

Harish Shukla

List of Publications by Citations

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

30
papers

548
citations

14
h-index

23
g-index

30
ext. papers

661
ext. citations

5
avg, IF

4.34
L-index

#	Paper	IF	Citations
30	Distant Phe345 mutation compromises the stability and activity of Mycobacterium tuberculosis isocitrate lyase by modulating its structural flexibility. <i>Scientific Reports</i> , 2017 , 7, 1058	4.9	53
29	Aminoacyl-tRNA synthetases: Structure, function, and drug discovery. <i>International Journal of Biological Macromolecules</i> , 2018 , 111, 400-414	7.9	51
28	Structure-based screening and molecular dynamics simulations offer novel natural compounds as potential inhibitors of Mycobacterium tuberculosis isocitrate lyase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 2045-2057	3.6	46
27	Alterations in conformational topology and interaction dynamics caused by L418A mutation leads to activity loss of Mycobacterium tuberculosis isocitrate lyase. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 490, 276-282	3.4	43
26	Development of multi-epitope driven subunit vaccine against Fasciola gigantica using immunoinformatics approach. <i>International Journal of Biological Macromolecules</i> , 2019 , 138, 224-233	7.9	39
25	Identification of potential inhibitors of Fasciola gigantica thioredoxin1: computational screening, molecular dynamics simulation, and binding free energy studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 2147-2162	3.6	37
24	A combined biochemical and computational studies of the rho-class glutathione s-transferase sll1545 of Synechocystis PCC 6803. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 378-385	7.9	31
23	Structural insights into natural compounds as inhibitors of Fasciola gigantica thioredoxin glutathione reductase. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 3067-3080	4.7	30
22	Isocitrate lyase of Mycobacterium tuberculosis is inhibited by quercetin through binding at N-terminus. <i>International Journal of Biological Macromolecules</i> , 2015 , 78, 137-41	7.9	28
21	UDP-N-Acetylglucosamine enolpyruvyl transferase (MurA) of Acinetobacter baumannii (AbMurA): Structural and functional properties. <i>International Journal of Biological Macromolecules</i> , 2017 , 97, 106-114	7.9	26
20	Activity loss by H46A mutation in Mycobacterium tuberculosis isocitrate lyase is due to decrease in structural plasticity and collective motions of the active site. <i>Tuberculosis</i> , 2018 , 108, 143-150	2.6	26
19	Insight into the structural flexibility and function of Mycobacterium tuberculosis isocitrate lyase. <i>Biochimie</i> , 2015 , 110, 73-80	4.6	18
18	Structural and energetic understanding of novel natural inhibitors of Mycobacterium tuberculosis malate synthase. <i>Journal of Cellular Biochemistry</i> , 2018 , 120, 2469	4.7	18
17	Comprehensive analysis of the catalytic and structural properties of a mu-class glutathione s-transferase from Fasciola gigantica. <i>Scientific Reports</i> , 2017 , 7, 17547	4.9	15
16	Draft Genome of the Liver Fluke. <i>ACS Omega</i> , 2020 , 5, 11084-11091	3.9	14
15	Alternate pathway to ascorbate induced inhibition of Mycobacterium tuberculosis. <i>Tuberculosis</i> , 2018 , 111, 161-169	2.6	12
14	Design of a multi-epitope subunit vaccine for immune-protection against Leishmania parasite. <i>Pathogens and Global Health</i> , 2020 , 114, 471-481	3.1	11

13	Biochemical and thermodynamic comparison of the selenocysteine containing and non-containing thioredoxin glutathione reductase of <i>Fasciola gigantica</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 1306-1316	4	11
12	Structure-based discovery of phenyl-diketo acids derivatives as malate synthase inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 2945-2958	3.6	8
11	Portrait of the Intrinsically Disordered Side of the HTLV-1 Proteome. <i>ACS Omega</i> , 2019 , 4, 10003-10018	3.9	7
10	Salt-regulated reversible fibrillation of <i>Mycobacterium tuberculosis</i> isocitrate lyase: Concurrent restoration of structure and activity. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 89-96	7.9	5
9	Unfolding of <i>Acinetobacter baumannii</i> MurA proceeds through a metastable intermediate: A combined spectroscopic and computational investigation. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 941-951	7.9	5
8	Structure-function studies of the asparaginyl-tRNA synthetase from understanding the role of catalytic and non-catalytic domains. <i>Biochemical Journal</i> , 2018 , 475, 3377-3391	3.8	5
7	Engineering glutathione S-transferase with a point mutation at conserved F136 residue increases the xenobiotic-metabolizing activity. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 1117-1126	7.9	3
6	Conserved Arg451 residue is critical for maintaining the stability and activity of thioredoxin glutathione reductase. <i>Archives of Biochemistry and Biophysics</i> , 2019 , 674, 108098	4.1	2
5	Role of the glutaredoxin domain and FAD in the stabilization of thioredoxin glutathione reductase. <i>Archives of Biochemistry and Biophysics</i> , 2018 , 656, 38-45	4.1	2
4	Cdc15 Phosphorylates the C-terminal Domain of RNA Polymerase II for Transcription during Mitosis. <i>Journal of Biological Chemistry</i> , 2017 , 292, 5507-5518	5.4	1
3	nucleoside diphosphate kinase shows interaction with putative ATP binding cassette (ABC) transporter, Rv1273c. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 1083-1093	3.6	1
2	Point mutation A394E in the central intrinsic disordered region of Rna14 leads to chromosomal instability in fission yeast. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 785-791	7.9	
1	The C-terminus hot spot region helps in the fibril formation of bacteriophage-associated hyaluronate lyase (HylP2). <i>Scientific Reports</i> , 2015 , 5, 14429	4.9	