Katja C Wolthers

List of Publications by Year
in descending order

119 papers	6,888 citations	81839 39 h-index	62565 80 g-index
122 all docs	122 docs citations	122 times ranked	7695 citing authors

#	Article	IF	Citations
1	Neutrophil Extracellular Traps Do Not Induce Injury and Inflammation in Well-Differentiated RSV-Infected Airway Epithelium. Cells, 2022, 11, 785.	1.8	2
2	Human Brain Organoids as Models for Central Nervous System Viral Infection. Viruses, 2022, 14, 634.	1.5	20
3	Apical-out airway organoids as a platform for studying viral infections and screening for antiviral drugs. Scientific Reports, 2022, 12, 7673.	1.6	23
4	Detection of intrathecal antibodies to diagnose enterovirus infections of the central nervous system. Journal of Clinical Virology, 2022, 152, 105190.	1.6	3
5	Bridging the gap between emerging models and humans by learning from polio animal studies: A systematic review. Clinical and Translational Discovery, 2022, 2, .	0.2	3
6	Diagnostic accuracy of VIDISCA-NGS in patients with suspected central nervous system infections. Clinical Microbiology and Infection, 2021, 27, 631.e7-631.e12.	2.8	7
7	World-Wide Prevalence and Genotype Distribution of Enteroviruses. Viruses, 2021, 13, 434.	1.5	55
8	Neutralising Antibodies against Enterovirus and Parechovirus in IVIG Reflect General Circulation: A Tool for Sero-Surveillance. Viruses, 2021, 13, 1028.	1.5	2
9	Molecular Epidemiology and Evolutionary Trajectory of Emerging Echovirus 30, Europe. Emerging Infectious Diseases, 2021, 27, 1616-1626.	2.0	18
10	European Non-Polio Enterovirus Network: Introduction of Hospital-Based Surveillance Network to Understand the True Disease Burden of Non-Polio Enterovirus and Parechovirus Infections in Europe. Microorganisms, 2021, 9, 1827.	1.6	18
11	Parechovirus A Infection of the Intestinal Epithelium: Differences Between Genotypes A1 and A3. Frontiers in Cellular and Infection Microbiology, 2021, 11, 740662.	1.8	9
12	Put Some Guts into It: Intestinal Organoid Models to Study Viral Infection. Viruses, 2020, 12, 1288.	1.5	14
13	A Perspective on Organoids for Virology Research. Viruses, 2020, 12, 1341.	1.5	24
14	Cerebral Organoids: A Human Model for AAV Capsid Selection and Therapeutic Transgene Efficacy in the Brain. Molecular Therapy - Methods and Clinical Development, 2020, 18, 167-175.	1.8	22
15	A Human 2D Primary Organoid-Derived Epithelial Monolayer Model to Study Host-Pathogen Interaction in the Small Intestine. Frontiers in Cellular and Infection Microbiology, 2020, 10, 272.	1.8	70
16	Recombination Analysis of Non-Poliovirus Members of the Enterovirus C Species: Restriction of Recombination Events to Members of the Same 3DPol Cluster. Viruses, 2020, 12, 706.	1.5	7
17	Parechovirus A prevalence in adults in The Netherlands. Archives of Virology, 2020, 165, 963-966.	0.9	6
18	Recommendations for the nomenclature of enteroviruses and rhinoviruses. Archives of Virology, 2020, 165, 793-797.	0.9	93

