

Raymond F Schinazi

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321
papers

10,778
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56
h-index

91
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336
ext. papers

12,296
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
321	Cu(I)-catalyzed Huisgen azide-alkyne 1,3-dipolar cycloaddition reaction in nucleoside, nucleotide, and oligonucleotide chemistry. <i>Chemical Reviews</i> , 2009 , 109, 4207-20	68.1	670
320	Synthesis of nucleoside phosphate and phosphonate prodrugs. <i>Chemical Reviews</i> , 2014 , 114, 9154-218	68.1	332
319	Zika Virus Infects Human Placental Macrophages. <i>Cell Host and Microbe</i> , 2016 , 20, 83-90	23.4	315
318	Nomenclature for antiviral-resistant human hepatitis B virus mutations in the polymerase region. <i>Hepatology</i> , 2001 , 33, 751-7	11.2	313
317	The polymerase L528M mutation cooperates with nucleotide binding-site mutations, increasing hepatitis B virus replication and drug resistance. <i>Journal of Clinical Investigation</i> , 2001 , 107, 449-55	15.9	223
316	Towards an HBV cure: state-of-the-art and unresolved questions--report of the ANRS workshop on HBV cure. <i>Gut</i> , 2015 , 64, 1314-26	19.2	198
315	Synthesis of enantiomerically pure (2 <i>R</i> ,5 <i>S</i>)-(-)-1-(2-hydroxymethyloxathiolan-5-yl)cytosine as a potent antiviral agent against hepatitis B virus (HBV) and human immunodeficiency virus (HIV). <i>Journal of Organic Chemistry</i> , 1992 , 57, 2217-2219	4.2	192
314	HCV direct-acting antiviral agents: the best interferon-free combinations. <i>Liver International</i> , 2014 , 34 Suppl 1, 69-78	7.9	186
313	Design, synthesis, and antiviral activity of 2 <i>O</i> -deoxy-2 <i>G</i> -fluoro-2 <i>G</i> -methylcytidine, a potent inhibitor of hepatitis C virus replication. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 5504-8	8.3	176
312	Suppression of hepatitis B virus DNA accumulation in chronically infected cells using a bacterial CRISPR/Cas RNA-guided DNA endonuclease. <i>Virology</i> , 2015 , 476, 196-205	3.6	168
311	Metabolism, Biochemical Actions, and Chemical Synthesis of Anticancer Nucleosides, Nucleotides, and Base Analogs. <i>Chemical Reviews</i> , 2016 , 116, 14379-14455	68.1	167
310	Antiviral L-nucleosides specific for hepatitis B virus infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2001 , 45, 229-35	5.9	163
309	Ribonucleoside analogue that blocks replication of bovine viral diarrhoea and hepatitis C viruses in culture. <i>Antimicrobial Agents and Chemotherapy</i> , 2003 , 47, 244-54	5.9	150
308	COVID-19: Discovery, diagnostics and drug development. <i>Journal of Hepatology</i> , 2021 , 74, 168-184	13.4	133
307	Viral sanctuaries during highly active antiretroviral therapy in a nonhuman primate model for AIDS. <i>Journal of Virology</i> , 2010 , 84, 2913-22	6.6	129
306	In situ complexation directs the stereochemistry of N-glycosylation in the synthesis of thialanyl and dioxolanyl nucleoside analogs. <i>Journal of the American Chemical Society</i> , 1991 , 113, 9377-9379	16.4	120
305	Antiviral activities and cellular toxicities of modified 2 <i>O</i> -deoxy-2 <i>O</i> -didehydrocytidine analogues. <i>Antimicrobial Agents and Chemotherapy</i> , 2002 , 46, 3854-60	5.9	116

304	Asymmetric synthesis of 1,3-dioxolane-pyrimidine nucleosides and their anti-HIV activity. <i>Journal of Medicinal Chemistry</i> , 1992 , 35, 1987-95	8.3	104
303	Acyclovir is activated into a HIV-1 reverse transcriptase inhibitor in herpesvirus-infected human tissues. <i>Cell Host and Microbe</i> , 2008 , 4, 260-270	23.4	102
