

Johan Neyts

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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	Angiogenesis: regulators and clinical applications. <i>Biochemical Pharmacology</i> , 2001 , 61, 253-70	6	580
677	Screening of an FDA-approved compound library identifies four small-molecule inhibitors of Middle East respiratory syndrome coronavirus replication in cell culture. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 4875-84	5.9	504
676	In vitro inhibition of severe acute respiratory syndrome coronavirus by chloroquine. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 323, 264-8	3.4	441
675	N-terminal domain antigenic mapping reveals a site of vulnerability for SARS-CoV-2. <i>Cell</i> , 2021 , 184, 2332-2347	5.16	316
674	Animal models for COVID-19. <i>Nature</i> , 2020 , 586, 509-515	50.4	377
673	Ultrapotent human antibodies protect against SARS-CoV-2 challenge via multiple mechanisms. <i>Science</i> , 2020 , 370, 950-957	33.3	314
672	βKetoamides 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
671	Ivermectin is a potent inhibitor of flavivirus replication specifically targeting NS3 helicase activity: new prospects for an old drug. <i>Journal of Antimicrobial Chemotherapy</i> , 2012 , 67, 1884-94	5.1	247
670	The non-immunosuppressive cyclosporin DEBIO-025 is a potent inhibitor of hepatitis C virus replication in vitro. <i>Hepatology</i> , 2006 , 43, 761-70	11.2	247
669	An orally bioavailable antipoxvirus compound (ST-246) inhibits extracellular virus formation and protects mice from lethal orthopoxvirus Challenge. <i>Journal of Virology</i> , 2005 , 79, 13139-49	6.6	237
668	Structure and functionality in flavivirus NS-proteins: perspectives for drug design. <i>Antiviral Research</i> , 2010 , 87, 125-48	10.8	227
667	The predominant mechanism by which ribavirin exerts its antiviral activity in vitro against flaviviruses and paramyxoviruses is mediated by inhibition of IMP dehydrogenase. <i>Journal of Virology</i> , 2005 , 79, 1943-7	6.6	219
666	The Viral Polymerase Inhibitor 7-Deaza-2PC-Methyladenosine Is a Potent Inhibitor of In Vitro Zika Virus Replication and Delays Disease Progression in a Robust Mouse Infection Model. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004695	4.8	213
665	The mannose-specific plant lectins from <i>Cymbidium</i> hybrid and <i>Epipactis helleborine</i> and the (N-acetylglucosamine)n-specific plant lectin from <i>Urtica dioica</i> are potent and selective inhibitors of human immunodeficiency virus and cytomegalovirus replication in vitro. <i>Antiviral Research</i> , 1992 , 18, 191-207	10.8	212
664	Alpha-(1-3)- and alpha-(1-6)-D-mannose-specific plant lectins are markedly inhibitory to human immunodeficiency virus and cytomegalovirus infections in vitro. <i>Antimicrobial Agents and Chemotherapy</i> , 1991 , 35, 410-6	5.9	209
663	Favipiravir as a potential countermeasure against neglected and emerging RNA viruses. <i>Antiviral Research</i> , 2018 , 153, 85-94	10.8	207
662	Treatment of Argentine hemorrhagic fever. <i>Antiviral Research</i> , 2008 , 78, 132-9	10.8	204

