Christophe Pannecouque

List of Publications by Citations

486 papers	13,649 citations	58 h-index	84 g-index
575 ext. papers	15,195 ext. citations	4.7 avg, IF	6.2 L-index

#	Paper	IF	Citations
486	Tetrazolium-based colorimetric assay for the detection of HIV replication inhibitors: revisited 20 years later. *Nature Protocols*, **2008**, 3, 427-34	18.8	284
485	Synthesis and antiviral activity of new pyrazole and thiazole derivatives. *European Journal of Medicinal Chemistry*, **2009**, 44, 3746-53	6.8	231
484	Anti-HIV Drug Discovery and Development: Current Innovations and Future Trends. *Journal of Medicinal Chemistry*, **2016**, 59, 2849-78	8.3	199
483	Discovery of 2,3-diaryl-1,3-thiazolidin-4-ones as potent anti-HIV-1 agents. *Bioorganic and Medicinal Chemistry Letters*, **2001**, 11, 1793-6	2.9	192
482	Plant lectins are potent inhibitors of coronaviruses by interfering with two targets in the viral replication cycle. *Antiviral Research*, **2007**, 75, 179-87	10.8	191
481	Susceptibility of HIV-2, Siv and Shiv to Various Anti-HIV-1 Compounds: Implications for Treatment and Postexposure Prophylaxis. *Antiviral Therapy*, **2004**, 9, 57-65	1.6	161
480	Synthesis and antiviral activity evaluation of some new 6-substituted 3-(1-adamantyl)-1,2,4-triazolo[3,4-b][1,3,4]thiadiazoles. *Il Farmaco*, **2002**, 57, 253-7		150
479	Design, synthesis, and evaluation of 2-aryl-3-heteroaryl-1,3-thiazolidin-4-ones as anti-HIV agents. *Bioorganic and Medicinal Chemistry*, **2007**, 15, 1725-31	3.4	147
478	Design, synthesis, structure-activity relationships, and molecular modeling studies of 2,3-diaryl-1,3-thiazolidin-4-ones as potent anti-HIV agents. *Journal of Medicinal Chemistry*, **2002**, 45, 5410-3	8.3	143
477	Chicoric acid analogues as HIV-1 integrase inhibitors. *Journal of Medicinal Chemistry*, **1999**, 42, 1401-14	8.3	142
476	Polyanionic (i.e., Polysulfonate) Dendrimers Can Inhibit the Replication of Human Immunodeficiency Virus by Interfering with Both Virus Adsorption and Later Steps (Reverse Transcriptase/Integrase) in the Virus Replicative Cycle. *Molecular Pharmacology*, **2000**, 58, 1100-1108	4.3	133
475	Design and Synthesis of DiselenoBisBenzamides (DISeBAs) as Nucleocapsid Protein 7 (NCp7) Inhibitors with anti-HIV Activity. *Journal of Medicinal Chemistry*, **2015**, 58, 9601-14	8.3	124
474	Human immunodeficiency virus glycoprotein gp120 as the primary target for the antiviral action of AR177 (Zintevir). *Molecular Pharmacology*, **1998**, 53, 340-5	4.3	114
473	Indolylarylsulfones as HIV-1 non-nucleoside reverse transcriptase inhibitors: new cyclic substituents at indole-2-carboxamide. *Journal of Medicinal Chemistry*, **2011**, 54, 1587-98	8.3	112
472	A 1,8-naphthyridone derivative targets the HIV-1 Tat-mediated transcription and potently inhibits the HIV-1 replication. *Journal of Medicinal Chemistry*, **2010**, 53, 641-8	8.3	106
471	Deoxythreosyl phosphonate nucleosides as selective anti-HIV agents. *Journal of the American Chemical Society*, **2005**, 127, 5056-65	16.4	106
470	Viral entry as the primary target for the anti-HIV activity of chicoric acid and its tetra-acetyl esters. *Molecular Pharmacology*, **2000**, 58, 641-8	4.3	105

469	Improved and rapid synthesis of new coumarinyl chalcone derivatives and their antiviral activity. *Tetrahedron Letters*, **2007**, 48, 8472-8474	2	104
