

Guy Boivin

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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.

252
papers

11,518
citations

60
h-index

97
g-index

271
ext. papers

13,166
ext. citations

7.4
avg. IF

6.47
L-index

#	Paper	IF	Citations
252	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, 1330-4	7	460
251	Human metapneumovirus infections in hospitalized children. <i>Emerging Infectious Diseases</i> , 2003 , 9, 634-40	10.2	352
250	Resistance of herpes simplex viruses to nucleoside analogues: mechanisms, prevalence, and management. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 459-72	5.9	344
249	Characterization of human metapneumoviruses isolated from patients in North America. <i>Journal of Infectious Diseases</i> , 2002 , 185, 1660-3	7	319
248	Quantitation of cytomegalovirus: methodologic aspects and clinical applications. <i>Clinical Microbiology Reviews</i> , 1998 , 11, 533-54	34	307
247	Influenza virus resistance to neuraminidase inhibitors. <i>Antiviral Research</i> , 2013 , 98, 174-85	10.8	251
246	Resistance of herpesviruses to antiviral drugs: clinical impacts and molecular mechanisms. <i>Drug Resistance Updates</i> , 2002 , 5, 88-114	23.2	238
245	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	11.6	222
244	Genetic diversity between human metapneumovirus subgroups. <i>Virology</i> , 2003 , 315, 1-9	3.6	191
243	Emergence of oseltamivir-resistant pandemic H1N1 virus during prophylaxis. <i>New England Journal of Medicine</i> , 2009 , 361, 2296-7	59.2	185
242	Respiratory tract reinfections by the new human Metapneumovirus in an immunocompromised child. <i>Emerging Infectious Diseases</i> , 2002 , 8, 976-8	10.2	184
241	Characterization of multidrug-resistant influenza A/H3N2 viruses shed during 1 year by an immunocompromised child. <i>Clinical Infectious Diseases</i> , 2006 , 43, 1555-61	11.6	162
240	An outbreak of severe respiratory tract infection due to human metapneumovirus in a long-term care facility. <i>Clinical Infectious Diseases</i> , 2007 , 44, 1152-8	11.6	157
239	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, 51-9	10.8	157
238	Systematic review of influenza resistance to the neuraminidase inhibitors. <i>BMC Infectious Diseases</i> , 2011 , 11, 134	4	147
237	Generation and characterization of recombinant influenza A (H1N1) viruses harboring amantadine resistance mutations. <i>Antimicrobial Agents and Chemotherapy</i> , 2005 , 49, 556-9	5.9	144
236	Human metapneumovirus: a new player among respiratory viruses. <i>Clinical Infectious Diseases</i> , 2004 , 38, 983-90	11.6	143

235	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, 1615-8	7	140
234	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, 3395-403	4.1	139
233	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, 1087-92	7	128
232	Generation and characterization of recombinant pandemic influenza A(H1N1) viruses resistant to neuraminidase inhibitors. <i>Journal of Infectious Diseases</i> , 2011 , 203, 25-31	7	122
231	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	1.6	122
230	Tumor necrosis factor-alpha and interleukin-1 beta play a critical role in the resistance against lethal herpes simplex virus encephalitis. <i>Journal of Infectious Diseases</i> , 2007 , 196, 853-60	7	121
229	Global genetic diversity of human metapneumovirus fusion gene. <i>Emerging Infectious Diseases</i> , 2004 , 10, 1154-7	10.2	111
228	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, 1598-602	7	111
227	Influenza Virus Susceptibility and Resistance to Oseltamivir. <i>Antiviral Therapy</i> , 2007 , 12, 603-616	1.6	111
226	Comparison of risk factors for human metapneumovirus and respiratory syncytial virus disease severity in young children. <i>Journal of Infectious Diseases</i> , 2012 , 206, 178-89	7	103
225	Antiviral drug resistance in herpesviruses other than cytomegalovirus. <i>Reviews in Medical Virology</i> , 2014 , 24, 186-218	11.7	101
224	Sequence analysis of the N, P, M and F genes of Canadian human metapneumovirus strains. <i>Virus Research</i> , 2003 , 93, 51-62	6.4	100
223	Comparative evaluation of real-time PCR assays for detection of the human metapneumovirus. <i>Journal of Clinical Microbiology</i> , 2003 , 41, 3631-5	9.7	99
222	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, 740-5	7	93
221	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, 1033-41	11.6	92
220	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	35.1	91
219	Pandemics Throughout History. <i>Frontiers in Microbiology</i> , 2020 , 11, 631736	5.7	89
218	Effect of ribavirin and glucocorticoid treatment in a mouse model of human metapneumovirus infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 774-7	5.9	88

