Christophe Pannecouque

List of Publications by Year in Descending Order

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	Discovery of Novel Pyridine-Dimethyl-Phenyl-DAPY Hybrids by Molecular Fusing of Methyl-Pyrimidine-DAPYs and Difluoro-Pyridinyl-DAPYs: Improving the Druggability toward High Inhibitory Activity, Solubility, Safety, and PK.. *Journal of Medicinal Chemistry*, **2022**,	8.3	1
485	Design, synthesis, and mechanistic investigations of phenylalanine derivatives containing a benzothiazole moiety as HIV-1 capsid inhibitors with improved metabolic stability. *European Journal of Medicinal Chemistry*, **2022**, 227, 113903	6.8	1
484	Contemporary Medicinal Chemistry Strategies for the Discovery and Development of Novel HIV-1 Non-nucleoside Reverse Transcriptase Inhibitors.. *Journal of Medicinal Chemistry*, **2022**,	8.3	6
483	Expansion of the SAR N-DABO scaffold to exploit the impact on inhibitory activities against the non-nucleoside HIV-1 reverse transcriptase. *European Journal of Medicinal Chemistry*, **2022**, 114512	6.8	0
482	Chemical space exploration around indolylarylsulfone scaffold led to a novel class of highly active HIV-1 NNRTIs with spiro structural features. *European Journal of Medicinal Chemistry*, **2022**, 238, 114471	6.8	0
481	Structure-Based design of [(2-Hydroxyethoxy)methyl]-6-(phenylthio)-thymine derivatives as nonnucleoside HIV-1 reverse transcriptase Inhibitors: From HEPTs to Sulfinyl-substituted HEPTs. *Bioorganic Chemistry*, **2022**, 126, 105880	5.1	0
480	Indolylarylsulfones bearing phenylboronic acid and phenylboronate ester functionalities as potent HIV-1 non-nucleoside reverse transcriptase inhibitors. *Bioorganic and Medicinal Chemistry*, **2021**, 53, 116531	3.4	2
479	Identification of novel potent HIV-1 inhibitors by exploiting the tolerant regions of the NNRTIs binding pocket. *European Journal of Medicinal Chemistry*, **2021**, 214, 113204	6.8	2
478	2,4,5-Trisubstituted Pyrimidines as Potent HIV-1 NNRTIs: Rational Design, Synthesis, Activity Evaluation, and Crystallographic Studies. *Journal of Medicinal Chemistry*, **2021**, 64, 4239-4256	8.3	11
477	Hydrophobic Pocket Occupation Design of Difluoro-Biphenyl-Diarylpyrimidines as Non-Nucleoside HIV-1 Reverse Transcriptase Inhibitors: from -Alkylation to Methyl Hopping on the Pyrimidine Ring. *Journal of Medicinal Chemistry*, **2021**, 64, 5067-5081	8.3	5
476	Chemical space exploration of novel naphthyl-carboxamide-diarylpyrimidine derivatives with potent anti-HIV-1 activity. *Bioorganic Chemistry*, **2021**, 111, 104905	5.1	1
475	Design, synthesis and anti-HIV evaluation of novel 5-substituted diarylpyrimidine derivatives as potent HIV-1 NNRTIs. *Bioorganic and Medicinal Chemistry*, **2021**, 40, 116195	3.4	2
474	A Novel Series of Indole Alkaloid Derivatives Inhibit Dengue and Zika Virus Infection by Interference with the Viral Replication Complex. *Antimicrobial Agents and Chemotherapy*, **2021**, 65, e0234920	5.9	2
473	Exploiting the hydrophobic channel of the NNIBP: Discovery of novel diarylpyrimidines as HIV-1 NNRTIs against wild-type and K103N mutant viruses. *Bioorganic and Medicinal Chemistry*, **2021**, 42, 116239	3.4	1
472	Design, synthesis, and biological evaluation of piperidinyl-substituted [1,2,4]triazolo[1,5-a]pyrimidine derivatives as potential anti-HIV-1 agents with reduced cytotoxicity. *Chemical Biology and Drug Design*, **2021**, 97, 67-76	2.9	5
471	Structure-based linker optimization of 6-(2-cyclohexyl-1-alkyl)-2-(2-oxo-2-phenylethylsulfanyl)pyrimidin-4(3H)-ones as potent non-nucleoside HIV-1 reverse transcriptase inhibitors. *Chinese Chemical Letters*, **2021**, 32, 1020-1024	8.1	2
