance mutations among pediatric solid organ transplant patients who received valganciclovir prophylaxis. <i>Journal of Clinical Virology</i> , 2010, 47, 321-324. | 1.6 | 34 |
| 120 | Frailty Hinders Recovery From Influenza and Acute Respiratory Illness in Older Adults. <i>Journal of Infectious Diseases</i> , 2020, 222, 428-437. | 1.9 | 34 |
| 121 | Prophylactic and therapeutic benefits of a monoclonal antibody against the fusion protein of human metapneumovirus in a mouse model. <i>Antiviral Research</i> , 2010, 88, 31-37. | 1.9 | 33 |
| 122 | Modulation of Protease Activated Receptor 1 Influences Human Metapneumovirus Disease Severity in a Mouse Model. <i>PLoS ONE</i> , 2013, 8, e72529. | 1.1 | 33 |
| 123 | Characterization of cellular transcriptomic signatures induced by different respiratory viruses in human reconstituted airway epithelia. <i>Scientific Reports</i> , 2019, 9, 11493. | 1.6 | 33 |
| 124 | Molecular Evolution of Respiratory Syncytial Virus Fusion Gene, Canada, 2006-2010. <i>Emerging Infectious Diseases</i> , 2012, 18, 120-124. | 2.0 | 31 |
| 125 | Design considerations in building <i>in silico</i> equivalents of common experimental influenza virus assays. <i>Autoimmunity</i> , 2011, 44, 282-293. | 1.2 | 30 |
| 126 | Both TRIF and IPS-1 Adaptor Proteins Contribute to the Cerebral Innate Immune Response against Herpes Simplex Virus 1 Infection. <i>Journal of Virology</i> , 2013, 87, 7301-7308. | 1.5 | 30 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Novel Method Based on <i>En Passant</i> Mutagenesis Coupled with a Gaussia Luciferase Reporter Assay for Studying the Combined Effects of Human Cytomegalovirus Mutations. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3216-3224. | 1.8 | 30 |
| 128 | Cell Culture Systems To Study Human Herpesvirus 6A/B Chromosomal Integration. <i>Journal of Virology</i> , 2017, 91, . | 1.5 | 30 |
| 129 | <i>Streptococcus pneumoniae</i> serotype 3 is masking PCV13-mediated herd immunity in Canadian adults hospitalized with community acquired pneumonia: A study from the Serious Outcomes Surveillance (SOS) Network of the Canadian immunization research Network (CIRN). <i>Vaccine</i> , 2019, 37, 5466-5473. | 1.7 | 29 |
| 130 | Herpes simplex virus isolates with reduced adefovir susceptibility selected in vivo by foscarnet therapy. <i>Journal of Medical Virology</i> , 2002, 67, 88-91. | 2.5 | 28 |
| 131 | Role of Helix P of the Human Cytomegalovirus DNA Polymerase in Resistance and Hypersusceptibility to the Antiviral Drug Foscarnet. <i>Journal of Virology</i> , 2006, 80, 1440-1450. | 1.5 | 28 |
| 132 | Recombinant Phenotyping of Cytomegalovirus UL54 Mutations That Emerged during Cell Passages in the Presence of either Ganciclovir or Foscarnet. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 4019-4027. | 1.4 | 28 |
| 133 | Human metapneumovirus viral load is an important risk factor for disease severity in young children. <i>Journal of Clinical Virology</i> , 2014, 60, 133-140. | 1.6 | 28 |
| 134 | Infiltration Pattern of Blood Monocytes into the Central Nervous System during Experimental Herpes Simplex Virus Encephalitis. <i>PLoS ONE</i> , 2015, 10, e0145773. | 1.1 | 28 |
| 135 | Resource utilization and cost of influenza requiring hospitalization in Canadian adults: A study from the serious outcomes surveillance network of the Canadian Immunization Research Network. <i>Influenza and Other Respiratory Viruses</i> , 2018, 12, 232-240. | 1.5 | 28 |