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19	Blood and cerebrospinal fluid characteristics in neonates with a suspected central nervous system infection. Medicine (United States), 2019, 98, e16079.	0.4	7
20	High frequency and diversity of parechovirus A in a cohort of Malawian children. Archives of Virology, 2019, 164, 799-806.	0.9	18
21	Parechovirus A Pathogenesis and the Enigma of Genotype A-3. Viruses, 2019, 11, 1062.	1.5	28
22	Seroepidemiology of Parechovirus A3 Neutralizing Antibodies, Australia, the Netherlands, and United States. Emerging Infectious Diseases, 2019, 25, 148-152.	2.0	15
23	Progress in human picornavirus research: New findings from the AIROPico consortium. Antiviral Research, 2019, 161, 100-107.	1.9	3
24	Highly sensitive parechovirus CODEHOP PCR amplification of the complete VP1 gene for typing directly from clinical specimens and correct typing based on phylogenetic clustering. Journal of Medical Microbiology, 2019, 68, 1194-1203.	0.7	4
25	Enterovirus D68 serosurvey: evidence for endemic circulation in the Netherlands, 2006 to 2016. Eurosurveillance, 2019, 24, .	3.9	24
26	Recommendations for enterovirus diagnostics and characterisation within and beyond Europe. Journal of Clinical Virology, 2018, 101, 11-17.	1.6	161
27	A chip-based rapid genotyping assay to discriminate between rhinovirus species A, B and C. Journal of Clinical Virology, 2018, 99-100, 10-14.	1.6	1
28	Human Parechovirus Meningitis with Adverse Neurodevelopmental Outcome. Pediatric Infectious Disease Journal, 2018, 37, e256-e257.	1.1	10
29	Human Parechovirus 1, 3 and 4 Neutralizing Antibodies in Dutch Mothers and Infants and Their Role in Protection Against Disease. Pediatric Infectious Disease Journal, 2018, 37, 1304-1308.	1.1	16
30	Congenital Cytomegalovirus Infection and the Occurrence of Cystic Periventricular Leukomalacia. Pediatric Neurology, 2018, 79, 59-60.	1.0	6
31	Epidemiology of Sepsis-like Illness in Young Infants. Pediatric Infectious Disease Journal, 2018, 37, 113-118.	1.1	38
32	Respiratory Viruses in a Primary Health Care Facility in Amsterdam, the Netherlands. Infectious Diseases in Clinical Practice, 2018, 26, 211-215.	0.1	1
33	Polarized Entry of Human Parechoviruses in the Airway Epithelium. Frontiers in Cellular and Infection Microbiology, 2018, 8, 294.	1.8	21
34	High frequency of Polio-like Enterovirus C strains with differential clustering of CVA-13 and EV-C99 subgenotypes in a cohort of Malawian children. Archives of Virology, 2018, 163, 2645-2653.	0.9	15
35	Rapid detection and monitoring of human coronavirus infections. New Microbes and New Infections, 2018, 24, 52-55.	0.8	33
36	Enterovirus 71 infection of human airway organoids reveals VP1-145 as a viral infectivity determinant. Emerging Microbes and Infections, 2018, 7, 1-9.	3.0	36

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37	Rapid Tests for Influenza, Respiratory Syncytial Virus, and Other Respiratory Viruses: A Systematic Review and Meta-analysis. Clinical Infectious Diseases, 2017, 65, 1026-1032.	2.9	132
38	Strain-dependent neutralization reveals antigenic variation of human parechovirus 3. Scientific Reports, 2017, 7, 12075.	1.6	30
39	Primary Human Renal-Derived Tubular Epithelial Cells Fail to Recognize and Suppress BK Virus Infection. Transplantation, 2017, 101, 1820-1829.	0.5	10
40	Reply to Vos et al. Clinical Infectious Diseases, 2017, 65, 1959-1959.	2.9	0
41	Diagnostic performance and clinical feasibility of a point-of-care test for respiratory viral infections in primary health care. Family Practice, 2017, 34, 558-563.	0.8	29
42	Prediction of Protection against Asian Enterovirus 71 Outbreak Strains by Cross-neutralizing Capacity of Serum from Dutch Donors, The Netherlands. Emerging Infectious Diseases, 2016, 22, 1562-1569.	2.0	20
43	Prolonged Shedding of Human Parechovirus in Feces of Young Children after Symptomatic Infection. Pediatric Infectious Disease Journal, 2016, 35, 580-583.	1.1	26
44	Rapid diagnosis of respiratory viral infections in primary health care. Journal of Clinical Virology, 2016, 82, S130.	1.6	0
45	A molecular epidemiological perspective of rhinovirus types circulating in Amsterdam from 2007 to 2012. Clinical Microbiology and Infection, 2016, 22, 1002.e9-1002.e14.	2.8	25
46	Prevalence of rhinoviruses in young children of an unselected birth cohort from the Netherlands. Clinical Microbiology and Infection, 2016, 22, 736.e9-736.e15.	2.8	20
47	Neurotropic virus infections as the cause of immediate and delayed neuropathology. Acta Neuropathologica, 2016, 131, 159-184.	3.9	223
48	Multiple capsid-stabilizing interactions revealed in a high-resolution structure of an emerging picornavirus causing neonatal sepsis. Nature Communications, 2016, 7, 11387.	5.8	34
49	Increase in ECHOvirus 6 infections associated with neurological symptoms in the Netherlands, June to August 2016. Eurosurveillance, 2016, 21, .	3.9	11
50	VIRO-TypeNed, systematic molecular surveillance of enteroviruses in the Netherlands between 2010 and 2014. Eurosurveillance, 2016, 21, .	3.9	16
51	Replication and Inhibitors of Enteroviruses and Parechoviruses. Viruses, 2015, 7, 4529-4562.	1.5	117
52	An atypical course of coxsackievirus A6 associated hand, foot and mouth disease in extremely low birth weight preterm twins. Journal of Clinical Virology, 2015, 65, 20-22.	1.6	5
53	Genetic and antigenic structural characterization for resistance of echovirus 11 to pleconaril in an immunocompromised patient. Journal of General Virology, 2015, 96, 571-579.	1.3	12
54	Human Memory B Cells Producing Potent Cross-Neutralizing Antibodies against Human Parechovirus: Implications for Prevalence, Treatment, and Diagnosis. Journal of Virology, 2015, 89, 7457-7464.	1.5	23

