

Johan Neyts

List of Publications by Year in Descending Order

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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.

678
papers

25,498
citations

78
h-index

123
g-index

844
ext. papers

30,592
ext. citations

7.4
avg, IF

7.08
L-index

#	Paper	IF	Citations
678	Antibody-mediated broad sarbecovirus neutralization through ACE2 molecular mimicry.. <i>Science</i> , 2022 , 375, eabm8143	33.3	23
677	Advances and gaps in SARS-CoV-2 infection models.. <i>PLoS Pathogens</i> , 2022 , 18, e1010161	7.6	13
676	Synthesis and antiviral activities of quinazolinamine-coumarin conjugates toward chikungunya and hepatitis C viruses.. <i>European Journal of Medicinal Chemistry</i> , 2022 , 232, 114164	6.8	1
675	The omicron (B.1.1.529) SARS-CoV-2 variant of concern does not readily infect Syrian hamsters.. <i>Antiviral Research</i> , 2022 , 198, 105253	10.8	27
674	Restriction of viral replication, rather than T cell immunopathology, drives lethality in MNV CR6-infected STAT1-deficient mice.. <i>Journal of Virology</i> , 2022 , jvi0206521	6.6	
673	Remdesivir, Molnupiravir and Nirmatrelvir remain active against SARS-CoV-2 Omicron and other variants of concern.. <i>Antiviral Research</i> , 2022 , 198, 105252	10.8	54
672	Ultralarge Virtual Screening Identifies SARS-CoV-2 Main Protease Inhibitors with Broad-Spectrum Activity against Coronaviruses.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	16
671	Antiviral Targets and Strategies to Treat and Prevent Human Norovirus Infections. <i>Methods and Principles in Medicinal Chemistry</i> , 2022 , 313-345	0.4	
670	Synthesis, X-ray crystallographic analysis, DFT studies and biological evaluation of triazolopyrimidines and 2-anilinopyrimidines. <i>Journal of Molecular Structure</i> , 2022 , 1252, 132092	3.4	0
669	Development and optimisation of a high-throughput screening assay for in vitro anti-SARS-CoV-2 activity: evaluation of 5676 phase 1 passed structures.. <i>Journal of Medical Virology</i> , 2022 ,	19.7	2
668	The SARS-CoV-2 Alpha variant exhibits comparable fitness to the D614G strain in a Syrian hamster model.. <i>Communications Biology</i> , 2022 , 5, 225	6.7	0
667	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	8.4	2
666	HIV protease inhibitors Nelfinavir and Lopinavir/Ritonavir markedly improve lung pathology in SARS-CoV-2-infected Syrian hamsters despite lack of an antiviral effect.. <i>Antiviral Research</i> , 2022 , 202, 105311	10.8	0
665	Antiviral Strategies Against (Non-polio) Picornaviruses. <i>Methods and Principles in Medicinal Chemistry</i> , 2022 , 347-365	0.4	
664	The oral protease inhibitor (PF-07321332) protects Syrian hamsters against infection with SARS-CoV-2 variants of concern.. <i>Nature Communications</i> , 2022 , 13, 719	17.4	11
663	Discovery of 2-Phenylquinolines with Broad-Spectrum Anti-coronavirus Activity.. <i>ACS Medicinal Chemistry Letters</i> , 2022 , 13, 855-864	4.3	0
662	SARS-CoV-2 Virion Infectivity and Cytokine Production in Primary Human Airway Epithelial Cells. <i>Viruses</i> , 2022 , 14, 951	6.2	0