| 136 | Characterization of Multiple Cytomegalovirus Drug Resistance Mutations Detected in a Hematopoietic Stem Cell Transplant Recipient by Recombinant Phenotyping. <i>Journal of Clinical Microbiology</i> , 2014, 52, 4043-4046. | 1.8 | 26 |
| 137 | Phenotypic Evaluation of Previously Uncharacterized Cytomegalovirus DNA Polymerase Sequence Variants Detected in a Valganciclovir Treatment Trial. <i>Journal of Infectious Diseases</i> , 2014, 209, 1219-1226. | 1.9 | 26 |
| 138 | Evolution of Oseltamivir Resistance Mutations in Influenza A(H1N1) and A(H3N2) Viruses during Selection in Experimentally Infected Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 6398-6405. | 1.4 | 26 |
| 139 | Novel Method Based on Real-Time Cell Analysis for Drug Susceptibility Testing of Herpes Simplex Virus and Human Cytomegalovirus. <i>Journal of Clinical Microbiology</i> , 2016, 54, 2120-2127. | 1.8 | 26 |
| 140 | Burden of vaccine-preventable pneumococcal disease in hospitalized adults: A Canadian Immunization Research Network (CIRN) Serious Outcomes Surveillance (SOS) network study. <i>Vaccine</i> , 2017, 35, 3647-3654. | 1.7 | 26 |
| 141 | Influenza A(H1N1)pdm09 Virus but Not Respiratory Syncytial Virus Interferes with SARS-CoV-2 Replication during Sequential Infections in Human Nasal Epithelial Cells. <i>Viruses</i> , 2022, 14, 395. | 1.5 | 26 |
| 142 | Characterization of Human Cytomegalovirus (HCMV) UL97 Mutations Found in a Valganciclovir/Oral Ganciclovir Prophylactic Trial by Use of a Bacterial Artificial Chromosome Containing the HCMV Genome. <i>Journal of Infectious Diseases</i> , 2006, 194, 579-583. | 1.9 | 25 |
| 143 | Viral Pathogens Including Human Metapneumovirus Are the Primary Cause of Febrile Respiratory Illness in HIV-Infected Adults Receiving Antiretroviral Therapy. <i>Journal of Infectious Diseases</i> , 2010, 201, 297-301. | 1.9 | 25 |
| 144 | OVX836 a recombinant nucleoprotein vaccine inducing cellular responses and protective efficacy against multiple influenza A subtypes. <i>Npj Vaccines</i> , 2019, 4, 4. | 2.9 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | The Prophylactic Administration of a Monoclonal Antibody against Human Metapneumovirus Attenuates viral Disease and Airways Hyperresponsiveness in Mice. <i>Antiviral Therapy</i> , 2008, 13, 39-46. | 0.6 | 25 |
| 146 | Impact of deficiency in CCR2 and CX3CR1 receptors on monocytes trafficking in herpes simplex virus encephalitis. <i>Journal of General Virology</i> , 2012, 93, 1294-1304. | 1.3 | 24 |
| 147 | Modulation of TLR9 response in a mouse model of herpes simplex virus encephalitis. <i>Antiviral Research</i> , 2012, 96, 414-421. | 1.9 | 24 |
| 148 | Molecular and antigenic evolution of human influenza A/H3N2 viruses in Quebec, Canada, 2009-2011. <i>Journal of Clinical Virology</i> , 2012, 53, 88-92. | 1.6 | 24 |
| 149 | Host and Viral Factors Affecting Clinical Performance of a Rapid Diagnostic Test for Respiratory Syncytial Virus in Hospitalized Children. <i>Journal of Pediatrics</i> , 2013, 163, 911-913. | 0.9 | 24 |
| 150 | Combination Therapy with Oseltamivir and Favipiravir Delays Mortality but Does Not Prevent Oseltamivir Resistance in Immunodeficient Mice Infected with Pandemic A(H1N1) Influenza Virus. <i>Viruses</i> , 2018, 10, 610. | 1.5 | 24 |
| 151 | Recent developments with live-attenuated recombinant paramyxovirus vaccines. <i>Reviews in Medical Virology</i> , 2013, 23, 15-34. | 3.9 | 23 |
| 152 | Cytomegalovirus resistance in solid organ transplant recipients treated with intravenous ganciclovir or oral valganciclovir. <i>Antiviral Therapy</i> , 2009, 14, 697-704. | 0.6 | 23 |