470	Novel indolylarylsulfone derivatives as covalent HIV-1 reverse transcriptase inhibitors specifically targeting the drug-resistant mutant Y181C. *Bioorganic and Medicinal Chemistry*, **2021**, 30, 115927	3.4	6

469	Design, synthesis, and evaluation of "dual-site"-binding diarylpyrimidines targeting both NNIBP and the NNRTI adjacent site of the HIV-1 reverse transcriptase. *European Journal of Medicinal Chemistry*, **2021**, 211, 113063	6.8	5
468	Exploiting the tolerant region I of the non-nucleoside reverse transcriptase inhibitor (NNRTI) binding pocket. Part 2: Discovery of diarylpyrimidine derivatives as potent HIV-1 NNRTIs with high Fsp values and favorable drug-like properties. *European Journal of Medicinal Chemistry*, **2021**, 213, 113051	6.8	4
467	Medicinal chemistry strategies for discovering antivirals effective against drug-resistant viruses. *Chemical Society Reviews*, **2021**, 50, 4514-4540	58.5	30
466	Boronic acid-containing diarylpyrimidine derivatives as novel HIV-1 NNRTIs: Design, synthesis and biological evaluation. *Chinese Chemical Letters*, **2021**,	8.1	4
465	Improving Druggability of Novel Diarylpyrimidine NNRTIs by a Fragment-Based Replacement Strategy: From Biphenyl-DAPYs to Heteroaromatic-Biphenyl-DAPYs. *Journal of Medicinal Chemistry*, **2021**, 64, 10297-10311	8.3	6
464	Discovery of Novel Dihydrothiopyrano[4,3-]pyrimidine Derivatives as Potent HIV-1 NNRTIs with Significantly Reduced hERG Inhibitory Activity and Improved Resistance Profiles. *Journal of Medicinal Chemistry*, **2021**, 64, 13658-13675	8.3	2
463	Structure-Based Design and Discovery of Pyridyl-Bearing Fused Bicyclic HIV-1 Inhibitors: Synthesis, Biological Characterization, and Molecular Modeling Studies. *Journal of Medicinal Chemistry*, **2021**, 64, 13604-13621	8.3	1
462	Design, synthesis, and antiviral evaluation of novel piperidine-substituted arylpyrimidines as HIV-1 NNRTIs by exploring the hydrophobic channel of NNIBP. *Bioorganic Chemistry*, **2021**, 116, 105353	5.1	1
461	Discovery, optimization, and target identification of novel coumarin derivatives as HIV-1 reverse transcriptase-associated ribonuclease H inhibitors. *European Journal of Medicinal Chemistry*, **2021**, 225, 113769	6.8	3
460	Design, synthesis, and mechanism study of dimerized phenylalanine derivatives as novel HIV-1 capsid inhibitors. *European Journal of Medicinal Chemistry*, **2021**, 226, 113848	6.8	4
459	Design of the naphthyl-diarylpyrimidines as potent non-nucleoside reverse transcriptase inhibitors (NNRTIs) via structure-based extension into the entrance channel. *European Journal of Medicinal Chemistry*, **2021**, 226, 113868	6.8	5
458	Discovery of potential dual-target prodrugs of HIV-1 reverse transcriptase and nucleocapsid protein 7. *Bioorganic and Medicinal Chemistry Letters*, **2020**, 30, 127287	2.9	
457	1,2,4-Triazolo[1,5-]pyrimidines as a Novel Class of Inhibitors of the HIV-1 Reverse Transcriptase-Associated Ribonuclease H Activity. *Molecules*, **2020**, 25,	4.8	8
456	Inhibition of HIV-1 RT activity by a new series of 3-(1,3,4-thiadiazol-2-yl)thiazolidin-4-one derivatives. *Bioorganic and Medicinal Chemistry*, **2020**, 28, 115431	3.4	6
455	In situ click chemistry-based rapid discovery of novel HIV-1 NNRTIs by exploiting the hydrophobic channel and tolerant regions of NNIBP. *European Journal of Medicinal Chemistry*, **2020**, 193, 112237	6.8	11
454	Design of Biphenyl-Substituted Diarylpyrimidines with a Cyanomethyl Linker as HIV-1 NNRTIs via a Molecular Hybridization Strategy. *Molecules*, **2020**, 25,	4.8	3
