

# Babu A Manjasetty

## List of Publications by Year in descending order

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34  
papers

761  
citations

623574

14  
h-index

526166

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1072  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structures of recombinant histones HMfA and HMfB from the hyperthermophilic archaeon <i>Methanothermus fervidus</i> . <i>Journal of Molecular Biology</i> , 2000, 303, 35-47.	2.0	105
2	Crystal structure of a bifunctional aldolase-dehydrogenase: Sequestering a reactive and volatile intermediate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 6992-6997.	3.3	95
3	Metalloproteomics: High-Throughput Structural and Functional Annotation of Proteins in Structural Genomics. <i>Structure</i> , 2005, 13, 1473-1486.	1.6	76
4	Crystal Structure of <i>Escherichia coli</i> L-Arabinose Isomerase (ECAI), The Putative Target of Biological Tagatose Production. <i>Journal of Molecular Biology</i> , 2006, 360, 297-309.	2.0	72
5	Automated technologies and novel techniques to accelerate protein crystallography for structural genomics. <i>Proteomics</i> , 2008, 8, 612-625.	1.3	70
6	Crystal structure of <i>Homo sapiens</i> protein hp14.5. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 54, 797-800.	1.5	42
7	The ybeY protein from <i>Escherichia coli</i> is a metalloprotein. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 959-963.	0.7	38
8	X-ray structure of fumarylacetoacetate hydrolase family member <i>Homo sapiens</i> FLJ36880. <i>Biological Chemistry</i> , 2004, 385, 935-942.	1.2	25
9	Unique subunit packing in mycobacterial nanoRNase leads to alternate substrate recognitions in DHH phosphodiesterases. <i>Nucleic Acids Research</i> , 2014, 42, 7894-7910.	6.5	25
10	X-ray structure of human gankyrin, the product of a gene linked to hepatocellular carcinoma. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 55, 214-217.	1.5	24
11	Structural basis for modification of flavonol and naphthol glucoconjugates by <i>Nicotiana tabacum</i> malonyltransferase (NtMaT1). <i>Planta</i> , 2012, 236, 781-793.	1.6	23
12	Current methods in structural proteomics and its applications in biological sciences. <i>3 Biotech</i> , 2012, 2, 89-113.	1.1	23
13	Crystal Structure of Calcium Binding Protein-5 from <i>Entamoeba histolytica</i> and Its Involvement in Initiation of Phagocytosis of Human Erythrocytes. <i>PLoS Pathogens</i> , 2014, 10, e1004532.	2.1	22
14	Structure-function relationships of two paralogous single-stranded DNA-binding proteins from <i>Streptomyces coelicolor</i> : implication of SsbB in chromosome segregation during sporulation. <i>Nucleic Acids Research</i> , 2013, 41, 3659-3672.	6.5	17
15	FlexED8: the first member of a fast and flexible sample-changer family for macromolecular crystallography. <i>Acta Crystallographica Section D: Structural Biology</i> , 2017, 73, 841-851.	1.1	13
16	Crystal structure of <i>Clostridium acetobutylicum</i> aspartate kinase (CaAk): An important allosteric enzyme for amino acids production. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2014, 3, 73-85.	2.1	12
17	Loop-to-helix transition in the structure of multidrug regulator AcrR at the entrance of the drug-binding cavity. <i>Journal of Structural Biology</i> , 2016, 194, 18-28.	1.3	12
18	A High-Throughput Approach To Protein Structure Analysis. , 2007, 28, 105-128.		9

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19	X-ray structure of engineered human Aortic Preferentially Expressed Protein-1 (APEG-1). BMC Structural Biology, 2005, 5, 21.	2.3	8
20	Crystal structure of Homo sapiens PTD012 reveals a zinc-containing hydrolase fold. Protein Science, 2006, 15, 914-920.	3.1	7
21	Crystallization and preliminary X-ray analysis of dmpFG-encoded 4-hydroxy-2-ketovalerate aldolase $\alpha$ aldehyde dehydrogenase (acylating) from Pseudomonas Asp. strain CF600. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 582-585.	2.5	6
22	Structure of circularly permuted DsbAQ100T99: preserved global fold and local structural adjustments. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 304-309.	2.5	6
23	Analysis of Conformational Variation in Macromolecular Structural Models. PLoS ONE, 2012, 7, e39993.	1.1	5
24	Cloning, purification and preliminary crystallographic analysis of Ara127N, a GH127 $\beta$ -L-arabinofuranosidase from Geobacillus stearothermophilus T6. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1038-1045.	0.4	5
25	Crystal Structure of Fad35R from Mycobacterium tuberculosis H37Rv in the Apo-State. PLoS ONE, 2015, 10, e0124333.	1.1	5
26	The impact of Structural Proteomics on Biotechnology. Biotechnology and Genetic Engineering Reviews, 2009, 26, 353-370.	2.4	4
27	Redefining the PF06864 Pfam Family Based on Burkholderia pseudomallei PiO2Bp S-SAD Crystal Structure. PLoS ONE, 2014, 9, e94981.	1.1	4
28	Preliminary crystallographic analysis of Xyn52B2, a GH52 $\beta$ -xylosidase from Geobacillus stearothermophilus T6. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1675-1682.	0.4	3
29	Extended Conformation of Putrescine Occurring on a Center of Symmetry in its 1:2 Complex with Malonic Acid. Acta Crystallographica Section C: Crystal Structure Communications, 1997, 53, 365-367.	0.4	2
30	Secure web book to store structural genomics research data. Journal of Structural and Functional Genomics, 2003, 4, 121-127.	1.2	1
31	Preliminary crystallography confirms that the archaeal DNA-binding and tryptophan-sensing regulator TrpY is a dimer. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1493-1495.	0.7	1
32	Structural and functional conservation profiles of novel cathepsin L-like proteins identified in the Drosophila melanogaster genome. Journal of Biomolecular Structure and Dynamics, 2013, 31, 1481-1489.	2.0	1
33	Fluorescence-based thermal shift data on multidrug regulator AcrR from Salmonella enterica subsp. enterica serovar Typhimurium str. LT2. Data in Brief, 2016, 7, 537-539.	0.5	0
34	THE IMPACT OF STRUCTURAL PROTEOMICS ON BIOTECHNOLOGY. , 0, , 353-370.		0