| 153 | A case of ganciclovir-resistant cytomegalovirus (CMV) retinitis in a patient with AIDS. <i>Aids</i> , 1997, 11, 867-873. | 1.0 | 22 |
| 154 | Thymidine Kinase Mutations Conferring Acyclovir Resistance in Herpes Simplex Type 1 Recombinant Viruses. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 3889-3892. | 1.4 | 22 |
| 155 | Recombinant Phenotyping of Cytomegalovirus Sequence Variants Detected After 200 or 100 Days of Valganciclovir Prophylaxis. <i>Transplantation</i> , 2010, 90, 1409-1413. | 0.5 | 22 |
| 156 | Longitudinal evaluation of herpes simplex virus DNA load during episodes of herpes labialis. <i>Journal of Clinical Virology</i> , 2006, 37, 248-251. | 1.6 | 21 |
| 157 | Influenza vaccine effectiveness against influenza-related hospitalization during a season with mixed outbreaks of four influenza viruses: a test-negative case-control study in adults in Canada. <i>BMC Infectious Diseases</i> , 2017, 17, 805. | 1.3 | 21 |
| 158 | The Nonstructural NS1 Protein of Influenza Viruses Modulates TP53 Splicing through Host Factor CPSF4. <i>Journal of Virology</i> , 2019, 93, . | 1.5 | 21 |
| 159 | An Early Microglial Response Is Needed To Efficiently Control Herpes Simplex Virus Encephalitis. <i>Journal of Virology</i> , 2020, 94, . | 1.5 | 21 |
| 160 | Age-stratified burden of pneumococcal community acquired pneumonia in hospitalised Canadian adults from 2010 to 2015. <i>BMJ Open Respiratory Research</i> , 2020, 7, e000550. | 1.2 | 21 |
| 161 | Inhibition of Human Metapneumovirus Replication by Small Interfering RNA. <i>Antiviral Therapy</i> , 2008, 13, 821-832. | 0.6 | 21 |
| 162 | Three-dimensional modeling of cytomegalovirus DNA polymerase and preliminary analysis of drug resistance. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 64, 301-307. | 1.5 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | RSV and HMPV Infections in 3D Tissue Cultures: Mechanisms Involved in Virus-Host and Virus-Virus Interactions. <i>Viruses</i> , 2021, 13, 139. | 1.5 | 20 |
| 164 | Role of Picornaviruses in Flu-Like Illnesses of Adults Enrolled in an Oseltamivir Treatment Study Who Had No Evidence of Influenza Virus Infection. <i>Journal of Clinical Microbiology</i> , 2002, 40, 330-334. | 1.8 | 19 |
| 165 | Discordant phenotypes and genotypes of Cytomegalovirus (CMV) in patients with AIDS and relapsing CMV retinitis. <i>Aids</i> , 2003, 17, 337-341. | 1.0 | 19 |
| 166 | Prophylactic Activity of Intramuscular Peramivir in Mice Infected with a Recombinant Influenza A/WSN/33 (H1N1) Virus Containing the H274Y Neuraminidase Mutation. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 2819-2822. | 1.4 | 19 |
| 167 | Evaluation of Serological Diagnostic Methods for the 2009 Pandemic Influenza A (H1N1) Virus. <i>Vaccine Journal</i> , 2011, 18, 520-522. | 3.2 | 19 |
| 168 | The combination of valacyclovir with an anti-TNF alpha antibody increases survival rate compared to antiviral therapy alone in a murine model of herpes simplex virus encephalitis. <i>Antiviral Research</i> , 2013, 100, 649-653. | 1.9 | 19 |
| 169 | <i>In vitro</i> Susceptibility of Geographically and Temporally Distinct Zika Viruses to Favipiravir and Ribavirin. <i>Antiviral Therapy</i> , 2017, 22, 613-618. | 0.6 | 19 |
| 170 | Randomized Controlled Ferret Study to Assess the Direct Impact of 2008-09 Trivalent Inactivated Influenza Vaccine on A(H1N1)pdm09 Disease Risk. <i>PLoS ONE</i> , 2014, 9, e86555. | 1.1 | 19 |
