Bharath Srinivasan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7449555/publications.pdf

Version: 2024-02-01

32	741	471371 17	552653 26
papers	citations	h-index	g-index

44	44	44	922
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of novel coumarin appended bis(formylpyrazole) derivatives: Studies on their antimicrobial and antioxidant activities. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 690-694.	1.0	104
2	A guide to the Michaelisâ€“Menten equation: steady state and beyond. FEBS Journal, 2022, 289, 6086-6098.	2.2	71
3	Elucidation of the substrate specificity, kinetic and catalytic mechanism of adenylosuccinate lyase from Plasmodium falciparum. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 642-654.	1.1	40
4	PoLi: A Virtual Screening Pipeline Based on Template Pocket and Ligand Similarity. Journal of Chemical Information and Modeling, 2015, 55, 1757-1770.	2.5	36
5	Design and environmentally benign synthesis of novel thiophene appended pyrazole analogues as anti-inflammatory and radical scavenging agents: Crystallographic , in silico modeling, docking and SAR characterization. Bioorganic Chemistry, 2017, 73, 109-120.	2.0	36
6	Insights into the slowâ€onset tightâ€binding inhibition of EscherichiaÂcoli dihydrofolate reductase: detailed mechanistic characterization of pyrroloÂ[3,2â€f]Âquinazolineâ€1,3â€diamine and its derivatives as novel tightâ€binding inhibitors. FEBS Journal, 2015, 282, 1922-1938.	2.2	34
7	Repurposing FDA-approved drugs for anti-aging therapies. Biogerontology, 2016, 17, 907-920.	2.0	31
8	Allosteric regulation and substrate activation in cytosolic nucleotidase <scp>II</scp> from <scp>L</scp>egionellaÂpneumophila. FEBS Journal, 2014, 281, 1613-1628.	2.2	29
9	Synthesis of novel 2-pyrazoline analogues with potent anti-inflammatory effect mediated by inhibition of phospholipase A2: Crystallographic, in silico docking and QSAR analysis. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3806-3811.	1.0	29
10	Chemical space of Escherichia coli dihydrofolate reductase inhibitors: New approaches for discovering novel drugs for old bugs. Medicinal Research Reviews, 2019, 39, 684-705.	5.0	29
11	Words of Advice: teaching enzyme kinetics. FEBS Journal, 2021, 288, 2068-2083.	2.2	28
12	Implications of the small number of distinct ligand binding pockets in proteins for drug discovery, evolution and biochemical function. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1163-1170.	1.0	27
13	Explicit Treatment of Nonâ€Michaelisâ€Menten and Atypical Kinetics in Early Drug Discovery**. ChemMedChem, 2021, 16, 899-918.	1.6	25
14	Stable inheritance of CENP-A chromatin: Inner strength versus dynamic control. Journal of Cell Biology, 2020, 219, .	2.3	24
15	Experimental validation of FINDSITEcomb virtual ligand screening results for eight proteins yields novel nanomolar and micromolar binders. Journal of Cheminformatics, 2014, 6, 16.	2.8	23
16	Ligand binding studies, preliminary structureâ€“activity relationship and detailed mechanistic characterization of 1-phenyl-6,6-dimethyl-1,3,5-triazine-2,4-diamine derivatives as inhibitors of Escherichia coli dihydrofolate reductase. European Journal of Medicinal Chemistry, 2015, 103, 600-614.	2.6	22
17	Rational Design of Novel Allosteric Dihydrofolate Reductase Inhibitors Showing Antibacterial Effects on Drug-Resistant Escherichia coli Escape Variants. ACS Chemical Biology, 2017, 12, 1848-1857.	1.6	22
18	Synthesis of lignan conjugates via cyclopropanation: Antimicrobial and antioxidant studies. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3621-3625.	1.0	19

#	Article	IF	Citations
19	Design, synthesis of novel furan appended benzothiazepine derivatives and in vitro biological evaluation as potent VRV-PL-8a and H+/K+ ATPase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3048-3054.	1.0	18
20	Coumarin-triazole hybrids: Design, microwave-assisted synthesis, crystal and molecular structure, theoretical and computational studies and screening for their anticancer potentials against PC-3 and DU-145. Journal of Molecular Structure, 2021, 1230, 129899.	1.8	17
21	On the importance of composite protein multiple ligand interactions in protein pockets. Journal of Computational Chemistry, 2017, 38, 1252-1259.	1.5	10
22	Enrichment of ZÎ± domains at cytoplasmic stress granules is due to their innate ability to bind to nucleic acids. Journal of Cell Science, 2021, 134, .	1.2	10
23	ISN1 nucleotidases and HAD superfamily protein fold: in silico sequence and structure analysis. In Silico Biology, 2007, 7, 187-93.	0.4	9
24	Prediction of substrate specificity and preliminary kinetic characterization of the hypothetical protein PVX_123945 from Plasmodium vivax. Experimental Parasitology, 2015, 151-152, 56-63.	0.5	8
25	Catalytic and substrate promiscuity: distinct multiple chemistries catalysed by the phosphatase domain of receptor protein tyrosine phosphatase. Biochemical Journal, 2016, 473, 2165-2177.	1.7	8
26	A guide to enzyme kinetics in early drug discovery. FEBS Journal, 2023, 290, 2292-2305.	2.2	7
27	Design, synthesis, characterization, crystal structure, Hirshfeld surface analysis, DFT calculations, anticancer, angiogenic properties of new pyrazole carboxamide derivatives. Journal of Molecular Structure, 2021, 1235, 130271.	1.8	6
28	Structure and catalytic regulation of Plasmodium falciparum IMP specific nucleotidase. Nature Communications, 2020, 11, 3228.	5.8	4
29	Resurrecting the phoenix: When an assay fails. Medicinal Research Reviews, 2020, 40, 1776-1793.	5.0	4
30	A Novel High-Throughput FLIPR Tetraâ€“Based Method for Capturing Highly Confluent Kinetic Data for Structureâ€“Kinetic Relationship Guided Early Drug Discovery. SLAS Discovery, 2021, 26, 684-697.	1.4	4
31	Novel small molecule binders of human N-glycanase 1, a key player in the endoplasmic reticulum associated degradation pathway. Bioorganic and Medicinal Chemistry, 2016, 24, 4750-4758.	1.4	3
32	Pocket detection and interaction-weighted ligand-similarity search yields novel high-affinity binders for Myocilin-OLF, a protein implicated in glaucoma. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 4133-4139.	1.0	2