468	Synthesis and evaluation of 2-(2,6-dihalophenyl)-3-pyrimidinyl-1,3-thiazolidin-4-one analogues as anti-HIV-1 agents. *Bioorganic and Medicinal Chemistry*, **2007**, 15, 3134-42	3.4	104
467	Antiviral activity against human immunodeficiency virus type 1 (HIV-1) and type 2 (HIV-2) of ethnobotanically selected Ethiopian medicinal plants. *Phytotherapy Research*, **2001**, 15, 62-9	6.7	99
466	Non-nucleoside HIV-1 reverse transcriptase inhibitors. Part 11: structural modulations of diaryltriazines with potent anti-HIV activity. *European Journal of Medicinal Chemistry*, **2008**, 43, 1230-6	6.8	93
465	5-(5-Bromothien-2-yl)-2'-deoxyuridine and 5-(5-chlorothien-2-yl)-2'-deoxyuridine are equipotent to (E)-5-(2-bromovinyl)-2'-deoxyuridine in the inhibition of herpes simplex virus type I replication. *Journal of Medicinal Chemistry*, **1991**, 34, 2383-9	8.3	93
464	Configurationally restricted bismacrocyclic CXCR4 receptor antagonists. *Journal of Medicinal Chemistry*, **2006**, 49, 6162-5	8.3	92
463	Prevalence and characteristics of multinucleoside-resistant human immunodeficiency virus type 1 among European patients receiving combinations of nucleoside analogues. *Antimicrobial Agents and Chemotherapy*, **2000**, 44, 2109-17	5.9	91
462	New class of HIV integrase inhibitors that block viral replication in cell culture. *Current Biology*, **2002**, 12, 1169-77	6.3	90
461	Design and synthesis of 2-(2,6-dibromophenyl)-3-heteroaryl-1,3-thiazolidin-4-ones as anti-HIV agents. *European Journal of Medicinal Chemistry*, **2008**, 43, 2800-6	6.8	89
460	Anti-HIV-1 activity of the G-quadruplex ligand BRACO-19. *Journal of Antimicrobial Chemotherapy*, **2014**, 69, 3248-58	5.1	87
459	A time-of-drug addition approach to target identification of antiviral compounds. *Nature Protocols*, **2011**, 6, 925-33	18.8	87
458	Development of resistance against diketo derivatives of human immunodeficiency virus type 1 by progressive accumulation of integrase mutations. *Journal of Virology*, **2003**, 77, 11459-70	6.6	87
457	Design, Synthesis, and Evaluation of Thiophene[3,2-d]pyrimidine Derivatives as HIV-1 Non-nucleoside Reverse Transcriptase Inhibitors with Significantly Improved Drug Resistance Profiles. *Journal of Medicinal Chemistry*, **2016**, 59, 7991-8007	8.3	84
456	Design strategies of novel NNRTIs to overcome drug resistance. *Current Medicinal Chemistry*, **2009**, 16, 3903-17	4.3	83
455	2-(2,6-Dihalophenyl)-3-(pyrimidin-2-yl)-1,3-thiazolidin-4-ones as non-nucleoside HIV-1 reverse transcriptase inhibitors. *Antiviral Research*, **2004**, 63, 79-84	10.8	82
454	Pyridine N-oxide derivatives: unusual anti-HIV compounds with multiple mechanisms of antiviral action. *Journal of Antimicrobial Chemotherapy*, **2005**, 55, 135-8	5.1	82
453	Bioactive Natural Products Prioritization Using Massive Multi-informational Molecular Networks. *ACS Chemical Biology*, **2017**, 12, 2644-2651	4.9	81
452	Synthesis and anti-HIV activity of new modified 1,2,3-triazole acyclonucleosides. *Nucleosides, Nucleotides and Nucleic Acids*, **2001**, 20, 1949-60	1.4	81

451	Resistance of human immunodeficiency virus type 1 to the high-mannose binding agents cyanovirin N and concanavalin A. *Journal of Virology*, **2005**, 79, 7777-84	6.6	80