| 171 | The quest for a nanoparticle-based vaccine inducing broad protection to influenza viruses. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2563-2574. | 1.7 | 18 |
| 172 | <i>In Vitro</i> Selection of Remdesivir-Resistant SARS-CoV-2 Demonstrates High Barrier to Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, . | 1.4 | 18 |
| 173 | Opposite effect of two cytomegalovirus DNA polymerase mutations on replicative capacity and polymerase activity. <i>Antiviral Therapy</i> , 2010, 15, 579-586. | 0.6 | 17 |
| 174 | Drug Susceptibility and Replicative Capacity of Multidrug-Resistant Recombinant Human Cytomegalovirus Harboring Mutations in <i>UL56</i> and <i>UL54</i> Genes. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, . | 1.4 | 17 |
| 175 | Herpes simplex encephalitis in adult patients with MASP-2 deficiency. <i>PLoS Pathogens</i> , 2019, 15, e1008168. | 2.1 | 17 |
| 176 | Inhibition of the 3CL Protease and SARS-CoV-2 Replication by Dalcetrapib. <i>ACS Omega</i> , 2021, 6, 16584-16591. | 1.6 | 17 |
| 177 | Microglia are involved in phagocytosis and extracellular digestion during Zika virus encephalitis in young adult immunodeficient mice. <i>Journal of Neuroinflammation</i> , 2021, 18, 178. | 3.1 | 17 |
| 178 | Contrasting effects on ganciclovir susceptibility and replicative capacity of two mutations at codon 466 of the human cytomegalovirus UL97 gene. <i>Journal of Clinical Virology</i> , 2010, 49, 296-298. | 1.6 | 16 |
| 179 | Reduced airborne transmission of oseltamivir-resistant pandemic A/H1N1 virus in ferrets. <i>Antiviral Therapy</i> , 2011, 16, 775-779. | 0.6 | 16 |
| 180 | Therapeutic Activity of Intramuscular Peramivir in Mice Infected with a Recombinant Influenza A/WSN/33 (H1N1) Virus Containing the H275Y Neuraminidase Mutation. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 4375-4380. | 1.4 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Both IRF3 and especially IRF7 play a key role to orchestrate an effective cerebral inflammatory response in a mouse model of herpes simplex virus encephalitis. <i>Journal of NeuroVirology</i> , 2018, 24, 761-768. | 1.0 | 16 |
| 182 | In Vitro Combinations of Baloxavir Acid and Other Inhibitors against Seasonal Influenza A Viruses. <i>Viruses</i> , 2020, 12, 1139. | 1.5 | 16 |
| 183 | Characterization of contemporary influenza B recombinant viruses harboring mutations of reduced susceptibility to baloxavir marboxil, in vitro and in mice. <i>Antiviral Research</i> , 2020, 179, 104807. | 1.9 | 16 |
| 184 | Neurovirulence and latency of drug-resistant clinical herpes simplex viruses in animal models. <i>Journal of Medical Virology</i> , 2010, 82, 1000-1006. | 2.5 | 15 |
| 185 | Evaluation of Recombinant 2009 Pandemic Influenza A (H1N1) Viruses Harboring Zanamivir Resistance Mutations in Mice and Ferrets. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 1784-1789. | 1.4 | 15 |
| 186 | Epitope mapping of the 2009 pandemic and the A/Brisbane/59/2007 seasonal (H1N1) influenza virus haemagglutinins using mAbs and escape mutants. <i>Journal of General Virology</i> , 2014, 95, 2377-2389. | 1.3 | 15 |
| 187 | Activity of the Oral Neuraminidase Inhibitor A-322278 against the Oseltamivir-Resistant H274Y (A/H1N1) Influenza Virus Mutant in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 791-793. | 1.4 | 14 |
| 188 | Permissive changes in the neuraminidase play a dominant role in improving the viral fitness of oseltamivir-resistant seasonal influenza A(H1N1) strains. <i>Antiviral Research</i> , 2015, 114, 57-61. | 1.9 | 14 |