661	Organotropic dendrons with high potency as HIV-1, HIV-2 and EV-A71 cell entry inhibitors.. <i>European Journal of Medicinal Chemistry</i> , 2022 , 237, 114414	6.8	
660	Comparing immunogenicity and protective efficacy of the yellow fever 17D vaccine in mice. <i>Emerging Microbes and Infections</i> , 2021 , 10, 2279-2290	18.9	0
659	A pan-serotype dengue virus inhibitor targeting the NS3-NS4B interaction. <i>Nature</i> , 2021 , 598, 504-509	50.4	17
658	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	17.5	7
657	Antibody-mediated broad sarbecovirus neutralization through ACE2 molecular mimicry 2021 ,		7
656	Clinical practices underlie COVID-19 patient respiratory microbiome composition and its interactions with the host. <i>Nature Communications</i> , 2021 , 12, 6243	17.4	9
655	A single-dose live-attenuated YF17D-vectored SARS-CoV-2 vaccine candidate. <i>Nature</i> , 2021 , 590, 320-325	50.4	74
654	Repurposing Drugs for Mayaro Virus: Identification of EIDD-1931, Favipiravir and Suramin as Mayaro Virus Inhibitors. <i>Microorganisms</i> , 2021 , 9,	4.9	2
653	Genome-wide CRISPR screening identifies TMEM106B as a proviral host factor for SARS-CoV-2. <i>Nature Genetics</i> , 2021 , 53, 435-444	36.3	62
652	Identification of Inhibitors of SARS-CoV-2 3CL-Pro Enzymatic Activity Using a Small Molecule in Vitro Repurposing Screen. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 1096-1110	5.9	31
651	Infection of zebrafish larvae with human norovirus and evaluation of the in vivo efficacy of small-molecule inhibitors. <i>Nature Protocols</i> , 2021 , 16, 1830-1849	18.8	5
650	Itraconazole for COVID-19: preclinical studies and a proof-of-concept randomized clinical trial. <i>EBioMedicine</i> , 2021 , 66, 103288	8.8	7
649	N-terminal domain antigenic mapping reveals a site of vulnerability for SARS-CoV-2. <i>Cell</i> , 2021 , 184, 2332-2347	50.2	916
648	Design, Synthesis, and Biological Evaluation of Peptidomimetic Aldehydes as Broad-Spectrum Inhibitors against Enterovirus and SARS-CoV-2. <i>Journal of Medicinal Chemistry</i> , 2021 ,	8.3	12
647	Structural basis for broad sarbecovirus neutralization by a human monoclonal antibody 2021 ,		14
646	ALG-097111, a potent and selective SARS-CoV-2 3-chymotrypsin-like cysteine protease inhibitor exhibits in vivo efficacy in a Syrian Hamster model. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 555, 134-139	3.4	14
645	Discovery of pan-ErbB inhibitors protecting from SARS-CoV-2 replication, inflammation, and lung injury by a drug repurposing screen 2021 ,		4
644	In vitro activity of itraconazole against SARS-CoV-2. <i>Journal of Medical Virology</i> , 2021 , 93, 4454-4460	19.7	9

