

# Guy Boivin

## List of Publications by Year in descending order

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261  
papers

14,571  
citations

15504

65  
h-index

25787

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.	4.0	527
2	Resistance of Herpes Simplex Viruses to Nucleoside Analogues: Mechanisms, Prevalence, and Management. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 459-472.	3.2	428
3	Human Metapneumovirus Infections in Hospitalized Children. <i>Emerging Infectious Diseases</i> , 2003, 9, 634-640.	4.3	395
4	Quantitation of Cytomegalovirus: Methodologic Aspects and Clinical Applications. <i>Clinical Microbiology Reviews</i> , 1998, 11, 533-554.	13.6	376
5	Characterization of Human Metapneumoviruses Isolated from Patients in North America. <i>Journal of Infectious Diseases</i> , 2002, 185, 1660-1663.	4.0	362
6	Pandemics Throughout History. <i>Frontiers in Microbiology</i> , 2020, 11, 631736.	3.5	330
7	Influenza virus resistance to neuraminidase inhibitors. <i>Antiviral Research</i> , 2013, 98, 174-185.	4.1	300
8	Resistance of herpesviruses to antiviral drugs: clinical impacts and molecular mechanisms. <i>Drug Resistance Updates</i> , 2002, 5, 88-114.	14.4	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.	8.4	266
10	Genetic diversity between human metapneumovirus subgroups. <i>Virology</i> , 2003, 315, 1-9.	2.4	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.	10.7	218
12	Respiratory Tract Re-infections by the New Human Metapneumovirus in an Immunocompromised Child. <i>Emerging Infectious Diseases</i> , 2002, 8, 976-978.	4.3	207
13	Emergence of Oseltamivir-Resistant Pandemic H1N1 Virus during Prophylaxis. <i>New England Journal of Medicine</i> , 2009, 361, 2296-2297.	27.0	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.	4.1	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.	5.8	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.	5.8	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.	3.8	172
18	Systematic review of influenza resistance to the neuraminidase inhibitors. <i>BMC Infectious Diseases</i> , 2011, 11, 134.	2.9	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.	3.2	169
20	Human Metapneumovirus: A New Player among Respiratory Viruses. <i>Clinical Infectious Diseases</i> , 2004, 38, 983-990.	5.8	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.	4.0	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.	1.0	155
23	Influenza Virus Susceptibility and Resistance to Oseltamivir. <i>Antiviral Therapy</i> , 2007, 12, 603-616.	1.0	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.	4.0	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.	4.0	136
26	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, 853-860.	4.0	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.	4.0	133
28	Modified cyclodextrins as broad-spectrum antivirals. <i>Science Advances</i> , 2020, 6, eaax9318.	10.3	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.	4.0	124
30	Global Genetic Diversity of Human Metapneumovirus Fusion Gene. <i>Emerging Infectious Diseases</i> , 2004, 10, 1154-1157.	4.3	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.	4.0	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.	3.9	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.	4.0	116
34	Antiviral drug resistance in herpesviruses other than cytomegalovirus. <i>Reviews in Medical Virology</i> , 2014, 24, 186-218.	8.3	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.	2.2	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.	3.1	112

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37	Viral Interference between Respiratory Viruses. <i>Emerging Infectious Diseases</i> , 2022, 28, 273-281.	4.3	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.	2.1	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.	3.2	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.	5.8	102
41	Pathogenesis of Human Metapneumovirus Lung Infection in BALB/c Mice and Cotton Rats. <i>Journal of Virology</i> , 2005, 79, 8894-8903.	3.4	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.	3.4	99
43	Importance of viral and bacterial infections in chronic obstructive pulmonary disease exacerbations. <i>Journal of Clinical Virology</i> , 2009, 46, 129-133.	3.1	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.	4.0	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.	3.4	91
46	DNA vaccination protects mice against Zika virus-induced damage to the testes. <i>Nature Communications</i> , 2017, 8, 15743.	12.8	90
47	A Trial of Valganciclovir Prophylaxis for Cytomegalovirus Prevention in Lung Transplant Recipients. <i>American Journal of Transplantation</i> , 2005, 5, 1462-1468.	4.7	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.	3.9	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.	4.0	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.	4.0	87
51	Cytomegalovirus resistance in solid organ transplant recipients treated with intravenous ganciclovir or oral valganciclovir. <i>Antiviral Therapy</i> , 2009, 14, 697-704.	1.0	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.	4.7	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.	1.4	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.	3.4	82