661	Amino-terminal truncation of CXCR3 agonists impairs receptor signaling and lymphocyte chemotaxis, while preserving antiangiogenic properties. <i>Blood</i> , 2001 , 98, 3554-61	2.2	202
660	Selective inhibitors of picornavirus replication. <i>Medicinal Research Reviews</i> , 2008 , 28, 823-84	14.4	194
659	HPMPC (cidofovir), PMEA (adefovir) and Related Acyclic Nucleoside Phosphonate Analogues: A Review of their Pharmacology and Clinical Potential in the Treatment of Viral Infections. <i>Antiviral Chemistry and Chemotherapy</i> , 1997 , 8, 1-23	3.5	192
658	Current and future antiviral therapy of severe seasonal and avian influenza. <i>Antiviral Research</i> , 2008 , 78, 91-102	10.8	187
657	Structure-activity relationship of new anti-hepatitis C virus agents: heterobicycle-coumarin conjugates. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 1486-90	8.3	168
656	Itraconazole inhibits enterovirus replication by targeting the oxysterol-binding protein. <i>Cell Reports</i> , 2015 , 10, 600-15	10.6	162
655	Synthesis of new benzimidazole-coumarin conjugates as anti-hepatitis C virus agents. <i>Antiviral Research</i> , 2008 , 77, 157-62	10.8	150
654	Mutations in the chikungunya virus non-structural proteins cause resistance to favipiravir (T-705), a broad-spectrum antiviral. <i>Journal of Antimicrobial Chemotherapy</i> , 2014 , 69, 2770-84	5.1	149
653	Sulfated polymers inhibit the interaction of human cytomegalovirus with cell surface heparan sulfate. <i>Virology</i> , 1992 , 189, 48-58	3.6	148
652	New opportunities for field research on the pathogenesis and treatment of Lassa fever. <i>Antiviral Research</i> , 2008 , 78, 103-15	10.8	141
651	Antiviral drug susceptibility of human herpesvirus 8. <i>Antimicrobial Agents and Chemotherapy</i> , 1997 , 41, 2754-6	5.9	140
650	Antiviral agents active against human herpesviruses HHV-6, HHV-7 and HHV-8. <i>Reviews in Medical Virology</i> , 2001 , 11, 381-95	11.7	138
649	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
648	A mutation in the hepatitis E virus RNA polymerase promotes its replication and associates with ribavirin treatment failure in organ transplant recipients. <i>Gastroenterology</i> , 2014 , 147, 1008-11.e7; quiz e15-6	13.3	137
647	DEB025 (Alisporivir) inhibits hepatitis C virus replication by preventing a cyclophilin A induced cis-trans isomerisation in domain II of NS5A. <i>PLoS ONE</i> , 2010 , 5, e13687	3.7	133
646	Treatment of yellow fever. <i>Antiviral Research</i> , 2008 , 78, 116-24	10.8	132
645	Sofosbuvir Inhibits Hepatitis E Virus Replication In Vitro and Results in an Additive Effect When Combined With Ribavirin. <i>Gastroenterology</i> , 2016 , 150, 82-85.e4	13.3	130
644	Calcineurin inhibitors stimulate and mycophenolic acid inhibits replication of hepatitis E virus. <i>Gastroenterology</i> , 2014 , 146, 1775-83	13.3	126

643	Update on hepatitis E virology: Implications for clinical practice. <i>Journal of Hepatology</i> , 2016 , 65, 200-212	3.4	124
642	Synthesis and antiviral activity evaluation of some new aminoadamantane derivatives. 2. <i>Journal of Medicinal Chemistry</i> , 1996 , 39, 3307-18	8.3	122
641	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
640	Perspectives for the treatment of infections with Flaviviridae. <i>Clinical Microbiology Reviews</i> , 2000 , 13, 67-82, table of contents	34	120
639	Antiviral treatment is more effective than smallpox vaccination upon lethal monkeypox virus infection. <i>Nature</i> , 2006 , 439, 745-8	50.4	119
638	SARS-CoV-2 RBD antibodies that maximize breadth and resistance to escape. <i>Nature</i> , 2021 , 597, 97-102	50.4	118
637	The novel immunosuppressive agent mycophenolate mofetil markedly potentiates the antiherpesvirus activities of acyclovir, ganciclovir, and penciclovir in vitro and in vivo. <i>Antimicrobial Agents and Chemotherapy</i> , 1998 , 42, 216-22	5.9	117
636	Debio 025, a cyclophilin binding molecule, is highly efficient in clearing hepatitis C virus (HCV) replicon-containing cells when used alone or in combination with specifically targeted antiviral therapy for HCV (STAT-C) inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 967-76	5.9	112
635	Inhibition of the replication of the DNA polymerase M550V mutation variant of human hepatitis B virus by adefovir, tenofovir, L-FMAU, DAPD, penciclovir and lobucavir. <i>Journal of Viral Hepatitis</i> , 2000 , 7, 161-5	3.4	111
634	Perspectives for the Treatment of Infections with Flaviviridae. <i>Clinical Microbiology Reviews</i> , 2000 , 13, 67-82	34	110
633	Combating enterovirus replication: state-of-the-art on antiviral research. <i>Biochemical Pharmacology</i> , 2012 , 83, 185-92	6	109
632	Treatment of Crimean-Congo hemorrhagic fever. <i>Antiviral Research</i> , 2008 , 78, 125-31	10.8	108
631	Spiro[pyrrolidine-2,2-Padamantanes]: synthesis, anti-influenza virus activity and conformational properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003 , 13, 1699-703	2.9	106
630	Recommendations for enterovirus diagnostics and characterisation within and beyond Europe. <i>Journal of Clinical Virology</i> , 2018 , 101, 11-17	14.5	105
629	Molecular strategies to inhibit the replication of RNA viruses. <i>Antiviral Research</i> , 2008 , 78, 9-25	10.8	103
628	Ribavirin inhibits in vitro hepatitis E virus replication through depletion of cellular GTP pools and is moderately synergistic with alpha interferon. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 267-73	5.9	102
627	Treatment of hantavirus pulmonary syndrome. <i>Antiviral Research</i> , 2008 , 78, 162-9	10.8	102
626	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

