Bharath Srinivasan

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30 papers	470 citations	13 h-index	21 g-index
44 ext. papers	597 ext. citations	5.2 avg, IF	4.52 L-index

#	Paper	IF	Citations
30	Synthesis of novel coumarin appended bis(formylpyrazole) derivatives: Studies on their antimicrobial and antioxidant activities. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 690-694	2.9	84
29	Elucidation of the substrate specificity, kinetic and catalytic mechanism of adenylosuccinate lyase from Plasmodium falciparum. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2009**, 1794, 642-54	4	34
28	PoLi: A Virtual Screening Pipeline Based on Template Pocket and Ligand Similarity. *Journal of Chemical Information and Modeling*, **2015**, 55, 1757-70	6.1	30
27	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	5.1	29
26	Insights into the slow-onset tight-binding inhibition of Escherichia coli dihydrofolate reductase: detailed mechanistic characterization of pyrrolo [3,2-f] quinazoline-1,3-diamine and its derivatives as novel tight-binding inhibitors. *FEBS Journal*, **2015**, 282, 1922-38	5.7	25
25	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, 1163-70	2.9	24
24	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	2.9	23
23	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 Escherichia coli dihydrofolate reductase. *European Journal of Medicinal Chemistry*, **2015**, 103, 600-14	6.8	22
22	Experimental validation of FINDSITE(comb) virtual ligand screening results for eight proteins yields novel nanomolar and micromolar binders. *Journal of Cheminformatics*, **2014**, 6, 16	8.6	22
21	Repurposing FDA-approved drugs for anti-aging therapies. *Biogerontology*, **2016**, 17, 907-920	4.5	22
20	Synthesis of lignan conjugates via cyclopropanation: Antimicrobial and antioxidant studies. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 3621-5	2.9	17
19	Allosteric regulation and substrate activation in cytosolic nucleotidase II from Legionella pneumophila. *FEBS Journal*, **2014**, 281, 1613-1628	5.7	16
18	Chemical space of Escherichia coli dihydrofolate reductase inhibitors: New approaches for discovering novel drugs for old bugs. *Medicinal Research Reviews*, **2019**, 39, 684-705	14.4	16
17	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	2.9	13
16	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	4.9	12
15	Stable inheritance of CENP-A chromatin: Inner strength versus dynamic control. *Journal of Cell Biology*, **2020**, 219,	7.3	11
14	On the importance of composite protein multiple ligand interactions in protein pockets. *Journal of Computational Chemistry*, **2017**, 38, 1252-1259	3.5	10

13	A guide to the Michaelis-Menten equation: steady state and beyond. *FEBS Journal*, **2021**,	5.7	10
12	ISN1 nucleotidases and HAD superfamily protein fold: in silico sequence and structure analysis. *In Silico Biology*, **2007**, 7, 187-93	2	8
11	Prediction of substrate specificity and preliminary kinetic characterization of the hypothetical protein PVX_123945 from Plasmodium vivax. *Experimental Parasitology*, **2015**, 151-152, 56-63	2.1	6
10	Catalytic and substrate promiscuity: distinct multiple chemistries catalysed by the phosphatase domain of receptor protein tyrosine phosphatase. *Biochemical Journal*, **2016**, 473, 2165-77	3.8	5
9	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	3.4	4
8	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	3.4	4
7	Explicit Treatment of Non-Michaelis-Menten and Atypical Kinetics in Early Drug Discovery*. *ChemMedChem*, **2021**, 16, 899-918	3.7	3
6	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	2.9	2
5	Enrichment of Z□domains at cytoplasmic stress granules is due to their innate ability to bind to nucleic acids. *Journal of Cell Science*, **2021**, 134,	5.3	2
4	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	3.4	2
3	Resurrecting the phoenix: When an assay fails. *Medicinal Research Reviews*, **2020**, 40, 1776-1793	14.4	2
2	Structure and catalytic regulation of Plasmodium falciparum IMP specific nucleotidase. *Nature Communications*, **2020**, 11, 3228	17.4	0
1	A Novel High-Throughput FLIPR Tetra-Based Method for Capturing Highly Confluent Kinetic Data for Structure-Kinetic Relationship Guided Early Drug Discovery. *SLAS Discovery*, **2021**, 26, 684-697	3.4	0