453	Bioisosterism-based design and enantiomeric profiling of chiral hydroxyl-substituted biphenyl-diarylpyrimidine nonnucleoside HIV-1 reverse transcriptase inhibitors. *European Journal of Medicinal Chemistry*, **2020**, 202, 112549	6.8	6
452	Structure-Activity Relationship Exploration of NNIBP Tolerant Region I Leads to Potent HIV-1 NNRTIs. *ACS Infectious Diseases*, **2020**, 6, 2225-2234	5.5	8

451	Discovery and Characterization of Fluorine-Substituted Diarylpyrimidine Derivatives as Novel HIV-1 NNRTIs with Highly Improved Resistance Profiles and Low Activity for the hERG Ion Channel. *Journal of Medicinal Chemistry*, **2020**, 63, 1298-1312	8.3	20
450	Privileged scaffold inspired design of novel oxime-biphenyl-DAPYs in treatment of HIV-1. *Bioorganic Chemistry*, **2020**, 99, 103825	5.1	8
449	Scaffold Hopping in Discovery of HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors: From CH(CN)-DABOs to CH(CN)-DAPYs. *Molecules*, **2020**, 25,	4.8	5
448	Structure-Based Bioisosterism Yields HIV-1 NNRTIs with Improved Drug-Resistance Profiles and Favorable Pharmacokinetic Properties. *Journal of Medicinal Chemistry*, **2020**, 63, 4837-4848	8.3	20
447	Pharmacophore-fusing design of pyrimidine sulfonylacetanilides as potent non-nucleoside inhibitors of HIV-1 reverse transcriptase. *Bioorganic Chemistry*, **2020**, 96, 103595	5.1	6
446	Fragment hopping-based discovery of novel sulfinylacetamide-diarylpyrimidines (DAPYs) as HIV-1 nonnucleoside reverse transcriptase inhibitors. *European Journal of Medicinal Chemistry*, **2020**, 185, 111874	6.8	4
445	Indazolyl-substituted piperidin-4-yl-aminopyrimidines as HIV-1 NNRTIs: Design, synthesis and biological activities. *European Journal of Medicinal Chemistry*, **2020**, 186, 111864	6.8	13
444	Improving the positional adaptability: structure-based design of biphenyl-substituted diaryltriazines as novel non-nucleoside HIV-1 reverse transcriptase inhibitors. *Acta Pharmaceutica Sinica B*, **2020**, 10, 344-357	15.5	20
443	Fragment-based discovery of sulfur-containing diarylbenzopyrimidines as novel nonnucleoside reverse transcriptase inhibitors. *Chinese Chemical Letters*, **2020**, 31, 764-768	8.1	16
442	Development of non-nucleoside reverse transcriptase inhibitors (NNRTIs): our past twenty years. *Acta Pharmaceutica Sinica B*, **2020**, 10, 961-978	15.5	32
441	Targeting dual tolerant regions of binding pocket: Discovery of novel morpholine-substituted diarylpyrimidines as potent HIV-1 NNRTIs with significantly improved water solubility. *European Journal of Medicinal Chemistry*, **2020**, 206, 112811	6.8	3
440	Synthesis, In Vitro Anti-HIV Activity, Cytotoxicity, and Computational Studies of Some New Steroids and Their Pyrazoline and Oxime Analogues. *Russian Journal of Bioorganic Chemistry*, **2020**, 46, 822-836	1	1
439	Exploring the hydrophobic channel of NNIBP leads to the discovery of novel piperidine-substituted thiophene[3,2-]pyrimidine derivatives as potent HIV-1 NNRTIs. *Acta Pharmaceutica Sinica B*, **2020**, 10, 878-894	15.5	26
438	Molecular Hybridization-Inspired Optimization of Diarylbenzopyrimidines as HIV-1 Nonnucleoside Reverse Transcriptase Inhibitors with Improved Activity against K103N and E138K Mutants and Pharmacokinetic Profiles. *ACS Infectious Diseases*, **2020**, 6, 787-801	5.5	15
437	Design, Synthesis, and Mechanism Study of Benzenesulfonamide-Containing Phenylalanine Derivatives as Novel HIV-1 Capsid Inhibitors with Improved Antiviral Activities. *Journal of Medicinal Chemistry*, **2020**, 63, 4790-4810	8.3	18
436	Tryptophan Trimers and Tetramers Inhibit Dengue and Zika Virus Replication by Interfering with Viral Attachment Processes. *Antimicrobial Agents and Chemotherapy*, **2020**, 64,	5.9	5