450	env Chimeric Virus Technology for Evaluating Human Immunodeficiency Virus Susceptibility to Entry Inhibitors. *Antimicrobial Agents and Chemotherapy*, **2003**, 47, 1177-1177	5.9	78
449	Graphene Quantum Dots Based Systems As HIV Inhibitors. *Bioconjugate Chemistry*, **2018**, 29, 3084-3093	6.3	73
448	Binding optimization through coordination chemistry: CXCR4 chemokine receptor antagonists from ultrarigid metal complexes. *Journal of the American Chemical Society*, **2009**, 131, 3416-7	16.4	73
447	A yeast-based model of alpha-synucleinopathy identifies compounds with therapeutic potential. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2006**, 1762, 312-8	6.9	73
446	Synthesis and anti-hIV activity of 1-(2,6-difluorophenyl)-1H,3H-thiazolo[3,4-a]benzimidazole structurally-related 1,2-substituted benzimidazoles. *Il Farmaco*, **2002**, 57, 819-23		73
445	A microwave-assisted diastereoselective multicomponent reaction to access dibenzo[c,e]azepinones: synthesis and biological evaluation. *Journal of Organic Chemistry*, **2011**, 76, 2828-39	4.3	71
444	Novel 1,2,3-thiadiazole derivatives as HIV-1 NNRTIs with improved potency: Synthesis and preliminary SAR studies. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 5920-7	3.4	71
443	Activity of non-nucleoside reverse transcriptase inhibitors against HIV-2 and SIV. *Aids*, **1999**, 13, 1477-83	3.5	70
442	Fused heterocycles bearing bridgehead nitrogen as potent HIV-1 NNRTIs. Part 3: optimization of [1,2,4]triazolo[1,5-a]pyrimidine core via structure-based and physicochemical property-driven approaches. *European Journal of Medicinal Chemistry*, **2015**, 92, 754-65	6.8	69
441	Structure-Based Optimization of Thiophene[3,2-d]pyrimidine Derivatives as Potent HIV-1 Non-nucleoside Reverse Transcriptase Inhibitors with Improved Potency against Resistance-Associated Variants. *Journal of Medicinal Chemistry*, **2017**, 60, 4424-4443	8.3	65
440	Multiple mutations in human immunodeficiency virus-1 integrase confer resistance to the clinical trial drug S-1360. *Aids*, **2004**, 18, 2019-28	3.5	65
439	Synthesis and anti-HIV activity of 2,3-diaryl-1,3-thiazolidin-4-(thi)one derivatives. *Il Farmaco*, **2002**, 57, 747-51		65
438	Synthesis and anti-HIV activity of new alkenyldiarylmethane (ADAM) non-nucleoside reverse transcriptase inhibitors (NNRTIs) incorporating benzoxazolone and benzisoxazole rings. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 2366-74	3.4	64
437	Synthesis of new 2,3-diaryl-1,3-thiazolidin-4-ones as anti-HIV agents. *Il Farmaco*, **2004**, 59, 33-9		64
436	Discovery of novel benzimidazolones as potent non-nucleoside reverse transcriptase inhibitors active against wild-type and mutant HIV-1 strains. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 1956-60	2.9	63
435	Potent anti-HIV (type 1 and type 2) activity of polyoxometalates: structure-activity relationship and mechanism of action. *Journal of Medicinal Chemistry*, **2000**, 43, 778-83	8.3	63
434	Synthesis and screening for anti-HIV activity of some N-Mannich bases of isatin derivatives. *Chemotherapy*, **1999**, 45, 192-6	3.2	63

433	Synthesis of (Z) and (E) -alkenyl phosphonic acid derivatives of purines and pyrimidines. *Tetrahedron*, **1998**, 54, 3807-3816	2.4	62
432	Synthesis of new covalently bound kappa-carrageenan-AZT conjugates with improved anti-HIV activities. *Journal of Medicinal Chemistry*, **2002**, 45, 1275-83	8.3	61