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55	Structural Basis of Human Parechovirus Neutralization by Human Monoclonal Antibodies. Journal of Virology, 2015, 89, 9571-9580.	1.5	32
56	Changes in microbiota during experimental human Rhinovirus infection. BMC Infectious Diseases, 2015, 15, 336.	1.3	46
57	Clinical, virological and epidemiological characteristics of rhinovirus infections in early childhood: A comparison between non-hospitalised and hospitalised children. Journal of Clinical Virology, 2015, 73, 120-126.	1.6	22
58	Evaluation of a rapid antigen detection point-of-care test for respiratory syncytial virus and influenza in a pediatric hospitalized population in the Netherlands. Diagnostic Microbiology and Infectious Disease, 2014, 80, 292-293.	0.8	20
59	Clinical relevance of positive human parechovirus type 1 and 3 PCR in stool samples. Clinical Microbiology and Infection, 2014, 20, O640-O647.	2.8	24
60	Evaluation of coagulation activation after Rhinovirus infection in patients with asthma and healthy control subjects: an observational study. Respiratory Research, 2014, 15, 14.	1.4	21
61	Persistent spiking fever in a child with acute myeloid leukemia and disseminated infection with enterovirus. Journal of Clinical Virology, 2014, 61, 453-455.	1.6	7
62	The need for concerted action against the cousins of poliovirus. Future Virology, 2014, 9, 541-543.	0.9	0
63	Presence of human non-polio enterovirus and parechovirus genotypes in an Amsterdam hospital in 2007 to 2011 compared to national and international published surveillance data: a comprehensive review. Eurosurveillance, 2014, 19, .	3.9	39
64	Growth characteristics of human parechovirus 1 to 6 on different cell lines and cross-neutralization of human parechovirus antibodies: a comparison of the cytopathic effect and real time PCR. Virology Journal, 2013, 10, 146.	1.4	20
65	Pleurodynia caused by an echovirus 1 brought back from the tropics. Journal of Clinical Virology, 2013, 58, 490-493.	1.6	9
66	Human parechovirus seroprevalence in Finland and the Netherlands. Journal of Clinical Virology, 2013, 58, 211-215.	1.6	51
67	Human immunodeficiency virus type 1 gp120 envelope characteristics associated with disease progression differ in family members infected with genetically similar viruses. Journal of General Virology, 2013, 94, 20-29.	1.3	4
68	No Evidence of Viral Coinfection in Cerebrospinal Fluid From Patients With Community-Acquired Bacterial Meningitis. Journal of Infectious Diseases, 2013, 208, 182-184.	1.9	5
69	Successful IVIG Treatment of Human Parechovirus-Associated Dilated Cardiomyopathy in an Infant. Pediatrics, 2013, 132, e243-e247.	1.0	45
70	Systemic tryptophan and kynurenine catabolite levels relate to severity of rhinovirus-induced asthma exacerbation: a prospective study with a parallel-group design. Thorax, 2013, 68, 1122-1130.	2.7	50
71	Laboratory-based surveillance in the molecular era: the TYPENED model, a joint data-sharing platform for clinical and public health laboratories. Eurosurveillance, 2013, 18, 20387.	3.9	33
72	Pleconaril Revisited: Clinical Course of Chronic Enteroviral Meningoencephalitis after Treatment Correlates with In Vitro Susceptibility. Antiviral Therapy, 2012, 17, 459-466.	0.6	38

