

# Shveta Bisht

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5060625/publications.pdf>

Version: 2024-02-01

15  
papers

1,219  
citations

840119

11  
h-index

1058022

14  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling of DNA binding to the condensin hinge domain using molecular dynamics simulations guided by atomic force microscopy. <i>PLoS Computational Biology</i> , 2021, 17, e1009265.	1.5	4
2	Twist to disentangle. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 252-253.	3.6	1
3	Real-time imaging of DNA loop extrusion by condensin. <i>Science</i> , 2018, 360, 102-105.	6.0	624
4	Structural Basis for a Safety-Belt Mechanism That Anchors Condensin to Chromosomes. <i>Cell</i> , 2017, 171, 588-600.e24.	13.5	144
5	The condensin complex is a mechanochemical motor that translocates along DNA. <i>Science</i> , 2017, 358, 672-676.	6.0	266
6	Real-time detection of condensin-driven <i>scp</i> DNA compaction reveals a multistep binding mechanism. <i>EMBO Journal</i> , 2017, 36, 3448-3457.	3.5	71
7	Identification of key amino acid residues in the catalytic mechanism of diaminopropionate ammonialyase from <i>Salmonella typhimurium</i> . <i>FEBS Journal</i> , 2013, 280, 5039-5051.	2.2	3
8	Mechanistic Insights into the Neutralization of Cytotoxic Abrin by the Monoclonal Antibody D6F10. <i>PLoS ONE</i> , 2013, 8, e70273.	1.1	13
9	Crystal Structure of <i>Escherichia coli</i> Diaminopropionate Ammonia-lyase Reveals Mechanism of Enzyme Activation and Catalysis. <i>Journal of Biological Chemistry</i> , 2012, 287, 20369-20381.	1.6	15
10	Structural and Mutational Studies on Substrate Specificity and Catalysis of <i>Salmonella typhimurium</i> D-Cysteine Desulphydrase. <i>PLoS ONE</i> , 2012, 7, e36267.	1.1	15
11	Crystal structures of open and closed forms of <i>scp</i> serine deaminase from <i>Salmonella typhimurium</i> implications on substrate specificity and catalysis. <i>FEBS Journal</i> , 2011, 278, 2879-2891.	2.2	12
12	Prediction of Protein-Protein Interactions Between Human Host and Two Mycobacterial Organisms. <i>International Journal of Knowledge Discovery in Bioinformatics</i> , 2010, 1, 1-13.	0.8	0
13	Structural and functional studies of <i>Bacillus stearothermophilus</i> serine hydroxymethyltransferase: the role of Asn341, Tyr60 and Phe351 in tetrahydrofolate binding. <i>Biochemical Journal</i> , 2009, 418, 635-642.	1.7	14
14	Electrospray mass spectrometric characterization of hemoglobin Q (Hb Q-India) and a double mutant hemoglobin S/D in clinical samples. <i>Clinical Biochemistry</i> , 2008, 41, 75-81.	0.8	21
15	Importance of tyrosine residues of <i>Bacillus stearothermophilus</i> serine hydroxymethyltransferase in cofactor binding and <i>scp</i> allo-Thr cleavage. <i>FEBS Journal</i> , 2008, 275, 4606-4619.	2.2	11