Ganesha Rai

List of Publications by Year
in descending order

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30 papers	1,005 citations	516710 16 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	1887 citing authors

#	Article	IF	Citations
1	KDM5 histone demethylases repress immune response via suppression of STING. PLoS Biology, 2018, 16, e2006134.	5.6	106
2	Discovery and Optimization of Potent, Cell-Active Pyrazole-Based Inhibitors of Lactate Dehydrogenase (LDH). Journal of Medicinal Chemistry, 2017, 60, 9184-9204.	6.4	98
3	Targeting Glycolysis through Inhibition of Lactate Dehydrogenase Impairs Tumor Growth in Preclinical Models of Ewing Sarcoma. Cancer Research, 2019, 79, 5060-5073.	0.9	86
4	Structural Basis for KDM5A Histone Lysine Demethylase Inhibition by Diverse Compounds. Cell Chemical Biology, 2016, 23, 769-781.	5.2	80
5	Structure Mechanism Insights and the Role of Nitric Oxide Donation Guide the Development of Oxadiazole-2-Oxides as Therapeutic Agents against Schistosomiasis. Journal of Medicinal Chemistry, 2009, 52, 6474-6483.	6.4	74
6	Dynamic Imaging of LDH Inhibition in Tumors Reveals Rapid InÂVivo Metabolic Rewiring and Vulnerability to Combination Therapy. Cell Reports, 2020, 30, 1798-1810.e4.	6.4	73
7	Discovery of Potent and Selective Inhibitors of Human Reticulocyte 15-Lipoxygenase-1. Journal of Medicinal Chemistry, 2010, 53, 7392-7404.	6.4	66
8	KDM4/JMJD2 Histone Demethylase Inhibitors Block Prostate Tumor Growth by Suppressing the Expression of AR and BMYB-Regulated Genes. Chemistry and Biology, 2015, 22, 1185-1196.	6.0	66
9	A widely-applicable high-throughput cellular thermal shift assay (CETSA) using split Nano Luciferase. Scientific Reports, 2018, 8, 9472.	3.3	65
10	Synthesis of oxadiazole-2-oxide analogues as potential antischistosomal agents. Tetrahedron Letters, 2009, 50, 1710-1713.	1.4	32
11	Pyrazole-Based Lactate Dehydrogenase Inhibitors with Optimized Cell Activity and Pharmacokinetic Properties. Journal of Medicinal Chemistry, 2020, 63, 10984-11011.	6.4	30
12	A comparison of the ability of rilpivirine (TMC278) and selected analogues to inhibit clinically relevant HIV-1 reverse transcriptase mutants. Retrovirology, 2012, 9, 99.	2.0	29
13	Structure-Based Engineering of Irreversible Inhibitors against Histone Lysine Demethylase KDM5A. Journal of Medicinal Chemistry, 2018, 61, 10588-10601.	6.4	28
14	Histone Demethylase KDM5B as a Therapeutic Target for Cancer Therapy. Cancers, 2020, 12, 2121.	3.7	26
15	Discovery and optimization of piperazine-1-thiourea-based human phosphoglycerate dehydrogenase inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 1727-1739.	3.0	23
16	SCAM Detective: Accurate Predictor of Small, Colloidally Aggregating Molecules. Journal of Chemical Information and Modeling, 2020, 60, 4056-4063.	5.4	21
17	Identification of a New Heterocyclic Scaffold for Inhibitors of the Polo-Box Domain of Polo-like Kinase 1. Journal of Medicinal Chemistry, 2020, 63, 14087-14117.	6.4	15
18	Kinetic and structural investigations of novel inhibitors of human epithelial 15-lipoxygenase-2. Bioorganic and Medicinal Chemistry, 2021, 46, 116349.	3.0	15

#	Article	IF	Citations
19	NOX2 inhibitor GSK2795039 metabolite identification towards drug optimization. Journal of Pharmaceutical and Biomedical Analysis, 2021, 201, 114102.	2.8	12
20	Rilpivirine analogs potently inhibit drug-resistant HIV-1 mutants. Retrovirology, 2016, 13, 11.	2.0	10
21	Insights into the Action of Inhibitor Enantiomers against Histone Lysine Demethylase 5A. Journal of Medicinal Chemistry, 2018, 61, 3193-3208.	6.4	9
22	The AKT modulator A-443654 reduces Î±-synuclein expression and normalizes ER stress and autophagy. Journal of Biological Chemistry, 2021, 297, 101191.	3.4	7
23	Room-Temperature, Copper-Free Sonogashira Reactions Facilitated by Air-Stable, Monoligated Precatalyst [DTBNpP] Pd(crotyl)Cl. ACS Omega, 2018, 3, 12985-12998.	3.5	6
24	Genome-Edited Coincidence and PMP22-HiBiT Fusion Reporter Cell Lines Enable an Artifact-Suppressive Quantitative High-Throughput Screening Strategy for PMP22 Gene-Dosage Disorder Drug Discovery. ACS Pharmacology and Translational Science, 2021, 4, 1422-1436.	4.9	6
25	Hybrid In Silico Approach Reveals Novel Inhibitors of Multiple SARS-CoV-2 Variants. ACS Pharmacology and Translational Science, 2021, 4, 1675-1688.	4.9	6
26	Small Molecule Inhibitors of Activation-Induced Deaminase Decrease Class Switch Recombination in B Cells. ACS Pharmacology and Translational Science, 2021, 4, 1214-1226.	4.9	5
27	Allosteric Binders of ACE2 Are Promising Anti-SARS-CoV-2 Agents. ACS Pharmacology and Translational Science, 2022, 5, 468-478.	4.9	3
28	Structureâ€“activity relationship of ipglycermide binding to phosphoglycerate mutases. Journal of Biological Chemistry, 2021, 296, 100628.	3.4	2
29	Optimization of ether and aniline based inhibitors of lactate dehydrogenase. Bioorganic and Medicinal Chemistry Letters, 2021, 41, 127974.	2.2	2
30	A Genome-Edited ERÎ±-HiBiT Fusion Reporter Cell Line for the Identification of ERÎ± Modulators Via High-Throughput Screening and CETSA. Assay and Drug Development Technologies, 2021, 19, 539-549.	1.2	2