Prasanth Reddy Nyalapatla

List of Publications by Year
in descending order

18 papers	520 citations	840776 11 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	851 citing authors

#	Article	IF	Citations
1	Fluorescent Probes for Monitoring Serine Ubiquitination. Biochemistry, 2020, 59, 1309-1313.	2.5	6
2	Single atom changes in newly synthesized HIV protease inhibitors reveal structural basis for extreme affinity, high genetic barrier, and adaptation to the HIV protease plasticity. Scientific Reports, 2020, 10, 10664.	3.3	13
3	Co(II)â€salen catalyzed stereoselective cyclopropanation of fluorinated styrenes. Chirality, 2019, 31, 1014-1027.	2.6	4
4	Halogen Bond Interactions of Novel HIV-1 Protease Inhibitors (PI) (GRL-001-15 and GRL-003-15) with the Flap of Protease Are Critical for Their Potent Activity against Wild-Type HIV-1 and Multi-PI-Resistant Variants. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	12
5	A New Synthesis of Gefitinib. Synlett, 2019, 30, 471-476.	1.8	6
6	Design of Highly Potent, Dualâ€Acting and Centralâ€Nervousâ€Systemâ€Penetrating HIVâ€1 Protease Inhibitors with Excellent Potency against Multidrugâ€Resistant HIVâ€1 Variants. ChemMedChem, 2018, 13, 803-815.	3.2	36
7	Design and Synthesis of Highly Potent HIV-1 Protease Inhibitors Containing Tricyclic Fused Ring Systems as Novel P2 Ligands: Structureâ€“Activity Studies, Biological and X-ray Structural Analysis. Journal of Medicinal Chemistry, 2018, 61, 4561-4577.	6.4	31
8	Total syntheses of both enantiomers of amphirionin 4: A chemoenzymatic based strategy for functionalized tetrahydrofurans. Tetrahedron, 2017, 73, 1820-1830.	1.9	10
9	Design of novel HIV-1 protease inhibitors incorporating isophthalamide-derived P2-P3 ligands: Synthesis, biological evaluation and X-ray structural studies of inhibitor-HIV-1 protease complex. Bioorganic and Medicinal Chemistry, 2017, 25, 5114-5127.	3.0	16
10	Design and Development of Highly Potent HIV-1 Protease Inhibitors with a Crown-Like Oxotricyclic Core as the P2-Ligand To Combat Multidrug-Resistant HIV Variants. Journal of Medicinal Chemistry, 2017, 60, 4267-4278.	6.4	64
11	A novel central nervous system-penetrating protease inhibitor overcomes human immunodeficiency virus 1 resistance with unprecedented aM to pM potency. ELife, 2017, 6, .	6.0	44
12	Enantioselective Total Synthesis of (+)-Amphirionin-4. Organic Letters, 2016, 18, 2296-2299.	4.6	16
13	A Novel Tricyclic Ligand-Containing Nonpeptidic HIV-1 Protease Inhibitor, GRL-0739, Effectively Inhibits the Replication of Multidrug-Resistant HIV-1 Variants and Has a Desirable Central Nervous System Penetration Property In Vitro. Antimicrobial Agents and Chemotherapy, 2015, 59, 2625-2635.	3.2	10
14	Ligand-induced Dimerization of Middle East Respiratory Syndrome (MERS) Coronavirus nsp5 Protease (3CLpro). Journal of Biological Chemistry, 2015, 290, 19403-19422.	3.4	134
15	X-ray structure and inhibition of the feline infectious peritonitis virus 3C-like protease: Structural implications for drug design. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5072-5077.	2.2	19
16	Design, synthesis, biological evaluation and X-ray structural studies of HIV-1 protease inhibitors containing substituted fused-tetrahydropyranyl tetrahydrofuran as P2-ligands. Organic and Biomolecular Chemistry, 2015, 13, 11607-11621.	2.8	10
17	Highly Potent HIV-1 Protease Inhibitors with Novel Tricyclic P2 Ligands: Design, Synthesis, and Proteinâ€“Ligand X-ray Studies. Journal of Medicinal Chemistry, 2013, 56, 6792-6802.	6.4	42
18	Zinc Catalyzed and Mediated Asymmetric Propargylation of Trifluoromethyl Ketones with a Propargyl Boronate. Journal of Organic Chemistry, 2013, 78, 3592-3615.	3.2	47