217	Pathogenesis of human metapneumovirus lung infection in BALB/c mice and cotton rats. <i>Journal of Virology</i> , 2005 , 79, 8894-903	6.6	88
216	Modified cyclodextrins as broad-spectrum antivirals. <i>Science Advances</i> , 2020 , 6, eaax9318	14.3	87
215	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, 487-90	7	84
214	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	7	83
213	Importance of viral and bacterial infections in chronic obstructive pulmonary disease exacerbations. <i>Journal of Clinical Virology</i> , 2009 , 46, 129-33	14.5	83
212	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	2.6	80
211	A trial of valganciclovir prophylaxis for cytomegalovirus prevention in lung transplant recipients. <i>American Journal of Transplantation</i> , 2005 , 5, 1462-8	8.7	80
210	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	1.6	80
209	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	7.6	78
208	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, 743-50	8.7	78
207	DNA vaccination protects mice against Zika virus-induced damage to the testes. <i>Nature Communications</i> , 2017 , 8, 15743	17.4	76
206	Human metapneumovirus infection induces long-term pulmonary inflammation associated with airway obstruction and hyperresponsiveness in mice. <i>Journal of Infectious Diseases</i> , 2006 , 193, 1634-42	7	75
205	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, 54-8	7	74
204	Influenza virus susceptibility and resistance to oseltamivir. <i>Antiviral Therapy</i> , 2007 , 12, 603-16	1.6	73
203	Risk factors for hospitalization and severe outcomes of 2009 pandemic H1N1 influenza in Quebec, Canada. <i>Influenza and Other Respiratory Viruses</i> , 2011 , 5, 247-55	5.6	72
202	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, 1852-61	7	72
201	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, 10651-60	6.6	72
200	Cytomegalovirus resistance in solid organ transplant recipients treated with intravenous ganciclovir or oral valganciclovir. <i>Antiviral Therapy</i> , 2009 , 14, 697-704	1.6	69

199	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, 7820-9	6.6	67
198	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	5.4	67
197	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, 817-25	7	65
196	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, 1471-4	7	65
195	Infection with human metapneumovirus predisposes mice to severe pneumococcal pneumonia. <i>Journal of Virology</i> , 2009 , 83, 1341-9	6.6	64
194	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, E23-5	11.6	64
193	The distinguishing features of human metapneumovirus and respiratory syncytial virus. <i>Reviews in Medical Virology</i> , 2010 , 20, 245-60	11.7	62
192	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	1.8	60
191	Influenza drug resistance. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2011 , 32, 409-22	3.9	58
190	Role of permissive neuraminidase mutations in influenza A/Brisbane/59/2007-like (H1N1) viruses. <i>PLoS Pathogens</i> , 2011 , 7, e1002431	7.6	58
189	Sequence polymorphism of the predicted human metapneumovirus G glycoprotein. <i>Journal of General Virology</i> , 2004 , 85, 679-686	4.9	57
188	Susceptibility of recent Canadian influenza A and B virus isolates to different neuraminidase inhibitors. <i>Antiviral Research</i> , 2002 , 54, 143-7	10.8	57
187	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, 425-9	19.7	57
186	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, 1504-11	7	56
185	Activity of the neuraminidase inhibitor A-315675 against oseltamivir-resistant influenza neuraminidases of N1 and N2 subtypes. <i>Antiviral Research</i> , 2008 , 77, 163-6	10.8	56
184	Characterization of drug-resistant recombinant influenza A/H1N1 viruses selected in vitro with peramivir and zanamivir. <i>Antiviral Research</i> , 2007 , 74, 159-62	10.8	56
183	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, 664-72	7	54
182	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, 1074-80	7	52