643	Chemische Evolution antiviraler Wirkstoffe gegen Enterovirus D68 durch Proteintemplat-gesteuerte Knoevenagelreaktionen. <i>Angewandte Chemie</i> , 2021 , 133, 13405-13413	3.6	0
642	COVID-19 and the intensive care unit: vaccines to the rescue. <i>Intensive Care Medicine</i> , 2021 , 47, 786-789	14.5	2
641	Chemical Evolution of Antivirals Against Enterovirus D68 through Protein-Templated Knoevenagel Reactions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13294-13301	16.4	1
640	Comparing infectivity and virulence of emerging SARS-CoV-2 variants in Syrian hamsters. <i>EBioMedicine</i> , 2021 , 68, 103403	8.8	50
639	Structural Insights into the Mechanisms of Action of Functionally Distinct Classes of Chikungunya Virus Nonstructural Protein 1 Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65, e0256620	5.9	4
638	Multivalent Tryptophan- and Tyrosine-Containing [60]Fullerene Hexa-Adducts as Dual HIV and Enterovirus A71 Entry Inhibitors. <i>Chemistry - A European Journal</i> , 2021 , 27, 10700-10710	4.8	5
637	Discovery of novel furo[2,3-d]pyrimidin-2-one-1,3,4-oxadiazole hybrid derivatives as dual antiviral and anticancer agents that induce apoptosis. <i>Archiv Der Pharmazie</i> , 2021 , 354, e2100146	4.3	9
636	Monocyte-driven atypical cytokine storm and aberrant neutrophil activation as key mediators of COVID-19 disease severity. <i>Nature Communications</i> , 2021 , 12, 4117	17.4	53
635	SARS-CoV-2 M inhibitors and activity-based probes for patient-sample imaging. <i>Nature Chemical Biology</i> , 2021 , 17, 222-228	11.7	101
634	Assessment of the anti-norovirus activity in cell culture using the mouse norovirus: Identification of active compounds. <i>Antiviral Chemistry and Chemotherapy</i> , 2021 , 29, 20402066211026852	3.5	2
633	Screening and in vitro antiviral assessment of small molecules against fluorescent protein-expressing Bunyamwera virus in a cell-based assay using high-content imaging. <i>Antiviral Chemistry and Chemotherapy</i> , 2021 , 29, 20402066211033478	3.5	0
632	Assessment of the anti-norovirus activity in cell culture using the mouse norovirus: Early mechanistic studies. <i>Antiviral Chemistry and Chemotherapy</i> , 2021 , 29, 20402066211025175	3.5	0
631	N-terminal domain antigenic mapping reveals a site of vulnerability for SARS-CoV-2 2021 ,		34
630	Identification of host factors binding to dengue and Zika virus subgenomic RNA by efficient yeast three-hybrid screens of the human ORFeome. <i>RNA Biology</i> , 2021 , 18, 732-744	4.8	2
629	Kobophenol A Inhibits Binding of Host ACE2 Receptor with Spike RBD Domain of SARS-CoV-2, a Lead Compound for Blocking COVID-19. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 1793-1802	6.4	33
628	Recent African strains of Zika virus display higher transmissibility and fetal pathogenicity than Asian strains. <i>Nature Communications</i> , 2021 , 12, 916	17.4	20
627	Molnupiravir Inhibits Replication of the Emerging SARS-CoV-2 Variants of Concern in a Hamster Infection Model. <i>Journal of Infectious Diseases</i> , 2021 , 224, 749-753	7	27
626	Double Arylation of the Indole Side Chain of Tri- and Tetrapodal Tryptophan Derivatives Renders Highly Potent HIV-1 and EV-A71 Entry Inhibitors <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 10027-10046	8.3	3

