Aabgeena Naeem

List of Publications by Citations

49 papers	877 citations	19 h-index	27 g-index
49 ext. papers	956 ext. citations	4.7 avg, IF	4.64 L-index

#	Paper	IF	Citations
49	Molten globule of hemoglobin proceeds into aggregates and advanced glycated end products. *PLoS ONE*, **2013**, 8, e72075	3.7	68
48	Defective protein folding and aggregation as the basis of neurodegenerative diseases: the darker aspect of proteins. *Cell Biochemistry and Biophysics*, **2011**, 61, 237-50	3.2	52
47	Characterization of molten globule state of cytochrome c at alkaline, native and acidic pH induced by butanol and SDS. *International Journal of Biochemistry and Cell Biology*, **2004**, 36, 2281-92	5.6	48
46	Anti-fibrillation potency of caffeic acid against an antidepressant induced fibrillogenesis of human -synuclein: Implications for Parkinsons disease. *Biochimie*, **2015**, 108, 178-85	4.6	39
45	Probing the binding of phenolic aldehyde vanillin with bovine serum albumin: Evidence from spectroscopic and docking approach. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 203, 40-47	4.4	38
44	Characterization of a partially folded intermediate of papain induced by fluorinated alcohols at low pH. *Archives of Biochemistry and Biophysics*, **2004**, 432, 79-87	4.1	34
43	Deciphering structural intermediates and genotoxic fibrillar aggregates of albumins: a molecular mechanism underlying for degenerative diseases. *PLoS ONE*, **2013**, 8, e54061	3.7	34
42	Detection and analysis of protofibrils and fibrils of hemoglobin: implications for the pathogenesis and cure of heme loss related maladies. *Archives of Biochemistry and Biophysics*, **2013**, 533, 69-78	4.1	33
41	Induction of amyloidogenicity in wild type HEWL by a dialdehyde: analysis involving multi dimensional approach. *International Journal of Biological Macromolecules*, **2014**, 64, 36-44	7.9	30
40	Glycation promotes the formation of genotoxic aggregates in glucose oxidase. *Amino Acids*, **2012**, 43, 1311-22	3.5	29
39	Glycoprotein targeting and other applications of lectins in biotechnology. *Current Protein and Peptide Science*, **2007**, 8, 261-71	2.8	29
38	Anti-fibrillation propensity of a flavonoid baicalein against the fibrils of hen egg white lysozyme: potential therapeutics for lysozyme amyloidosis. *Journal of Biomolecular Structure and Dynamics*, **2016**, 34, 2102-14	3.6	24
37	Equilibrium studies of cellulase aggregates in presence of ascorbic and boric acid. *International Journal of Biological Macromolecules*, **2013**, 52, 286-95	7.9	24
36	In vitro hyperglycemic condition facilitated the aggregation of lysozyme via the passage through a molten globule state. *Cell Biochemistry and Biophysics*, **2013**, 66, 265-75	3.2	22
35	Anesthetic 2,2,2-trifluoroethanol induces amyloidogenesis and cytotoxicity in human serum albumin. *International Journal of Biological Macromolecules*, **2015**, 79, 726-35	7.9	21
34	Trifluoroethanol and acetonitrile induced formation of the molten globule states and aggregates of cellulase. *International Journal of Biological Macromolecules*, **2012**, 50, 932-8	7.9	21
33	Partially folded intermediate state of concanavalin A retains its carbohydrate specificity. *Biochemical and Biophysical Research Communications*, **2005**, 331, 1284-94	3.4	21