625	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
624	Favipiravir (T-705) inhibits in vitro norovirus replication. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 424, 777-80	3.4	100
623	Efficacy of (S)-1-(3-hydroxy-2-phosphonylmethoxypropyl)cytosine for the treatment of lethal vaccinia virus infections in severe combined immune deficiency (SCID) mice. <i>Journal of Medical Virology</i> , 1993 , 41, 242-6	19.7	99
622	Coumarin-purine ribofuranoside conjugates as new agents against hepatitis C virus. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 2114-26	8.3	98
621	Viral Macro Domains Reverse Protein ADP-Ribosylation. <i>Journal of Virology</i> , 2016 , 90, 8478-86	6.6	97
620	Heterocyclic rimantadine analogues with antiviral activity. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 3341-8	3.4	97
619	Cyclosporine A inhibits hepatitis C virus nonstructural protein 2 through cyclophilin A. <i>Hepatology</i> , 2009 , 50, 1638-45	11.2	96
618	Broad sarbecovirus neutralization by a human monoclonal antibody. <i>Nature</i> , 2021 , 597, 103-108	50.4	94
617	Statins potentiate the in vitro anti-hepatitis C virus activity of selective hepatitis C virus inhibitors and delay or prevent resistance development. <i>Hepatology</i> , 2009 , 50, 6-16	11.2	93
616	Antiviral agents acting as DNA or RNA chain terminators. <i>Handbook of Experimental Pharmacology</i> , 2009 , 53-84	3.2	93
615	Use of the yellow fever virus vaccine strain 17D for the study of strategies for the treatment of yellow fever virus infections. <i>Antiviral Research</i> , 1996 , 30, 125-32	10.8	93
614	Inhibition of human immunodeficiency virus type 1 replication in human cells by Debio-025, a novel cyclophilin binding agent. <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 1302-17	5.9	91
613	Coxsackievirus mutants that can bypass host factor PI4KIII β and the need for high levels of PI4P lipids for replication. <i>Cell Research</i> , 2012 , 22, 1576-92	24.7	90
612	Selective inhibition of human cytomegalovirus DNA synthesis by (S)-1-(3-hydroxy-2-phosphonylmethoxypropyl)cytosine [(S)-HPMPC] and 9-(1,3-dihydroxy-2-propoxymethyl)guanine (DHPG). <i>Virology</i> , 1990 , 179, 41-50	3.6	90
611	Ribavirin for the treatment of chronic hepatitis C virus infection: a review of the proposed mechanisms of action. <i>Current Opinion in Virology</i> , 2011 , 1, 590-8	7.5	89
610	Inhibition of urokinase-type plasminogen activator or matrix metalloproteinases prevents cardiac injury and dysfunction during viral myocarditis. <i>Circulation</i> , 2006 , 114, 565-73	16.7	87
609	Mechanistic characterization of GS-9190 (Tegobuvir), a novel nonnucleoside inhibitor of hepatitis C virus NS5B polymerase. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 4196-203	5.9	86
608	Modulation of fibroblast growth factor-2 receptor binding, signaling, and mitogenic activity by heparin-mimicking polysulfonated compounds. <i>Molecular Pharmacology</i> , 1999 , 56, 204-13	4.3	86