181	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, 1208-14	5.9	51
180	Highly reliable heterologous system for evaluating resistance of clinical herpes simplex virus isolates to nucleoside analogues. <i>Journal of Virology</i> , 2001 , 75, 3105-10	6.6	50
179	Treatment of respiratory virus infections. <i>Antiviral Research</i> , 2006 , 70, 1-16	10.8	49
178	Identification and evaluation of a highly effective fusion inhibitor for human metapneumovirus. <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 279-87	5.9	46
177	A Reverse Genetics Study of Resistance to Neuraminidase Inhibitors in An Influenza A/H1N1 Virus. <i>Antiviral Therapy</i> , 2004 , 9, 577-581	1.6	46
176	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, 1726-34	7	43
175	Intrahost dynamics of antiviral resistance in influenza A virus reflect complex patterns of segment linkage, reassortment, and natural selection. <i>MBio</i> , 2015 , 6,	7.8	43
174	Standardization of Hemagglutination Inhibition Assay for Influenza Serology Allows for High Reproducibility between Laboratories. <i>Vaccine Journal</i> , 2016 , 23, 236-42		42
173	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	3.7	42
172	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	16.4	42
171	Herpesvirus DNA polymerases: Structures, functions and inhibitors. <i>Virus Research</i> , 2017 , 234, 177-192	6.4	41
170	Human metapneumovirus: enhanced pulmonary disease in cotton rats immunized with formalin-inactivated virus vaccine and challenged. <i>Vaccine</i> , 2007 , 25, 5034-40	4.1	41
169	Clinical development of letermovir and maribavir: Overview of human cytomegalovirus drug resistance. <i>Antiviral Research</i> , 2019 , 163, 91-105	10.8	40
168	Detection and management of antiviral resistance for influenza viruses. <i>Influenza and Other Respiratory Viruses</i> , 2013 , 7 Suppl 3, 18-23	5.6	40
167	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	4.1	39
166	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	3.5	38
165	Characterization of drug-resistant influenza virus A(H1N1) and A(H3N2) variants selected in vitro with laninamivir. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 5220-8	5.9	37
164	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, 208-13	14.5	37

163	Quantification of human herpesvirus 8 by real-time PCR in blood fractions of AIDS patients with Kaposi's sarcoma and multicentric Castleman's disease. <i>Journal of Medical Virology</i> , 2002 , 68, 399-403	19.7	37
162	Effectiveness of Influenza Vaccination on Hospitalizations and Risk Factors for Severe Outcomes in Hospitalized Patients With COPD. <i>Chest</i> , 2019 , 155, 69-78	5.3	36
161	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, 715-7	9.7	35
160	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, 209-18		35
159	A reverse genetics study of resistance to neuraminidase inhibitors in an influenza A/H1N1 virus. <i>Antiviral Therapy</i> , 2004 , 9, 577-81	1.6	35
158	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	3.7	34
157	A novel neuraminidase deletion mutation conferring resistance to oseltamivir in clinical influenza A/H3N2 virus. <i>Journal of Infectious Diseases</i> , 2009 , 199, 180-3	7	34
156	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, 1008-16	7	34
155	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	4.9	34
154	Emergence and prevalence of cytomegalovirus UL97 mutations associated with ganciclovir resistance in AIDS patients. <i>Aids</i> , 1998 , 12, 125-9	3.5	34
153	Impact of potential permissive neuraminidase mutations on viral fitness of the H275Y oseltamivir-resistant influenza A(H1N1)pdm09 virus in vitro, in mice and in ferrets. <i>Journal of Virology</i> , 2014 , 88, 1652-8	6.6	33
152	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	4.1	33
151	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, 321-4	14.5	33
150	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	3.7	33
149	Antiviral Agents in Development for Zika Virus Infections. <i>Pharmaceuticals</i> , 2019 , 12,	5.2	32
148	Genetic diversity and molecular evolution of the major human metapneumovirus surface glycoproteins over a decade. <i>Journal of Clinical Virology</i> , 2013 , 58, 541-7	14.5	32
147	Virus-like particle vaccine induces cross-protection against human metapneumovirus infections in mice. <i>Vaccine</i> , 2013 , 31, 2778-85	4.1	32
146	Divergent evolution of hemagglutinin and neuraminidase genes in recent influenza A:H3N2 viruses isolated in Canada. <i>Journal of Medical Virology</i> , 2002 , 67, 589-95	19.7	32

