

# Rizwan H Khan

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,189  
citations

361045

20  
h-index

377514

34  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1416  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive Insight into Binding of Hippuric Acid to Human Serum Albumin: A Study to Uncover Its Impaired Elimination through Hemodialysis. PLoS ONE, 2013, 8, e71422.	1.1	121
2	Biophysical Insight into Furosemide Binding to Human Serum Albumin: A Study To Unveil Its Impaired Albumin Binding in Uremia. Journal of Physical Chemistry B, 2013, 117, 2595-2604.	1.2	104
3	Investigating the site selective binding of busulfan to human serum albumin: Biophysical and molecular docking approaches. International Journal of Biological Macromolecules, 2018, 107, 1414-1421.	3.6	73
4	Interaction of new kinase inhibitors cabozantinib and tofacitinib with human serum alpha-1 acid glycoprotein. A comprehensive spectroscopic and molecular Docking approach. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 159, 199-208.	2.0	69
5	Comparative insight into surfactants mediated amyloidogenesis of lysozyme. International Journal of Biological Macromolecules, 2016, 83, 315-325.	3.6	68
6	A Comprehensive Spectroscopic and Computational Investigation to Probe the Interaction of Antineoplastic Drug Nordihydroguaiaretic Acid with Serum Albumins. PLoS ONE, 2016, 11, e0158833.	1.1	62
7	Probing the interaction of cephalosporin antibiotic cefazidime with human serum albumin: A biophysical investigation. International Journal of Biological Macromolecules, 2017, 105, 292-299.	3.6	56
8	Interaction of anticancer drug clofarabine with human serum albumin and human $\alpha$ -1 acid glycoprotein. Spectroscopic and molecular docking approach. Journal of Pharmaceutical and Biomedical Analysis, 2017, 135, 106-115.	1.4	50
9	Insight into the interaction of antitubercular and anticancer compound clofazimine with human serum albumin: spectroscopy and molecular modelling. Journal of Biomolecular Structure and Dynamics, 2017, 35, 46-57.	2.0	44
10	Elucidating the Inhibitory Potential of Designed Peptides Against Amyloid Fibrillation and Amyloid Associated Cytotoxicity. Frontiers in Chemistry, 2018, 6, 311.	1.8	39
11	Biophysical insights into the interaction of hen egg white lysozyme with therapeutic dye clofazimine: modulation of activity and SDS induced aggregation of model protein. Journal of Biomolecular Structure and Dynamics, 2017, 35, 2197-2210.	2.0	38
12	Fibrillogenesis of human serum albumin in the presence of levodopa – spectroscopic, calorimetric and microscopic studies. International Journal of Biological Macromolecules, 2017, 94, 301-308.	3.6	38
13	Biophysical insight into the interaction mechanism of plant derived polyphenolic compound tannic acid with homologous mammalian serum albumins. International Journal of Biological Macromolecules, 2018, 107, 2450-2464.	3.6	37
14	A biophysical and computational study unraveling the molecular interaction mechanism of a new Janus kinase inhibitor Tofacitinib with bovine serum albumin. Journal of Molecular Recognition, 2017, 30, e2601.	1.1	33
15	An interplay of structure and intrinsic disorder in the functionality of peptidylarginine deiminases, a family of key autoimmunity-related enzymes. Cellular and Molecular Life Sciences, 2019, 76, 4635-4662.	2.4	27
16	Multi-spectroscopic and molecular docking technique study of the azelastine interaction with human serum albumin. Journal of Molecular Structure, 2020, 1201, 127147.	1.8	26
17	Differential mode of interaction of ThioflavinT with native $\beta$ 2 structural motif in human $\alpha$ 1-acid glycoprotein and cross beta sheet of its amyloid: Biophysical and molecular docking approach. Journal of Molecular Structure, 2016, 1117, 208-217.	1.8	25
18	The Impact of COVID-19 Management Policies Tailored to Airborne SARS-CoV-2 Transmission: Policy Analysis. JMIR Public Health and Surveillance, 2021, 7, e20699.	1.2	23

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19	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.	1.1	21
20	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.	1.4	21
21	Interaction of catecholamine precursor L-Dopa with lysozyme: A biophysical insight. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 1132-1139.	3.6	19
22	Ion-dipole induced interaction between cationic gemini/TTAB and nonionic (Tween) surfactants: interfacial and microstructural phenomena. <i>RSC Advances</i> , 2013, 3, 6945.	1.7	18
23	Surfactant-mediated amyloidogenesis behavior of stem bromelain; a biophysical insight. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 1407-1419.	2.0	18
24	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.	1.1	18
25	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.	3.6	17
26	Harmful Effect of Detergents on Lipase. <i>Cell Biochemistry and Biophysics</i> , 2014, 70, 759-763.	0.9	13
27	Interaction of the recently approved anticancer drug nintedanib with human acute phase reactant $\alpha$ 1-acid glycoprotein. <i>Journal of Molecular Structure</i> , 2016, 1115, 171-179.	1.8	13
28	Unravelling the inhibitory and cytoprotective potential of diuretics towards amyloid fibrillation. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 1258-1271.	3.6	13
29	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.	3.6	12
30	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.	3.6	12
31	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.	2.0	11
32	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.	1.2	10
33	Luteolin Causes 5mCpG 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, 4067.	1.8	10
34	Multifunctionality and intrinsic disorder of royal jelly proteome. <i>Proteomics</i> , 2021, 21, e2000237.	1.3	5
35	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.	0.4	5
36	On the binding reaction of loratadine with human serum acute phase protein $\alpha$ 1-acid glycoprotein. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 9484-9491.	2.0	4

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37	Mechanistic In Vitro Dissection of the Inhibition of Amyloid Fibrillation by <i>n</i> -Acetylneuraminic Acid: Plausible Implication in Therapeutics for Neurodegenerative Disorders. ACS Chemical Neuroscience, 2022, 13, 69-80.	1.7	4
38	Biophysical Insight into the Interaction of Human Lysozyme with Anticancer Drug Anastrozole: A Multitechnique Approach. Scientific World Journal, The, 2020, 2020, 1-7.	0.8	3
39	Mechanistic insight into inhibition of amyloid fibrillation of human serum albumin by Vildagliptin. Colloids and Surfaces B: Biointerfaces, 2022, 216, 112563.	2.5	3
40	Biophysical insight into the interaction of levocabastine with human serum albumin: spectroscopy and molecular docking approach. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1525-1534.	2.0	2