302	Differential removal of thymidine nucleotide analogues from blocked DNA chains by human immunodeficiency virus reverse transcriptase in the presence of physiological concentrations of 2′-deoxynucleoside triphosphates. <i>Antimicrobial Agents and Chemotherapy</i> , 2000 , 44, 3465-72	5.9	100
301	Inhibition of hepatitis C replicon RNA synthesis by beta-D-2′-deoxy-2′-fluoro-2′-methylcytidine: a specific inhibitor of hepatitis C virus replication. <i>Antiviral Chemistry and Chemotherapy</i> , 2006 , 17, 79-87	3.5	97
300	Mechanism of activation of beta-D-2′-deoxy-2′-fluoro-2′-methylcytidine and inhibition of hepatitis C virus NS5B RNA polymerase. <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 503-9	5.9	92
299	Treatment of hepatitis C virus infection with direct-acting antiviral agents: 100% cure?. <i>Liver International</i> , 2018 , 38 Suppl 1, 7-13	7.9	91
298	In vitro selection of mutations in the human immunodeficiency virus type 1 reverse transcriptase that decrease susceptibility to (-)-beta-D-dioxolane-guanosine and suppress resistance to 3′-azido-3′-deoxythymidine. <i>Antimicrobial Agents and Chemotherapy</i> , 2000 , 44, 1783-8	5.9	89
297	Cost analysis of sofosbuvir/ribavirin versus sofosbuvir/simeprevir for genotype 1 hepatitis C virus in interferon-ineligible/intolerant individuals. <i>Hepatology</i> , 2014 , 60, 37-45	11.2	88
296	Affinity of the antiviral enantiomers of oxathiolane cytosine nucleosides for human 2′-deoxycytidine kinase. <i>Biochemical Pharmacology</i> , 1993 , 45, 1540-3	6	87
295	Preclinical characterization of GLS4, an inhibitor of hepatitis B virus core particle assembly. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 5344-54	5.9	86
294	L-beta-(2S,4S)- and L-alpha-(2S,4R)-dioxolanyl nucleosides as potential anti-HIV agents: asymmetric synthesis and structure-activity relationships. <i>Journal of Medicinal Chemistry</i> , 1993 , 36, 519-28	8.3	86
293	1,3-dioxolanyl-purine nucleosides (2R,4R) and (2R,4S) with selective anti-HIV-1 activity in human lymphocytes. <i>Journal of Medicinal Chemistry</i> , 1993 , 36, 30-7	8.3	84
292	Baricitinib treatment resolves lower-airway macrophage inflammation and neutrophil recruitment in SARS-CoV-2-infected rhesus macaques. <i>Cell</i> , 2021 , 184, 460-475.e21	56.2	84
291	Enzyme-mediated enantioselective preparation of pure enantiomers of the antiviral agent 2′-deoxy-5-fluoro-3-thiacytidine (FTC) and related compounds. <i>Journal of Organic Chemistry</i> , 1992 , 57, 5563-5565	4.2	83
290	Ribonucleoside triphosphates as substrate of human immunodeficiency virus type 1 reverse transcriptase in human macrophages. <i>Journal of Biological Chemistry</i> , 2010 , 285, 39380-91	5.4	82
289	Mechanism of action of 1-beta-D-2,6-diaminopurine dioxolane, a prodrug of the human immunodeficiency virus type 1 inhibitor 1-beta-D-dioxolane guanosine. <i>Antimicrobial Agents and Chemotherapy</i> , 2001 , 45, 158-65	5.9	78
288	Zika in the Americas, year 2: What have we learned? What gaps remain? A report from the Global Virus Network. <i>Antiviral Research</i> , 2017 , 144, 223-246	10.8	77
287	Antiretroviral therapy in macrophages: implication for HIV eradication. <i>Antiviral Chemistry and Chemotherapy</i> , 2009 , 20, 63-78	3.5	75

286	Nucleic acids and nucleosides containing carboranes. <i>Journal of Organometallic Chemistry</i> , 1999 , 581, 156-169	2.3	75
285	Best strategies for global HCV eradication. <i>Liver International</i> , 2013 , 33 Suppl 1, 68-79	7.9	73
