

# David Boutolleau

## List of Publications by Year in descending order

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116  
papers

3,097  
citations

159358

30  
h-index

189595

50  
g-index

132  
all docs

132  
docs citations

132  
times ranked

4217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid decline of neutralizing antibodies against SARS-CoV-2 among infected healthcare workers. <i>Nature Communications</i> , 2021, 12, 844.	5.8	146
2	Drug-resistant cytomegalovirus in transplant recipients: a French cohort study. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 2628-2640.	1.3	141
3	Human Herpesvirus (HHV)â€™6 and HHVâ€™7: Two Closely Related Viruses with Different Infection Profiles in Stem Cell Transplantation Recipients. <i>Journal of Infectious Diseases</i> , 2003, 187, 179-186.	1.9	132
4	Retrospective Observational Study of Brain MRI Findings in Patients with Acute SARS-CoV-2 Infection and Neurologic Manifestations. <i>Radiology</i> , 2020, 297, E313-E323.	3.6	131
5	Resistance of herpes simplex viruses to acyclovir: An update from a ten-year survey in France. <i>Antiviral Research</i> , 2014, 111, 36-41.	1.9	120
6	An Anti-apoptotic Viral Protein That Recruits Bax to Mitochondria. <i>Journal of Biological Chemistry</i> , 2004, 279, 22605-22614.	1.6	111
7	Genotypic Characterization of UL23 Thymidine Kinase and UL30 DNA Polymerase of Clinical Isolates of Herpes Simplex Virus: Natural Polymorphism and Mutations Associated with Resistance to Antivirals. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4833-4842.	1.4	111
8	Exhausted Cytotoxic Control of Epstein-Barr Virus in Human Lupus. <i>PLoS Pathogens</i> , 2011, 7, e1002328.	2.1	111
9	Identification of human herpesvirus 6 variants A and B by primer-specific real-time PCR may help to revisit their respective role in pathology. <i>Journal of Clinical Virology</i> , 2006, 35, 257-263.	1.6	95
10	Multicenter Comparison of PCR Assays for Detection of Human Herpesvirus 6 DNA in Serum. <i>Journal of Clinical Microbiology</i> , 2008, 46, 2700-2706.	1.8	73
11	Incidence and risk factors for hemorrhagic cystitis in unmanipulated haploidentical transplant recipients. <i>Transplant Infectious Disease</i> , 2015, 17, 822-830.	0.7	72
12	Positive Regulation of CXCR4 Expression and Signaling by Interleukin-7 in CD4 + Mature Thymocytes Correlates with Their Capacity To Favor Human Immunodeficiency X4 Virus Replication. <i>Journal of Virology</i> , 2003, 77, 5784-5793.	1.5	68
13	Utilization of Microsatellite Polymorphism for Differentiating Herpes Simplex Virus Type 1 Strains. <i>Journal of Clinical Microbiology</i> , 2009, 47, 533-540.	1.8	68
14	Human herpesvirus-6 (HHV-6) DNA in plasma reflects the presence of infected blood cells rather than circulating viral particles. <i>Journal of Clinical Virology</i> , 2007, 38, 280-285.	1.6	66
15	Determinants of a Low CD4/CD8 Ratio in HIV-1â€™Infected Individuals Despite Long-term Viral Suppression. <i>Clinical Infectious Diseases</i> , 2016, 62, 1297-1303.	2.9	64
16	Surveillance of herpes simplex virus resistance to antivirals: A 4-year survey. <i>Antiviral Research</i> , 2013, 100, 365-372.	1.9	58
17	Human cytomegalovirus antiviral drug resistance in hematopoietic stem cell transplantation: current state of the art. <i>Reviews in Medical Virology</i> , 2016, 26, 161-182.	3.9	53
18	Quantitation of HHV-7 genome by real-time polymerase chain reaction assay using MGB probe technology. <i>Journal of Virological Methods</i> , 2002, 106, 11-16.	1.0	50