431	1,2,3-Thiadiazole thioacetanilides as a novel class of potent HIV-1 non-nucleoside reverse transcriptase inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 5368-71	2.9	60
430	Antiviral potential of a new generation of acyclic nucleoside phosphonates, the 6-[2-(phosphonomethoxy)alkoxy]-2,4-diaminopyrimidines. *Nucleosides, Nucleotides and Nucleic Acids*, **2005**, 24, 331-41	1.4	59
429	Antiretrovirus activity of a novel class of acyclic pyrimidine nucleoside phosphonates. *Antimicrobial Agents and Chemotherapy*, **2002**, 46, 2185-93	5.9	58
428	1H-13C nuclear magnetic resonance assignment and structural characterization of HIV-1 Tat protein. *Comptes Rendus De L'Acadmie Des Sciences Srie 3, Sciences De La Vie*, **2000**, 323, 883-94		57
427	Design, synthesis, anti-HIV evaluation and molecular modeling of piperidine-linked amino-triazine derivatives as potent non-nucleoside reverse transcriptase inhibitors. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 3856-64	3.4	56
426	Fused heterocyclic compounds bearing bridgehead nitrogen as potent HIV-1 NNRTIs. Part 1: design, synthesis and biological evaluation of novel 5,7-disubstituted pyrazolo[1,5-a]pyrimidine derivatives. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 2052-9	3.4	55
425	Computational strategies in discovering novel non-nucleoside inhibitors of HIV-1 RT. *Journal of Medicinal Chemistry*, **2005**, 48, 3433-7	8.3	55
424	Synthesis and anti-HIV activity of 1,1,3-trioxo-2H,4H-thieno[3,4-e][1,2,4]thiadiazines (TTDs): a new family of HIV-1 specific non-nucleoside reverse transcriptase inhibitors. *Bioorganic and Medicinal Chemistry*, **1999**, 7, 2811-22	3.4	55
423	A second target for the peptoid Tat/transactivation response element inhibitor CGP64222: inhibition of human immunodeficiency virus replication by blocking CXC-chemokine receptor 4-mediated virus entry. *Molecular Pharmacology*, **2000**, 57, 116-24	4.3	55
422	Overview of Recent Strategic Advances in Medicinal Chemistry. *Journal of Medicinal Chemistry*, **2019**, 62, 9375-9414	8.3	53
421	Synthesis and antiproliferative evaluation of novel 2-(4H-1,2,4-triazole-3-ylthio)acetamide derivatives as inducers of apoptosis in cancer cells. *European Journal of Medicinal Chemistry*, **2016**, 121, 58-70	6.8	52
420	Jatrophane diterpenes as inhibitors of chikungunya virus replication: structure-activity relationship and discovery of a potent lead. *Journal of Natural Products*, **2014**, 77, 1505-12	4.9	51
419	Zinc(II) complexes of constrained antiviral macrocycles. *Dalton Transactions*, **2012**, 41, 6408-18	4.3	51
418	Conversion of 2',3'-dideoxyadenosine (ddA) and 2',3'-didehydro-2',3'-dideoxyadenosine (d4A) to their corresponding aryloxyphosphoramidate derivatives markedly potentiates their activity against human immunodeficiency virus and hepatitis B virus. *FEBS Letters*, **1997**, 410, 324-8	3.8	51
417	Inhibition of the CRM1-mediated nucleocytoplasmic transport by N-azolylacrylates: structure-activity relationship and mechanism of action. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 9487-97	3.4	51
416	Ceramide involvement in apoptosis and apoptotic diseases. *Mini-Reviews in Medicinal Chemistry*, **2006**, 6, 699-709	3.2	51

415	Anti-HIV activity of thiosemicarbazone and semicarbazone derivatives of (+/-)-3-menthone. *Archiv Der Pharmazie*, **2002**, 335, 183-6	4.3	51
