

Xinyong Liu

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98

papers

2,753

citations

28

h-index

48

g-index

106

ext. papers

3,536

ext. citations

6.9

avg, IF

5.42

L-index

#	Paper	IF	Citations
98	Anti-HIV Drug Discovery and Development: Current Innovations and Future Trends. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 2849-78	8.3	199
97	HIV-1 NNRTIs: structural diversity, pharmacophore similarity, and implications for drug design. <i>Medicinal Research Reviews</i> , 2013 , 33 Suppl 1, E1-72	14.4	147
96	Inhibitors of SARS-CoV-2 Entry: Current and Future Opportunities. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 12256-12274	8.3	111
95	Strategies for the design of HIV-1 non-nucleoside reverse transcriptase inhibitors: lessons from the development of seven representative paradigms. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 3595-613	8.3	107
94	Conformational restriction: an effective tactic in Follow-onBased drug discovery. <i>Future Medicinal Chemistry</i> , 2014 , 6, 885-901	4.1	104
93	Discovery of bioactive molecules from CuAAC click-chemistry-based combinatorial libraries. <i>Drug Discovery Today</i> , 2016 , 21, 118-132	8.8	101
92	Recent advances in DAPYs and related analogues as HIV-1 NNRTIs. <i>Current Medicinal Chemistry</i> , 2011 , 18, 359-76	4.3	86
91	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. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 7991-8007	8.3	84
90	Design strategies of novel NNRTIs to overcome drug resistance. <i>Current Medicinal Chemistry</i> , 2009 , 16, 3903-17	4.3	83
89	The Journey of HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors (NNRTIs) from Lab to Clinic. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 4851-4883	8.3	74
88	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. <i>European Journal of Medicinal Chemistry</i> , 2015 , 92, 754-65	6.8	69
87	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. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 4424-4443	8.3	65
86	Designed multiple ligands: an emerging anti-HIV drug discovery paradigm. <i>Current Pharmaceutical Design</i> , 2009 , 15, 1893-917	3.3	57
85	Overview of Recent Strategic Advances in Medicinal Chemistry. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 9375-9414	8.3	53
84	Fsp: A new parameter for drug-likeness. <i>Drug Discovery Today</i> , 2020 , 25, 1839-1845	8.8	52
83	Discovery of N-substituted oseltamivir derivatives as potent and selective inhibitors of H5N1 influenza neuraminidase. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 8445-58	8.3	50
82	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. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 2083-2096	8.3	47

81	New techniques and strategies in drug discovery. <i>Chinese Chemical Letters</i> , 2020 , 31, 1695-1708	8.1	45
80	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. <i>European Journal of Medicinal Chemistry</i> , 2018 , 151, 339-350	6.8	44
79	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. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 1484-1501	8.3	41
78	Structural basis for potent and broad inhibition of HIV-1 RT by thiophene[3,2-]pyrimidine non-nucleoside inhibitors. <i>ELife</i> , 2018 , 7,	8.9	41
77	Design, synthesis and structure-activity relationships of 4-phenyl-1H-1,2,3-triazole phenylalanine derivatives as novel HIV-1 capsid inhibitors with promising antiviral activities. <i>European Journal of Medicinal Chemistry</i> , 2020 , 190, 112085	6.8	37
76	Fused heterocycles bearing bridgehead nitrogen as potent HIV-1 NNRTIs. Part 4: design, synthesis and biological evaluation of novel imidazo[1,2-a]pyrazines. <i>European Journal of Medicinal Chemistry</i> , 2015 , 93, 330-7	6.8	37
75	Discovery of phenylalanine derivatives as potent HIV-1 capsid inhibitors from click chemistry-based compound library. <i>European Journal of Medicinal Chemistry</i> , 2018 , 158, 478-492	6.8	36
74	Optimization of N-Substituted Oseltamivir Derivatives as Potent Inhibitors of Group-1 and -2 Influenza A Neuraminidases, Including a Drug-Resistant Variant. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 6379-6397	8.3	32
73	Recent progress in the research of small molecule HIV-1 RNase H inhibitors. <i>Current Medicinal Chemistry</i> , 2014 , 21, 1956-67	4.3	30
72	Update on Recent Developments in Small Molecular HIV-1 RNase H Inhibitors (2013-2016): Opportunities and Challenges. <i>Current Medicinal Chemistry</i> , 2018 , 25, 1682-1702	4.3	30
71	Medicinal chemistry strategies for discovering antivirals effective against drug-resistant viruses. <i>Chemical Society Reviews</i> , 2021 , 50, 4514-4540	58.5	30
70	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. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 3202-3217	3.9	28
69	Recent developments in the medicinal chemistry of single boron atom-containing compounds. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 3035-3059	15.5	28
68	Discovery of novel anti-HIV agents via Cu(I)-catalyzed azide-alkyne cycloaddition (CuAAC) click chemistry-based approach. <i>Expert Opinion on Drug Discovery</i> , 2016 , 11, 857-71	6.2	26
67	Exploring the hydrophobic channel of NNIBP leads to the discovery of novel piperidine-substituted thiophene[3,2-]pyrimidine derivatives as potent HIV-1 NNRTIs. <i>Acta Pharmaceutica Sinica B</i> , 2020 , 10, 878-894	15.5	26
66	Discovery of Novel Diarylpyrimidine Derivatives as Potent HIV-1 NNRTIs Targeting the "NNRTI Adjacent" Binding Site. <i>ACS Medicinal Chemistry Letters</i> , 2018 , 9, 334-338	4.3	25
65	"Old Dogs with New Tricks": exploiting alternative mechanisms of action and new drug design strategies for clinically validated HIV targets. <i>Molecular BioSystems</i> , 2014 , 10, 1998-2022		24
64	Discovery of novel 1,4-disubstituted 1,2,3-triazole phenylalanine derivatives as HIV-1 capsid inhibitors. <i>RSC Advances</i> , 2019 , 9, 28961-28986	3.7	24

