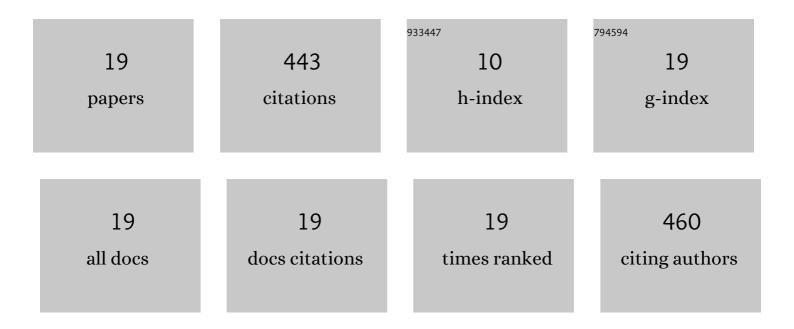
## Mohini S Ghatge

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Molecular insight into 2-phosphoglycolate activation of the phosphatase activity of bisphosphoglycerate mutase. Acta Crystallographica Section D: Structural Biology, 2022, 78, 472-482.	2.3	4
2	Design, Synthesis, and Antisickling Investigation of a Nitric Oxide-Releasing Prodrug of 5HMF for the Treatment of Sickle Cell Disease. Biomolecules, 2022, 12, 696.	4.0	4
3	Inborn errors in the vitamin B6 salvage enzymes associated with neonatal epileptic encephalopathy and other pathologies. Biochimie, 2021, 183, 18-29.	2.6	16
4	Exploration of Structure–Activity Relationship of Aromatic Aldehydes Bearing Pyridinylmethoxy-Methyl Esters as Novel Antisickling Agents. Journal of Medicinal Chemistry, 2020, 63, 14724-14739.	6.4	7
5	An Investigation of Structure-Activity Relationships of Azolylacryloyl Derivatives Yielded Potent and Long-Acting Hemoglobin Modulators for Reversing Erythrocyte Sickling. Biomolecules, 2020, 10, 1508.	4.0	6
6	VZHE-039, a novel antisickling agent that prevents erythrocyte sickling under both hypoxic and anoxic conditions. Scientific Reports, 2020, 10, 20277.	3.3	14
7	Hemoglobin: Structure, Function and Allostery. Sub-Cellular Biochemistry, 2020, 94, 345-382.	2.4	106
8	Rational design of pyridyl derivatives of vanillin for the treatment of sickle cell disease. Bioorganic and Medicinal Chemistry, 2018, 26, 2530-2538.	3.0	26
9	Rational modification of vanillin derivatives to stereospecifically destabilize sickle hemoglobin polymer formation. Acta Crystallographica Section D: Structural Biology, 2018, 74, 956-964.	2.3	15
10	Aryloxyalkanoic Acids as Non-Covalent Modifiers of the Allosteric Properties of Hemoglobin. Molecules, 2016, 21, 1057.	3.8	4
11	Inactive mutants of human pyridoxine 5′â€phosphate oxidase: a possible role for a noncatalytic pyridoxal 5′â€phosphate tight binding site. FEBS Open Bio, 2016, 6, 398-408.	2.3	15
12	Crystal structure of carbonmonoxy sickle hemoglobin in R-state conformation. Journal of Structural Biology, 2016, 194, 446-450.	2.8	30
13	Vzhe-039, a Novel Structurally-Enhanced Allosteric Hemoglobin Effector Inhibits Sickling of SS Erythrocytes In Vitro, and Exhibits Improved Pharmacologic Properties In Vivo. Blood, 2016, 128, 3645-3645.	1.4	2
14	Molecular basis of E. coli l-threonine aldolase catalytic inactivation at low pH. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 278-283.	2.3	7
15	Design, Synthesis, and Investigation of Novel Nitric Oxide (NO)-Releasing Prodrugs as Drug Candidates for the Treatment of Ischemic Disorders: Insights into NO-Releasing Prodrug Biotransformation and Hemoglobin–NO Biochemistry. Biochemistry, 2015, 54, 7178-7192.	2.5	9
16	Pyridoxal 5′-Phosphate Is a Slow Tight Binding Inhibitor of E. coli Pyridoxal Kinase. PLoS ONE, 2012, 7, e41680.	2.5	48
17	Crystallographic analysis of human hemoglobin elucidates the structural basis of the potent and dual antisickling activity of pyridyl derivatives of vanillin. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 920-928.	2.5	41
18	Hemoglobin–ligand binding: Understanding Hb function and allostery on atomic level. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 797-809.	2.3	76

#	Article	IF	CITATIONS
19	The plmS 2 -Encoded Cytochrome P450 Monooxygenase Mediates Hydroxylation of Phoslactomycin B in Streptomyces sp. Strain HK803. Journal of Bacteriology, 2005, 187, 7970-7976.	2.2	13