Gyanendra Kumar

List of Publications by Year
in descending order

32	1,236	331670 21	414414 32
papers	citations	h-index	g-index

34	34	34	1997
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural insights into the substrate specificity of the endonuclease activity of the influenza virus cap-snatching mechanism. Nucleic Acids Research, 2021, 49, 1609-1618.	14.5	13
2	Structureâ€“Activity Relationship Study of Novel 6-Aryl-2-benzoyl-pyridines as Tubulin Polymerization Inhibitors with Potent Antiproliferative Properties. Journal of Medicinal Chemistry, 2020, 63, 827-846.	6.4	37
3	Structure-Guided Design, Synthesis, and Biological Evaluation of (2-(1H-Indol-3-yl)-1H-imidazol-4-yl)(3,4,5-trimethoxyphenyl) Methanone (ABI-231) Analogues Targeting the Colchicine Binding Site in Tubulin. Journal of Medicinal Chemistry, 2019, 62, 6734-6750.	6.4	59
4	Identification of the I38T PA Substitution as a Resistance Marker for Next-Generation Influenza Virus Endonuclease Inhibitors. MBio, 2018, 9, .	4.1	53
5	Heterocyclic-Fused Pyrimidines as Novel Tubulin Polymerization Inhibitors Targeting the Colchicine Binding Site: Structural Basis and Antitumor Efficacy. Journal of Medicinal Chemistry, 2018, 61, 1704-1718.	6.4	84
6	Structural Modification of the 3,4,5-Trimethoxyphenyl Moiety in the Tubulin Inhibitor VERU-111 Leads to Improved Antiproliferative Activities. Journal of Medicinal Chemistry, 2018, 61, 7877-7891.	6.4	39
7	The Structural and Functional Basis for Recurring Sulfa Drug Resistance Mutations in Staphylococcus aureus Dihydropteroate Synthase. Frontiers in Microbiology, 2018, 9, 1369.	3.5	58
8	A two-helix motif positions the lysophosphatidic acid acyltransferase active site for catalysis within the membrane bilayer. Nature Structural and Molecular Biology, 2017, 24, 666-671.	8.2	64
9	Protein-Structure Assisted Optimization of 4,5-Dihydroxypyrimidine-6-Carboxamide Inhibitors of Influenza Virus Endonuclease. Scientific Reports, 2017, 7, 17139.	3.3	14
10	An Amino Acid in the Stalk Domain of N1 Neuraminidase Is Critical for Enzymatic Activity. Journal of Virology, 2017, 91, .	3.4	18
11	N-acylhydrazone inhibitors of influenza virus PA endonuclease with versatile metal binding modes. Scientific Reports, 2016, 6, 31500.	3.3	49
12	Small molecule non-peptide inhibitors of botulinum neurotoxin serotype E: Structureâ€“activity relationship and a pharmacophore model. Bioorganic and Medicinal Chemistry, 2016, 24, 3978-3985.	3.0	9
13	Identification and characterization of influenza variants resistant to a viral endonuclease inhibitor. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3669-3674.	7.1	51
14	Challenges in Developing Biotoxin Inhibitors. Toxinology, 2015, , 357-373.	0.2	2
15	Unique Determinants of Neuraminidase Inhibitor Resistance among N3, N7, and N9 Avian Influenza Viruses. Journal of Virology, 2015, 89, 10891-10900.	3.4	43
16	The identification, analysis and structure-based development of novel inhibitors of 6-hydroxymethyl-7,8-dihydropterin pyrophosphokinase. Bioorganic and Medicinal Chemistry, 2014, 22, 2157-2165.	3.0	14
17	Recent Advances in Computer-Aided Drug Design as Applied to Anti-Influenza Drug Discovery. Current Topics in Medicinal Chemistry, 2014, 14, 1875-1889.	2.1	37
18	Challenges in Developing Inhibitors Against Toxins. , 2014, , 1-16.		0

#	Article	IF	Citations
19	Discovery of a fluorene class of compounds as inhibitors of botulinum neurotoxin serotype E by virtual screening. Chemical Communications, 2012, 48, 2412.	4.1	17
20	Peptide inhibitors of botulinum neurotoxin serotype A: design, inhibition, cocrystal structures, structureâ€“activity relationship and pharmacophore modeling. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 511-520.	2.5	18
21	Stable Analogues of OSBâ€AMP: Potent Inhibitors of MenE, the oâ€Succinylbenzoateâ€CoA Synthetase from Bacterial Menaquinone Biosynthesis. ChemBioChem, 2012, 13, 129-136.	2.6	51
22	SAR and pharmacophore models for the rhodanine inhibitors of Plasmodium falciparum enoylâ€acyl carrier protein reductase. IUBMB Life, 2010, 62, 204-213.	3.4	16
23	NMR and molecular modelling studies on the interaction of fluconazole with Î²-cyclodextrin. Chemistry Central Journal, 2009, 3, 9.	2.6	37
24	Combined effect of epigallocatechin gallate and triclosan on enoyl-ACP reductase of Mycobacterium tuberculosis. Biochemical and Biophysical Research Communications, 2008, 368, 12-17.	2.1	23
25	Green Tea Catechins Potentiate Triclosan Binding to Enoyl-ACP Reductase from Plasmodium falciparum (PfENR). Journal of Medicinal Chemistry, 2007, 50, 765-775.	6.4	47
26	Discovery of a Rhodanine Class of Compounds as Inhibitors ofPlasmodium falciparumEnoyl-Acyl Carrier Protein Reductase. Journal of Medicinal Chemistry, 2007, 50, 2665-2675.	6.4	95
27	Synthesis and Evaluation of Substituted Pyrazoles: Potential Antimalarials Targeting the Enoylâ€ACP Reductase of Plasmodium Falciparum. Synthetic Communications, 2006, 36, 215-226.	2.1	28
28	Novel diphenyl ethers: Design, docking studies, synthesis and inhibition of enoyl ACP reductase of Plasmodium falciparum and Escherichia coli. Bioorganic and Medicinal Chemistry, 2006, 14, 8086-8098.	3.0	64
29	Unfolding Studies on Soybean Agglutinin and Concanavalin A Tetramers: A Comparative Account. Biophysical Journal, 2005, 88, 1300-1310.	0.5	47
30	Functional characterization of Î²-ketoacyl-ACP reductase (FabG) from Plasmodium falciparum. Biochemical and Biophysical Research Communications, 2003, 303, 387-392.	2.1	42
31	Biopanning of endotoxin-specific phage displayed peptides. Biochemical and Biophysical Research Communications, 2003, 307, 133-138.	2.1	13
32	Identification, Characterization, and Inhibition of Plasmodium falciparum Î²-Hydroxyacyl-Acyl Carrier Protein Dehydratase (FabZ). Journal of Biological Chemistry, 2003, 278, 45661-45671.	3.4	91