

# Ritcha Mehra-Chaudhary

## List of Publications by Year in descending order

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12  
papers

232  
citations

933447

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h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

363  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal Structure of <i>Bacillus anthracis</i> Phosphoglucosamine Mutase, an Enzyme in the Peptidoglycan Biosynthetic Pathway. <i>Journal of Bacteriology</i> , 2011, 193, 4081-4087.	2.2	39
2	The Structure of the Antibiotic Deactivating, N-hydroxylating Rifampicin Monooxygenase. <i>Journal of Biological Chemistry</i> , 2016, 291, 21553-21562.	3.4	36
3	Backbone Flexibility, Conformational Change, and Catalysis in a Phosphohexomutase from <i>Pseudomonas aeruginosa</i> . <i>Biochemistry</i> , 2008, 47, 9154-9162.	2.5	32
4	Crystal structure of a bacterial phosphoglucomutase, an enzyme involved in the virulence of multiple human pathogens. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 1215-1229.	2.6	29
5	Domain motion and interdomain hot spots in a multidomain enzyme. <i>Protein Science</i> , 2010, 19, 1662-1672.	7.6	21
6	Conservation of Functionally Important Global Motions in an Enzyme Superfamily across Varying Quaternary Structures. <i>Journal of Molecular Biology</i> , 2012, 423, 831-846.	4.2	13
7	Trapping conformational states of a flavin-dependent N-monooxygenase in crystallo reveals protein and flavin dynamics. <i>Journal of Biological Chemistry</i> , 2020, 295, 13239-13249.	3.4	13
8	Solution NMR of a 463-Residue Phosphohexomutase: Domain 4 Mobility, Substates, and Phosphoryl Transfer Defect. <i>Biochemistry</i> , 2012, 51, 807-819.	2.5	12
9	Identification of an essential active site residue in the phosphohexomutase enzyme superfamily. <i>FEBS Journal</i> , 2013, 280, 2622-2632.	4.7	12
10	Breaking the covalent connection: Chain connectivity and the catalytic reaction of PMM/PGM. <i>Protein Science</i> , 2010, 19, 1235-1242.	7.6	10
11	Quaternary structure, conformational variability and global motions of phosphoglucosamine mutase. <i>FEBS Journal</i> , 2011, 278, 3298-3307.	4.7	10
12	Crystallization and initial crystallographic analysis of phosphoglucosamine mutase from <i>Bacillus anthracis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 733-735.	0.7	5