

# Mohd Ishtikhar

## List of Publications by Year in Descending Order

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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.

26

papers

875

citations

16

h-index

28

g-index

28

ext. papers

981

ext. citations

5.6

avg, IF

4.17

L-index

#	Paper	IF	Citations
26	Phytochemical thymoquinone prevents hemoglobin glycooxidation and protofibrils formation: A biophysical aspect. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 190, 508-519	7.9	
25	Comparative refolding of guanidinium hydrochloride denatured bovine serum albumin assisted by cationic and anionic surfactants via artificial chaperone protocol: Biophysical insight. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 225, 117510	4.4	6
24	Biophysical insights into the interaction of clofazimine with human alpha 1-acid glycoprotein: a multitechnique approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2019</b> , 37, 1390-1401	3.6	10
23	d-Ribose induced glycooxidative insult to hemoglobin protein: An approach to spot its structural perturbations. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 112, 134-147	7.9	16
22	Biophysical insight reveals tannic acid as amyloid inducer and conformation transformer from amorphous to amyloid aggregates in Concanavalin A (ConA). <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 1261-1273	3.6	8
21	A mechanistic insight into protein-ligand interaction, folding, misfolding, aggregation and inhibition of protein aggregates: An overview. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 1115-1129	7.9	32
20	Biophysical insight into the interaction mechanism of plant derived polyphenolic compound tannic acid with homologous mammalian serum albumins. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 2450-2464	7.9	30
19	Spectroscopic studies on the comparative refolding of guanidinium hydrochloride denatured hen egg-white lysozyme and <i>Rhizopus niveus</i> lipase assisted by cationic single-chain/gemini surfactants via artificial chaperone protocol. <i>RSC Advances</i> , <b>2017</b> , 7, 28452-28460	3.7	12
18	Polyols (Glycerol and Ethylene glycol) mediated amorphous aggregate inhibition and secondary structure restoration of metalloproteinase-conalbumin (ovotransferrin). <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 290-300	7.9	28
17	Biophysical and molecular docking insight into interaction mechanism and thermal stability of human serum albumin isoforms with a semi-synthetic water-soluble camptothecin analog irinotecan hydrochloride. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 1545-60	3.6	14
16	Effect of guanidine hydrochloride and urea on the interaction of 6-thioguanine with human serum albumin: a spectroscopic and molecular dynamics based study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 1409-20	3.6	19
15	Temperature dependent rapid annealing effect induces amorphous aggregation of human serum albumin. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 82, 844-55	7.9	15
14	Anti-aggregation property of thymoquinone induced by copper-nanoparticles: A biophysical approach. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 1174-1182	7.9	11
13	Biophysical investigation of thymoquinone binding to N1 and B1 isoforms of human serum albumin: exploring the interaction mechanism and radical scavenging activity. <i>RSC Advances</i> , <b>2015</b> , 5, 18218-18232	3.7	76
12	Non-fluorinated cosolvents: A potent amorphous aggregate inducer of metalloproteinase-conalbumin (ovotransferrin). <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 78, 417-28	7.9	31
11	Inhibitory effect of copper nanoparticles on rosin modified surfactant induced aggregation of lysozyme. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 78, 379-88	7.9	23
10	Fructosylation generates neo-epitopes on human serum albumin. <i>IUBMB Life</i> , <b>2015</b> , 67, 338-47	4.7	16

9	Interaction of biocompatible natural rosin-based surfactants with human serum albumin: A biophysical study. <i>Journal of Luminescence</i> , <b>2015</b> , 167, 399-407	3.8	22
8	Secondary structural changes in guanidinium hydrochloride denatured mammalian serum albumins and protective effect of small amounts of cationic gemini surfactant pentanediyl- $\beta$ -bis(cetyldimethylammonium bromide) and methyl- $\beta$ -cyclodextrin: A spectroscopic study. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 439, 170-6	9.3	19
7	Elucidating the interaction of limonene with bovine serum albumin: a multi-technique approach. <i>Molecular BioSystems</i> , <b>2015</b> , 11, 307-16		190
6	Thermal induced unfolding of human serum albumin isomers: assigning residual $\beta$ helices to domain II. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 75, 447-52	7.9	32
5	Rosin Surfactant QRMAE Can Be Utilized as an Amorphous Aggregate Inducer: A Case Study of Mammalian Serum Albumin. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139027	3.7	20
4	Interaction of 5-fluoro-5'-deoxyuridine with human serum albumin under physiological and non-physiological condition: a biophysical investigation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 123, 469-77	6	76
3	Interaction of the 5-fluorouracil analog 5-fluoro-2'-deoxyuridine with 'N' and 'B' isoforms of human serum albumin: a spectroscopic and calorimetric study. <i>Molecular BioSystems</i> , <b>2014</b> , 10, 2954-64		53
2	Protonation favors aggregation of lysozyme with SDS. <i>Soft Matter</i> , <b>2014</b> , 10, 2591-9	3.6	81
1	Revisiting ligand-induced conformational changes in proteins: essence, advancements, implications and future challenges. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2013</b> , 31, 630-48	3.6	35