435	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
434	Synthesis and biological evaluation of dihydroquinazoline-2-amines as potent non-nucleoside reverse transcriptase inhibitors of wild-type and mutant HIV-1 strains. *European Journal of Medicinal Chemistry*, **2019**, 176, 11-20	6.8	9

433	Follow on-based optimization of the biphenyl-DAPYs as HIV-1 nonnucleoside reverse transcriptase inhibitors against the wild-type and mutant strains. *Bioorganic Chemistry*, **2019**, 89, 102974	5.1	15
432	Molecular design opportunities presented by solvent-exposed regions of target proteins. *Medicinal Research Reviews*, **2019**, 39, 2194-2238	14.4	16
431	Overview of Recent Strategic Advances in Medicinal Chemistry. *Journal of Medicinal Chemistry*, **2019**, 62, 9375-9414	8.3	53
430	Conformational restriction design of thiophene-biphenyl-DAPY HIV-1 non-nucleoside reverse transcriptase inhibitors. *European Journal of Medicinal Chemistry*, **2019**, 182, 111603	6.8	16
429	Discovery of novel indolylarylsulfones as potent HIV-1 NNRTIs via structure-guided scaffold morphing. *European Journal of Medicinal Chemistry*, **2019**, 182, 111619	6.8	7
428	Design, synthesis and biological evaluation of 3-hydroxyquinazoline-2,4(1H,3H)-diones as dual inhibitors of HIV-1 reverse transcriptase-associated RNase H and integrase. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 3836-3845	3.4	7
427	Discovery of piperidine-substituted thiazolo[5,4-d]pyrimidine derivatives as potent and orally bioavailable HIV-1 non-nucleoside reverse transcriptase inhibitors. *Communications Chemistry*, **2019** , 2,	6.3	15
426	Ligand-Based Design of Nondimethylphenyl-Diarylpyrimidines with Improved Metabolic Stability, Safety, and Oral Pharmacokinetic Profiles. *Journal of Medicinal Chemistry*, **2019**, 62, 11430-11436	8.3	20
425	Polyfluoroaromatic stavudine (d4T) ProTides exhibit enhanced anti-HIV activity. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 126721	2.9	8
424	Synthesis and Biological Activity of N-(arylsulfonyl) Valine Hydrazones and Assistance of NMR Spectroscopy for Definitive 3D Structure. *Letters in Drug Design and Discovery*, **2019**, 16, 974-983	0.8	3
423	Design and Synthesis of WM5 Analogues as HIV-1 TAR RNA Binders. *Open Medicinal Chemistry Journal*, **2019**, 13, 16-28	1.2	1
422	Targeting the hydrophobic channel of NNIBP: discovery of novel 1,2,3-triazole-derived diarylpyrimidines as novel HIV-1 NNRTIs with high potency against wild-type and K103N mutant virus. *Organic and Biomolecular Chemistry*, **2019**, 17, 3202-3217	3.9	28
421	Design, synthesis, and biologic evaluation of novel galloyl derivatives as HIV-1 RNase H inhibitors. *Chemical Biology and Drug Design*, **2019**, 93, 582-589	2.9	8
420	Design, synthesis and biological evaluation of novel acetamide-substituted doravirine and its prodrugs as potent HIV-1 NNRTIs. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 447-456	3.4	12
419	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
418	From cycloheptathiophene-3-carboxamide to oxazinone-based derivatives as allosteric HIV-1 ribonuclease H inhibitors. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2019**, 34, 55-74	5.6	11
417	Discovery of potent HIV-1 non-nucleoside reverse transcriptase inhibitors by exploring the structure-activity relationship of solvent-exposed regions I. *Chemical Biology and Drug Design*, **2019**, 93, 430-437	2.9	8
416	First discovery of a potential carbonate prodrug of NNRTI drug candidate RDEA427 with submicromolar inhibitory activity against HIV-1 K103N/Y181C double mutant strain. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 1348-1351	2.9	8