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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.	4.0	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.	1.0	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.	1.0	75
58	Influenza virus susceptibility and resistance to oseltamivir. <i>Antiviral Therapy</i> , 2007, 12, 603-16.	1.0	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.	4.0	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.	5.8	73
61	The distinguishing features of human metapneumovirus and respiratory syncytial virus. <i>Reviews in Medical Virology</i> , 2010, 20, 245-260.	8.3	73
62	Infection with Human Metapneumovirus Predisposes Mice to Severe Pneumococcal Pneumonia. <i>Journal of Virology</i> , 2009, 83, 1341-1349.	3.4	72
63	Role of Permissive Neuraminidase Mutations in Influenza A/Brisbane/59/2007-like (H1N1) Viruses. <i>PLoS Pathogens</i> , 2011, 7, e1002431.	4.7	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.	4.0	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.	4.0	69
66	Influenza Drug Resistance. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2011, 32, 409-422.	2.1	69
67	Herpesvirus DNA polymerases: Structures, functions and inhibitors. <i>Virus Research</i> , 2017, 234, 177-192.	2.2	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.	0.8	67
69	Clinical development of letermovir and maribavir: Overview of human cytomegalovirus drug resistance. <i>Antiviral Research</i> , 2019, 163, 91-105.	4.1	66
70	Susceptibility of recent Canadian influenza A and B virus isolates to different neuraminidase inhibitors. <i>Antiviral Research</i> , 2002, 54, 143-147.	4.1	64
71	Treatment of respiratory virus infections. <i>Antiviral Research</i> , 2006, 70, 1-16.	4.1	64
72	Sequence polymorphism of the predicted human metapneumovirus G glycoprotein. <i>Journal of General Virology</i> , 2004, 85, 679-686.	2.9	62

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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.	4.1	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.	5.0	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.	4.1	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.	4.0	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, .	4.1	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.	4.0	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.	3.4	56
80	Standardization of Hemagglutination Inhibition Assay for Influenza Serology Allows for High Reproducibility between Laboratories. <i>Vaccine Journal</i> , 2016, 23, 236-242.	3.1	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.	2.5	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.	4.0	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.	3.8	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.	3.2	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.	13.7	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.	3.8	52
87	Identification and Evaluation of a Highly Effective Fusion Inhibitor for Human Metapneumovirus. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 279-287.	3.2	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.	4.0	51
89	Detection and management of antiviral resistance for influenza viruses. <i>Influenza and Other Respiratory Viruses</i> , 2013, 7, 18-23.	3.4	50
90	Antiviral Agents in Development for Zika Virus Infections. <i>Pharmaceuticals</i> , 2019, 12, 101.	3.8	50

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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.	2.9	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.	2.6	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.	3.1	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.	2.5	46
95	Emergence and prevalence of cytomegalovirus UL97 mutations associated with ganciclovir resistance in AIDS patients. <i>Aids</i> , 1998, 12, 125-129.	2.2	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.	3.4	44
97	Repurposing of Drugs as Novel Influenza Inhibitors From Clinical Gene Expression Infection Signatures. <i>Frontiers in Immunology</i> , 2019, 10, 60.	4.8	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.	3.1	42
99	Immunomodulatory Strategies in Herpes Simplex Virus Encephalitis. <i>Clinical Microbiology Reviews</i> , 2020, 33, .	13.6	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.	3.1	41
101	Virus-like particle vaccine induces cross-protection against human metapneumovirus infections in mice. <i>Vaccine</i> , 2013, 31, 2778-2785.	3.8	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.	3.2	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.	5.0	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.	2.5	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.	5.8	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.	5.0	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.	3.9	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.	4.0	38

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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.	4.1	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.	3.9	37
111	Human respiratory syncytial virus and other viral infections in infants receiving palivizumab. <i>Journal of Clinical Virology</i> , 2008, 42, 52-57.	3.1	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.	4.0	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.	3.8	36
114	Artesunate Demonstrates <i>in vitro</i> Synergism with Several Antiviral Agents against Human Cytomegalovirus. <i>Antiviral Therapy</i> , 2016, 21, 535-539.	1.0	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.	0.9	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.	8.3	35
117	Targeted Proteomics of Human Metapneumovirus in Clinical Samples and Viral Cultures. <i>Analytical Chemistry</i> , 2015, 87, 10247-10254.	6.5	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.	1.0	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.	3.1	34
120	Frailty Hinders Recovery From Influenza and Acute Respiratory Illness in Older Adults. <i>Journal of Infectious Diseases</i> , 2020, 222, 428-437.	4.0	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.	4.1	33
122	Modulation of Protease Activated Receptor 1 Influences Human Metapneumovirus Disease Severity in a Mouse Model. <i>PLoS ONE</i> , 2013, 8, e72529.	2.5	33
123	Characterization of cellular transcriptomic signatures induced by different respiratory viruses in human reconstituted airway epithelia. <i>Scientific Reports</i> , 2019, 9, 11493.	3.3	33
124	Molecular Evolution of Respiratory Syncytial Virus Fusion Gene, Canada, 2006-2010. <i>Emerging Infectious Diseases</i> , 2012, 18, 120-124.	4.3	31
125	Design considerations in building <i>in silico</i> equivalents of common experimental influenza virus assays. <i>Autoimmunity</i> , 2011, 44, 282-293.	2.6	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.	3.4	30



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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.	3.9	30
128	Cell Culture Systems To Study Human Herpesvirus 6A/B Chromosomal Integration. <i>Journal of Virology</i> , 2017, 91, .	3.4	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.	3.8	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.	5.0	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.	3.4	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.	3.2	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.	3.1	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.	2.5	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.	3.4	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.	3.9	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.	4.0	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.	3.2	26
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