| 189 | The E119D neuraminidase mutation identified in a multidrug-resistant influenza A(H1N1)pdm09 isolate severely alters viral fitness in vitro and in animal models. <i>Antiviral Research</i> , 2016, 132, 6-12. | 1.9 | 14 |
| 190 | Protease-activated receptor 1 inhibition protects mice against thrombin-dependent respiratory syncytial virus and human metapneumovirus infections. <i>British Journal of Pharmacology</i> , 2018, 175, 388-403. | 2.7 | 14 |
| 191 | Oseltamivir-zanamivir combination therapy is not superior to zanamivir monotherapy in mice infected with influenza A(H3N2) and A(H1N1)pdm09 viruses. <i>Antiviral Research</i> , 2014, 105, 54-58. | 1.9 | 13 |
| 192 | Adjuvanted inactivated influenza A(H3N2) vaccines induce stronger immunogenicity in mice and confer higher protection in ferrets than unadjuvanted inactivated vaccines. <i>Vaccine</i> , 2014, 32, 5730-5739. | 1.7 | 13 |
| 193 | Contrasting Effects of W781V and W780V Mutations in Helix N of Herpes Simplex Virus 1 and Human Cytomegalovirus DNA Polymerases on Antiviral Drug Susceptibility. <i>Journal of Virology</i> , 2015, 89, 4636-4644. | 1.5 | 13 |
| 194 | Synergistic PA and HA mutations confer mouse adaptation of a contemporary A/H3N2 influenza virus. <i>Scientific Reports</i> , 2019, 9, 16616. | 1.6 | 13 |
| 195 | Human metapneumovirus activates NOD-like receptor protein 3 inflammasome via its small hydrophobic protein which plays a detrimental role during infection in mice. <i>PLoS Pathogens</i> , 2019, 15, e1007689. | 2.1 | 13 |
| 196 | Mutations in the fusion protein heptad repeat domains of human metapneumovirus impact on the formation of syncytia. <i>Journal of General Virology</i> , 2017, 98, 1174-1180. | 1.3 | 13 |
| 197 | Long-term impairment of <i>Streptococcus pneumoniae</i> lung clearance is observed after initial infection with influenza A virus but not human metapneumovirus in mice. <i>Journal of General Virology</i> , 2011, 92, 1662-1665. | 1.3 | 12 |
| 198 | Compartmentalization of a Multidrug-Resistant Cytomegalovirus UL54 Mutant in a Stem Cell Transplant Recipient with Encephalitis. <i>Journal of Infectious Diseases</i> , 2019, 220, 1302-1306. | 1.9 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Evaluation of pre- and post-fusion Human metapneumovirus F proteins as subunit vaccine candidates in mice. <i>Vaccine</i> , 2020, 38, 2122-2127. | 1.7 | 12 |
| 200 | Protective role of CX3CR1 signalling in resident cells of the central nervous system during experimental herpes simplex virus encephalitis. <i>Journal of General Virology</i> , 2017, 98, 447-460. | 1.3 | 12 |
| 201 | Parenteral Peramivir Treatment for Oseltamivir-Resistant 2009 Pandemic Influenza A H1N1 Viruses. <i>Journal of Infectious Diseases</i> , 2011, 204, 1641-1642. | 1.9 | 11 |
| 202 | Analysis of HHV-6 mutations in solid organ transplant recipients at the onset of cytomegalovirus disease and following treatment with intravenous ganciclovir or oral valganciclovir. <i>Journal of Clinical Virology</i> , 2013, 58, 279-282. | 1.6 | 11 |
| 203 | Evaluation of Epstein-Barr Virus, Human Herpesvirus 6 (HHV-6), and HHV-8 Antiviral Drug Susceptibilities by Use of Real-Time-PCR-Based Assays. <i>Journal of Clinical Microbiology</i> , 2013, 51, 1244-1246. | 1.8 | 11 |
| 204 | Effect of In Vitro Syncytium Formation on the Severity of Human Metapneumovirus Disease in a Murine Model. <i>PLoS ONE</i> , 2015, 10, e0120283. | 1.1 | 11 |