415	Anti-HIV activity of new higher order G-quadruplex aptamers obtained from tetra-end-linked oligonucleotides. *Organic and Biomolecular Chemistry*, **2018**, 16, 2349-2355	3.9	11
414	Discovery of Novel Diarylpyrimidine Derivatives as Potent HIV-1 NNRTIs Targeting the "NNRTI Adjacent" Binding Site. *ACS Medicinal Chemistry Letters*, **2018**, 9, 334-338	4.3	25
413	Further Exploring Solvent-Exposed Tolerant Regions of Allosteric Binding Pocket for Novel HIV-1 NNRTIs Discovery. *ACS Medicinal Chemistry Letters*, **2018**, 9, 370-375	4.3	21
412	The discovery of novel diarylpyri(mi)dine derivatives with high level activity against a wide variety of HIV-1 strains as well as against HIV-2. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 2051-2060	3.4	7
411	Silibinin phosphodiester glyco-conjugates: Synthesis, redox behaviour and biological investigations. *Bioorganic Chemistry*, **2018**, 77, 349-359	5.1	12
410	Structural optimization of N-aryl-benzimidazoles for the discovery of new non-nucleoside reverse transcriptase inhibitors active against wild-type and mutant HIV-1 strains. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 661-674	3.4	14
409	Discovery of novel diarylpyrimidines as potent HIV-1 NNRTIs by investigating the chemical space of a less explored "hydrophobic channel". *Organic and Biomolecular Chemistry*, **2018**, 16, 1014-1028	3.9	18
408	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
407	New findings on the d(TGGGAG) sequence: Surprising anti-HIV-1 activity. *European Journal of Medicinal Chemistry*, **2018**, 145, 425-430	6.8	10
406	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
405	Design, synthesis, and antiviral evaluation of novel hydrazone-substituted thiophene[3,2-d]pyrimidine derivatives as potent human immunodeficiency virus-1 inhibitors. *Chemical Biology and Drug Design*, **2018**, 92, 2009-2021	2.9	8
404	Graphene Quantum Dots Based Systems As HIV Inhibitors. *Bioconjugate Chemistry*, **2018**, 29, 3084-3093	6.3	73
403	5-Hydroxypyrido[2,3-b]pyrazin-6(5H)-one derivatives as novel dual inhibitors of HIV-1 reverse transcriptase-associated ribonuclease H and integrase. *European Journal of Medicinal Chemistry*, **2018**, 155, 714-724	6.8	21
402	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
401	Design and synthesis of a novel series of non-nucleoside HIV-1 inhibitors bearing pyrimidine and N-substituted aromatic piperazine. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 3491-3495	2.9	9
400	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
399	Discovery of uracil-bearing DAPYs derivatives as novel HIV-1 NNRTIs via crystallographic overlay-based molecular hybridization. *European Journal of Medicinal Chemistry*, **2017**, 130, 209-222	6.8	17
398	Structural modifications of diarylpyrimidines (DAPYs) as HIV-1 NNRTIs: Synthesis, anti-HIV activities and SAR. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 2491-2497	3.4	21

397	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
396	Discovery of novel DAPY-IAS hybrid derivatives as potential HIV-1 inhibitors using molecular hybridization based on crystallographic overlays. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 4397-4406	3.4	16
395	Synthesis and antiviral evaluation of base-modified deoxythreosyl nucleoside phosphonates. *Organic and Biomolecular Chemistry*, **2017**, 15, 5513-5528	3.9	3
394	Searching for novel N-substituted benzimidazol-2-ones as non-nucleoside HIV-1 RT inhibitors. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 3861-3870	3.4	9