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73	Specific cell tropism and neutralization of human parechovirus types 1 and 3: implications for pathogenesis and therapy development. Journal of General Virology, 2012, 93, 2363-2370.	1.3	54
74	Development and Assay of RNA Transcripts of Enterovirus Species A to D, Rhinovirus Species A to C, and Human Parechovirus: Assessment of Assay Sensitivity and Specificity of Real-Time Screening and Typing Methods. Journal of Clinical Microbiology, 2012, 50, 2910-2917.	1.8	44
75	Evaluation of two (semi-)nested VP1 based-PCRs for typing enteroviruses directly from cerebral spinal fluid samples. Journal of Virological Methods, 2012, 185, 228-233.	1.0	7
76	Real-time PCR versus viral culture on urine as a gold standard in the diagnosis of congenital cytomegalovirus infection. Journal of Clinical Virology, 2012, 53, 167-170.	1.6	64
77	A fatal course of neonatal meningo-encephalitis. Journal of Clinical Virology, 2012, 55, 91-94.	1.6	3
78	Ten years of HIV testing with fourth generation assays: The Amsterdam experience. Journal of Clinical Virology, 2011, 52, S67-S69.	1.6	14
79	Internally Controlled, Generic Real-Time PCR for Quantification and Multiplex Real-Time PCR with Serotype-Specific Probes for Serotyping of Dengue Virus Infections. Advances in Virology, 2011, 2011, 1-9.	0.5	16
80	Parechoviruses in children: understanding a new infection. Current Opinion in Infectious Diseases, 2010, 23, 224-230.	1.3	128
81	Ongoing transmission of a single hepatitis B virus strain among men having sex with men in Amsterdam. Journal of Viral Hepatitis, 2010, 17, 108-114.	1.0	32
82	Recombination dynamics of human parechoviruses: investigation of type-specific differences in frequency and epidemiological correlates. Journal of General Virology, 2010, 91, 1229-1238.	1.3	64
83	The need for treatment against human parechoviruses: how, why and when?. Expert Review of Anti-Infective Therapy, 2010, 8, 1417-1429.	2.0	38
84	Comprehensive full-length sequence analyses of human parechoviruses: diversity and recombination. Journal of General Virology, 2010, 91, 145-154.	1.3	74
85	Detection of human enterovirus and human parechovirus (HPeV) genotypes from clinical stool samples: polymerase chain reaction and direct molecular typing, culture characteristics, and serotyping. Diagnostic Microbiology and Infectious Disease, 2010, 68, 166-173.	0.8	85
86	Two decades of hepatitis B infections among drug users in Amsterdam: Are they still a highâ€risk group?. Journal of Medical Virology, 2009, 81, 1163-1169.	2.5	11
87	Clinical Characteristics of Human Parechoviruses 4â€“6 Infections in Young Children. Pediatric Infectious Disease Journal, 2009, 28, 1008-1010.	1.1	60
88	High Prevalence of Human Parechovirus (HPeV) Genotypes in the Amsterdam Region and Identification of Specific HPeV Variants by Direct Genotyping of Stool Samples. Journal of Clinical Microbiology, 2008, 46, 3965-3970.	1.8	151
89	Rapid detection of human parechoviruses in clinical samples by real-time PCR. Journal of Clinical Virology, 2008, 41, 69-74.	1.6	113
90	Air travel as a risk factor for introduction of measles in a highly vaccinated population. Vaccine, 2008, 26, 5775-5777.	1.7	16