625	Broad sarbecovirus neutralization by a human monoclonal antibody. <i>Nature</i> , 2021 , 597, 103-108	50.4	94
624	SARS-CoV-2 RBD antibodies that maximize breadth and resistance to escape. <i>Nature</i> , 2021 , 597, 97-102	50.4	118
623	A novel therapeutic HBV vaccine candidate induces strong polyfunctional cytotoxic T cell responses in mice. <i>JHEP Reports</i> , 2021 , 3, 100295	10.3	2
622	A robust SARS-CoV-2 replication model in primary human epithelial cells at the air liquid interface to assess antiviral agents. <i>Antiviral Research</i> , 2021 , 192, 105122	10.8	21
621	A highly potent antibody effective against SARS-CoV-2 variants of concern. <i>Cell Reports</i> , 2021 , 37, 109814	10.6	9
620	Animal experiments show impact of vaccination on reduction of SARS-CoV-2 virus circulation: A model for vaccine development?. <i>Biologicals</i> , 2021 , 73, 1-7	1.8	4
619	Identification and evaluation of potential SARS-CoV-2 antiviral agents targeting mRNA cap guanine N7-Methyltransferase. <i>Antiviral Research</i> , 2021 , 193, 105142	10.8	4
618	Broad spectrum anti-coronavirus activity of a series of anti-malaria quinoline analogues. <i>Antiviral Research</i> , 2021 , 193, 105127	10.8	6
617	Assessing Resistance Development in Enterovirus A71 in the Context of Combination Antiviral Treatment. <i>ACS Infectious Diseases</i> , 2021 , 7, 2801-2806	5.5	0
616	Broad betacoronavirus neutralization by a stem helix-specific human antibody. <i>Science</i> , 2021 , 373, 1109-1116	31.6	80
615	1,2,4-Triazolo[1,5-a]pyrimidines: Efficient one-step synthesis and functionalization as influenza polymerase PA-PB1 interaction disruptors. <i>European Journal of Medicinal Chemistry</i> , 2021 , 221, 113494	6.8	2
614	The combined treatment of Molnupiravir and Favipiravir results in a potentiation of antiviral efficacy in a SARS-CoV-2 hamster infection model. <i>EBioMedicine</i> , 2021 , 72, 103595	8.8	29
613	Comparative analysis of the molecular mechanism of resistance to vopendavir across a panel of picornavirus species. <i>Antiviral Research</i> , 2021 , 195, 105177	10.8	2
612	Discriminating mild from critical COVID-19 by innate and adaptive immune single-cell profiling of bronchoalveolar lavages. <i>Cell Research</i> , 2021 , 31, 272-290	24.7	102
611	The legacy of ZikaPLAN: a transnational research consortium addressing Zika.. <i>Global Health Action</i> , 2021 , 14, 2008139	3	0
610	Novel Class of Chikungunya Virus Small Molecule Inhibitors That Targets the Viral Capping Machinery. <i>Antimicrobial Agents and Chemotherapy</i> , 2020 , 64,	5.9	8
609	Medical treatment options for COVID-19. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020 , 9, 209-214	4.3	27
608	Antiviral and Cytotoxic Activity of Different Plant Parts of Banana (<i>Musa</i> spp.). <i>Viruses</i> , 2020 , 12,	6.2	4

607	Antibacterial, Antifungal, Antiviral, and Anthelmintic Activities of Medicinal Plants of Nepal Selected Based on Ethnobotanical Evidence. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020 , 2020, 1043471	2.3	19
606	Small-molecule inhibitors of TBK1 serve as an adjuvant for a plasmid-launched live-attenuated yellow fever vaccine. <i>Human Vaccines and Immunotherapeutics</i> , 2020 , 16, 2196-2203	4.4	8
605	Reverse engineering synthetic antiviral amyloids. <i>Nature Communications</i> , 2020 , 11, 2832	17.4	11
604	Quinolinecarboxamides Inhibit the Replication of the Bovine Viral Diarrhea Virus by Targeting a Hot Spot for the Inhibition of Pestivirus Replication in the RNA-Dependent RNA Polymerase. <i>Molecules</i> , 2020 , 25,	4.8	6
603	Anti-norovirus activity of C7-modified 4-amino-pyrrolo[2,1-f][1,2,4]triazine C-nucleosides. <i>European Journal of Medicinal Chemistry</i> , 2020 , 195, 112198	6.8	9
602	Identification of 2-(4-(Phenylsulfonyl)piperazine-1-yl)pyrimidine Analogues as Novel Inhibitors of Chikungunya Virus. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 906-912	4.3	12
601	The Development of RNA-KISS, a Mammalian Three-Hybrid Method to Detect RNA-Protein Interactions in Living Mammalian Cells. <i>Journal of Proteome Research</i> , 2020 , 19, 2529-2538	5.6	2
600	A prospect on the use of antiviral drugs to control local outbreaks of COVID-19. <i>BMC Medicine</i> , 2020 , 18, 191	11.4	25
599	Rational modifications, synthesis and biological evaluation of new potential antivirals for RSV designed to target the M2-1 protein. <i>Bioorganic and Medicinal Chemistry</i> , 2020 , 28, 115401	3.4	0
598	A chimeric yellow fever-Zika virus vaccine candidate fully protects against yellow fever virus infection in mice. <i>Emerging Microbes and Infections</i> , 2020 , 9, 520-533	18.9	10
597	β-ketoamides as Broad-Spectrum Inhibitors of Coronavirus and Enterovirus Replication: Structure-Based Design, Synthesis, and Activity Assessment. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 4562-4578	8.3	293
596	Pan-viral protection against arboviruses by activating skin macrophages at the inoculation site. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	12
595	Regioselective convergent synthesis of 2-arylidene thiazolo[3,2-]pyrimidines as potential anti-chikungunya agents.. <i>RSC Advances</i> , 2020 , 10, 5191-5195	3.7	3
594	Rational design of highly potent broad-spectrum enterovirus inhibitors targeting the nonstructural protein 2C. <i>PLoS Biology</i> , 2020 , 18, e3000904	9.7	11
593	Antiviral drug discovery against arthritogenic alphaviruses: Tools and molecular targets. <i>Biochemical Pharmacology</i> , 2020 , 174, 113777	6	10
592	Design, Synthesis and Discovery of N,NP-Carbazoyl-aryl-urea Inhibitors of Zika NS5 Methyltransferase and Virus Replication. <i>ChemMedChem</i> , 2020 , 15, 385-390	3.7	9
591	Scaffold Simplification Strategy Leads to a Novel Generation of Dual Human Immunodeficiency Virus and Enterovirus-A71 Entry Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 349-368	8.3	9
590	GloPID-R report on chikungunya, oñyong-nyong and Mayaro virus, part 5: Entomological aspects. <i>Antiviral Research</i> , 2020 , 174, 104670	10.8	12