414	Structure-activity relationship study on anti-HIV 6-desfluoroquinolones. *Journal of Medicinal Chemistry*, **2008**, 51, 5454-8	8.3	50
413	New 2-(1-adamantylcarbonyl)pyridine and 1-acetyladamantane thiosemicarbazones-thiocarbonohydrazones: cell growth inhibitory, antiviral and antimicrobial activity evaluation. *Bioorganic and Medicinal Chemistry Letters*, **2002**, 12, 723-7	2.9	50
412	Synthesis and anti-HIV activity of 2,3-diaryl-1,3-thiazolidin-4-ones. *Il Farmaco*, **2003**, 58, 115-20		50
411	Antiviral Activity of Diterpene Esters on Chikungunya Virus and HIV Replication. *Journal of Natural Products*, **2015**, 78, 1277-83	4.9	49
410	Synthesis and anti-HIV activity of carboxylated and drug-conjugated multi-walled carbon nanotubes. *Carbon*, **2015**, 82, 548-561	10.4	49
409	Cell-dependent interference of a series of new 6-aminoquinolone derivatives with viral (HIV/CMV) transactivation. *Journal of Antimicrobial Chemotherapy*, **2005**, 56, 847-55	5.1	49
408	1,2,3-Selenadiazole thioacetanilides: synthesis and anti-HIV activity evaluation. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 6374-9	3.4	48
407	Synthesis and biological evaluation of imidazole thioacetanilides as novel non-nucleoside HIV-1 reverse transcriptase inhibitors. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 5775-81	3.4	48
406	Inhibition of human immunodeficiency virus type 1 integration by diketo derivatives. *Antimicrobial Agents and Chemotherapy*, **2002**, 46, 3292-7	5.9	48
405	Exploiting the Tolerant Region I of the Non-Nucleoside Reverse Transcriptase Inhibitor (NNRTI) Binding Pocket: Discovery of Potent Diarylpyrimidine-Typed HIV-1 NNRTIs against Wild-Type and E138K Mutant Virus with Significantly Improved Water Solubility and Favorable Safety Profiles. *Journal of Medicinal Chemistry*, **2019**, 62, 2083-2098	8.3	47
404	Screening of Tanzanian medicinal plants against Plasmodium falciparum and human immunodeficiency virus. *Planta Medica*, **2010**, 76, 195-201	3.1	47
403	Heterocyclic rimantadine analogues with antiviral activity. *Bioorganic and Medicinal Chemistry*, **2003** , 11, 5485-92	3.4	47
402	Chemical studies of essential oils of Juniperus oxycedrus ssp. badia. *Journal of Ethnopharmacology*, **2002**, 81, 129-34	5	47
401	Novel inhibitors of HIV-1 integration. *Current Drug Metabolism*, **2004**, 5, 291-304	3.5	47
400	Anti-influenza virus activity and structure-activity relationship of aglycoristocetin derivatives with cyclobutenedione carrying hydrophobic chains. *Antiviral Research*, **2009**, 82, 89-94	10.8	46
399	Antiretroviral activity of semisynthetic derivatives of glycopeptide antibiotics. *Journal of Medicinal Chemistry*, **2003**, 46, 2755-64	8.3	46
398	Synthesis, biological evaluation and molecular modeling of a novel series of fused 1,2,3-triazoles as potential anti-coronavirus agents. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 3472-3476	2.9	46

397	Isonicotinic acid hydrazide derivatives: synthesis, antimicrobial activity, and QSAR studies. *Medicinal Chemistry Research*, **2012**, 21, 1451-1470	2.2	45
396	SRR-SB3, a disulfide-containing macrolide that inhibits a late stage of the replicative cycle of human immunodeficiency virus. *Antimicrobial Agents and Chemotherapy*, **1997**, 41, 262-8	5.9	45