32	Detection and analysis of amorphous aggregates and fibrils of cytochrome c in the presence of phenolic acids. *International Journal of Biological Macromolecules*, **2013**, 58, 104-12	7.9	20
31	Acetonitrile can promote formation of different structural intermediate states on aggregation pathway of immunoglobulin G from human and bovine. *International Journal of Biological Macromolecules*, **2011**, 49, 71-8	7.9	19
30	Characterization of partially folded intermediates of papain in presence of cationic, anionic, and nonionic detergents at low pH. *Biopolymers*, **2006**, 83, 1-10	2.2	19
29	Aggregation of globular protein as a consequences of macromolecular crowding: A time and concentration dependent study. *International Journal of Biological Macromolecules*, **2018**, 108, 360-366	7.9	19
28	Deciphering aggregates, prefibrillar oligomers and protofibrils of cytochrome c. *Amino Acids*, **2014**, 46, 1839-51	3.5	17
27	Inhibition of advanced glycation end products by isoferulic acid and its free radical scavenging capacity: An in vitro and molecular docking study. *International Journal of Biological Macromolecules* , **2018**, 118, 1479-1487	7.9	17
26	Aloe emodin, an anthroquinone from Aloe vera acts as an anti aggregatory agent to the thermally aggregated hemoglobin. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 179, 188-193	4.4	16
25	Purification and characterization of a novel beta-D-galactosides-specific lectin from Clitoria ternatea. *Protein Journal*, **2007**, 26, 403-13	3.9	16
24	Aggregation as a consequence of glycation: insight into the pathogenesis of arthritis. *European Biophysics Journal*, **2016**, 45, 523-34	1.9	15
23	Aggregation of intrinsically disordered fibrinogen as the influence of backbone conformation. *Archives of Biochemistry and Biophysics*, **2016**, 603, 38-47	4.1	15
22	Understanding protein folding from globular to amyloid state: Aggregation: Darker side of protein. *Process Biochemistry*, **2013**, 48, 1651-1664	4.8	14
21	Existence of different structural intermediates and aggregates on the folding pathway of ovalbumin. *Journal of Fluorescence*, **2012**, 22, 47-57	2.4	13
20	Thermal unfolding of human lysozyme induces aggregation: Recognition of the aggregates by antisera against the native protein. *International Journal of Biological Macromolecules*, **2018**, 113, 976-982	7.9	10
19	Green synthesis of silver nanoparticles, its characterization, and chaperone-like activity in the aggregation inhibition of α-chymotrypsinogen A. *International Journal of Biological Macromolecules*, **2018**, 120, 2381-2389	7.9	10
18	Conformational states of trifluoroacetic acid-treated cytochrome c in the presence of salts and alcohols. *Protein Journal*, **2004**, 23, 185-95	3.9	9
17	Secondary structural alterations in glucoamylase as an influence of protein aggregation. *International Journal of Biological Macromolecules*, **2017**, 98, 459-468	7.9	8
16	Serotonin abrogates dopamine induced aggregation of cytochrome c. *International Journal of Biological Macromolecules*, **2017**, 102, 893-900	7.9	8
15	Peroxidase improves the activity of catalase by preventing aggregation during TFE-induced denaturation. *Journal of Biomolecular Structure and Dynamics*, **2018**, 36, 551-560	3.6	8

14	Therapeutic Interventions for the Suppression of Alzheimer's Disease: Quest for a Remedy. *Current Drug Metabolism*, **2015**, 16, 346-53	3.5	8
13	Purification and characterization of mannose/glucose-specific lectin from seeds of Trigonella foenumgraecum. *Biochemistry (Moscow)*, **2007**, 72, 44-8	2.9	7
12	Comparative study of effects of polyols, salts, and alcohols on trichloroacetic acid-induced state of cytochrome C. *Biochemistry (Moscow)*, **2006**, 71, 1101-9	2.9	7
11	Carboxylic acids of different nature induces aggregation of hemoglobin. *International Journal of Biological Macromolecules*, **2018**, 118, 1584-1593	7.9	7
10	Conformational transitions provoked by organic solvents in chicken egg ovalbumin: mimicking the local environment. *Protein Journal*, **2013**, 32, 7-14	3.9	6
9	Consequence of macromolecular crowding on aggregation propensity and structural stability of haemoglobin under glycating conditions. *International Journal of Biological Macromolecules*, **2020**, 162, 1044-1053	7.9	5
8	In Vitro Elucidation of the Folding Intermediates and Aggregate Formation of Hemoglobin Induced by Acetonitrile: A Multispectroscopic Approach. *Protein and Peptide Letters*, **2016**, 23, 884-891	1.9	5
7	Analysing Cytochrome c Aggregation and Fibrillation upon Interaction with Acetonitrile: an in Vitro Study. *Journal of Fluorescence*, **2016**, 26, 1959-1966	2.4	4
6	Exploring the Transition of Human □Synuclein from Native to the Fibrillar State: Insights into the Pathogenesis of Parkinson's Disease. *Journal of Fluorescence*, **2016**, 26, 1659-69	2.4	3
5	Macromolecular crowding stabilises native structure of □chymotrypsinogen-A against hexafluoropropanol-induced aggregates. *International Journal of Biological Macromolecules*, **2020**, 164, 3780-3788	7.9	2
4	The contrasting effect of macromolecular crowding and confinement on fibril formation of globular protein: Underlying cause of proteopathies. *Journal of Molecular Liquids*, **2021**, 322, 114602	6	2
3	Refolding of Hemoglobin Under Macromolecular Confinement: Impersonating In Vivo Volume Exclusion. *Journal of Fluorescence*, **2021**, 31, 1371-1377	2.4	1
2	Molecular crowding induced loss of native conformation and aggregation of □chymotrypsinogen A. *Journal of Molecular Structure*, **2022**, 1265, 133385	3.4	0
1	The modulation of structural stability of horseradish peroxidase as a consequence of macromolecular crowding. *Journal of Molecular Recognition*, **2021**, 34, e2902	2.6	