

# Hendrik-Jan Thibaut

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

3,583  
citations

236612

25  
h-index

214527

47  
g-index

59  
all docs

59  
docs citations

59  
times ranked

6562  
citing authors

#	ARTICLE	IF	CITATIONS
1	Animal models for COVID-19. <i>Nature</i> , 2020, 586, 509-515.	13.7	705
2	The life cycle of non-polio enteroviruses and how to target it. <i>Nature Reviews Microbiology</i> , 2018, 16, 368-381.	13.6	275
3	Favipiravir at high doses has potent antiviral activity in SARS-CoV-2-infected hamsters, whereas hydroxychloroquine lacks activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26955-26965.	3.3	240
4	STAT2 signaling restricts viral dissemination but drives severe pneumonia in SARS-CoV-2 infected hamsters. <i>Nature Communications</i> , 2020, 11, 5838.	5.8	225
5	Itraconazole Inhibits Enterovirus Replication by Targeting the Oxysterol-Binding Protein. <i>Cell Reports</i> , 2015, 10, 600-615.	2.9	201
6	PLA2G16 represents a switch between entry and clearance of Picornaviridae. <i>Nature</i> , 2017, 541, 412-416.	13.7	168
7	Genome-wide CRISPR screening identifies TMEM106B as a proviral host factor for SARS-CoV-2. <i>Nature Genetics</i> , 2021, 53, 435-444.	9.4	162
8	A single-dose live-attenuated YF17D-vectored SARS-CoV-2 vaccine candidate. <i>Nature</i> , 2021, 590, 320-325.	13.7	148
9	Combating enterovirus replication: State-of-the-art on antiviral research. <i>Biochemical Pharmacology</i> , 2012, 83, 185-192.	2.0	133
10	Sialic acid-dependent cell entry of human enterovirus D68. <i>Nature Communications</i> , 2015, 6, 8865.	5.8	101
11	A Novel, Broad-Spectrum Inhibitor of Enterovirus Replication That Targets Host Cell Factor Phosphatidylinositol 4-Kinase III $\beta$ . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 4971-4981.	1.4	96
12	The microRNA-221/-222 cluster balances the antiviral and inflammatory response in viral myocarditis. <i>European Heart Journal</i> , 2015, 36, 2909-2919.	1.0	95
13	The SARS-CoV-2 and other human coronavirus spike proteins are fine-tuned towards temperature and proteases of the human airways. <i>PLoS Pathogens</i> , 2021, 17, e1009500.	2.1	91
14	Enterovirus D68 receptor requirements unveiled by haploid genetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1399-1404.	3.3	86
15	Selective Serotonin Reuptake Inhibitor Fluoxetine Inhibits Replication of Human Enteroviruses B and D by Targeting Viral Protein 2C. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 1952-1956.	1.4	81
16	Mutations in the Nonstructural Protein 3A Confer Resistance to the Novel Enterovirus Replication Inhibitor TTP-8307. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 1850-1857.	1.4	68
17	Broad-range inhibition of enterovirus replication by OSW-1, a natural compound targeting OSBP. <i>Antiviral Research</i> , 2015, 117, 110-114.	1.9	59
18	Antiviral Activity of Broad-Spectrum and Enterovirus-Specific Inhibitors against Clinical Isolates of Enterovirus D68. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 7782-7785.	1.4	54