284	Use of Baricitinib in Patients With Moderate to Severe Coronavirus Disease 2019. <i>Clinical Infectious Diseases</i> , 2021 , 72, 1247-1250	11.6	72
283	Human herpesvirus 8 open reading frame 21 is a thymidine and thymidylate kinase of narrow substrate specificity that efficiently phosphorylates zidovudine but not ganciclovir. <i>Journal of Virology</i> , 2000 , 74, 684-92	6.6	70
282	Multiple drug effect analysis with confidence interval. <i>Antiviral Research</i> , 1994 , 25, 1-11	10.8	70
281	Preparation of ribavirin analogues by copper- and ruthenium-catalyzed azide-alkyne 1,3-dipolar cycloaddition. <i>Tetrahedron</i> , 2008 , 64, 9044-9051	2.4	69
280	Synthesis and anti-HIV and anti-HBV activities of 2-fluoro-2-unsaturated L-nucleosides. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 1320-8	8.3	68
279	Dynamics of subgenomic hepatitis C virus replicon RNA levels in Huh-7 cells after exposure to nucleoside antimetabolites. <i>Journal of Virology</i> , 2003 , 77, 10689-94	6.6	67
278	Relationship between antiviral activity and host toxicity: comparison of the incorporation efficiencies of 2-deoxy-5-fluoro-3-thiacytidine-triphosphate analogs by human immunodeficiency virus type 1 reverse transcriptase and human mitochondrial DNA polymerase. <i>Antimicrobial Agents and Chemotherapy</i> , 2004 , 48, 1300-6	5.9	66
277	Nucleoside inhibitors of human immunodeficiency virus type 1 reverse transcriptase. <i>Current Topics in Medicinal Chemistry</i> , 2004 , 4, 895-919	3	65
276	ddN4-hydroxycytidine Inhibits SARS-CoV-2 Through Lethal Mutagenesis But Is Also Mutagenic To Mammalian Cells. <i>Journal of Infectious Diseases</i> , 2021 , 224, 415-419	7	65
275	Efficacy and safety of 3-week response-guided triple direct-acting antiviral therapy for chronic hepatitis C infection: a phase 2, open-label, proof-of-concept study. <i>The Lancet Gastroenterology and Hepatology</i> , 2016 , 1, 97-104	18.8	65
274	Role of Marine Natural Products in the Genesis of Antiviral Agents. <i>Chemical Reviews</i> , 2015 , 115, 9655-7068	16.1	62
273	Mechanistic studies show that (-)-FTC-TP is a better inhibitor of HIV-1 reverse transcriptase than 3TC-TP. <i>FASEB Journal</i> , 1999 , 13, 1511-7	0.9	62
272	Molnupiravir promotes SARS-CoV-2 mutagenesis via the RNA template. <i>Journal of Biological Chemistry</i> , 2021 , 297, 100770	5.4	62
271	Chutes and ladders in hepatitis C nucleoside drug development. <i>Antiviral Research</i> , 2014 , 102, 119-47	10.8	60
270	Ruxolitinib and tofacitinib are potent and selective inhibitors of HIV-1 replication and virus reactivation in vitro. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 1977-86	5.9	59
269	In vitro activity of structurally diverse nucleoside analogs against human immunodeficiency virus type 1 with the K65R mutation in reverse transcriptase. <i>Antimicrobial Agents and Chemotherapy</i> , 2005 , 49, 1139-44	5.9	59

268	Synthesis, cytotoxicity, and antiviral activities of new neolignans related to honokiol and magnolol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 4428-31	2.9	56
267	Cofactor mimics as selective inhibitors of NAD-dependent inosine monophosphate dehydrogenase (IMPDH)--the major therapeutic target. <i>Current Medicinal Chemistry</i> , 2004 , 11, 887-900	4.3	56
266	SAMHD1 controls cell cycle status, apoptosis and HIV-1 infection in monocytic THP-1 cells. <i>Virology</i> , 2016 , 495, 92-100	3.6	56
265	Antiretroviral monocyte efficacy score linked to cognitive impairment in HIV. <i>Antiviral Therapy</i> , 2012 , 17, 1233-42	1.6	55