63	Contemporary medicinal-chemistry strategies for the discovery of selective butyrylcholinesterase inhibitors. <i>Drug Discovery Today</i> , 2019 , 24, 629-635	8.8	24
62	Structure-Based Optimization of N-Substituted Oseltamivir Derivatives as Potent Anti-Influenza A Virus Agents with Significantly Improved Potency against Oseltamivir-Resistant N1-H274Y Variant. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 9976-9999	8.3	24
61	Discovery of Thiophene[3,2-]pyrimidine Derivatives as Potent HIV-1 NNRTIs Targeting the Tolerant Region I of NNIBP. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 1188-1193	4.3	21
60	Further Exploring Solvent-Exposed Tolerant Regions of Allosteric Binding Pocket for Novel HIV-1 NNRTIs Discovery. <i>ACS Medicinal Chemistry Letters</i> , 2018 , 9, 370-375	4.3	21
59	Discovery of C-1 modified oseltamivir derivatives as potent influenza neuraminidase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2018 , 146, 220-231	6.8	21
58	5-Hydroxypyrido[2,3-b]pyrazin-6(5H)-one derivatives as novel dual inhibitors of HIV-1 reverse transcriptase-associated ribonuclease H and integrase. <i>European Journal of Medicinal Chemistry</i> , 2018 , 155, 714-724	6.8	21
57	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. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 1298-1312	8.3	20
56	Structure-Based Bioisosterism Yields HIV-1 NNRTIs with Improved Drug-Resistance Profiles and Favorable Pharmacokinetic Properties. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 4837-4848	8.3	20
55	Novel urate transporter 1 (URAT1) inhibitors: a review of recent patent literature (2016-2019). <i>Expert Opinion on Therapeutic Patents</i> , 2019 , 29, 871-879	6.8	20
54	Multivalent Agents: A Novel Concept and Preliminary Practice in Anti-HIV Drug Discovery. <i>Current Medicinal Chemistry</i> , 2013 , 20, 815-832	4.3	20
53	Structural optimization of pyridine-type DAPY derivatives to exploit the tolerant regions of the NNRTI binding pocket. <i>European Journal of Medicinal Chemistry</i> , 2016 , 121, 352-363	6.8	20
52	Novel diarylpyrimidines and diaryltriazines as potent HIV-1 NNRTIs with dramatically improved solubility: a patent evaluation of US20140378443A1. <i>Expert Opinion on Therapeutic Patents</i> , 2016 , 26, 281-9	6.8	19
51	Design, synthesis and biological evaluation of "Multi-Site"-binding influenza virus neuraminidase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019 , 178, 64-80	6.8	18
50	Discovery of novel diarylpyrimidines as potent HIV-1 NNRTIs by investigating the chemical space of a less explored "hydrophobic channel". <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 1014-1028	3.9	18
49	Design, Synthesis, and Mechanism Study of Benzenesulfonamide-Containing Phenylalanine Derivatives as Novel HIV-1 Capsid Inhibitors with Improved Antiviral Activities. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 4790-4810	8.3	18
48	Discovery of uracil-bearing DAPYs derivatives as novel HIV-1 NNRTIs via crystallographic overlay-based molecular hybridization. <i>European Journal of Medicinal Chemistry</i> , 2017 , 130, 209-222	6.8	17
47	Novel fused pyrimidine and isoquinoline derivatives as potent HIV-1 NNRTIs: a patent evaluation of WO2016105532A1, WO2016105534A1 and WO2016105564A1. <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 383-391	6.8	16
46	Discovery of novel DAPY-IAS hybrid derivatives as potential HIV-1 inhibitors using molecular hybridization based on crystallographic overlays. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 4397-4408	3.4	16