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19	Rapid Virological Diagnosis of Central Nervous System Infections by Use of a Multiplex Reverse Transcription-PCR DNA Microarray. <i>Journal of Clinical Microbiology</i> , 2011, 49, 3874-3879.	1.8	49
20	Ancient Recombination Events between Human Herpes Simplex Viruses. <i>Molecular Biology and Evolution</i> , 2017, 34, 1713-1721.	3.5	49
21	Co-infection of SARS-CoV-2 with other respiratory viruses and performance of lower respiratory tract samples for the diagnosis of COVID-19. <i>International Journal of Infectious Diseases</i> , 2021, 102, 10-13.	1.5	46
22	Human herpesvirusâ€6 infection: A prospective study evaluating HHVâ€6 DNA levels in liver from children with acute liver failure. <i>Journal of Medical Virology</i> , 2008, 80, 1051-1057.	2.5	44
23	Resistance pattern of cytomegalovirus (CMV) after oral valganciclovir therapy in transplant recipients at high-risk for CMV infection. <i>Antiviral Research</i> , 2009, 81, 174-179.	1.9	44
24	Cytomegalovirus Infection in Patients Who Underwent Allogeneic Hematopoietic Stem Cell Transplantation in Portugal: A Five-Year Retrospective Review. <i>Biology of Blood and Marrow Transplantation</i> , 2014, 20, 1958-1967.	2.0	41
25	A fatal case of Human Herpesvirus 6 chronic myocarditis in an immunocompetent adult. <i>Journal of Clinical Virology</i> , 2011, 52, 142-145.	1.6	40
26	Poor lymphocyte recovery following CD34-selected autologous peripheral blood stem cell transplantation for non-Hodgkin's lymphoma. <i>British Journal of Haematology</i> , 1999, 105, 349-360.	1.2	39
27	Different Mutations in the HHV-6 DNA Polymerase Gene Accounting for Resistance to Foscarnet. <i>Antiviral Therapy</i> , 2007, 12, 877-888.	0.6	35
28	Length variability of telomeric repeat sequences of human herpesvirus 6 DNA. <i>Journal of Virological Methods</i> , 2009, 159, 127-130.	1.0	34
29	Phenotypic and genotypic characterization of acyclovir-resistant corneal HSV-1 isolates from immunocompetent patients with recurrent herpetic keratitis. <i>Journal of Clinical Virology</i> , 2013, 58, 321-324.	1.6	33
30	Recurrent herpetic keratitis despite antiviral prophylaxis: A virological and pharmacological study. <i>Antiviral Research</i> , 2017, 146, 205-212.	1.9	32
31	Comparison of Anti-Viral Activity of Frog Skin Anti-Microbial Peptides Temporin-Sha and [K3]SHa to LL-37 and Temporin-Tb against Herpes Simplex Virus Type 1. <i>Viruses</i> , 2019, 11, 77.	1.5	32
32	Characterization of a cidofovir-resistant HHV-6 mutant obtained by in vitro selection. <i>Antiviral Research</i> , 2008, 77, 237-240.	1.9	31
33	Human NKG2A overrides NKG2C effector functions to prevent autoreactivity of NK cells. <i>Blood</i> , 2011, 117, 4394-4396.	0.6	29
34	Impact of novel mutations of herpes simplex virus 1 and 2 thymidine kinases on acyclovir phosphorylation activity. <i>Antiviral Research</i> , 2012, 96, 386-390.	1.9	29
35	Diagnostic challenges of central nervous system infection: extensive multiplex panels versus stepwise guided approach. <i>Clinical Microbiology and Infection</i> , 2020, 26, 706-712.	2.8	28
36	Clinical management of respiratory syndrome in patients hospitalized for suspected Middle East respiratory syndrome coronavirus infection in the Paris area from 2013 to 2016. <i>BMC Infectious Diseases</i> , 2018, 18, 331.	1.3	27