395	1,1,3-Trioxo-2H,4H-thieno[3,4-e][1,2,4]thiadiazine (TTD) derivatives: a new class of nonnucleoside human immunodeficiency virus type 1 (HIV-1) reverse transcriptase inhibitors with anti-HIV-1 activity. *Antimicrobial Agents and Chemotherapy*, **1998**, 42, 618-23	5.9	45
394	Targeting the entrance channel of NNIBP: Discovery of diarylnicotinamide 1,4-disubstituted 1,2,3-triazoles as novel HIV-1 NNRTIs with high potency against wild-type and E138K mutant virus. *European Journal of Medicinal Chemistry*, **2018**, 151, 339-350	6.8	44
393	A new vinyl selenone-based domino approach to spirocyclopropyl oxindoles endowed with anti-HIV RT activity. *Organic and Biomolecular Chemistry*, **2016**, 14, 2015-24	3.9	44
392	Fused heterocycles bearing bridgehead nitrogen as potent HIV-1 NNRTIs. Part 2: discovery of novel [1,2,4]Triazolo[1,5-a]pyrimidines using a structure-guided core-refining approach. *European Journal of Medicinal Chemistry*, **2014**, 85, 293-303	6.8	44
391	Synthesis and studies of new 2-(coumarin-4-yloxy)-4,6-(substituted)-S-triazine derivatives as potential anti-HIV agents. *Archiv Der Pharmazie*, **2009**, 342, 281-90	4.3	44
390	Polyanion inhibitors of HIV and other viruses. 7. Polyanionic compounds and polyzwitterionic compounds derived from cyclodextrins as inhibitors of HIV transmission. *Journal of Medicinal Chemistry*, **1998**, 41, 4927-32	8.3	44
389	Broad-spectrum antiviral activity and mechanism of antiviral action of the fluoroquinolone derivative K-12. *Antiviral Chemistry and Chemotherapy*, **1998**, 9, 403-11	3.5	44
388	Synthesis, antiviral and anticancer activity of some novel thioureas derived from N-(4-nitro-2-phenoxyphenyl)-methanesulfonamide. *European Journal of Medicinal Chemistry*, **2009**, 44, 3591-5	6.8	43
387	Synthesis and anti-HIV activity evaluation of 2-(4-(naphthalen-2-yl)-1,2,3-thiadiazol-5-ylthio)-N-acetamides as novel non-nucleoside HIV-1 reverse transcriptase inhibitors. *European Journal of Medicinal Chemistry*, **2009**, 44, 4648-53	6.8	43
386	Synthesis and biological activity of novel 1H,3H-thiazolo[3,4-a]benzimidazoles: non-nucleoside human immunodeficiency virus type 1 reverse transcriptase inhibitors. *Antiviral Chemistry and Chemotherapy*, **1999**, 10, 211-7	3.5	43
385	New synthesis and anti-HIV and antiviral properties of 3-arylsulfonyl derivatives of 4-ydroxycoumarin and 4-hydroxyquinolone. *Pharmaceutical Chemistry Journal*, **2008**, 42, 265-270	0.9	42
384	Synthesis and anti-HIV activity of 4-[(1,2-dihydro-2-oxo-3H-indol-3-ylidene) amino]-N(4,6-dimethyl-2-pyrimidinyl)-benzene sulfonamide and its derivatives. *European Journal of Pharmaceutical Sciences*, **2001**, 14, 313-6	5.1	42
383	Synthesis, antimycobacterial, antiviral, antimicrobial activities, and QSAR studies of nicotinic acid benzylidene hydrazide derivatives. *Medicinal Chemistry Research*, **2012**, 21, 1557-1576	2.2	41
382	Straightforward synthesis of triazoloacyclonucleotide phosphonates as potential HCV inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 7365-8	2.9	41
381	Novel N1-substituted 1,3-dihydro-2H-benzimidazol-2-ones as potent non-nucleoside reverse transcriptase inhibitors. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 7429-35	3.4	41