45	Molecular design opportunities presented by solvent-exposed regions of target proteins. <i>Medicinal Research Reviews</i> , 2019 , 39, 2194-2238	14.4	16
44	Design, synthesis and evaluation of novel HIV-1 NNRTIs with dual structural conformations targeting the entrance channel of the NNRTI binding pocket. <i>European Journal of Medicinal Chemistry</i> , 2016 , 115, 53-62	6.8	16
43	Recent advances in the research of HIV-1 RNase H inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2008 , 8, 1243-51	3.2	16
42	Discovery of piperidine-substituted thiazolo[5,4-d]pyrimidine derivatives as potent and orally bioavailable HIV-1 non-nucleoside reverse transcriptase inhibitors. <i>Communications Chemistry</i> , 2019 , 2, 1-10	6.3	15
41	Efficient drug discovery by rational lead hybridization based on crystallographic overlay. <i>Drug Discovery Today</i> , 2019 , 24, 805-813	8.8	15
40	Targeting the entry step of SARS-CoV-2: a promising therapeutic approach. <i>Signal Transduction and Targeted Therapy</i> , 2020 , 5, 98	21	13
39	1-Hydroxypyrido[2,3-d]pyrimidin-2(1H)-ones as novel selective HIV integrase inhibitors obtained via privileged substructure-based compound libraries. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 5779-5789	3.4	12
38	Arylazolyl(azinyl)thioacetanilides. Part 10: design, synthesis and biological evaluation of novel substituted imidazopyridinylthioacetanilides as potent HIV-1 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 5527-36	3.4	12
37	Discovery of novel 1,2,3-triazole oseltamivir derivatives as potent influenza neuraminidase inhibitors targeting the 430-cavity. <i>European Journal of Medicinal Chemistry</i> , 2020 , 187, 111940	6.8	12
36	Design, synthesis and biological evaluation of novel acetamide-substituted doravirine and its prodrugs as potent HIV-1 NNRTIs. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 447-456	3.4	12
35	In situ click chemistry-based rapid discovery of novel HIV-1 NNRTIs by exploiting the hydrophobic channel and tolerant regions of NNIBP. <i>European Journal of Medicinal Chemistry</i> , 2020 , 193, 112237	6.8	11
34	2,4,5-Trisubstituted Pyrimidines as Potent HIV-1 NNRTIs: Rational Design, Synthesis, Activity Evaluation, and Crystallographic Studies. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 4239-4256	8.3	11
33	Arylazolyl(azinyl)thioacetanilides. Part 16: Structure-based bioisosterism design, synthesis and biological evaluation of novel pyrimidinylthioacetanilides as potent HIV-1 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 5290-7	3.4	9
32	Structure-Activity Relationship Exploration of NNIBP Tolerant Region I Leads to Potent HIV-1 NNRTIs. <i>ACS Infectious Diseases</i> , 2020 , 6, 2225-2234	5.5	8
31	First discovery of a potential carbonate prodrug of NNRTI drug candidate RDEA427 with submicromolar inhibitory activity against HIV-1 K103N/Y181C double mutant strain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018 , 28, 1348-1351	2.9	8
30	Design, synthesis, and antiviral evaluation of novel hydrazone-substituted thiophene[3,2-d]pyrimidine derivatives as potent human immunodeficiency virus-1 inhibitors. <i>Chemical Biology and Drug Design</i> , 2018 , 92, 2009-2021	2.9	8
29	The development of an effective synthetic route of lesinurad (RDEA594). <i>Chemistry Central Journal</i> , 2017 , 11, 86		8
28	Novel Human Urate Transporter 1 Inhibitors as Hypouricemic Drug Candidates with Favorable Druggability. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 10829-10854	8.3	8