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37	Reactivation of human herpesvirus 6 during ex vivo expansion of circulating CD34+ haematopoietic stem cells. <i>Journal of General Virology</i> , 2004, 85, 3333-3336.	1.3	26
38	Temporal and Spatial Compartmentalization of Drug-Resistant Cytomegalovirus (CMV) in a Child with CMV Meningoencephalitis: Implications for Sampling in Molecular Diagnosis. <i>Journal of Clinical Microbiology</i> , 2013, 51, 4266-4269.	1.8	26
39	Low Titers of Serum Antibodies Inhibiting Hemagglutination Predict Fatal Fulminant Influenza A(H1N1) 2009 Infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 1240-1249.	2.5	26
40	Molecular Characterization of Herpes Simplex Virus 2 Strains by Analysis of Microsatellite Polymorphism. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3616-3623.	1.8	25
41	Detection of human herpesvirus 7 DNA in peripheral blood reflects mainly CD4+ cell count in patients infected with HIV. <i>Journal of Medical Virology</i> , 2005, 76, 223-228.	2.5	22
42	Human cytomegalovirus (CMV) susceptibility to currently approved antiviral drugs does not impact on CMV terminase complex polymorphism. <i>Antiviral Research</i> , 2014, 111, 8-12.	1.9	22
43	Bipolar Hypertrophic Herpes: An Unusual Presentation of Acyclovir-Resistant Herpes Simplex Type 2 in a HIV-Infected Patient. <i>Sexually Transmitted Diseases</i> , 2010, 37, 126-128.	0.8	21
44	Genetic Diversity within Alphaherpesviruses: Characterization of a Novel Variant of Herpes Simplex Virus 2. <i>Journal of Virology</i> , 2015, 89, 12273-12283.	1.5	21
45	Real-Time PCR as a Versatile Tool for Investigating the Susceptibility of Human Herpesvirus 6 to Antiviral Agents. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 3021-3024.	1.4	20
46	Fatal HHV-6 associated encephalitis in an HIV-1 infected patient treated with cidofovir. <i>Journal of Infection</i> , 2006, 52, 237-242.	1.7	20
47	Confirmation of the low clinical effect of human herpesvirus-6 and -7 infections after renal transplantation. <i>Journal of Medical Virology</i> , 2012, 84, 450-456.	2.5	19
48	Arguments to Support a Viral Origin of Oral Squamous Cell Carcinoma in Non-Smoker and Non-Drinker Patients. <i>Frontiers in Oncology</i> , 2020, 10, 822.	1.3	19
49	Genotypic characterization of human cytomegalovirus UL97 phosphotransferase natural polymorphism in the era of ganciclovir and maribavir. <i>Antiviral Research</i> , 2011, 91, 32-35.	1.9	18
50	Human herpesvirus 6-associated retrobulbar optic neuritis in an HIV-infected patient: response to anti-herpesvirus therapy and long-term outcome. <i>Journal of Medical Virology</i> , 2007, 79, 931-934.	2.5	17
51	Different expression of human herpesvirus-6 (HHV-6) load in whole blood may have a significant impact on the diagnosis of active infection. <i>Journal of Clinical Virology</i> , 2009, 46, 33-36.	1.6	17
52	Routine use of duplex real-time PCR assays including a commercial internal control for molecular diagnosis of opportunistic DNA virus infections. <i>Journal of Virological Methods</i> , 2012, 185, 136-141.	1.0	17
53	Microsatellite analysis of HSV-1 isolates: From oropharynx reactivation toward lung infection in patients undergoing mechanical ventilation. <i>Journal of Clinical Virology</i> , 2010, 47, 313-320.	1.6	16
54	Use of the Roche LightCycler® 480 system in a routine laboratory setting for molecular diagnosis of opportunistic viral infections: Evaluation on whole blood specimens and proficiency panels. <i>Journal of Virological Methods</i> , 2009, 159, 291-294.	1.0	15