589	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	11.5	138
588	Animal models for COVID-19. <i>Nature</i> , 2020 , 586, 509-515	50.4	377
587	Evaluation of SARS-CoV-2 3C-like protease inhibitors using self-assembled monolayer desorption ionization mass spectrometry. <i>Antiviral Research</i> , 2020 , 182, 104924	10.8	20
586	STAT2 signaling restricts viral dissemination but drives severe pneumonia in SARS-CoV-2 infected hamsters. <i>Nature Communications</i> , 2020 , 11, 5838	17.4	122
585	Increased IL-10-producing regulatory T cells are characteristic of severe cases of COVID-19. <i>Clinical and Translational Immunology</i> , 2020 , 9, e1204	6.8	24
584	Enhanced efficacy of endonuclease inhibitor baloxavir acid against orthobunyaviruses when used in combination with ribavirin. <i>Journal of Antimicrobial Chemotherapy</i> , 2020 , 75, 3189-3193	5.1	3
583	Establishing a Unified COVID-19 "Immunome": Integrating Coronavirus Pathogenesis and Host Immunopathology. <i>Frontiers in Immunology</i> , 2020 , 11, 1642	8.4	6
582	Diketo acids inhibit the cap-snatching endonuclease of several Bunyavirales. <i>Antiviral Research</i> , 2020 , 183, 104947	10.8	10
581	Ultrapotent human antibodies protect against SARS-CoV-2 challenge via multiple mechanisms. <i>Science</i> , 2020 , 370, 950-957	33.3	314
580	A dengue type 2 reporter virus assay amenable to high-throughput screening. <i>Antiviral Research</i> , 2020 , 183, 104929	10.8	2
579	Emerging preclinical evidence does not support broad use of hydroxychloroquine in COVID-19 patients. <i>Nature Communications</i> , 2020 , 11, 4253	17.4	24
578	A Chimeric Japanese Encephalitis Vaccine Protects against Lethal Yellow Fever Virus Infection without Inducing Neutralizing Antibodies. <i>MBio</i> , 2020 , 11,	7.8	13
577	Rational design of highly potent broad-spectrum enterovirus inhibitors targeting the nonstructural protein 2C 2020 , 18, e3000904		
576	Rational design of highly potent broad-spectrum enterovirus inhibitors targeting the nonstructural protein 2C 2020 , 18, e3000904		
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572	Rational design of highly potent broad-spectrum enterovirus inhibitors targeting the nonstructural protein 2C 2020 , 18, e3000904		

