

Shveta Bisht

List of Publications by Citations

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Version: 2024-04-20

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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 | Real-time imaging of DNA loop extrusion by condensin. <i>Science</i> , 2018 , 360, 102-105 | 33.3 | 357 |
| 15 | The condensin complex is a mechanochemical motor that translocates along DNA. <i>Science</i> , 2017 , 358, 672-676 | 33.3 | 197 |
| 14 | Structural Basis for a Safety-Belt Mechanism That Anchors Condensin to Chromosomes. <i>Cell</i> , 2017 , 171, 588-600.e24 | 56.2 | 101 |
| 13 | Real-time detection of condensin-driven DNA compaction reveals a multistep binding mechanism. <i>EMBO Journal</i> , 2017 , 36, 3448-3457 | 13 | 55 |
| 12 | 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 |
| 11 | Crystal structure of Escherichia coli diaminopropionate ammonia-lyase reveals mechanism of enzyme activation and catalysis. <i>Journal of Biological Chemistry</i> , 2012 , 287, 20369-81 | 5.4 | 13 |
| 10 | Structural and functional studies of Bacillus stearothermophilus 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 |
| 9 | Crystal structures of open and closed forms of d-serine deaminase from Salmonella typhimurium - implications on substrate specificity and catalysis. <i>FEBS Journal</i> , 2011 , 278, 2879-91 | 5.7 | 11 |
| 8 | Importance of tyrosine residues of Bacillus stearothermophilus serine hydroxymethyltransferase in cofactor binding and L-allo-Thr cleavage. <i>FEBS Journal</i> , 2008 , 275, 4606-19 | 5.7 | 10 |
| 7 | Structural and mutational studies on substrate specificity and catalysis of Salmonella typhimurium D-cysteine desulfhydrase. <i>PLoS ONE</i> , 2012 , 7, e36267 | 3.7 | 9 |
| 6 | Mechanistic insights into the neutralization of cytotoxic abrin by the monoclonal antibody D6F10. <i>PLoS ONE</i> , 2013 , 8, e70273 | 3.7 | 9 |
| 5 | Real-time detection of condensin-driven DNA compaction reveals a multistep binding mechanism | | 3 |
| 4 | Identification of key amino acid residues in the catalytic mechanism of diaminopropionate ammonia-lyase from Salmonella typhimurium. <i>FEBS Journal</i> , 2013 , 280, 5039-51 | 5.7 | 2 |
| 3 | Twist to disentangle. <i>Nature Structural and Molecular Biology</i> , 2019 , 26, 252-253 | 17.6 | 1 |
| 2 | 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 |
| 1 | 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 | | |