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55	Characterization of the dynamics of human cytomegalovirus resistance to antiviral drugs by ultra-deep sequencing. <i>Antiviral Research</i> , 2020, 173, 104647.	1.9	15
56	Acyclovir-Resistant Herpes Simplex Virus 1 Keratitis: A Concerning and Emerging Clinical Challenge. <i>American Journal of Ophthalmology</i> , 2022, 238, 110-119.	1.7	15
57	Human Herpesvirus 6 Genome Integration: A Possible Cause of Misdiagnosis of Active Viral Infection?. <i>Journal of Infectious Diseases</i> , 2006, 194, 1019-1020.	1.9	14
58	Acyclovir-resistant varicella-zoster virus keratitis in an immunocompetent patient. <i>Journal of Clinical Virology</i> , 2013, 58, 318-320.	1.6	14
59	Early administration of ritonavir-boosted lopinavir could prevent severe COVID-19. <i>Journal of Infection</i> , 2021, 82, 159-198.	1.7	14
60	Is Human Herpesvirus-6 DNA in Plasma the Right Marker for Active Infection?. <i>Journal of Infectious Diseases</i> , 2006, 194, 1795-1796.	1.9	13
61	Testing the susceptibility of human herpesviruses to antivirals. <i>Future Microbiology</i> , 2009, 4, 1111-1123.	1.0	13
62	A European multi-centre External Quality Assessment (EQA) study on phenotypic and genotypic methods used for Herpes Simplex Virus (HSV) drug resistance testing. <i>Journal of Clinical Virology</i> , 2017, 96, 89-93.	1.6	13
63	No Evidence for a Major Risk of Roseolovirus Vertical Transmission During Pregnancy. <i>Clinical Infectious Diseases</i> , 2003, 36, 1634-1635.	2.9	12
64	Polymorphonuclear Leukocytes Mainly Contribute to Human Herpesvirus-6 Load in the Peripheral Blood of Patients. <i>Clinical Infectious Diseases</i> , 2006, 42, 1342-1343.	2.9	12
65	Clinical and Microbiological Evaluation of Travel-Associated Respiratory Tract Infections in Travelers Returning From Countries Affected by Pandemic A(H1N1) 2009 Influenza. <i>Journal of Travel Medicine</i> , 2012, 19, 22-27.	1.4	12
66	Detection of a new variant of herpes simplex virus type 2 among HIV-1-infected individuals. <i>Journal of Clinical Virology</i> , 2013, 57, 267-269.	1.6	12
67	Management of Multidrug-Resistant CMV Infection in Immunocompromised Patients: Case Report of a Heart-Transplant Recipient and Review of the Literature. <i>Antiviral Therapy</i> , 2015, 20, 249-254.	0.6	12
68	Utility of ultra-deep sequencing for detection of varicella-zoster virus antiviral resistance mutations. <i>Antiviral Research</i> , 2018, 151, 20-23.	1.9	12
69	Pritelivir for recurrent aciclovir-resistant herpes simplex virus 2 infections in immunocompromised patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 2303-2305.	1.3	12
70	Herpes simplex virus, varicella-zoster virus and cytomegalovirus keratitis: Facts for the clinician. <i>Ocular Surface</i> , 2023, 28, 336-350.	2.2	11
71	Meningitis Caused by the Live Varicella Vaccine Virus: Metagenomic Next Generation Sequencing, Immunology Exome Sequencing and Cytokine Multiplex Profiling. <i>Viruses</i> , 2021, 13, 2286.	1.5	11
72	Emergence of cytomegalovirus resistance to foscarnet in a patient receiving foscarnet salvage therapy for multidrug-resistant HIV infection. <i>Journal of Clinical Virology</i> , 2012, 54, 194-196.	1.6	10