264	Synthesis and antiviral activity of 2-Deoxy-2-Fluoro-2-C-methyl purine nucleosides as inhibitors of hepatitis C virus RNA replication. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 1712-5	2.9	55
263	Suppression of virus load by highly active antiretroviral therapy in rhesus macaques infected with a recombinant simian immunodeficiency virus containing reverse transcriptase from human immunodeficiency virus type 1. <i>Journal of Virology</i> , 2005 , 79, 7349-54	6.6	54
262	Significance of endangered and threatened plant natural products in the control of human disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 16832-7	11.5	53
261	Combined antiviral effect of interferon and acyclovir on herpes simplex virus types 1 and 2. <i>Antimicrobial Agents and Chemotherapy</i> , 1981 , 19, 672-4	5.9	53
260	Treatment as prevention and cure towards global eradication of hepatitis C virus. <i>Trends in Microbiology</i> , 2013 , 21, 625-33	12.4	52
259	Boron Containing Pyrimidines, Nucleosides, and Oligonucleotides for Neutron Capture Therapy. <i>Nucleosides & Nucleotides</i> , 1994 , 13, 849-880		52
258	Asymmetric synthesis of enantiomerically pure (1 <i>R</i> ,4 <i>R</i>)-dioxolane-thymine and its anti-HIV activity.. <i>Tetrahedron Letters</i> , 1991 , 32, 3791-3794	2	52
257	Novel mechanisms to inhibit HIV reservoir seeding using Jak inhibitors. <i>PLoS Pathogens</i> , 2017 , 13, e1006740	7.4	51
256	A research agenda for curing chronic hepatitis B virus infection. <i>Hepatology</i> , 2018 , 67, 1127-1131	11.2	51
255	Antiviral activity of nucleoside analogues against norovirus. <i>Antiviral Therapy</i> , 2012 , 17, 981-91	1.6	51
254	Synthesis, structure-activity relationships, and drug resistance of beta-d-3-Fluoro-2-β-unsaturated nucleosides as anti-HIV Agents. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 3399-408	8.3	50
253	Effect of beta-enantiomeric and racemic nucleoside analogues on mitochondrial functions in HepG2 cells. Implications for predicting drug hepatotoxicity. <i>Biochemical Pharmacology</i> , 1996 , 52, 1577-84	6	50
252	Advances in nucleoside monophosphate prodrugs as anti-HCV agents. <i>Antiviral Therapy</i> , 2010 , 15, 935-50.6	50.6	49
251	Pharmacology of current and promising nucleosides for the treatment of human immunodeficiency viruses. <i>Antiviral Research</i> , 2006 , 71, 322-34	10.8	49

250	Synthesis and biological evaluation of 2'-deoxy-2'-deoxy-5-fluorocytidine (D4FC) analogues: discovery of carbocyclic nucleoside triphosphates with potent inhibitory activity against HIV-1 reverse transcriptase. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 859-67	8.3	48
249	Nucleosides. 133. Synthesis of 5-alkenyl-1-(2-deoxy-2-fluoro-beta-D-arabinofuranosyl)cytosines and related pyrimidine nucleosides as potential antiviral agents. <i>Journal of Medicinal Chemistry</i> , 1985 , 28, 741-8	8.3	48
248	Characterization of Ed-4 Hydroxycytidine as a Novel Inhibitor of Chikungunya Virus. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	47
247	Facile purification of honokiol and its antiviral and cytotoxic properties. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 3426-7	8.3	47
246	DPC 817: a cytidine nucleoside analog with activity against zidovudine- and lamivudine-resistant viral variants. <i>Antimicrobial Agents and Chemotherapy</i> , 2002 , 46, 1394-401	5.9	47
245	Structure-activity relationships of 2'-deoxy-2'-difluoro-L-erythro-pentofuranosyl nucleosides. <i>Journal of Medicinal Chemistry</i> , 1997 , 40, 3635-44	8.3	46
244	Approaches to hepatitis C treatment and cure using NS5A inhibitors. <i>Infection and Drug Resistance</i> , 2014 , 7, 41-56	4.2	45