607	Study of hepatitis E virus infection of genotype 1 and 3 in mice with humanised liver. <i>Gut</i> , 2017 , 66, 920-929	12.2	85
606	Human pluripotent stem cell-derived hepatocytes support complete replication of hepatitis C virus. <i>Journal of Hepatology</i> , 2012 , 57, 246-51	13.4	84
605	Poly(I)-poly(C12U) but not ribavirin prevents death in a hamster model of Nipah virus infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 1768-72	5.9	82
604	Bioactive Natural Products Prioritization Using Massive Multi-informational Molecular Networks. <i>ACS Chemical Biology</i> , 2017 , 12, 2644-2651	4.9	81
603	Extra-hepatic replication and infection of hepatitis E virus in neuronal-derived cells. <i>Journal of Viral Hepatitis</i> , 2016 , 23, 512-21	3.4	81
602	Sulphated Polymers are Potent and Selective Inhibitors of Various Enveloped Viruses, Including Herpes Simplex Virus, Cytomegalovirus, Vesicular Stomatitis Virus, Respiratory Syncytial Virus, and Toga-, Arena- and Retroviruses. <i>Antiviral Chemistry and Chemotherapy</i> , 1990 , 1, 233-240	3.5	80
601	Broad betacoronavirus neutralization by a stem helix-specific human antibody. <i>Science</i> , 2021 , 373, 1109-1116	11.6	80
600	A novel, broad-spectrum inhibitor of enterovirus replication that targets host cell factor phosphatidylinositol 4-kinase III β . <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 4971-81	5.9	78
599	The crystal structure of coxsackievirus B3 RNA-dependent RNA polymerase in complex with its protein primer VPg confirms the existence of a second VPg binding site on Picornaviridae polymerases. <i>Journal of Virology</i> , 2008 , 82, 9577-90	6.6	78
598	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
597	Prostratin and 12-O-tetradecanoylphorbol 13-acetate are potent and selective inhibitors of Chikungunya virus replication. <i>Journal of Natural Products</i> , 2012 , 75, 2183-7	4.9	76
596	Antiviral activity of triazine analogues of 1-(S)-[3-hydroxy-2-(phosphonomethoxy)propyl]cytosine (cidofovir) and related compounds. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 1069-77	8.3	76
595	A single-dose live-attenuated YF17D-vectored SARS-CoV-2 vaccine candidate. <i>Nature</i> , 2021 , 590, 320-325	10.4	74
594	Towards antivirals against chikungunya virus. <i>Antiviral Research</i> , 2015 , 121, 59-68	10.8	73
593	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, 1952-6	5.9	73
592	Animal models of highly pathogenic RNA viral infections: hemorrhagic fever viruses. <i>Antiviral Research</i> , 2008 , 78, 79-90	10.8	73
591	Oligonucleotide antiviral therapeutics: antisense and RNA interference for highly pathogenic RNA viruses. <i>Antiviral Research</i> , 2008 , 78, 26-36	10.8	73
590	Selective inhibition of hepatitis B virus replication by RNA interference. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 309, 482-4	3.4	73