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73	Adenovirus related lymphohistiocytic hemophagocytosis: Case report and literature review. <i>Journal of Clinical Virology</i> , 2016, 78, 53-56.	1.6	10
74	Genotypic resistance of cytomegalovirus to antivirals in hematopoietic stem cell transplant recipients from Portugal: A retrospective study. <i>Antiviral Research</i> , 2017, 138, 86-92.	1.9	10
75	Neutralization Heterogeneity of UK and South African Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Variants in BNT162b2-Vaccinated or Convalescent Coronavirus Disease 2019 (COVID-19) Healthcare Workers. <i>Clinical Infectious Diseases</i> , 2022, 74, 707-710.	2.9	10
76	Persistence of DNA in cell cultures may jeopardize the analysis of human herpesvirus 6 dynamics by means of real-time PCR. <i>Journal of Virological Methods</i> , 2005, 125, 95-98.	1.0	9
77	Is human herpesvirus-7 a marker or a competitor for HIV progression?. <i>Aids</i> , 2004, 18, 358-359.	1.0	8
78	Complementary assays for monitoring susceptibility of varicella-zoster virus resistance to antivirals. <i>Journal of Virological Methods</i> , 2016, 233, 10-14.	1.0	8
79	Added value of ultra-deep sequencing (UDS) approach for detection of genotypic antiviral resistance of herpes simplex virus (HSV). <i>Antiviral Research</i> , 2019, 168, 128-133.	1.9	8
80	Genotypic characterization of herpes simplex virus DNA polymerase UL42 processivity factor. <i>Antiviral Research</i> , 2012, 93, 199-203.	1.9	7
81	High conservation of herpes simplex virus UL5/UL52 helicase-primase complex in the era of new antiviral therapies. <i>Antiviral Research</i> , 2016, 128, 1-6.	1.9	7
82	Procalcitonin for clinical decisions on influenza-like illness in emergency department during influenza a(H1N1)2009 pandemic. <i>Biomarkers</i> , 2018, 23, 10-13.	0.9	7
83	Antiviral effects of Cacicol <sup>®</sup> , a heparan sulfate biomimetic for corneal regeneration therapy, for herpes simplex virus type-1 and varicella zoster virus infection. <i>Antiviral Therapy</i> , 2018, 23, 665-675.	0.6	7
84	Input of recombinant phenotyping for the characterization of a novel acyclovir-resistance mutation identified in a patient with recurrent herpetic keratitis. <i>Antiviral Research</i> , 2019, 168, 183-186.	1.9	7
85	Genetic analysis and putative role in resistance to antivirals of the human cytomegalovirus DNA polymerase UL44 processivity factor. <i>Antiviral Therapy</i> , 2009, 14, 847-852.	0.6	6
86	The First Locally Acquired Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection in a Healthcare Worker in the Paris Area. <i>Clinical Infectious Diseases</i> , 2020, 71, e530-e531.	2.9	6
87	Association between cytomegalovirus infection and allograft rejection in a large contemporary cohort of heart transplant recipients. <i>Transplant Infectious Disease</i> , 2021, 23, e13569.	0.7	6
88	Long-term follow-up of HIV-infected patients once diagnosed with acyclovir-resistant herpes simplex virus infection. <i>International Journal of STD and AIDS</i> , 2014, 25, 676-682.	0.5	5
89	Impact of HIV infection on herpes simplex virus type 2 genetic variability among co-infected individuals. <i>Journal of Medical Virology</i> , 2015, 87, 357-365.	2.5	5
90	Detection of Pandemic (H1N1) 2009 Virus in Patients Treated with Oseltamivir. <i>Emerging Infectious Diseases</i> , 2010, 16, 351-352.	2.0	3

