Jayakanth Kankanala

List of Publications by Year
in descending order

31	708	586496 16	651938 25
papers	citations	h-index	g-index

35	35	35	984
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Discovery of N-benzyl hydroxypyridone carboxamides as a novel and potent antiviral chemotype against human cytomegalovirus (HCMV). Acta Pharmaceutica Sinica B, 2021, , .	5.7	5
2	Novel deazaflavin tyrosyl-DNA phosphodiesterase 2 (TDP2) inhibitors. DNA Repair, 2020, 85, 102747.	1.3	15
3	Novel HIV-1 capsid-targeting small molecules of the PF74 binding site. European Journal of Medicinal Chemistry, 2020, 204, 112626.	2.6	14
4	Site-directed M2 proton channel inhibitors enable synergistic combination therapy for rimantadine-resistant pandemic influenza. PLoS Pathogens, 2020, 16, e1008716.	2.1	9
5	Toward Structurally Novel and Metabolically Stable HIV-1 Capsid-Targeting Small Molecules. Viruses, 2020, 12, 452.	1.5	20
6	Rationally derived inhibitors of hepatitis C virus (HCV) p7 channel activity reveal prospect for bimodal antiviral therapy. ELife, 2020, 9, .	2.8	4
7	Title is missing!. , 2020, 16, e1008716.		0
8	Title is missing!. , 2020, 16, e1008716.		0
9	Title is missing!. , 2020, 16, e1008716.		0
10	Title is missing!. , 2020, 16, e1008716.		0
11	Title is missing!. , 2020, 16, e1008716.		0
12	Title is missing!. , 2020, 16, e1008716.		0
13	Novel Deazaflavin Analogues Potently Inhibited Tyrosyl DNA Phosphodiesterase 2 (TDP2) and Strongly Sensitized Cancer Cells toward Treatment with Topoisomerase II (TOP2) Poison Etoposide. Journal of Medicinal Chemistry, 2019, 62, 4669-4682.	2.9	13
14	Pharmacophore-based design of novel 3-hydroxypyrimidine-2,4-dione subtypes as inhibitors of HIV reverse transcriptase-associated RNase H: Tolerance of a nonflexible linker. European Journal of Medicinal Chemistry, 2019, 166, 390-399.	2.6	22
15	5-Aminothiophene-2,4-dicarboxamide analogues as hepatitis B virus capsid assembly effectors. European Journal of Medicinal Chemistry, 2019, 164, 179-192.	2.6	17
16	Triazolopyrimidine and triazolopyridine scaffolds as TDP2 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 257-261.	1.0	20
17	New fluorescence-based high-throughput screening assay for small molecule inhibitors of tyrosyl-DNA phosphodiesterase 2 (TDP2). European Journal of Pharmaceutical Sciences, 2018, 118, 67-79.	1.9	14
18	Hydroxypyridonecarboxylic Acids as Inhibitors of Human Cytomegalovirus pUL89 Endonuclease. ChemMedChem, 2018, 13, 1658-1663.	1.6	17

#	Article	IF	Citations
19	6-Biphenylmethyl-3-hydroxypyrimidine-2,4-diones potently and selectively inhibited HIV reverse transcriptase-associated RNase H. European Journal of Medicinal Chemistry, 2018, 156, 680-691.	2.6	28
20	6-Arylthio-3-hydroxypyrimidine-2,4-diones potently inhibited HIV reverse transcriptase-associated RNase H with antiviral activity. European Journal of Medicinal Chemistry, 2018, 156, 652-665.	2.6	27
21	Double-Winged 3-Hydroxypyrimidine-2,4-diones: Potent and Selective Inhibition against HIV-1 RNase H with Significant Antiviral Activity. Journal of Medicinal Chemistry, 2017, 60, 5045-5056.	2.9	38
22	Design, synthesis and biological evaluations of N-Hydroxy thienopyrimidine-2,4-diones as inhibitors of HIV reverse transcriptase-associated RNase H. European Journal of Medicinal Chemistry, 2017, 141, 149-161.	2.6	36
23	Inhibition of Human Cytomegalovirus pUL89 Terminase Subunit Blocks Virus Replication and Genome Cleavage. Journal of Virology, 2017, 91, .	1.5	23
24	Design, Synthesis, and Biological Evaluations of Hydroxypyridonecarboxylic Acids as Inhibitors of HIV Reverse Transcriptase Associated RNase H. Journal of Medicinal Chemistry, 2016, 59, 5051-5062.	2.9	54
25	Deazaflavin Inhibitors of Tyrosyl-DNA Phosphodiesterase 2 (TDP2) Specific for the Human Enzyme and Active against Cellular TDP2. ACS Chemical Biology, 2016, 11, 1925-1933.	1.6	32
26	3-Hydroxypyrimidine-2,4-dione-5-N-benzylcarboxamides Potently Inhibit HIV-1 Integrase and RNase H. Journal of Medicinal Chemistry, 2016, 59, 6136-6148.	2.9	40
27	Isoquinoline-1,3-diones as Selective Inhibitors of Tyrosyl DNA Phosphodiesterase II (TDP2). Journal of Medicinal Chemistry, 2016, 59, 2734-2746.	2.9	52
28	Design, Synthesis, Biochemical, and Antiviral Evaluations of C6 Benzyl and C6 Biarylmethyl Substituted 2-Hydroxylisoquinoline-1,3-diones: Dual Inhibition against HIV Reverse Transcriptase-Associated RNase H and Polymerase with Antiviral Activities. Journal of Medicinal Chemistry, 2015, 58, 651-664.	2.9	112
29	In Silico Design and Biological Evaluation of a Dual Specificity Kinase Inhibitor Targeting Cell Cycle Progression and Angiogenesis. PLoS ONE, 2014, 9, e110997.	1.1	12
30	Structureâ€guided design affirms inhibitors of hepatitis C virus p7 as a viable class of antivirals targeting virion release. Hepatology, 2014, 59, 408-422.	3.6	56
31	Bimetallic (Cu/Pd) catalytic cascade reactions to 3,3-disubstituted oxindole analogues. RSC Advances, 2014, 4, 3457-3460.	1.7	27