571	A robust human norovirus replication model in zebrafish larvae. <i>PLoS Pathogens</i> , 2019 , 15, e1008009	7.6	57
570	GloPID-R report on chikungunya, oPhyong-nyong and Mayaro virus, part 3: Epidemiological distribution of Mayaro virus. <i>Antiviral Research</i> , 2019 , 172, 104610	10.8	7
569	Isolation of phenanthrenes and identification of phorbol ester derivatives as potential anti-CHIKV agents using FBMN and NAP from <i>Sagotia racemosa</i> . <i>Phytochemistry</i> , 2019 , 167, 112101	4	
568	GloPID-R report on chikungunya, oPhyong-nyong and Mayaro virus, part 2: Epidemiological distribution of oPhyong-nyong virus. <i>Antiviral Research</i> , 2019 , 172, 104611	10.8	9
567	Scaffold Morphing Approach To Expand the Toolbox of Broad-Spectrum Antivirals Blocking Dengue/Zika Replication. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 558-563	4.3	6
566	Antiviral Compounds from <i>Codiaeum peltatum</i> Targeted by a Multi-informative Molecular Networks Approach. <i>Journal of Natural Products</i> , 2019 , 82, 330-340	4.9	16
565	Modifications in the branched arms of a class of dual inhibitors of HIV and EV71 replication expand their antiviral spectrum. <i>Antiviral Research</i> , 2019 , 168, 210-214	10.8	5
564	A novel druggable interprotomer pocket in the capsid of rhino- and enteroviruses. <i>PLoS Biology</i> , 2019 , 17, e3000281	9.7	25
563	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	7.6	23
562	A Viral Polymerase Inhibitor Reduces Zika Virus Replication in the Reproductive Organs of Male Mice. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
561	GloPID-R report on Chikungunya, OPhyong-nyong and Mayaro virus, part I: Biological diagnostics. <i>Antiviral Research</i> , 2019 , 166, 66-81	10.8	17
560	Targeting the Viral Polymerase of Diarrhea-Causing Viruses as a Strategy to Develop a Single Broad-Spectrum Antiviral Therapy. <i>Viruses</i> , 2019 , 11,	6.2	15
559	Identification of fukinolic acid from <i>Cimicifuga heracleifolia</i> and its derivatives as novel antiviral compounds against enterovirus A71 infection. <i>International Journal of Antimicrobial Agents</i> , 2019 , 53, 128-136	14.3	10
558	New HSV-1 Anti-Viral 1PHomocarbocyclic Nucleoside Analogs with an Optically Active Substituted Bicyclo[2.2.1]Heptane Fragment as a Glycoside Moiety. <i>Molecules</i> , 2019 , 24,	4.8	5
557	Intra-host emergence of an enterovirus A71 variant with enhanced PSGL1 usage and neurovirulence. <i>Emerging Microbes and Infections</i> , 2019 , 8, 1076-1085	18.9	8
556	Inherited IFNAR1 deficiency in otherwise healthy patients with adverse reaction to measles and yellow fever live vaccines. <i>Journal of Experimental Medicine</i> , 2019 , 216, 2057-2070	16.6	77
555	ZikaPLAN: addressing the knowledge gaps and working towards a research preparedness network in the Americas. <i>Global Health Action</i> , 2019 , 12, 1666566	3	10
554	2019 meeting of the global virus network. <i>Antiviral Research</i> , 2019 , 172, 104645	10.8	3