380	Structure modifications of 6-aminoquinolones with potent anti-HIV activity. *Journal of Medicinal Chemistry*, **2004**, 47, 5567-78	8.3	41

379	Identification of Dihydrofuro[3,4- d]pyrimidine Derivatives as Novel HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors with Promising Antiviral Activities and Desirable Physicochemical Properties. *Journal of Medicinal Chemistry*, **2019**, 62, 1484-1501	8.3	41
378	Structural basis for potent and broad inhibition of HIV-1 RT by thiophene[3,2-]pyrimidine non-nucleoside inhibitors. *ELife*, **2018**, 7,	8.9	41
377	Structural modifications of DAPY analogues with potent anti-HIV-1 activity. *ChemMedChem*, **2009**, 4, 219-24	3.7	40
376	Synthesis and anti-HIV activity of new metabolically stable alkenyldiarylmethane non-nucleoside reverse transcriptase inhibitors incorporating N-methoxy imidoyl halide and 1,2,4-oxadiazole systems. *Journal of Medicinal Chemistry*, **2007**, 50, 3314-21	8.3	40
375	Replacement of the metabolically labile methyl esters in the alkenyldiarylmethane series of non-nucleoside reverse transcriptase inhibitors with isoxazolone, isoxazole, oxazolone, or cyano substituents. *Journal of Medicinal Chemistry*, **2006**, 49, 5316-23	8.3	40
374	Synthesis and biological evaluation of piperidine-substituted triazine derivatives as HIV-1 non-nucleoside reverse transcriptase inhibitors. *European Journal of Medicinal Chemistry*, **2012**, 51, 60-6	6.8	38
373	Synthesis and anti-HIV-1 activity evaluation of 5-alkyl-2-alkylthio-6-(arylcarbonyl or alpha-cyanoarylmethyl)-3,4-dihydropyrimidin-4(3H)-ones as novel non-nucleoside HIV-1 reverse transcriptase inhibitors. *Journal of Medicinal Chemistry*, **2007**, 50, 1778-86	8.3	38
372	5-Alkyl-2-[(aryl and alkyloxylcarbonylmethyl)thio]-6-(1-naphthylmethyl) pyrimidin-4(3H)-ones as an unique HIV reverse transcriptase inhibitors of S-DABO series. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 3173-6	2.9	38
371	Synthesis and biological evaluation of pyridazine derivatives as novel HIV-1 NNRTIs. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 2128-34	3.4	37
370	Fused heterocycles bearing bridgehead nitrogen as potent HIV-1 NNRTIs. Part 4: design, synthesis and biological evaluation of novel imidazo[1,2-a]pyrazines. *European Journal of Medicinal Chemistry*, **2015**, 93, 330-7	6.8	37
369	Design, synthesis, and structure-activity relationships of 1,3-dihydrobenzimidazol-2-one analogues as anti-HIV agents. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 5962-7	3.4	37
368	Design and synthesis of N□aryl-benzimidazoles 2-substituted as novel HIV-1 non-nucleoside reverse transcriptase inhibitors. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 1459-67	3.4	36
367	Design, synthesis of new □carboline derivatives and their selective anti-HIV-2 activity. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 1232-5	2.9	36
366	Anti-HIV and antiplasmodial activity of original flavonoid derivatives. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 6012-23	3.4	36
365	Biologically active bisbenzylisoquinoline alkaloids from the root bark of Epinetrum villosum. *Journal of Ethnopharmacology*, **2005**, 102, 89-94	5	36
364	env chimeric virus technology for evaluating human immunodeficiency virus susceptibility to entry inhibitors. *Antimicrobial Agents and Chemotherapy*, **2002**, 46, 3954-62	5.9	36
