

Rizwan H Khan

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.

40
papers

959
citations

18
h-index

30
g-index

45
ext. papers

1,065
ext. citations

5
avg, IF

4.36
L-index

#	Paper	IF	Citations
40	A comprehensive insight into binding of hippuric acid to human serum albumin: a study to uncover its impaired elimination through hemodialysis. <i>PLoS ONE</i> , 2013 , 8, e71422	3.7	102
39	Biophysical insight into furosemide binding to human serum albumin: a study to unveil its impaired albumin binding in uremia. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 2595-604	3.4	93
38	Comparative insight into surfactants mediated amyloidogenesis of lysozyme. <i>International Journal of Biological Macromolecules</i> , 2016 , 83, 315-25	7.9	60
37	Interaction of new kinase inhibitors cabozantinib and tofacitinib with human serum alpha-1 acid glycoprotein. A comprehensive spectroscopic and molecular Docking approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 159, 199-208	4.4	59
36	Investigating the site selective binding of busulfan to human serum albumin: Biophysical and molecular docking approaches. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 1414-1421	7.9	58
35	A Comprehensive Spectroscopic and Computational Investigation to Probe the Interaction of Antineoplastic Drug Nordihydroguaiaretic Acid with Serum Albumins. <i>PLoS ONE</i> , 2016 , 11, e0158833	3.7	48
34	Probing the interaction of cephalosporin antibiotic-ceftazidime with human serum albumin: A biophysical investigation. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 292-299	7.9	46
33	Interaction of anticancer drug clofarabine with human serum albumin and human α 1 acid glycoprotein. Spectroscopic and molecular docking approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 135, 106-115	3.5	40
32	Insight into the interaction of antitubercular and anticancer compound clofazimine with human serum albumin: spectroscopy and molecular modelling. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 46-57	3.6	39
31	Biophysical insights into the interaction of hen egg white lysozyme with therapeutic dye clofazimine: modulation of activity and SDS induced aggregation of model protein. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 2197-2210	3.6	33
30	Fibrillogenesis of human serum albumin in the presence of levodopa - spectroscopic, calorimetric and microscopic studies. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 301-308	7.9	31
29	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> , 2018 , 107, 2450-2464	7.9	30
28	A biophysical and computational study unraveling the molecular interaction mechanism of a new Janus kinase inhibitor Tofacitinib with bovine serum albumin. <i>Journal of Molecular Recognition</i> , 2017 , 30, e2601	2.6	29
27	Elucidating the Inhibitory Potential of Designed Peptides Against Amyloid Fibrillation and Amyloid Associated Cytotoxicity. <i>Frontiers in Chemistry</i> , 2018 , 6, 311	5	24
26	Differential mode of interaction of ThioflavinT with native β structural motif in human α 1-acid glycoprotein and cross beta sheet of its amyloid: Biophysical and molecular docking approach. <i>Journal of Molecular Structure</i> , 2016 , 1117, 208-217	3.4	23
25	Repositioning nordihydroguaiaretic acid as a potent inhibitor of systemic amyloidosis and associated cellular toxicity. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 612, 78-90	4.1	20
24	Interaction studies of a novel Co(II)-based potential chemotherapeutic agent with human serum albumin (HSA) employing biophysical techniques. <i>Medicinal Chemistry Research</i> , 2010 , 19, 794-807	2.2	20

23	Surfactant-mediated amyloidogenesis behavior of stem bromelain; a biophysical insight. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 1407-1419	3.6	18
22	The Impact of COVID-19 Management Policies Tailored to Airborne SARS-CoV-2 Transmission: Policy Analysis. <i>JMIR Public Health and Surveillance</i> , 2021 , 7, e20699	11.4	18
21	An interplay of structure and intrinsic disorder in the functionality of peptidylarginine deiminases, a family of key autoimmunity-related enzymes. <i>Cellular and Molecular Life Sciences</i> , 2019 , 76, 4635-4662	10.3	16
20	Ion-dipole induced interaction between cationic gemini/TTAB and nonionic (Tween) surfactants: interfacial and microstructural phenomena. <i>RSC Advances</i> , 2013 , 3, 6945	3.7	16
19	Multi-spectroscopic and molecular docking technique study of the azelastine interaction with human serum albumin. <i>Journal of Molecular Structure</i> , 2020 , 1201, 127147	3.4	16
18	Elucidating the interaction of clofazimine with bovine liver catalase; a comprehensive spectroscopic and molecular docking approach. <i>Journal of Molecular Recognition</i> , 2017 , 30, e2619	2.6	14
17	Interaction of catecholamine precursor L-Dopa with lysozyme: A biophysical insight. <i>International Journal of Biological Macromolecules</i> , 2018 , 109, 1132-1139	7.9	13
16	Cysteine as a potential anti-amyloidogenic agent with protective ability against amyloid induced cytotoxicity. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 556-565	7.9	12
15	Harmful effect of detergents on lipase. <i>Cell Biochemistry and Biophysics</i> , 2014 , 70, 759-63	3.2	11
14	Anti-Parkinsonian L-Dopa can also act as anti-systemic amyloidosis-A mechanistic exploration. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 630-640	7.9	10
13	Biophysical insights into the interaction of clofazimine with human alpha 1-acid glycoprotein: a multitechnique approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 1390-1401	3.6	10
12	Interaction of the recently approved anticancer drug nintedanib with human acute phase reactant α -acid glycoprotein. <i>Journal of Molecular Structure</i> , 2016 , 1115, 171-179	3.4	9
11	Sauromatum guttatum lectin: Spectral studies, lectin-carbohydrate interaction, molecular cloning and in silico analysis. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1267-1279	7.9	8
10	Unravelling the inhibitory and cytoprotective potential of diuretics towards amyloid fibrillation. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 1258-1271	7.9	7
9	Amino group of salicylic acid exhibits enhanced inhibitory potential against insulin amyloid fibrillation with protective aptitude toward amyloid induced cytotoxicity. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 3945-3956	4.7	7
8	In Vitro Elucidation of the Folding Intermediates and Aggregate Formation of Hemoglobin Induced by Acetonitrile: A Multispectroscopic Approach. <i>Protein and Peptide Letters</i> , 2016 , 23, 884-891	1.9	5
7	Multifunctionality and intrinsic disorder of royal jelly proteome. <i>Proteomics</i> , 2021 , 21, e2000237	4.8	4
6	Luteolin Causes 5fCpG Demethylation of the Promoters of TSGs and Modulates the Aberrant Histone Modifications, Restoring the Expression of TSGs in Human Cancer Cells.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	2

5	Mechanistic In Vitro Dissection of the Inhibition of Amyloid Fibrillation by -Acetylneuraminic Acid: Plausible Implication in Therapeutics for Neurodegenerative Disorders. <i>ACS Chemical Neuroscience</i> , 2021 ,	5.7	2
4	Biophysical Insight into the Interaction of Human Lysozyme with Anticancer Drug Anastrozole: A Multitechnique Approach. <i>Scientific World Journal, The</i> , 2020 , 2020, 8363685	2.2	1
3	On the binding reaction of loratadine with human serum acute phase protein alpha 1-acid glycoprotein. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-8	3.6	1
2	Biophysical insight into the interaction of levocabastine with human serum albumin: spectroscopy and molecular docking approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 1525-1534	3.6	1
1	Mechanistic insight into inhibition of amyloid fibrillation of human serum albumin by Vildagliptin.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 216, 112563	6	