| 205 | Adjuvant effect of the human metapneumovirus (HMPV) matrix protein in HMPV subunit vaccines. <i>Journal of General Virology</i> , 2015, 96, 767-774. | 1.3 | 11 |
| 206 | The I427T neuraminidase (NA) substitution, located outside the NA active site of an influenza A(H1N1)pdm09 variant with reduced susceptibility to NA inhibitors, alters NA properties and impairs viral fitness. <i>Antiviral Research</i> , 2017, 137, 6-13. | 1.9 | 11 |
| 207 | Zika-Induced Male Infertility in Mice Is Potentially Reversible and Preventable by Deoxyribonucleic Acid Immunization. <i>Journal of Infectious Diseases</i> , 2019, 219, 365-374. | 1.9 | 11 |
| 208 | The REinfection in COVID-19 Estimation of Risk (RECOVER) study: Reinfection and serology dynamics in a cohort of Canadian healthcare workers. <i>Influenza and Other Respiratory Viruses</i> , 2022, 16, 916-925. | 1.5 | 11 |
| 209 | Strain-Dependent Impact of G and SH Deletions Provide New Insights for Live-Attenuated HMPV Vaccine Development. <i>Vaccines</i> , 2019, 7, 164. | 2.1 | 10 |
| 210 | Novel calixarene-based surfactant enables low dose split inactivated vaccine protection against influenza infection. <i>Vaccine</i> , 2020, 38, 278-287. | 1.7 | 10 |
| 211 | Antiviral Drugs Against Herpesviruses. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1322, 1-30. | 0.8 | 10 |
| 212 | Infectivity of healthcare workers diagnosed with coronavirus disease 2019 (COVID-19) approximately 2 weeks after onset of symptoms: A cross-sectional study. <i>Infection Control and Hospital Epidemiology</i> , 2022, 43, 102-104. | 1.0 | 10 |
| 213 | Emergence of an Oseltamivir-Resistant Influenza A/H3N2 Virus in an Elderly Patient Receiving a Suboptimal Dose of Antiviral Prophylaxis. <i>Journal of Clinical Microbiology</i> , 2013, 51, 4234-4236. | 1.8 | 9 |
| 214 | Cytomegalovirus quantification in plasma with Abbott RealTime CMV and Roche Cobas Amplicor CMV assays. <i>Journal of Virological Methods</i> , 2015, 225, 1-3. | 1.0 | 9 |
| 215 | The combination of oseltamivir with azithromycin does not show additional benefits over oseltamivir monotherapy in mice infected with influenza A(H1N1)pdm2009 virus. <i>Journal of Medical Virology</i> , 2017, 89, 2239-2243. | 2.5 | 9 |
| 216 | In vitro and in vivo evidence of a potential A(H1N1)pdm09 antigenic drift mediated by escape mutations in the haemagglutinin Sa antigenic site. <i>Journal of General Virology</i> , 2017, 98, 1224-1231. | 1.3 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Single-cell transcriptomics of the ventral posterolateral nucleus-enriched thalamic regions from HSV-1-infected mice reveal a novel microglia/microglia-like transcriptional response. <i>Journal of Neuroinflammation</i> , 2022, 19, 81. | 3.1 | 9 |
| 218 | In Vitro Properties and Virulence of Contemporary Recombinant Influenza B Viruses Harboring Mutations of Cross-Resistance to Neuraminidase Inhibitors. <i>Viruses</i> , 2019, 11, 6. | 1.5 | 8 |
| 219 | Impact of Amino Acid Substitutions in Region II and Helix K of Herpes Simplex Virus 1 and Human Cytomegalovirus DNA Polymerases on Resistance to Foscarnet. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0039021. | 1.4 | 8 |
| 220 | Predominant role of IPS-1 over TRIF adaptor proteins in early innate immune response against Zika virus in mice. <i>Journal of General Virology</i> , 2018, 99, 209-218. | 1.3 | 8 |
| 221 | Both Cerebral and Hematopoietic Deficiencies in CCR2 Result in Uncontrolled Herpes Simplex Virus Infection of the Central Nervous System in Mice. <i>PLoS ONE</i> , 2016, 11, e0168034. | 1.1 | 8 |