145	Evaluation of susceptibility of human herpesvirus 8 to antiviral drugs by quantitative real-time PCR. <i>Journal of Clinical Microbiology</i> , 2003 , 41, 3897-900	9.7	32
144	Human respiratory syncytial virus and other viral infections in infants receiving palivizumab. <i>Journal of Clinical Virology</i> , 2008 , 42, 52-7	14.5	31
143	Repurposing of Drugs as Novel Influenza Inhibitors From Clinical Gene Expression Infection Signatures. <i>Frontiers in Immunology</i> , 2019 , 10, 60	8.4	29
142	Innate immune response during herpes simplex virus encephalitis and development of immunomodulatory strategies. <i>Reviews in Medical Virology</i> , 2015 , 25, 300-19	11.7	29
141	Molecular evolution of respiratory syncytial virus fusion gene, Canada, 2006-2010. <i>Emerging Infectious Diseases</i> , 2012 , 18, 120-4	10.2	29
140	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, 31-7	10.8	29
139	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	7	29
138	Artesunate demonstrates in vitro synergism with several antiviral agents against human cytomegalovirus. <i>Antiviral Therapy</i> , 2016 , 21, 535-539	1.6	28
137	Novel method based on "en passant" 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, 3216-24	9.7	28
136	Modulation of protease activated receptor 1 influences human metapneumovirus disease severity in a mouse model. <i>PLoS ONE</i> , 2013 , 8, e72529	3.7	27
135	Herpes simplex virus isolates with reduced adefovir susceptibility selected in vivo by foscarnet therapy. <i>Journal of Medical Virology</i> , 2002 , 67, 88-91	19.7	27
134	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	11.6	27
133	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, 105-13	10.8	26
132	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	1	26
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, 1440-50	6.6	26
130	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, 7301-8	6.6	25
129	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, 2120-7	9.7	23
128	Infiltration Pattern of Blood Monocytes into the Central Nervous System during Experimental Herpes Simplex Virus Encephalitis. <i>PLoS ONE</i> , 2015 , 10, e0145773	3.7	23

127	Modulation of TLR9 response in a mouse model of herpes simplex virus encephalitis. <i>Antiviral Research</i> , 2012 , 96, 414-21	10.8	23
126	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, 4019-27	5.9	23
125	Design considerations in building in silico equivalents of common experimental influenza virus assays. <i>Autoimmunity</i> , 2011 , 44, 282-93	3	23
124	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	4.1	22
123	Targeted Proteomics of Human Metapneumovirus in Clinical Samples and Viral Cultures. <i>Analytical Chemistry</i> , 2015 , 87, 10247-54	7.8	22
122	Human metapneumovirus viral load is an important risk factor for disease severity in young children. <i>Journal of Clinical Virology</i> , 2014 , 60, 133-40	14.5	22
121	Phenotypic evaluation of previously uncharacterized cytomegalovirus DNA polymerase sequence variants detected in a valganciclovir treatment trial. <i>Journal of Infectious Diseases</i> , 2014 , 209, 1219-26	7	22
120	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, 579-83	7	22
119	Cytomegalovirus resistance in solid organ transplant recipients treated with intravenous ganciclovir or oral valganciclovir. <i>Antiviral Therapy</i> , 2009 , 14, 697-704	1.6	22
118	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	4.9	21
117	Longitudinal evaluation of herpes simplex virus DNA load during episodes of herpes labialis. <i>Journal of Clinical Virology</i> , 2006 , 37, 248-51	14.5	21
116	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	7	20
115	Recombinant phenotyping of cytomegalovirus sequence variants detected after 200 or 100 days of valganciclovir prophylaxis. <i>Transplantation</i> , 2010 , 90, 1409-13	1.8	20
114	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,	6.2	20
113	Cell Culture Systems To Study Human Herpesvirus 6A/B Chromosomal Integration. <i>Journal of Virology</i> , 2017 , 91,	6.6	19
112	Recent developments with live-attenuated recombinant paramyxovirus vaccines. <i>Reviews in Medical Virology</i> , 2013 , 23, 15-34	11.7	19
111	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, 911-3	3.6	19
110	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, 4043-6	9.7	19

109	Evaluation of serological diagnostic methods for the 2009 pandemic influenza A (H1N1) virus. <i>Vaccine Journal</i> , 2011 , 18, 520-2		19
108	Thymidine kinase mutations conferring acyclovir resistance in herpes simplex type 1 recombinant viruses. <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 3889-92	5.9	19
107	Three-dimensional modeling of cytomegalovirus DNA polymerase and preliminary analysis of drug resistance. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006 , 64, 301-7	4.2	19
106	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	3.7	19
105	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	5.6	19
104	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	1.6	19
103	Characterization of cellular transcriptomic signatures induced by different respiratory viruses in human reconstituted airway epithelia. <i>Scientific Reports</i> , 2019 , 9, 11493	4.9	18
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