553	Multitarget CFTR Modulators Endowed with Multiple Beneficial Side Effects for Cystic Fibrosis Patients: Toward a Simplified Therapeutic Approach □ <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 10833-10847	8.3	4
552	Structural and functional similarities in bunyaviruses: Perspectives for pan-bunya antivirals. <i>Reviews in Medical Virology</i> , 2019 , 29, e2039	11.7	9
551	Limited evolution of the yellow fever virus 17d in a mouse infection model. <i>Emerging Microbes and Infections</i> , 2019 , 8, 1734-1746	18.9	11
550	F-102 Antivirals, a lot has been achieved, yet a long way to go. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2019 , 81, 43-43	3.1	
549	A new antiviral scaffold for human norovirus identified with computer-aided approaches on the viral polymerase. <i>Scientific Reports</i> , 2019 , 9, 18413	4.9	3
548	Antiviral effects of selected nucleoside analogues against human parechoviruses A1 and A3. <i>Antiviral Research</i> , 2019 , 162, 51-53	10.8	6
547	Progress in human picornavirus research: New findings from the AIROPico consortium. <i>Antiviral Research</i> , 2019 , 161, 100-107	10.8	2
546	Pyrimethamine inhibits rabies virus replication in vitro. <i>Antiviral Research</i> , 2019 , 161, 1-9	10.8	9
545	Mannitol treatment is not effective in therapy of rabies virus infection in mice. <i>Vaccine</i> , 2019 , 37, 4710-4714	4.1	7
544	The path towards effective antivirals against rabies. <i>Vaccine</i> , 2019 , 37, 4660-4662	4.1	6
543	Hepatitis E virus replication and interferon responses in human placental cells. <i>Hepatology Communications</i> , 2018 , 2, 173-187	6	26
542	Pan-NS3 protease inhibitors of hepatitis C virus based on an R-elongated pyrazinone scaffold. <i>European Journal of Medicinal Chemistry</i> , 2018 , 148, 453-464	6.8	5
541	Rational modifications on a benzylidene-acrylohydrazide antiviral scaffold, synthesis and evaluation of bioactivity against Chikungunya virus. <i>European Journal of Medicinal Chemistry</i> , 2018 , 149, 56-68	6.8	15
540	Structurally Diverse Diterpenoids from <i>Sandwithia guyanensis</i> . <i>Journal of Natural Products</i> , 2018 , 81, 901-912	4.9	10
539	Interferon lambda (IFN-λ) efficiently blocks norovirus transmission in a mouse model. <i>Antiviral Research</i> , 2018 , 149, 7-15	10.8	17
538	Synthesis of Enantiomerically Pure 1',2'-cis-dideoxy, -dideoxydi[dehydro, -ribo and -deoxy Carbocyclic Nucleoside Analogues. <i>Synthesis</i> , 2018 , 50, 2266-2280	2.9	3
537	Recommendations for enterovirus diagnostics and characterisation within and beyond Europe. <i>Journal of Clinical Virology</i> , 2018 , 101, 11-17	14.5	105
536	Inhibition of the Replication of Different Strains of Chikungunya Virus by 3-Aryl-[1,2,3]triazolo[4,5-d]pyrimidin-7(6 H)-ones. <i>ACS Infectious Diseases</i> , 2018 , 4, 605-619	5.5	13