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91	Epidemiology and Clinical Associations of Human Parechovirus Respiratory Infections. Journal of Clinical Microbiology, 2008, 46, 3446-3453.	1.8	206
92	Widespread recombination within human parechoviruses: analysis of temporal dynamics and constraints. Journal of General Virology, 2008, 89, 1030-1035.	1.3	55
93	Human Parechoviruses as an Important Viral Cause of Sepsislike Illness and Meningitis in Young Children. Clinical Infectious Diseases, 2008, 47, 358-363.	2.9	227
94	Increase in HCV Incidence among Men Who Have Sex with Men in Amsterdam Most Likely Caused by Sexual Transmission. Journal of Infectious Diseases, 2007, 196, 230-238.	1.9	261
95	Major decline of hepatitis C virus incidence rate over two decades in a cohort of drug users. European Journal of Epidemiology, 2007, 22, 183-193.	2.5	110
96	Fourth Human Parechovirus Serotype. Emerging Infectious Diseases, 2006, 12, 1572-1575.	2.0	122
97	Viral dynamics after starting first-line HAART in HIV-1-infected children. Aids, 2006, 20, 517-523.	1.0	4
98	Regulatory Regions in the Rat Lactase-Phlorizin Hydrolase Gene that Control Cell-Specific Expression. Journal of Pediatric Gastroenterology and Nutrition, 2004, 39, 275-285.	0.9	6
99	Identification of a new human coronavirus. Nature Medicine, 2004, 10, 368-373.	15.2	1,573
100	A case of Mycoplasma hominis meningo-encephalitis in a full-term infant: rapid recovery after start of treatment with ciprofloxacin. European Journal of Pediatrics, 2003, 162, 514-516.	1.3	22
101	Initation of highly active antiretroviral therapy leads to an HIV-specific immune response in a seronegative infant. Aids, 2003, 17, 138-140.	1.0	1
102	Absolute Level of Epsteinâ€Barr Virus DNA in Human Immunodeficiency Virus Type 1 Infection Is Not Predictive of AIDSâ€Related Nonâ€Hodgkin Lymphoma. Journal of Infectious Diseases, 2002, 186, 405-409.	1.9	75
103	Therapeutic immune reconstitution in HIV-1-infected children is independent of their age and pretreatment immune status. Aids, 2001, 15, 2267-2275.	1.0	48
104	Dysfunctional Epstein-Barr virus (EBV)â€“specific CD8+T lymphocytes and increased EBV load in HIV-1 infected individuals progressing to AIDS-related non-Hodgkin lymphoma. Blood, 2001, 98, 146-155.	0.6	156
105	Molecular quantification of viral load in plasma allows for fast and accurate prediction of response to therapy of Epstein-Barr virus-associated lymphoproliferative disease after allogeneic stem cell transplantation. British Journal of Haematology, 2001, 113, 814-821.	1.2	92
106	T-Cell Dynamics and Renewal in HIV-1 Infection. , 2000, , 55-64.		2
107	Development of a Real-Time Quantitative Assay for Detection of Epstein-Barr Virus. Journal of Clinical Microbiology, 2000, 38, 712-715.	1.8	275
108	Evidence that human CD8+CD45RA+CD27â€“ cells are induced by antigen and evolve through extensive rounds of division. International Immunology, 1999, 11, 1027-1033.	1.8	160

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109	Normal Telomere Lengths in Naive and Memory CD4+ T Cells in HIV Type 1 Infection: A Mathematical Interpretation. AIDS Research and Human Retroviruses, 1999, 15, 1053-1062.	0.5	27
110	T Cell Dynamics in HIV-1 Infection. Advances in Immunology, 1999, 73, 301-327.	1.1	61
111	Limited CD4+ T-cell renewal in early HIV-1 infection: Effect of highly active antiretroviral therapy. Nature Medicine, 1998, 4, 794-801.	15.2	151
112	Rapid CD4+ T-cell turnover in HIV-1 infection: A paradigm revisited. Trends in Immunology, 1998, 19, 44-48.	7.5	67
113	Telomeres and HIV-1 infection: in search of exhaustion. Trends in Microbiology, 1998, 6, 144-147.	3.5	21
114	Functional B Cell Abnormalities in HIV Type 1 Infection: Role of CD40L and CD70. AIDS Research and Human Retroviruses, 1997, 13, 1023-1029.	0.5	50
115	Increased expression of CD80, CD86 and CD70 on T cells from HIV-infected individuals upon activationin vitro: regulation by CD4+ T cells. European Journal of Immunology, 1996, 26, 1700-1706.	1.6	73
116	Evidence for intact costimulation via CD28 and CD27 molecules in hyporesponsive T cells from human immunodeficiency virus-infected individuals. European Journal of Immunology, 1995, 25, 232-237.	1.6	28
117	New Human Parechoviruses: Six and Counting. , 0, , 53-74.		3
118	Human Parechoviruses, New Players in the Pathogenesis of Viral Meningitis. , 0, , .		2
119	Comorbidities, clinical characteristics and outcomes of COVID-19 in pediatric patients in a tertiary medical center in the Netherlands. World Journal of Pediatrics, 0, , .	0.8	1