393	New chalcones and thiopyrimidine analogues derived from mefenamic acid: microwave-assisted synthesis, anti-HIV activity and cytotoxicity as antileukemic agents. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2017**, 72, 249-256	1	4
392	Design and synthesis of hybrids of diarylpyrimidines and diketo acids as HIV-1 inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 1640-1643	2.9	8
391	Discovery of Thiophene[3,2-]pyrimidine Derivatives as Potent HIV-1 NNRTIs Targeting the Tolerant Region I of NNIBP. *ACS Medicinal Chemistry Letters*, **2017**, 8, 1188-1193	4.3	21
390	Bioactive Natural Products Prioritization Using Massive Multi-informational Molecular Networks. *ACS Chemical Biology*, **2017**, 12, 2644-2651	4.9	81
389	1-Hydroxypyrido[2,3-d]pyrimidin-2(1H)-ones as novel selective HIV integrase inhibitors obtained via privileged substructure-based compound libraries. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 5779-5789	3.4	12
388	Design, synthesis and anti-HIV evaluation of novel diarylpyridine derivatives as potent HIV-1 NNRTIs. *European Journal of Medicinal Chemistry*, **2017**, 140, 383-391	6.8	11
387	Synthesis, crystal structure, anti-HIV, and antiproliferative activity of new pyrazolylthiazole derivatives. *Medicinal Chemistry Research*, **2017**, 26, 2653-2665	2.2	19
386	Discovery of novel piperidine-substituted indolylarylsulfones as potent HIV NNRTIs via structure-guided scaffold morphing and fragment rearrangement. *European Journal of Medicinal Chemistry*, **2017**, 126, 190-201	6.8	15
385	Discovery of Biphenyl-Substituted Diarylpyrimidines as New Non-Nucleoside HIV-1 Reverse Transcripttase Inhibitors. *Proceedings (mdpi)*, **2017**, 1, 220	0.3	
384	Application of the Triazolization Reaction to Afford Dihydroartemisinin Derivatives with Anti-HIV Activity. *Molecules*, **2017**, 22,	4.8	28
383	Chelation Motifs Affecting Metal-dependent Viral Enzymes: -acylhydrazone Ligands as Dual Target Inhibitors of HIV-1 Integrase and Reverse Transcriptase Ribonuclease H Domain. *Frontiers in Microbiology*, **2017**, 8, 440	5.7	21
382	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
381	Amino acid derivatives. Part 6. Synthesis, in vitro antiviral activity and molecular docking study of new N-□amino acid derivatives conjugated spacer phthalimide backbone. *Medicinal Chemistry Research*, **2016**, 25, 2578-2588	2.2	5
380	Design, Synthesis, and Molecular Docking Studies of a Conjugated Thiadiazole-Thiourea Scaffold as Antituberculosis Agents. *Biological and Pharmaceutical Bulletin*, **2016**, 39, 502-15	2.3	24

379	Arylazolyl(azinyl)thioacetanilides: Part 19: Discovery of Novel Substituted Imidazo[4,5-b]pyridin-2-ylthioacetanilides as Potent HIV NNRTIs Via a Structure-based Bioisosterism Approach. *Chemical Biology and Drug Design*, **2016**, 88, 241-53	2.9	7
378	Amidate Prodrugs of Deoxythreosyl Nucleoside Phosphonates as Dual Inhibitors of HIV and HBV Replication. *Journal of Medicinal Chemistry*, **2016**, 59, 9513-9531	8.3	21
377	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
376	Modification of the length and structure of the linker of N(6)-benzyladenosine modulates its selective antiviral activity against enterovirus 71. *European Journal of Medicinal Chemistry*, **2016**, 111, 84-94	6.8	19
375	Design, synthesis and evaluation of novel HIV-1 NNRTIs with dual structural conformations targeting the entrance channel of the NNRTI binding pocket. *European Journal of Medicinal Chemistry*, **2016**, 115, 53-62	6.8	16
374	Design, synthesis and anti-HIV evaluation of novel diarylpyridine derivatives targeting the entrance channel of NNRTI binding pocket. *European Journal of Medicinal Chemistry*, **2016**, 109, 294-304	6.8	26
373	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