535	A reassessment of mycophenolic acid as a lead compound for the development of inhibitors of chikungunya virus replication. <i>Tetrahedron</i> , 2018 , 74, 1294-1306	2.4	4
534	Design, synthesis and evaluation against Chikungunya virus of novel small-molecule antiviral agents. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 869-874	3.4	12
533	Differential antiviral activities of respiratory syncytial virus (RSV) inhibitors in human airway epithelium. <i>Journal of Antimicrobial Chemotherapy</i> , 2018 , 73, 1823-1829	5.1	12
532	Favipiravir as a potential countermeasure against neglected and emerging RNA viruses. <i>Antiviral Research</i> , 2018 , 153, 85-94	10.8	207
531	Antiviral treatment efficiently inhibits chikungunya virus infection in the joints of mice during the acute but not during the chronic phase of the infection. <i>Antiviral Research</i> , 2018 , 149, 113-117	10.8	21
530	Antiplasmodial, anti-chikungunya virus and antioxidant activities of 64 endemic plants from the Mascarene Islands. <i>International Journal of Antimicrobial Agents</i> , 2018 , 52, 622-628	14.3	21
529	A Single Nucleoside Viral Polymerase Inhibitor Against Norovirus, Rotavirus, and Sapovirus-Induced Diarrhea. <i>Journal of Infectious Diseases</i> , 2018 , 218, 1753-1758	7	14
528	Assessing medicinal plants traditionally used in the Chirang Reserve Forest, Northeast India for antimicrobial activity. <i>Journal of Ethnopharmacology</i> , 2018 , 225, 220-233	5	22
527	HCV-induced EGFR-ERK signaling promotes a pro-inflammatory and pro-angiogenic signature contributing to liver cancer pathogenesis. <i>Biochemical Pharmacology</i> , 2018 , 155, 305-315	6	17
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26	Remdesivir, Molnupiravir and Nirmatrelvir remain active against SARS-CoV-2 Omicron and other variants of concern		6
25	Assessing the in vitro resistance development in Enterovirus 71 in the context of combination antiviral treatment		1
24	The oral protease inhibitor (PF-07321332) protects Syrian hamsters against infection with SARS-CoV-2 variants of concern		4
23	SARS-CoV-2 infection leads to cardiac pericyte loss, fibrosis, cardiomyocyte hypertrophy, and diastolic dysfunction		2
22	Universal COVID-19 vaccine with updated spike antigen confers full protection against all SARS-CoV-2 variants of concern		2
21	Itraconazole for COVID-19: Preclinical Studies and a Proof-of-Concept Pilot Clinical Study. <i>SSRN Electronic Journal</i> ,	1	1
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19	STAT1-dependent tolerance of intestinal viral infection		1
18	STAT2 signaling as double-edged sword restricting viral dissemination but driving severe pneumonia in SARS-CoV-2 infected hamsters		30
17	Antiviral treatment of SARS-CoV-2-infected hamsters reveals a weak effect of favipiravir and a complete lack of effect for hydroxychloroquine		14
16	A single-dose live-attenuated YF17D-vectored SARS-CoV2 vaccine candidate		11
15	Identification of TMEM106B as proviral host factor for SARS-CoV-2		7
14	In Vitro Activity of Itraconazole Against SARS-CoV-2		3

13	The combined treatment of Molnupiravir and Favipiravir results in a marked potentiation of antiviral efficacy in a SARS-CoV-2 hamster infection model	3
12	Identification of inhibitors of SARS-CoV-2 3CL-Pro enzymatic activity using a small molecule in-vitro repurposing screen	1
11	Differential antiviral activities of RSV inhibitors in human airway epithelium	1
10	A robust human norovirus replication model in zebrafish larvae	6
9	Antiviral Drugs461-482	
8	Drug development of an affinity enhanced, broadly neutralizing heavy chain-only antibody that restricts SARS-CoV-2 in rodents	4
7	A human antibody that broadly neutralizes betacoronaviruses protects against SARS-CoV-2 by blocking the fusion machinery	13
6	ALG-097111, a potent and selective SARS-CoV-2 3-chymotrypsin-like cysteine protease inhibitor exhibits in vivo efficacy in a Syrian Hamster model	1
5	Nelfinavir markedly improves lung pathology in SARS-CoV-2-infected Syrian hamsters despite lack of an antiviral effect	4
4	Comparative infectivity and pathogenesis of emerging SARS-CoV-2 variants in Syrian hamsters	13
3	SARS-CoV-2 Omicron potently neutralized by a novel antibody with unique Spike binding properties	1
2	ACE2 engagement exposes the fusion peptide to pan-coronavirus neutralizing antibodies	3
1	Imprinted antibody responses against SARS-CoV-2 Omicron sublineages	5