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91	Helicase-Primase Inhibitor Pritelivir for HSV-2 Infection. <i>New England Journal of Medicine</i> , 2014, 370, 1663-1664.	13.9	3
92	Validation of the QIA Symphony RGQ system for DNA quantitation of different BK virus genotypes in whole blood samples. <i>Journal of Virological Methods</i> , 2014, 196, 32-35.	1.0	3
93	Immediate Impact of Induction Treatment on Postvaccination SARS-CoV-2 Serology in Kidney Transplant Recipients. <i>Transplantation</i> , 2021, 105, e135-e136.	0.5	3
94	Surgical treatment of a foscavir-resistant atypical Cytomegalovirus pneumonia in an allogeneic stem cell transplant recipient. <i>Haematologica</i> , 2008, 93, e39-e41.	1.7	2
95	Conservation of HHV-6 DNA polymerase processivity factor sequence and predicted structure suggests it as a target for antiviral development. <i>Antiviral Research</i> , 2010, 86, 316-319.	1.9	2
96	Herpes simplex virus type 2: Cluster of unrelated cases in an intensive care unit. <i>American Journal of Infection Control</i> , 2016, 44, 1178-1180.	1.1	2
97	Immune restoration therapy for multidrug-resistant CMV disease in an allogeneic stem cell transplant recipient. <i>Current Research in Translational Medicine</i> , 2022, 70, 103329.	1.2	2
98	Détection, quantification et analyse des génomes viraux dans les infections à herpesvirus humains 6 et 7 (HHV-6, HHV-7). <i>Immuno-Analyse Et Biologie Spécialisée</i> , 2003, 18, 191-198.	0.0	1
99	61: In vitro selection and characterization of human herpesvirus 6 strains resistant to foscarnet or cidofovir. <i>Journal of Clinical Virology</i> , 2006, 37, S113-S114.	1.6	1
100	Tenofovir Gel to Prevent HSV-2 Infection. <i>New England Journal of Medicine</i> , 2015, 373, 1980-1981.	13.9	1
101	Atypical ocular manifestation of primary varicella zoster virus infection as the first manifestation of AIDS. <i>Aids</i> , 2016, 30, 674-676.	1.0	1
102	Antivirales (à l'exception du VIH et de la hépatite). <i>EMC - Traité de Médecine</i> , 2017, 21, 1-10.	0.0	1
103	High conservation of varicella-zoster virus helicase-primase complex, the target of the new antiviral drug amenamevir. <i>Antiviral Research</i> , 2021, 195, 105189.	1.9	1
104	Quantification génomique : applications aux infections par les sixième et septième herpesvirus humains (HHV-6, HHV-7). <i>Revue Française Des Laboratoires</i> , 2003, 2003, 47-48.	0.0	0
105	5: In vitro analysis of human herpesvirus 6 (HHV-6) infection of polymorphonuclear leukocytes. <i>Journal of Clinical Virology</i> , 2006, 37, S98.	1.6	0
106	9: Human herpesvirus 6 variants A and B (HHV-6A and HHV-6B) exhibit different tropism for human fibroblasts. <i>Journal of Clinical Virology</i> , 2006, 37, S99.	1.6	0
107	17: Specific detection and quantification of human herpesvirus 6 (HHV-6) variants A and B. <i>Journal of Clinical Virology</i> , 2006, 37, S101.	1.6	0
108	PIX-3 Cytomegalovirus (CMV) resistance to antivirals in children and adult hematopoietic stem cell transplant recipients from the Czech Republic – a two centres experience. <i>Journal of Clinical Virology</i> , 2009, 46, S44.	1.6	0

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109	Infections à cytomégaloherpesvirus humain en transplantation: diagnostic virologique et traitement antiviral. <i>Journal Des Anti-infectieux</i> , 2011, 13, 238-245.	0.1	0
110	External quality assessment for herpes simplex virus Drug Resistance Testing: A French Feasibility Study. <i>Journal of Clinical Virology</i> , 2015, 70, S110.	1.6	0
111	Prise en charge thérapeutique des infections à herpès virus : traitements actuels et futurs. <i>Revue Francophone Des Laboratoires</i> , 2016, 2016, 55-64.	0.0	0
112	Infections à cytomégaloherpesvirus en transplantation: manifestations cliniques, diagnostic virologique et prise en charge thérapeutique. <i>Journal Des Anti-infectieux</i> , 2016, 18, 70-78.	0.1	0
113	Caution is required for the interpretation of mutations in herpes simplex virus DNA polymerase for resistance to acyclovir. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 22, 695-696.	0.9	0
114	Post-herpetic encephalitis cerebral abscess: Viral reactivation or latency site within central nervous system?. <i>Current Research in Translational Medicine</i> , 2021, 69, 103297.	1.2	0
115	FRIO157...EPSTEIN BARR VIRUS BLOOD REPLICATION INCREASES DURING ACTIVE SYSTEMIC LUPUS ERYTHEMATOSUS. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 662.3-662.	0.5	0
116	Preemptive acyclovir to prevent herpes simplex virus bronchopneumonitis in mechanically ventilated patients with herpes simplex virus oropharyngeal reactivation: An ancillary study of the preemptive treatment for herpesviridae trial. <i>Antiviral Therapy</i> , 2022, 27, 135965352110726.	0.6	0