372	Anti-HIV Drug Discovery and Development: Current Innovations and Future Trends. *Journal of Medicinal Chemistry*, **2016**, 59, 2849-78	8.3	199
371	The Cellular Thioredoxin-1/Thioredoxin Reductase-1 Driven Oxidoreduction Represents a Chemotherapeutic Target for HIV-1 Entry Inhibition. *PLoS ONE*, **2016**, 11, e0147773	3.7	5
370	Structural Modifications of Diarylpyrimidine-quinolone Hybrids as Potent HIV-1 NNRTIs with an Improved Drug Resistance Profile. *Current Pharmaceutical Design*, **2016**, 22, 6982-6987	3.3	5
369	Synthesis, and prediction of molecular properties and antimicrobial activity of some acylhydrazones derived from N-(arylsulfonyl)methionine. *Turkish Journal of Chemistry*, **2016**, 40, 510-534	1	13
368	Design, Synthesis, and Biological Evaluation of Novel 2-(Pyridin-3-yloxy)acetamide Derivatives as Potential Anti-HIV-1 Agents. *Chemical Biology and Drug Design*, **2016**, 87, 283-9	2.9	6
367	Design, synthesis, and biological evaluation of novel 5-Alkyl-6-Adamantylmethylpyrimidin-4(3H)-ones as HIV-1 non-nucleoside reverse-transcriptase inhibitors. *Chemical Biology and Drug Design*, **2016**, 88, 380-5	2.9	2
366	Studies on Cycloheptathiophene-3-carboxamide Derivatives as Allosteric HIV-1 Ribonuclease H Inhibitors. *ChemMedChem*, **2016**, 11, 1709-20	3.7	11
365	1,6-Bis[(benzyloxy)methyl]uracil derivatives-Novel antivirals with activity against HIV-1 and influenza H1N1 virus. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 2476-85	3.4	5
364	Structural optimization of pyridine-type DAPY derivatives to exploit the tolerant regions of the NNRTI binding pocket. *European Journal of Medicinal Chemistry*, **2016**, 121, 352-363	6.8	20
363	Systematic evaluation of methyl ester bioisosteres in the context of developing alkenyldiarylmethanes (ADAMs) as non-nucleoside reverse transcriptase inhibitors (NNRTIs) for anti-HIV-1 chemotherapy. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 3006-3022	3.4	6
362	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

361	Design, synthesis and anti-HIV activity of novel quinoxaline derivatives. *European Journal of Medicinal Chemistry*, **2016**, 117, 230-40	6.8	33
360	Synthesis, crystal structure, anti-HIV, and antiproliferative activity of new oxadiazole and thiazole analogs. *Medicinal Chemistry Research*, **2016**, 25, 2399-2409	2.2	26
359	Arylazolyl(azinyl)thioacetanilides. Part 20: Discovery of novel purinylthioacetanilides derivatives as potent HIV-1 NNRTIs via a structure-based bioisosterism approach. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 4424-4433	3.4	7
358	Hybrid chemistry. Part 4: Discovery of etravirine-VRX-480773 hybrids as potent HIV-1 non-nucleoside reverse transcriptase inhibitors. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 4248-4255	3.4	21
357	Anti-HIV diarylpyrimidine-quinolone hybrids and their mode of action. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 3860-8	3.4	17
356	Antiviral Activity of Diterpene Esters on Chikungunya Virus and HIV Replication. *Journal of Natural Products*, **2015**, 78, 1277-83	4.9	49
355	Discovery of piperidin-4-yl-aminopyrimidine derivatives as potent non-nucleoside HIV-1 reverse transcriptase inhibitors. *European Journal of Medicinal Chemistry*, **2015**, 97, 1-9	6.8	19
354	Antiviral Activity of Flexibilane and Tigliane Diterpenoids from Stillingia lineata. *Journal of Natural Products*, **2015**, 78, 1119-28	4.9	26
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1	Cryo-EM structures of Doravirine and Rilpivirine with HIV-1 Reverse Transcriptase/DNA Aptamer Nonnucleoside Inhibitor Resistance by E138K and M184I Mutations	1