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19	Towards the design of combination therapy for the treatment of enterovirus infections. <i>Antiviral Research</i> , 2011, 90, 213-217.	1.9	45
20	Role of enhanced receptor engagement in the evolution of a pandemic acute hemorrhagic conjunctivitis virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 397-402.	3.3	43
21	An affinity-enhanced, broadly neutralizing heavy chain-only antibody protects against SARS-CoV-2 infection in animal models. <i>Science Translational Medicine</i> , 2021, 13, eabi7826.	5.8	41
22	Binding of Glutathione to Enterovirus Capsids Is Essential for Virion Morphogenesis. <i>PLoS Pathogens</i> , 2014, 10, e1004039.	2.1	37
23	Molecular Biology and Inhibitors of Hepatitis A Virus. <i>Medicinal Research Reviews</i> , 2014, 34, 895-917.	5.0	31
24	Bypassing pan-enterovirus host factor PLA2G16. <i>Nature Communications</i> , 2019, 10, 3171.	5.8	31
25	9-Aryl purines as a Novel Class of Enterovirus Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 316-324.	2.9	28
26	Viral engagement with host receptors blocked by a novel class of tryptophan dendrimers that targets the 5-fold-axis of the enterovirus-A71 capsid. <i>PLoS Pathogens</i> , 2019, 15, e1007760.	2.1	26
27	Toward antiviral therapy/prophylaxis for rhinovirus-induced exacerbations of chronic obstructive pulmonary disease: challenges, opportunities, and strategies. <i>Reviews in Medical Virology</i> , 2016, 26, 21-33.	3.9	22
28	Efficient synthesis and anti-enteroviral activity of 9-aryl purines. <i>European Journal of Medicinal Chemistry</i> , 2012, 49, 279-288.	2.6	21
29	9-Norbornyl-6-chloropurine (NCP) induces cell death through GSH depletion-associated ER stress and mitochondrial dysfunction. <i>Free Radical Biology and Medicine</i> , 2016, 97, 223-235.	1.3	20
30	Limited evolution of the yellow fever virus 17d in a mouse infection model. <i>Emerging Microbes and Infections</i> , 2019, 8, 1734-1746.	3.0	18
31	MVA-CoV2-S Vaccine Candidate Neutralizes Distinct Variants of Concern and Protects Against SARS-CoV-2 Infection in Hamsters. <i>Frontiers in Immunology</i> , 2022, 13, 845969.	2.2	16
32	Identification of the Cell-Surface Protease ADAM9 as an Entry Factor for Encephalomyocarditis Virus. <i>MBio</i> , 2019, 10, .	1.8	15
33	Inflammatory rather than infectious insults play a role in exocrine tissue damage in a mouse model for coxsackievirus B4-induced pancreatitis. <i>Journal of Pathology</i> , 2009, 217, 633-641.	2.1	14
34	H1PVAT is a novel and potent early-stage inhibitor of poliovirus replication that targets VP1. <i>Antiviral Research</i> , 2014, 110, 1-9.	1.9	12
35	Hydantoin: The mechanism of its in vitro anti-enterovirus activity revisited. <i>Antiviral Research</i> , 2016, 133, 106-109.	1.9	10
36	Intra-host emergence of an enterovirus A71 variant with enhanced PSGL1 usage and neurovirulence. <i>Emerging Microbes and Infections</i> , 2019, 8, 1076-1085.	3.0	10

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37	enAsCas12a Enables CRISPR-Directed Evolution to Screen for Functional Drug Resistance Mutations in Sequences Inaccessible to SpCas9. <i>Molecular Therapy</i> , 2021, 29, 208-224.	3.7	8
38	A High-Throughput Yellow Fever Neutralization Assay. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	8
39	Potent neutralizing anti-SARS-CoV-2 human antibodies cure infection with SARS-CoV-2 variants in hamster model. <i>IScience</i> , 2022, 25, 104705.	1.9	8
40	Fitness and Virulence of a Coxsackievirus Mutant That Can Circumnavigate the Need for Phosphatidylinositol 4-Kinase Class III Beta. <i>Journal of Virology</i> , 2014, 88, 3048-3051.	1.5	7
41	High Incidence of SARS-CoV-2 Variant of Concern Breakthrough Infections Despite Residual Humoral and Cellular Immunity Induced by BNT162b2 Vaccination in Healthcare Workers: A Long-Term Follow-Up Study in Belgium. <i>Viruses</i> , 2022, 14, 1257.	1.5	7
42	Comparing immunogenicity and protective efficacy of the yellow fever 17D vaccine in mice. <i>Emerging Microbes and Infections</i> , 2021, 10, 2279-2290.	3.0	6
43	Biodistribution and environmental safety of a live-attenuated YF17D-vectored SARS-CoV-2 vaccine candidate. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022, 25, 215-224.	1.8	5
44	Use of Micro-Computed Tomography to Visualize and Quantify COVID-19 Efficiency in Free-Breathing Hamsters. <i>Methods in Molecular Biology</i> , 2022, 2410, 177-192.	0.4	5
45	Metabolically Improved Stem Cell Derived Hepatocyte-Like Cells Support HBV Life Cycle and Are a Promising Tool for HBV Studies and Antiviral Drug Screenings. <i>Biomedicines</i> , 2022, 10, 268.	1.4	2