

Bharath Srinivasan

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

741
citations

471509

17
h-index

552781

26
g-index

44
all docs

44
docs citations

44
times ranked

922
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of novel coumarin appended bis(formylpyrazole) derivatives: Studies on their antimicrobial and antioxidant activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 690-694.	2.2	104
2	A guide to the Michaelis-Menten equation: steady state and beyond. <i>FEBS Journal</i> , 2022, 289, 6086-6098.	4.7	71
3	Elucidation of the substrate specificity, kinetic and catalytic mechanism of adenylosuccinate lyase from <i>Plasmodium falciparum</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 642-654.	2.3	40
4	PolLi: A Virtual Screening Pipeline Based on Template Pocket and Ligand Similarity. <i>Journal of Chemical Information and Modeling</i> , 2015, 55, 1757-1770.	5.4	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. <i>Bioorganic Chemistry</i> , 2017, 73, 109-120.	4.1	36
6	Insights into the slow-onset tight-binding inhibition of <i>Escherichia coli</i> dihydrofolate reductase: detailed mechanistic characterization of pyrrolo[3,2-f]quinazoline-1,3-diamine and its derivatives as novel tight-binding inhibitors. <i>FEBS Journal</i> , 2015, 282, 1922-1938.	4.7	34
7	Repurposing FDA-approved drugs for anti-aging therapies. <i>Biogerontology</i> , 2016, 17, 907-920.	3.9	31
8	Allosteric regulation and substrate activation in cytosolic nucleotidase <i>scpII</i> from <i>Legionella pneumophila</i> . <i>FEBS Journal</i> , 2014, 281, 1613-1628.	4.7	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. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3806-3811.	2.2	29
10	Chemical space of <i>Escherichia coli</i> dihydrofolate reductase inhibitors: New approaches for discovering novel drugs for old bugs. <i>Medicinal Research Reviews</i> , 2019, 39, 684-705.	10.5	29
11	Words of Advice: teaching enzyme kinetics. <i>FEBS Journal</i> , 2021, 288, 2068-2083.	4.7	28
12	Implications of the small number of distinct ligand binding pockets in proteins for drug discovery, evolution and biochemical function. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 1163-1170.	2.2	27
13	Explicit Treatment of Non-Michaelis-Menten and Atypical Kinetics in Early Drug Discovery**. <i>ChemMedChem</i> , 2021, 16, 899-918.	3.2	25
14	Stable inheritance of CENP-A chromatin: Inner strength versus dynamic control. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	24
15	Experimental validation of FINDSITEcomb virtual ligand screening results for eight proteins yields novel nanomolar and micromolar binders. <i>Journal of Cheminformatics</i> , 2014, 6, 16.	6.1	23
16	Ligand binding studies, preliminary structure-activity relationship and detailed mechanistic characterization of 1-phenyl-6,6-dimethyl-1,3,5-triazine-2,4-diamine derivatives as inhibitors of <i>Escherichia coli</i> dihydrofolate reductase. <i>European Journal of Medicinal Chemistry</i> , 2015, 103, 600-614.	5.5	22
17	Rational Design of Novel Allosteric Dihydrofolate Reductase Inhibitors Showing Antibacterial Effects on Drug-Resistant <i>Escherichia coli</i> Escape Variants. <i>ACS Chemical Biology</i> , 2017, 12, 1848-1857.	3.4	22
18	Synthesis of lignan conjugates via cyclopropanation: Antimicrobial and antioxidant studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3621-3625.	2.2	19

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19	Design, synthesis of novel furan appended benzothiazepine derivatives and in vitro biological evaluation as potent VRV-PL-8a and H ⁺ /K ⁺ ATPase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3048-3054.	2.2	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. <i>Journal of Molecular Structure</i> , 2021, 1230, 129899.	3.6	17
21	On the importance of composite protein multiple ligand interactions in protein pockets. <i>Journal of Computational Chemistry</i> , 2017, 38, 1252-1259.	3.3	10
22	Enrichment of Z ^{1±} domains at cytoplasmic stress granules is due to their innate ability to bind to nucleic acids. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	10
23	ISN1 nucleotidases and HAD superfamily protein fold: in silico sequence and structure analysis. <i>In Silico Biology</i> , 2007, 7, 187-93.	0.9	9
24	Prediction of substrate specificity and preliminary kinetic characterization of the hypothetical protein PVX_123945 from <i>Plasmodium vivax</i> . <i>Experimental Parasitology</i> , 2015, 151-152, 56-63.	1.2	8
25	Catalytic and substrate promiscuity: distinct multiple chemistries catalysed by the phosphatase domain of receptor protein tyrosine phosphatase. <i>Biochemical Journal</i> , 2016, 473, 2165-2177.	3.7	8
26	A guide to enzyme kinetics in early drug discovery. <i>FEBS Journal</i> , 2023, 290, 2292-2305.	4.7	7
27	Design, synthesis, characterization, crystal structure, Hirshfeld surface analysis, DFT calculations, anticancer, angiogenic properties of new pyrazole carboxamide derivatives. <i>Journal of Molecular Structure</i> , 2021, 1235, 130271.	3.6	6
28	Structure and catalytic regulation of <i>Plasmodium falciparum</i> IMP specific nucleotidase. <i>Nature Communications</i> , 2020, 11, 3228.	12.8	4
29	Resurrecting the phoenix: When an assay fails. <i>Medicinal Research Reviews</i> , 2020, 40, 1776-1793.	10.5	4
30	A Novel High-Throughput FLIPR Tetra [±] -Based Method for Capturing Highly Confluent Kinetic Data for Structure [±] -Kinetic Relationship Guided Early Drug Discovery. <i>SLAS Discovery</i> , 2021, 26, 684-697.	2.7	4
31	Novel small molecule binders of human N-glycanase 1, a key player in the endoplasmic reticulum associated degradation pathway. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4750-4758.	3.0	3
32	Pocket detection and interaction-weighted ligand-similarity search yields novel high-affinity binders for Myocilin-OLF, a protein implicated in glaucoma. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4133-4139.	2.2	2