

Shveta Bisht

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5060625/shveta-bisht-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

16
papers

801
citations

9
h-index

17
g-index

17
ext. papers

1,075
ext. citations

13.5
avg, IF

4.22
L-index

#	Paper	IF	Citations
16	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	5	0
15	Twist to disentangle. <i>Nature Structural and Molecular Biology</i> , 2019 , 26, 252-253	17.6	1
14	Real-time imaging of DNA loop extrusion by condensin. <i>Science</i> , 2018 , 360, 102-105	33.3	357
13	Structural Basis for a Safety-Belt Mechanism That Anchors Condensin to Chromosomes. <i>Cell</i> , 2017 , 171, 588-600.e24	56.2	101
12	The condensin complex is a mechanochemical motor that translocates along DNA. <i>Science</i> , 2017 , 358, 672-676	33.3	197
11	Real-time detection of condensin-driven DNA compaction reveals a multistep binding mechanism. <i>EMBO Journal</i> , 2017 , 36, 3448-3457	13	55
10	Identification of key amino acid residues in the catalytic mechanism of diaminopropionate ammoniolyase from <i>Salmonella typhimurium</i> . <i>FEBS Journal</i> , 2013 , 280, 5039-51	5.7	2
9	Mechanistic insights into the neutralization of cytotoxic abrin by the monoclonal antibody D6F10. <i>PLoS ONE</i> , 2013 , 8, e70273	3.7	9
8	Structural and mutational studies on substrate specificity and catalysis of <i>Salmonella typhimurium</i> D-cysteine desulphydrase. <i>PLoS ONE</i> , 2012 , 7, e36267	3.7	9
7	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, 20369-81	5.4	13
6	Crystal structures of open and closed forms of d-serine deaminase from <i>Salmonella typhimurium</i> - implications on substrate specificity and catalysis. <i>FEBS Journal</i> , 2011 , 278, 2879-91	5.7	11
5	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		
4	Structural and functional studies of <i>Bacillus stearothermophilus</i> serine hydroxymethyltransferase: the role of Asn(341), Tyr(60) and Phe(351) in tetrahydrofolate binding. <i>Biochemical Journal</i> , 2009 , 418, 635-42	3.8	13
3	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	3.5	19
2	Importance of tyrosine residues of <i>Bacillus stearothermophilus</i> serine hydroxymethyltransferase in cofactor binding and L-allo-Thr cleavage. <i>FEBS Journal</i> , 2008 , 275, 4606-19	5.7	10
1	Real-time detection of condensin-driven DNA compaction reveals a multistep binding mechanism		3