

# Mohammad Khursheed Siddiqi

## 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.

52 papers	1,562 citations	22 h-index	38 g-index
56 ext. papers	1,806 ext. citations	5.3 avg, IF	4.96 L-index

#	Paper	IF	Citations
52	Vitamin k3 inhibits protein aggregation: Implication in the treatment of amyloid diseases. <i>Scientific Reports</i> , <b>2016</b> , 6, 26759	4.9	123
51	Biophysical and molecular docking insight into the interaction of cytosine D arabinofuranoside with human serum albumin. <i>Journal of Luminescence</i> , <b>2015</b> , 164, 123-130	3.8	115
50	Protein aggregation: From background to inhibition strategies. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 103, 208-219	7.9	102
49	Ascorbic acid inhibits human insulin aggregation and protects against amyloid induced cytotoxicity. <i>Archives of Biochemistry and Biophysics</i> , <b>2017</b> , 621, 54-62	4.1	95
48	Protein misfolding and aggregation: Mechanism, factors and detection. <i>Process Biochemistry</i> , <b>2016</b> , 51, 1183-1192	4.8	83
47	Vitamin B12 offers neuronal cell protection by inhibiting A $\beta$ 42 amyloid fibrillation. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 99, 477-482	7.9	82
46	Biophysical insight into the anti-amyloidogenic behavior of taurine. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 80, 375-84	7.9	60
45	Comparative insight into surfactants mediated amyloidogenesis of lysozyme. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 83, 315-25	7.9	60
44	Attenuation of amyloid fibrillation in presence of Warfarin: A biophysical investigation. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 95, 713-718	7.9	59
43	Investigating the site selective binding of busulfan to human serum albumin: Biophysical and molecular docking approaches. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 1414-1421	7.9	58
42	Anti-amyloidogenic behavior and interaction of Diallylsulfide with Human Serum Albumin. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 92, 1220-1228	7.9	58
41	A Comprehensive Spectroscopic and Computational Investigation to Probe the Interaction of Antineoplastic Drug Nordihydroguaiaretic Acid with Serum Albumins. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158833	3.7	48
40	Probing the interaction of cephalosporin antibiotic-ceftazidime with human serum albumin: A biophysical investigation. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 292-299	7.9	46
39	Capreomycin inhibits the initiation of amyloid fibrillation and suppresses amyloid induced cell toxicity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2018</b> , 1866, 549-557	4	44
38	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> , <b>2017</b> , 35, 46-57	3.6	39
37	Probing the binding of phenolic aldehyde vanillin with bovine serum albumin: Evidence from spectroscopic and docking approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 203, 40-47	4.4	38
36	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> , <b>2017</b> , 35, 2197-2210	3.6	33

