Harish Shukla

List of Publications by Year in Descending Order

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	Structure-based discovery of phenyl-diketo acids derivatives as malate synthase inhibitors. *Journal of Biomolecular Structure and Dynamics*, **2021**, 39, 2945-2958	3.6	8
29	Design of a multi-epitope subunit vaccine for immune-protection against Leishmania parasite. *Pathogens and Global Health*, **2020**, 114, 471-481	3.1	11
28	Draft Genome of the Liver Fluke. *ACS Omega*, **2020**, 5, 11084-11091	3.9	14
27	Engineering glutathione S-transferase with a point mutation at conserved F136 residue increases the xenobiotic-metabolizing activity. *International Journal of Biological Macromolecules*, **2020**, 163, 1117-1126	7.9	3
26	nucleoside diphosphate kinase shows interaction with putative ATP binding cassette (ABC) transporter, Rv1273c. *Journal of Biomolecular Structure and Dynamics*, **2020**, 38, 1083-1093	3.6	1
25	Conserved Arg451 residue is critical for maintaining the stability and activity of thioredoxin glutathione reductase. *Archives of Biochemistry and Biophysics*, **2019**, 674, 108098	4.1	2
24	Portrait of the Intrinsically Disordered Side of the HTLV-1 Proteome. *ACS Omega*, **2019**, 4, 10003-10018	3.9	7
23	Development of multi-epitope driven subunit vaccine against Fasciola gigantica using immunoinformatics approach. *International Journal of Biological Macromolecules*, **2019**, 138, 224-233	7.9	39
22	Unfolding of Acinetobacter baumannii MurA proceeds through a metastable intermediate: A combined spectroscopic and computational investigation. *International Journal of Biological Macromolecules*, **2019**, 126, 941-951	7.9	5
21	Activity loss by H46A mutation in Mycobacterium tuberculosis isocitrate lyase is due to decrease in structural plasticity and collective motions of the active site. *Tuberculosis*, **2018**, 108, 143-150	2.6	26
20	Aminoacyl-tRNA synthetases: Structure, function, and drug discovery. *International Journal of Biological Macromolecules*, **2018**, 111, 400-414	7.9	51
19	Biochemical and thermodynamic comparison of the selenocysteine containing and non-containing thioredoxin glutathione reductase of Fasciola gigantica. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 1306-1316	4	11
18	Structure-based screening and molecular dynamics simulations offer novel natural compounds as potential inhibitors of Mycobacterium tuberculosis isocitrate lyase. *Journal of Biomolecular Structure and Dynamics*, **2018**, 36, 2045-2057	3.6	46
17	Identification of potential inhibitors of Fasciola gigantica thioredoxin1: computational screening, molecular dynamics simulation, and binding free energy studies. *Journal of Biomolecular Structure and Dynamics*, **2018**, 36, 2147-2162	3.6	37
16	Structural insights into natural compounds as inhibitors of Fasciola gigantica thioredoxin glutathione reductase. *Journal of Cellular Biochemistry*, **2018**, 119, 3067-3080	4.7	30
15	Point mutation A394E in the central intrinsic disordered region of Rna14 leads to chromosomal instability in fission yeast. *International Journal of Biological Macromolecules*, **2018**, 119, 785-791	7.9	
14	Alternate pathway to ascorbate induced inhibition of Mycobacterium tuberculosis. *Tuberculosis*, **2018**, 111, 161-169	2.6	12

13	Structural and energetic understanding of novel natural inhibitors of Mycobacterium tuberculosis malate synthase. *Journal of Cellular Biochemistry*, **2018**, 120, 2469	4.7	18
12	Structure-function studies of the asparaginyl-tRNA synthetase from understanding the role of catalytic and non-catalytic domains. *Biochemical Journal*, **2018**, 475, 3377-3391	3.8	5
11	Role of the glutaredoxin domain and FAD in the stabilization of thioredoxin glutathione reductase. *Archives of Biochemistry and Biophysics*, **2018**, 656, 38-45	4.1	2
10	UDP-N-Acetylglucosamine enolpyruvyl transferase (MurA) of Acinetobacter baumannii (AbMurA): Structural and functional properties. *International Journal of Biological Macromolecules*, **2017**, 97, 106-114	7.9	26
9	Cdc15 Phosphorylates the C-terminal Domain of RNA Polymerase II for Transcription during Mitosis. *Journal of Biological Chemistry*, **2017**, 292, 5507-5518	5.4	1
8	Salt-regulated reversible fibrillation of Mycobacterium tuberculosis isocitrate lyase: Concurrent restoration of structure and activity. *International Journal of Biological Macromolecules*, **2017**, 104, 89-96	7.9	5
7	Alterations in conformational topology and interaction dynamics caused by L418A mutation leads to activity loss of Mycobacterium tuberculosis isocitrate lyase. *Biochemical and Biophysical Research Communications*, **2017**, 490, 276-282	3.4	43
6	Distant Phe345 mutation compromises the stability and activity of Mycobacterium tuberculosis isocitrate lyase by modulating its structural flexibility. *Scientific Reports*, **2017**, 7, 1058	4.9	53
5	Comprehensive analysis of the catalytic and structural properties of a mu-class glutathione s-transferase from Fasciola gigantica. *Scientific Reports*, **2017**, 7, 17547	4.9	15
4	A combined biochemical and computational studies of the rho-class glutathione s-transferase sll1545 of Synechocystis PCC 6803. *International Journal of Biological Macromolecules*, **2017**, 94, 378-385	7.9	31
3	Isocitrate lyase of Mycobacterium tuberculosis is inhibited by quercetin through binding at N-terminus. *International Journal of Biological Macromolecules*, **2015**, 78, 137-41	7.9	28
2	The C-terminus hot spot region helps in the fibril formation of bacteriophage-associated hyaluronate lyase (HylP2). *Scientific Reports*, **2015**, 5, 14429	4.9	
1	Insight into the structural flexibility and function of Mycobacterium tuberculosis isocitrate lyase. *Biochimie*, **2015**, 110, 73-80	4.6	18