| 222 | Reduced Susceptibility to Neuraminidase Inhibitors in Influenza B Isolate, Canada. <i>Emerging Infectious Diseases</i> , 2019, 25, 838-840. | 2.0 | 7 |
| 223 | Genetics of symptom remission in outpatients with COVID-19. <i>Scientific Reports</i> , 2021, 11, 10847. | 1.6 | 7 |
| 224 | Seroconversion to Seasonal Influenza Viruses after A(H1N1)pdm09 Virus Infection, Quebec, Canada. <i>Emerging Infectious Diseases</i> , 2012, 18, 1132-4. | 2.0 | 6 |
| 225 | Impact of R152K and R368K neuraminidase catalytic substitutions on in vitro properties and virulence of recombinant A(H1N1)pdm09 viruses. <i>Antiviral Research</i> , 2018, 154, 110-115. | 1.9 | 6 |
| 226 | Engineering of Live Chimeric Vaccines against Human Metapneumovirus. <i>Pathogens</i> , 2020, 9, 135. | 1.2 | 6 |
| 227 | Human Respiratory Syncytial Virus-Induced Immune Signature of Infection Revealed by Transcriptome Analysis of Clinical Pediatric Nasopharyngeal Swab Samples. <i>Journal of Infectious Diseases</i> , 2021, 223, 1052-1061. | 1.9 | 6 |
| 228 | Droplet Digital PCR and Immunohistochemistry Techniques to Detect Zika Virus in the Central Nervous System of Mice. <i>Methods in Molecular Biology</i> , 2020, 2142, 41-57. | 0.4 | 6 |
| 229 | Molecular Pathway of Influenza Pan-neuraminidase Inhibitor Resistance in an Immunocompromised Patient. <i>Antiviral Therapy</i> , 2019, 24, 581-587. | 0.6 | 6 |
| 230 | Avian Cell Line DuckCelt [®] -T17 Is an Efficient Production System for Live-Attenuated Human Metapneumovirus Vaccine Candidate Metavac [®] . <i>Vaccines</i> , 2021, 9, 1190. | 2.1 | 6 |
| 231 | Recalibrated estimates of non-bacteremic and bacteremic pneumococcal community acquired pneumonia in hospitalized Canadian adults from 2010 to 2017 with addition of an extended spectrum serotype-specific urine antigen detection assay. <i>Vaccine</i> , 2022, 40, 2635-2646. | 1.7 | 6 |
| 232 | Diagnosis of Viral Infections. , 0, , 291-319. | | 5 |
| 233 | A Cluster of Three Cases of <i>Hantavirus</i> Pulmonary Syndrome among Canadian Military Personnel. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2016, 2016, 1-4. | 0.7 | 5 |
| 234 | Impact of a large deletion in the neuraminidase protein identified in a laninamivir [®] -selected influenza A/Brisbane/10/2007 (H3N2) variant on viral fitness <i>in vitro</i> and in ferrets. <i>Influenza and Other Respiratory Viruses</i> , 2016, 10, 122-126. | 1.5 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 235 | Peramivir susceptibilities of recombinant influenza A and B variants selected with various neuraminidase inhibitors. <i>Antiviral Therapy</i> , 2017, 22, 711-716. | 0.6 | 5 |
| 236 | Design and Validation with Influenza A Virus of an Aerosol Transmission Chamber for Ferrets. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 609. | 1.2 | 5 |
| 237 | The recruitment of peripheral blood leukocytes to the brain is delayed in susceptible BALB/c compared to resistant C57BL/6 mice during herpes simplex virus encephalitis. <i>Journal of NeuroVirology</i> , 2019, 25, 372-383. | 1.0 | 4 |
| 238 | Effects of Different Drug Combinations in Immunodeficient Mice Infected with an Influenza A/H3N2 Virus. <i>Microorganisms</i> , 2020, 8, 1968. | 1.6 | 4 |
| 239 | Hypersusceptibility of Human Cytomegalovirus to Foscarnet Induced by Mutations in Helices K and P of the Viral DNA Polymerase. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, . | 1.4 | 4 |
| 240 | Fitness of influenza A and B viruses with reduced susceptibility to baloxavir: A mini-review. <i>Reviews in Medical Virology</i> , 2021, 31, e2175. | 3.9 | 4 |