243	Towards HBV curative therapies. <i>Liver International</i> , 2018 , 38 Suppl 1, 102-114	7.9	44
242	Cellular pharmacology and biological activity of 5-carboranyl-2'-deoxyuridine. <i>International Journal of Radiation Oncology Biology Physics</i> , 1994 , 28, 1113-20	4	44
241	Anti-HIV-1 and cytotoxicity studies of piperidyl-thienyl chalcones and their 2-pyrazoline derivatives. <i>Medicinal Chemistry Research</i> , 2012 , 21, 3741-3749	2.2	43
240	l-2'-deoxy-2'-deoxy-3-fluoronucleosides: synthesis, anti-HIV activity, chemical and enzymatic stability, and mechanism of resistance. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 3245-56	8.3	43
239	Carboranyl Oligonucleotides. 2. Synthesis and Physicochemical Properties of Dodecathymidylate Containing 5-(o-Carboran-1-yl)-2'-deoxyuridine. <i>Journal of the American Chemical Society</i> , 1994 , 116, 7494-7501 ^{16,4}	16.4	43
238	Predicting Zika virus structural biology: Challenges and opportunities for intervention. <i>Antiviral Chemistry and Chemotherapy</i> , 2015 , 24, 118-26	3.5	42
237	The Janus kinase inhibitor ruxolitinib reduces HIV replication in human macrophages and ameliorates HIV encephalitis in a murine model. <i>Neurobiology of Disease</i> , 2016 , 92, 137-43	7.5	40
236	Simultaneous quantification of intracellular natural and antiretroviral nucleosides and nucleotides by liquid chromatography-tandem mass spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 1982-9	7.8	40
235	Raltegravir is a potent inhibitor of XMRV, a virus implicated in prostate cancer and chronic fatigue syndrome. <i>PLoS ONE</i> , 2010 , 5, e9948	3.7	40
234	Asymmetric binding to NS5A by daclatasvir (BMS-790052) and analogs suggests two novel modes of HCV inhibition. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 10031-43	8.3	38
233	3-Azido-2'-deoxyuridine (AzddU): comparative pharmacokinetics with 3-Azido-3'-deoxythymidine (AZT) in monkeys. <i>AIDS Research and Human Retroviruses</i> , 1990 , 6, 219-28	1.6	38

232	Nucleosides. 136. Synthesis and antiviral effects of several 1-(2-deoxy-2-fluoro-beta-D-arabinofuranosyl)-5-alkyluracils. Some structure-activity relationships. <i>Journal of Medicinal Chemistry</i> , 1986 , 29, 151-4	8.3	37
231	Efavirenz therapy in rhesus macaques infected with a chimera of simian immunodeficiency virus containing reverse transcriptase from human immunodeficiency virus type 1. <i>Antimicrobial Agents and Chemotherapy</i> , 2004 , 48, 3483-90	5.9	36
230	The 3-azido group is not the primary determinant of 3-azido-3-deoxythymidine (AZT) responsible for the excision phenotype of AZT-resistant HIV-1. <i>Journal of Biological Chemistry</i> , 2005 , 280, 29047-52	5.4	36
229	Comparative pharmacokinetics and interspecies scaling of 3-azido-3-deoxythymidine (AZT) in several mammalian species. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1990 , 13, 206-11		35
228	Simian Immunodeficiency Virus Persistence in Cellular and Anatomic Reservoirs in Antiretroviral Therapy-Suppressed Infant Rhesus Macaques. <i>Journal of Virology</i> , 2018 , 92,	6.6	34
227	Substrates and Inhibitors of SAMHD1. <i>PLoS ONE</i> , 2017 , 12, e0169052	3.7	32
226	Cell-based and animal models for hepatitis B and C viruses. <i>Antiviral Chemistry and Chemotherapy</i> , 1999 , 10, 99-114	3.5	32
225	Synthesis, biotransformation, and pharmacokinetic studies of 9-(beta-D-arabinofuranosyl)-6-azidopurine: a prodrug for ara-A designed to utilize the azide reduction pathway. <i>Journal of Medicinal Chemistry</i> , 1996 , 39, 5202-7	8.3	32