589	The viral capping enzyme nsP1: a novel target for the inhibition of chikungunya virus infection. <i>Scientific Reports</i> , 2016 , 6, 31819	4.9	72
588	A novel, highly selective inhibitor of pestivirus replication that targets the viral RNA-dependent RNA polymerase. <i>Journal of Virology</i> , 2006 , 80, 149-60	6.6	72
587	Antiviral activity of a sulphated polysaccharide from the red seaweed <i>Nothogenia fastigiata</i> . <i>Biochemical Pharmacology</i> , 1994 , 47, 2187-92	6	72
586	Computer-aided identification, design and synthesis of a novel series of compounds with selective antiviral activity against chikungunya virus. <i>Antiviral Research</i> , 2013 , 98, 12-8	10.8	71
585	Hepatitis E virus mutations associated with ribavirin treatment failure result in altered viral fitness and ribavirin sensitivity. <i>Journal of Hepatology</i> , 2016 , 65, 499-508	13.4	71
584	Synergy of entry inhibitors with direct-acting antivirals uncovers novel combinations for prevention and treatment of hepatitis C. <i>Gut</i> , 2015 , 64, 483-94	19.2	69
583	Therapeutic potential of nucleoside/nucleotide analogues against poxvirus infections. <i>Reviews in Medical Virology</i> , 2004 , 14, 289-300	11.7	69
582	Identification of a new dengue virus inhibitor that targets the viral NS4B protein and restricts genomic RNA replication. <i>Antiviral Research</i> , 2013 , 99, 165-71	10.8	68
581	The viral polymerase inhibitor 2PC-methylcytidine inhibits Norwalk virus replication and protects against norovirus-induced diarrhea and mortality in a mouse model. <i>Journal of Virology</i> , 2013 , 87, 11798-805	6.6	67
580	The main hepatitis B virus (HBV) mutants resistant to nucleoside analogs are susceptible in vitro to non-nucleoside inhibitors of HBV replication. <i>Antiviral Research</i> , 2011 , 92, 271-6	10.8	67
579	The anti-yellow fever virus activity of ribavirin is independent of error-prone replication. <i>Molecular Pharmacology</i> , 2006 , 69, 1461-7	4.3	67
578	Antiviral activity of Bay 41-4109 on hepatitis B virus in humanized Alb-uPA/SCID mice. <i>PLoS ONE</i> , 2011 , 6, e25096	3.7	66
577	The microRNA-221/-222 cluster balances the antiviral and inflammatory response in viral myocarditis. <i>European Heart Journal</i> , 2015 , 36, 2909-19	9.5	65
576	3C protease of enterovirus 68: structure-based design of Michael acceptor inhibitors and their broad-spectrum antiviral effects against picornaviruses. <i>Journal of Virology</i> , 2013 , 87, 4339-51	6.6	65
575	Tracking the evolution of multiple in vitro hepatitis C virus replicon variants under protease inhibitor selection pressure by 454 deep sequencing. <i>Journal of Virology</i> , 2010 , 84, 11124-33	6.6	64
574	Antiviral 2,5-disubstituted imidazo[4,5-c]pyridines: from anti-pestivirus to anti-hepatitis C virus activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 390-3	2.9	64
573	Particular characteristics of the anti-human cytomegalovirus activity of (S)-1-(3-hydroxy-2-phosphonylmethoxypropyl)cytosine (HPMPC) in vitro. <i>Antiviral Research</i> , 1991 , 16, 41-52	10.8	64
572	Flaviviral NS4b, chameleon and jack-in-the-box roles in viral replication and pathogenesis, and a molecular target for antiviral intervention. <i>Reviews in Medical Virology</i> , 2015 , 25, 205-23	11.7	63

571	Synthesis and anti-BVDV activity of acridones as new potential antiviral agents. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 2621-7	8.3	63
570	Zika Virus Replicons for Drug Discovery. <i>EBioMedicine</i> , 2016 , 12, 156-160	8.8	62
569	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
568	Treatment of Marburg and Ebola hemorrhagic fevers: a strategy for testing new drugs and vaccines under outbreak conditions. <i>Antiviral Research</i> , 2008 , 78, 150-61	10.8	61
567	The thiazolobenzimidazole TBZE-029 inhibits enterovirus replication by targeting a short region immediately downstream from motif C in the nonstructural protein 2C. <i>Journal of Virology</i> , 2008 , 82, 4720-30	6.6	61
566	In vitro susceptibility of six isolates of equine herpesvirus 1 to acyclovir, ganciclovir, cidofovir, adefovir, PMEDAP and foscarnet. <i>Veterinary Microbiology</i> , 2007 , 122, 43-51	3.3	61
565	Mycophenolic acid, an immunosuppressive agent, inhibits HBV replication in vitro. <i>Journal of Viral Hepatitis</i> , 1999 , 6, 229-36	3.4	61
564	Efficacy of (S)-1-(3-hydroxy-2-phosphonylmethoxypropyl)cytosine and 9-(1,3-dihydroxy-2-propoxymethyl)guanine for the treatment of murine cytomegalovirus infection in severe combined immunodeficiency mice. <i>Journal of Medical Virology</i> , 1992 , 37, 67-71	19.7	61
563	The postbinding activity of scavenger receptor class B type I mediates initiation of hepatitis C virus infection and viral dissemination. <i>Hepatology</i> , 2013 , 57, 492-504	11.2	60
562	Mutations in the nonstructural protein 3A confer resistance to the novel enterovirus replication inhibitor TTP-8307. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 1850-7	5.9	60
561	7-Deazaxanthine, a novel prototype inhibitor of thymidine phosphorylase. <i>FEBS Letters</i> , 1998 , 438, 91-5	3.8	60
560	Antiviral treatment of chronic hepatitis B virus infections: the past, the present and the future. <i>Reviews in Medical Virology</i> , 2008 , 18, 19-34	11.7	60
559	Evaluation of hexadecyloxypropyl-9-R-[2-(Phosphonomethoxy)propyl]- adenine, CMX157, as a potential treatment for human immunodeficiency virus type 1 and hepatitis B virus infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 3505-9	5.9	60
558	Novel 1,2,4-triazole and imidazole derivatives of L-ascorbic and imino-ascorbic acid: synthesis, anti-HCV and antitumor activity evaluations. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 3675-85	3.4	59
557	Picornavirus non-structural proteins as targets for new anti-virals with broad activity. <i>Antiviral Research</i> , 2011 , 89, 204-18	10.8	59
556	Antiviral potential of a new generation of acyclic nucleoside phosphonates, the 6-[2-(phosphonomethoxy)alkoxy]-2,4-diaminopyrimidines. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005 , 24, 331-41	1.4	59
555	Genome sequence analysis of Tamana bat virus and its relationship with the genus Flavivirus. <i>Journal of General Virology</i> , 2002 , 83, 2443-2454	4.9	59
554	A derivate of the antibiotic doxorubicin is a selective inhibitor of dengue and yellow fever virus replication in vitro. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 5269-80	5.9	58