27	Design, synthesis, and biologic evaluation of novel galloyl derivatives as HIV-1 RNase H inhibitors. <i>Chemical Biology and Drug Design</i> , 2019 , 93, 582-589	2.9	8
26	Discovery of potent HIV-1 non-nucleoside reverse transcriptase inhibitors by exploring the structure-activity relationship of solvent-exposed regions I. <i>Chemical Biology and Drug Design</i> , 2019 , 93, 430-437	2.9	8
25	Discovery of novel indolylarylsulfones as potent HIV-1 NNRTIs via structure-guided scaffold morphing. <i>European Journal of Medicinal Chemistry</i> , 2019 , 182, 111619	6.8	7
24	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. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 3836-3845	3.4	7
23	Arylazolyl(azinyl)thioacetanilides. Part 20: Discovery of novel purinylthioacetanilides derivatives as potent HIV-1 NNRTIs via a structure-based bioisosterism approach. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 4424-4433	3.4	7
22	An insight on medicinal aspects of novel HIV-1 capsid protein inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021 , 217, 113380	6.8	6
21	Contemporary Medicinal Chemistry Strategies for the Discovery and Development of Novel HIV-1 Non-nucleoside Reverse Transcriptase Inhibitors.. <i>Journal of Medicinal Chemistry</i> , 2022 ,	8.3	6
20	Discovery of novel anti-influenza agents via contemporary medicinal chemistry strategies (2014-2018 update). <i>Future Medicinal Chemistry</i> , 2019 , 11, 375-378	4.1	5
19	Novel diaryltriazines with a picolinonitrile moiety as potent HIV-1 RT inhibitors: a patent evaluation of WO2016059647(A2). <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 9-15	6.8	5
18	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. <i>Chemical Biology and Drug Design</i> , 2021 , 97, 67-76	2.9	5
17	Design, synthesis, and evaluation of "dual-site"-binding diarylpyrimidines targeting both NNIBP and the NNRTI adjacent site of the HIV-1 reverse transcriptase. <i>European Journal of Medicinal Chemistry</i> , 2021 , 211, 113063	6.8	5
16	Medicinal chemistry strategies towards the development of effective SARS-CoV-2 inhibitors. <i>Acta Pharmaceutica Sinica B</i> , 2021 ,	15.5	5
15	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. <i>European Journal of Medicinal Chemistry</i> , 2021 , 213, 113051	6.8	4
14	Boronic acid-containing diarylpyrimidine derivatives as novel HIV-1 NNRTIs: Design, synthesis and biological evaluation. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	4
13	Design, synthesis, and mechanism study of dimerized phenylalanine derivatives as novel HIV-1 capsid inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021 , 226, 113848	6.8	4
12	An improved synthesis approach of the HIV-1 inhibitor RDEA427, a pyrrolo[2,3-d]pyrimidine derivative. <i>Arkivoc</i> , 2017 , 2016, 45-51	0.9	3
11	Targeting dual tolerant regions of binding pocket: Discovery of novel morpholine-substituted diarylpyrimidines as potent HIV-1 NNRTIs with significantly improved water solubility. <i>European Journal of Medicinal Chemistry</i> , 2020 , 206, 112811	6.8	3
10	Discovery of highly potent and selective influenza virus neuraminidase inhibitors targeting 150-cavity. <i>European Journal of Medicinal Chemistry</i> , 2021 , 212, 113097	6.8	3

9	Discovery, optimization, and target identification of novel coumarin derivatives as HIV-1 reverse transcriptase-associated ribonuclease H inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021 , 225, 113769	6.8	3
8	Identification of novel potent HIV-1 inhibitors by exploiting the tolerant regions of the NNRTIs binding pocket. <i>European Journal of Medicinal Chemistry</i> , 2021 , 214, 113204	6.8	2
7	Discovery of Novel Dihydrothiopyrano[4,3-]pyrimidine Derivatives as Potent HIV-1 NNRTIs with Significantly Reduced hERG Inhibitory Activity and Improved Resistance Profiles. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 13658-13675	8.3	2
6	Design, synthesis, and mechanistic investigations of phenylalanine derivatives containing a benzothiazole moiety as HIV-1 capsid inhibitors with improved metabolic stability. <i>European Journal of Medicinal Chemistry</i> , 2022 , 227, 113903	6.8	1
5	SARS-CoV-2 Entry inhibitors targeting virus-ACE2 or virus-TMPRSS2 interactions. <i>Current Medicinal Chemistry</i> , 2021 ,	4.3	1
4	Structure-Based Design and Discovery of Pyridyl-Bearing Fused Bicyclic HIV-1 Inhibitors: Synthesis, Biological Characterization, and Molecular Modeling Studies. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 13604-13621	8.3	1
3	Design, synthesis, and antiviral activity of phenylalanine derivatives as HIV-1 capsid inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2021 , 48, 116414	3.4	0
2	Novel RNase H inhibitors blocking RNA-directed strand displacement DNA synthesis by HIV-1 reverse transcriptase.. <i>Journal of Molecular Biology</i> , 2022 , 167507	6.5	0
1	Discovery of potential dual-target prodrugs of HIV-1 reverse transcriptase and nucleocapsid protein 7. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127287	2.9	