224	Antiviral iodinated pyrimidine deoxyribonucleosides: 5-iodo-2-deoxyuridine; 5-iodo-2-deoxycytidine; 5-iodo-5-amino-2-deoxyuridine 1979 , 7, 1-34		31
223	Combinations of 2C-methylcytidine analogues with interferon-alpha2b and triple combination with ribavirin in the hepatitis C virus replicon system. <i>Antiviral Chemistry and Chemotherapy</i> , 2008 , 19, 25-31	3.5	30
222	Synthesis, antiviral activity, and mechanism of drug resistance of D- and L-2,6-dideoxy-2,6-dideoxy-2-fluorocarbocyclic nucleosides. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 3736-48	8.3	30
221	dNTP pool modulation dynamics by SAMHD1 protein in monocyte-derived macrophages. <i>Retrovirology</i> , 2014 , 11, 63	3.6	29
220	HIV-1 resistance profile of the novel nucleoside reverse transcriptase inhibitor beta-D-2,6-dideoxy-2,6-dideoxy-5-fluorocytidine (Reverset). <i>Antiviral Chemistry and Chemotherapy</i> , 2003 , 14, 49-59	3.5	29
219	Enhanced Antiviral Benefit of Combination Therapy with Lamivudine and Alpha Interferon against WHV Replication in Chronic Carrier Woodchucks. <i>Antiviral Therapy</i> , 2000 , 5, 95-104	1.6	29
218	Synthesis of sulfamoylbenzamide derivatives as HBV capsid assembly effector. <i>European Journal of Medicinal Chemistry</i> , 2017 , 138, 407-421	6.8	28
217	Cellular pharmacology and potency of HIV-1 nucleoside analogs in primary human macrophages. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 1262-9	5.9	28
216	Repurposing Nucleoside Analogs for Human Coronaviruses. <i>Antimicrobial Agents and Chemotherapy</i> , 2020 , 65,	5.9	28
215	Resistance to reverse transcriptase inhibitors used in the treatment and prevention of HIV-1 infection. <i>Future Microbiology</i> , 2015 , 10, 1773-82	2.9	27

214	A chemiluminescence immunoassay for evaluation of <i>Cryptosporidium parvum</i> growth in vitro. <i>FEMS Microbiology Letters</i> , 1996 , 136, 251-6	2.9	27
213	Baicalein and Baicalin Inhibit SARS-CoV-2 RNA-Dependent-RNA Polymerase. <i>Microorganisms</i> , 2021 , 9,	4.9	27
212	ED-2OC-Methyl-2,6-diaminopurine Ribonucleoside Phosphoramidates are Potent and Selective Inhibitors of Hepatitis C Virus (HCV) and Are Bioconverted Intracellularly to Bioactive 2,6-Diaminopurine and Guanosine 5OTriphosphate Forms. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 3445-58	8.3	26
211	Synthesis and potent anti-HIV activity of L-3Gfluoro-2QUnsaturated cytidine. <i>Organic Letters</i> , 2001 , 3, 4177-80	6.2	26
210	Probing the structural and molecular basis of nucleotide selectivity by human mitochondrial DNA polymerase \square <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 8596-601	11.5	25
209	Derivatives of 4-amino-3,6-disulfonato-1,8-naphthalimide inhibit reverse transcriptase and suppress human and feline immunodeficiency virus expression in cultured cells. <i>Journal of Cellular Biochemistry</i> , 1993 , 51, 446-57	4.7	25
208	Antiviral and antineoplastic activities of pyrimidine arabinosyl nucleosides and their 5Oamino derivatives. <i>Journal of Medicinal Chemistry</i> , 1979 , 22, 1273-7	8.3	25
207	From HCV To HBV Cure. <i>Liver International</i> , 2017 , 37 Suppl 1, 73-80	7.9	24
206	Mechanistic and Kinetic Differences between Reverse Transcriptases of Vpx Coding and Non-coding Lentiviruses. <i>Journal of Biological Chemistry</i> , 2015 , 290, 30078-86	5.4	23
205	Anti-hepatitis C virus activity of novel beta-d-2OC-methyl-4Oazido pyrimidine nucleoside phosphoramidate prodrugs. <i>Antiviral Chemistry and Chemotherapy</i> , 2009 , 20, 99-106	3.5	23
204	Metabolism of the anti-hepatitis C virus nucleoside beta-D-N4-hydroxycytidine in different liver cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2004 , 48, 4636-42	5.9	23