553	A robust human norovirus replication model in zebrafish larvae. <i>PLoS Pathogens</i> , 2019 , 15, e1008009	7.6	57
552	Antiviral activity of carbohydrate-binding agents and the role of DC-SIGN in dengue virus infection. <i>Virology</i> , 2009 , 387, 67-75	3.6	57
551	Hemin potentiates the anti-hepatitis C virus activity of the antimalarial drug artemisinin. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 348, 139-44	3.4	57
550	Phosphatidylinositol 4-kinase III beta is essential for replication of human rhinovirus and its inhibition causes a lethal phenotype in vivo. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 3358-68	5.9	56
549	Discovery of novel arylethynyltriazole ribonucleosides with selective and effective antiviral and antiproliferative activity. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 1144-55	8.3	55
548	Identification of [1,2,3]triazolo[4,5-d]pyrimidin-7(6H)-ones as novel inhibitors of Chikungunya virus replication. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 4000-8	8.3	54
547	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
546	Design, synthesis and evaluation of a series of acyclic fleximer nucleoside analogues with anti-coronavirus activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 2923-6	2.9	53
545	A case for developing antiviral drugs against polio. <i>Antiviral Research</i> , 2008 , 79, 179-87	10.8	53
544	Potential use of antiviral agents in polio eradication. <i>Emerging Infectious Diseases</i> , 2008 , 14, 545-51	10.2	53
543	Efficacy of cidofovir in a murine model of disseminated progressive vaccinia. <i>Antimicrobial Agents and Chemotherapy</i> , 2004 , 48, 2267-73	5.9	53
542	Novel 3-(2-adamantyl)pyrrolidines with potent activity against influenza A virus-identification of aminoadamantane derivatives bearing two pharmacophoric amine groups. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001 , 11, 2137-42	2.9	53
541	Lamivudine, adefovir and tenofovir exhibit long-lasting anti-hepatitis B virus activity in cell culture. <i>Journal of Viral Hepatitis</i> , 2000 , 7, 79-83	3.4	53
540	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
539	Broad-range inhibition of enterovirus replication by OSW-1, a natural compound targeting OSBP. <i>Antiviral Research</i> , 2015 , 117, 110-4	10.8	52
538	Ribavirin antagonizes the in vitro anti-hepatitis C virus activity of 2PC-methylcytidine, the active component of valopicitabine. <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 3444-6	5.9	52
537	The capsid binder Vapendavir and the novel protease inhibitor SG85 inhibit enterovirus 71 replication. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 6990-2	5.9	51
536	Jatrophone diterpenes as inhibitors of chikungunya virus replication: structure-activity relationship and discovery of a potent lead. <i>Journal of Natural Products</i> , 2014 , 77, 1505-12	4.9	51

535	Hepatitis C virus infection of neuroepithelioma cell lines. <i>Gastroenterology</i> , 2010 , 139, 1365-74	13.3	51
534	Antiviral strategies to control calicivirus infections. <i>Antiviral Research</i> , 2010 , 87, 162-78	10.8	50
533	Avian influenza A (H5N1) infection: targets and strategies for chemotherapeutic intervention. <i>Trends in Pharmacological Sciences</i> , 2007 , 28, 280-5	13.2	50
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235	Novel therapeutic approaches to simultaneously target rhinovirus infection and asthma/COPD pathogenesis. <i>F1000Research</i> , 2017 , 6, 1860	3.6	11
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86	The combined treatment of Molnupiravir and Favipiravir results in a marked potentiation of antiviral efficacy in a SARS-CoV-2 hamster infection model		3

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