| 241 | DNA polymerases of herpesviruses and their inhibitors. <i>The Enzymes</i> , 2021, 50, 79-132. | 0.7 | 4 |
| 242 | Droplet digital PCR to investigate quasi-species at codons 119 and 275 of the A(H1N1)pdm09 neuraminidase during zanamivir and oseltamivir therapies. <i>Journal of Medical Virology</i> , 2017, 89, 737-741. | 2.5 | 3 |
| 243 | Comparison of early and recent influenza A(H1N1)pdm09 isolates harboring or not the H275Y neuraminidase mutation, in vitro and in animal models. <i>Antiviral Research</i> , 2018, 159, 26-34. | 1.9 | 3 |
| 244 | Molecular and epidemiologic investigation of a rhinovirus outbreak in a neonatal intensive care unit. <i>Infection Control and Hospital Epidemiology</i> , 2019, 40, 245-247. | 1.0 | 3 |
| 245 | Differential impact of various substitutions at codon 715 in region II of HSV-1 and HCMV DNA polymerases. <i>Antiviral Research</i> , 2021, 188, 105046. | 1.9 | 3 |
| 246 | A novel bioluminescent herpes simplex virus 1 for in vivo monitoring of herpes simplex encephalitis. <i>Scientific Reports</i> , 2021, 11, 18688. | 1.6 | 3 |
| 247 | Evaluation of anticoagulant agents for the treatment of human metapneumovirus infection in mice. <i>Journal of General Virology</i> , 2018, 99, 1367-1380. | 1.3 | 3 |
| 248 | Replication and transmission of an influenza A(H3N2) virus harboring the polymerase acidic I38T substitution, in guinea pigs. <i>Journal of General Virology</i> , 2021, 102, . | 1.3 | 3 |
| 249 | Heterosubtypic Protection Conferred by the Human Monoclonal Antibody PN-SIA28 against Influenza A Virus Lethal Infections in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2647-2653. | 1.4 | 2 |
| 250 | The Val430Ile neuraminidase (NA) substitution, identified in influenza B virus isolates, impacts the catalytic 116Arg residue causing reduced susceptibility to NA inhibitors. <i>Antiviral Research</i> , 2019, 170, 104561. | 1.9 | 2 |
| 251 | Antiviral Drug Resistance in Herpesviruses. , 2017, , 87-122. | | 2 |
| 252 | Herpesvirus Resistance to Antiviral Drugs. , 2017, , 1185-1211. | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Predictive risk factors for hospitalization and response to colchicine in patients with COVID-19. International Journal of Infectious Diseases, 2022, 116, 387-390. | 1.5 | 2 |
| 254 | In vitro activity of letermovir against human cytomegalovirus isolates with different drug susceptibility phenotypes. Antiviral Research, 2022, 202, 105328. | 1.9 | 2 |
| 255 | Duration of isolation and contagiousness in COVID-19 patients receiving tocilizumab and dexamethasone: a case series. Infection Control and Hospital Epidemiology, 2022, , 1-14. | 1.0 | 1 |
| 256 | Reply to "Calibration Technologies for Correct Determination of Epstein-Barr Virus, Human Herpesvirus 6 (HHV-6), and HHV-8 Antiviral Drug Susceptibilities by Use of Real-Time-PCR-Based Assays". Journal of Clinical Microbiology, 2013, 51, 2014-2014. | 1.8 | 0 |
| 257 | Antiviral Drug Resistance in Herpesviruses. , 2014, , 1-32. | | 0 |
| 258 | Resistance of Herpesviruses to Antiviral Agents. , 2018, , 233-267. | | 0 |
| 259 | Novel antiviral compounds and combination therapy for influenza viruses. Virologie, 2019, 23, 32-35. | 0.1 | 0 |
| 260 | Zika virus and impact on male fertility. , 2021, , 289-298. | | 0 |
| 261 | HUMAN PARAINFLUENZA 2 RELATED ILLNESS AND A DEATH IN A GROUP OF CAPTIVE WESTERN LOWLAND GORILLAS (GORILLA GORILLA GORILLA). Journal of Zoo and Wildlife Medicine, 2019, 50, 713. | 0.3 | 0 |