203	Toward Elimination of Hepatitis B Virus Using Novel Drugs, Approaches, and Combined Modalities. <i>Clinics in Liver Disease</i> , 2016 , 20, 737-749	4.6	23
202	Metabolic profiling during HIV-1 and HIV-2 infection of primary human monocyte-derived macrophages. <i>Virology</i> , 2016 , 491, 106-14	3.6	22
201	Anti-HIV activity of (-)-(2R,4R)-1- (2-hydroxymethyl-1,3-dioxolan-4-yl)-thymine against drug-resistant HIV-1 mutants and studies of its molecular mechanism. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 3949-52	8.3	22
200	Mutations in the conserved woodchuck hepatitis virus polymerase FLLA and YMDD regions conferring resistance to lamivudine. <i>Antiviral Research</i> , 2002 , 55, 141-50	10.8	22
199	Synthesis of 2QDideoxy-3Gfluoro-L-ribonucleosides as potential antiviral agents from D-sorbitol. <i>Carbohydrate Research</i> , 2000 , 328, 49-59	2.9	22
198	The synthesis and anti-hiv activity of pyrimidine dioxolanyl nucleosides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1993 , 3, 169-174	2.9	22
197	Pharmacokinetics and Placental Transfer of Elvitegravir, Dolutegravir, and Other Antiretrovirals during Pregnancy. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	21

196	Synthesis and biological evaluation of new potent and selective HCV NS5A inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 3488-91	2.9	21
195	Interactions of enantiomers of 2 β -dehydro-2 β -deoxy-fluorocytidine with wild type and M184V mutant HIV-1 reverse transcriptase. <i>Antiviral Research</i> , 2002 , 56, 189-205	10.8	21
194	Probing the mechanistic consequences of 5-fluorine substitution on cytidine nucleotide analogue incorporation by HIV-1 reverse transcriptase. <i>Antiviral Chemistry and Chemotherapy</i> , 2003 , 14, 115-25	3.5	21
193	New classes of fluorinated L-nucleosides; synthesis and antiviral activity. <i>Nucleosides & Nucleotides</i> , 1999 , 18, 537-40		21
192	Increased activity of unlinked Zika virus NS2B/NS3 protease compared to linked Zika virus protease. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 492, 668-673	3.4	20
191	Baricitinib reverses HIV-associated neurocognitive disorders in a SCID mouse model and reservoir seeding in vitro. <i>Journal of Neuroinflammation</i> , 2019 , 16, 182	10.1	20
190	Chronic liver inflammation modifies DNA methylation at the precancerous stage of murine hepatocarcinogenesis. <i>Oncotarget</i> , 2015 , 6, 11047-60	3.3	20
189	The Impact of Macrophage Nucleotide Pools on HIV-1 Reverse Transcription, Viral Replication, and the Development of Novel Antiviral Agents. <i>Molecular Biology International</i> , 2012 , 2012, 625983		20
188	Anti-HBV specific beta-L-2 β -deoxynucleosides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001 , 20, 597-607	6.7	20
187	Pharmacokinetics of (-)-beta-D-dioxolane guanine and prodrug (-)-beta-D-2,6-diaminopurine dioxolane in rats and monkeys. <i>AIDS Research and Human Retroviruses</i> , 1999 , 15, 1625-30	1.6	20
186	Efficient synthesis of nucleoside aryloxy phosphoramidate prodrugs utilizing benzyloxycarbonyl protection. <i>Tetrahedron</i> , 2011 , 67, 5487-5493	2.4	19
185	Pharmacodynamics of (-)-beta-2 β -deoxy-3 β -thiacytidine in chronically virus-infected woodchucks compared to its pharmacodynamics in humans. <i>Antimicrobial Agents and Chemotherapy</i> , 1998 , 42, 2804-9 ^{5.9}	5.9	19
184	From d-to l-nucleoside analogs as antiviral agents. <i>Advances in Antiviral Drug Design</i> , 1999 , 1-68		19
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