35	Fibrillogenesis of human serum albumin in the presence of levodopa - spectroscopic, calorimetric and microscopic studies. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 301-308	7.9	31
34	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
33	Elucidating the Inhibitory Potential of Designed Peptides Against Amyloid Fibrillation and Amyloid Associated Cytotoxicity. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 311	5	24
32	Comparative binding study of anti-tuberculosis drug pyrazinamide with serum albumins. <i>RSC Advances</i> , <b>2016</b> , 6, 85860-85869	3.7	23
31	Mechanisms of protein aggregation and inhibition. <i>Frontiers in Bioscience - Elite</i> , <b>2017</b> , 9, 1-20	1.6	23
30	Elucidating the inhibitory potential of Vitamin A against fibrillation and amyloid associated cytotoxicity. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 129, 333-338	7.9	20
29	Repositioning nordihydroguaiaretic acid as a potent inhibitor of systemic amyloidosis and associated cellular toxicity. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 612, 78-90	4.1	20
28	Molecular basis of the inhibition and disaggregation of thermally-induced amyloid fibrils of human serum albumin by an anti-Parkinson's drug, benserazide hydrochloride. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 278, 553-567	6	18
27	Elucidating the binding propensity of naphthyl hydroxamic acid to human serum albumin (HSA): Multi-spectroscopic and molecular modeling approach. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1184, 1-11	3.4	18
26	An In Vitro elucidation of the antiaggregatory potential of Diosmin over thermally induced unfolding of hen egg white lysozyme; A preventive quest for lysozyme amyloidosis. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 129, 1015-1023	7.9	18
25	Molecular docking of A $\beta$ peptide and its Iowa DN mutant using small molecule inhibitors: Possible mechanisms of A $\beta$ peptide inhibition. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 127, 250-270	7.9	17
24	Multi-spectroscopic and molecular docking technique study of the azelastine interaction with human serum albumin. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1201, 127147	3.4	16
23	Stabilizing proteins to prevent conformational changes required for amyloid fibril formation. <i>Journal of Cellular Biochemistry</i> , <b>2018</b> , 120, 2642	4.7	15
22	Effect of surfactants on Ra-sHSP17A small heat shock protein from the cattle tick <i>Rhipicephalus annulatus</i> . <i>Journal of Molecular Structure</i> , <b>2016</b> , 1119, 12-17	3.4	14
21	Interaction of catecholamine precursor L-Dopa with lysozyme: A biophysical insight. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 1132-1139	7.9	13
20	Mechanisms of protein misfolding: Novel therapeutic approaches to protein-misfolding diseases. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1123, 311-326	3.4	11
19	Exploring the intermolecular interactions and contrasting binding of flufenamic acid with hemoglobin and lysozyme: A biophysical and docking insight. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 116, 1105-1118	7.9	11
18	Anti-Parkinsonian L-Dopa can also act as anti-systemic amyloidosis-A mechanistic exploration. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 99, 630-640	7.9	10

17	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
16	Cytotoxic species in amyloid-associated diseases: Oligomers or mature fibrils. <i>Advances in Protein Chemistry and Structural Biology</i> , <b>2019</b> , 118, 333-369	5.3	9
15	Biophysical Elucidation of Amyloid Fibrillation Inhibition and Prevention of Secondary Nucleation by Cholic Acid: An Unexplored Function of Cholic Acid. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 4704-4715	5.7	9
14	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
13	Explication of bovine serum albumin binding with naphthyl hydroxamic acids using a multispectroscopic and molecular docking approach along with its antioxidant activity. <i>Luminescence</i> , <b>2019</b> , 34, 628-643	2.5	7
12	Unravelling the inhibitory and cytoprotective potential of diuretics towards amyloid fibrillation. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 150, 1258-1271	7.9	7
11	Exploring the DNA binding efficacy of Cobalt(II) and Copper(II) complexes of hydroxamic acids and explicating their anti-cancer propensity. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1197, 691-706	3.4	6
10	Cationic surfactant mediated fibrillogenesis in bovine liver catalase: a biophysical approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 2543-2557	3.6	6
9	Amyloid Oligomers, Protofibrils and Fibrils. <i>Sub-Cellular Biochemistry</i> , <b>2019</b> , 93, 471-503	5.5	5
8	Anti-tuberculosic thionamide antibiotics show antioxidative and neuronal cytoprotective nature by inhibiting amyloid formation in human insulin and amyloid $\beta$ 42. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 326, 115396	6	5
7	DARK Classics in Chemical Neuroscience: Opium, a Friend or Foe. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 182-189	5.7	5
6	Both beta sheet breaker and alpha helix forming pentapeptide inhibits protein fibrillation: Implication for the treatment of amyloid disorders. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 143, 102-111	7.9	3
5	Structurally distinct external solvent-exposed domains drive replication of major human prions. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009642	7.6	2
4	On the binding reaction of loratadine with human serum acute phase protein alpha 1-acid glycoprotein. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-8	3.6	1
3	Biophysical insight into the interaction of levocabastine with human serum albumin: spectroscopy and molecular docking approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 1525-1534	3.6	1
2	Interaction of cobalt(II) and copper(II) hydroxamates with polyriboadenylic acid: An insight into RNA based drug designing. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2019</b> , 38, 481-508	1.4	0
1	Mechanistic insight into inhibition of amyloid fibrillation of human serum albumin by Vildagliptin.. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2022</b> , 216, 112563	6	