363	Discovery of 2-pyridone derivatives as potent HIV-1 NNRTIs using molecular hybridization based on crystallographic overlays. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 1863-72	3.4	35
362	Design, synthesis, and SAR of naphthyl-substituted Diarylpyrimidines as non-nucleoside inhibitors of HIV-1 reverse transcriptase. *ChemMedChem*, **2009**, 4, 1537-45	3.7	35

361	Nonnucleoside HIV-1 reverse transcriptase inhibitors: Part I. Synthesis and structure-activity relationship of 1-alkoxymethyl-5-alkyl-6-naphthylmethyl uracils as HEPT analogues. *Chemical and Pharmaceutical Bulletin*, **2003**, 51, 779-89	1.9	35
360	The G-quadruplex-forming aptamer AS1411 potently inhibits HIV-1 attachment to the host cell. *International Journal of Antimicrobial Agents*, **2016**, 47, 311-6	14.3	35
359	Polyanionic (i.e., polysulfonate) dendrimers can inhibit the replication of human immunodeficiency virus by interfering with both virus adsorption and later steps (reverse transcriptase/integrase) in the virus replicative cycle. *Molecular Pharmacology*, **2000**, 58, 1100-8	4.3	35
358	First synthesis and evaluation of the inhibitory effects of aza analogues of TSAO on HIV-1 replication. *Journal of Medicinal Chemistry*, **2005**, 48, 4276-84	8.3	34
357	N-aminoimidazole derivatives inhibiting retroviral replication via a yet unidentified mode of action. *Journal of Medicinal Chemistry*, **2003**, 46, 1546-53	8.3	34
356	Phase I/II dose escalation and randomized withdrawal study with add-on azodicarbonamide in patients failing on current antiretroviral therapy. *Aids*, **2001**, 15, 33-45	3.5	34
355	Structure-based bioisosterism design, synthesis and biological evaluation of novel 1,2,4-triazin-6-ylthioacetamides as potent HIV-1 NNRTIs. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 7155-62	2.9	33
354	Oxovanadium(IV) cyclam and bicyclam complexes: potential CXCR4 receptor antagonists. *Inorganic Chemistry*, **2010**, 49, 1122-32	5.1	33
353	Synthesis and biological evaluation of new heterocyclic quinolinones as anti-parasite and anti-HIV drug candidates. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 5962-4	2.9	33
352	Design, synthesis and anti-HIV activity of novel quinoxaline derivatives. *European Journal of Medicinal Chemistry*, **2016**, 117, 230-40	6.8	33
351	Discovery of biphenyl-substituted diarylpyrimidines as non-nucleoside reverse transcriptase inhibitors with high potency against wild-type and mutant HIV-1. *European Journal of Medicinal Chemistry*, **2018**, 145, 726-734	6.8	32
350	Antimicrobial, anti-TB, anticancer and anti-HIV evaluation of new s-triazine-based heterocycles. *Future Medicinal Chemistry*, **2012**, 4, 1053-65	4.1	32
349	An efficient synthesis of a hydroxyethylamine (HEA) isostere and its □aminophosphonate and phosphoramidate derivatives as potential anti-HIV agents. *ChemMedChem*, **2012**, 7, 1601-11	3.7	32
348	Synthesis, antimycobacterial, antiviral, antimicrobial activities, and QSAR studies of isonicotinic acid-1-(substituted phenyl)-ethylidene/cycloheptylidene hydrazides. *Medicinal Chemistry Research*, **2012**, 21, 1935-1952	2.2	32
347	Novel 1,3-dihydro-benzimidazol-2-ones and their analogues as potent non-nucleoside HIV-1 reverse transcriptase inhibitors. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 1702-10	3.4	32
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