

Masihuz Zaman

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.

41
papers

1,116
citations

19
h-index

33
g-index

43
ext. papers

1,300
ext. citations

5.4
avg, IF

4.52
L-index

#	Paper	IF	Citations
41	Vitamin k3 inhibits protein aggregation: Implication in the treatment of amyloid diseases. <i>Scientific Reports</i> , 2016 , 6, 26759	4.9	123
40	Binding of erucic acid with human serum albumin using a spectroscopic and molecular docking study. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 1572-1580	7.9	119
39	Ascorbic acid inhibits human insulin aggregation and protects against amyloid induced cytotoxicity. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 621, 54-62	4.1	95
38	Nanoparticles in relation to peptide and protein aggregation. <i>International Journal of Nanomedicine</i> , 2014 , 9, 899-912	7.3	89
37	Vitamin B12 offers neuronal cell protection by inhibiting A β 2 amyloid fibrillation. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 477-482	7.9	82
36	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
35	Protein misfolding, aggregation and mechanism of amyloid cytotoxicity: An overview and therapeutic strategies to inhibit aggregation. <i>International Journal of Biological Macromolecules</i> , 2019 , 134, 1022-1037	7.9	45
34	Interaction of anticancer drug clofarabine with human serum albumin and human β 1 acid glycoprotein. Spectroscopic and molecular docking approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 135, 106-115	3.5	40
33	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
32	A mechanistic insight into protein-ligand interaction, folding, misfolding, aggregation and inhibition of protein aggregates: An overview. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 1115-1129	7.9	32
31	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
30	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
29	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
28	Polyols (Glycerol and Ethylene glycol) mediated amorphous aggregate inhibition and secondary structure restoration of metalloproteinase-conalbumin (ovotransferrin). <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 290-300	7.9	28
27	DNA induced aggregation of stem bromelain; a mechanistic insight. <i>RSC Advances</i> , 2016 , 6, 37591-37599	3.7	28
26	Comparative binding study of anti-tuberculosis drug pyrazinamide with serum albumins. <i>RSC Advances</i> , 2016 , 6, 85860-85869	3.7	23
25	Binding of anti-cardiovascular drug to serum albumin: an insight in the light of spectroscopic and computational approaches. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 54-67	3.6	21

24	Amyloidogenic behavior of different intermediate state of stem bromelain: A biophysical insight. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 477-85	7.9	21
23	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
22	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
21	Interaction of anticancer drug pinostrobin with lysozyme: a biophysical and molecular docking approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 4338-4344	3.6	16
20	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
19	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
18	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
17	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
16	Conformational behavior of alpha-2-macroglobulin: Aggregation and inhibition induced by TFE. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 539-546	7.9	10
15	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
14	Deciphering the enhanced inhibitory, disaggregating and cytoprotective potential of promethazine towards amyloid fibrillation. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 851-863	7.9	9
13	Cross-talk between individual phenol-soluble modulins in biofilm enables rapid and efficient amyloid formation. <i>ELife</i> , 2020 , 9,	8.9	9
12	Serotonin abrogates dopamine induced aggregation of cytochrome c. <i>International Journal of Biological Macromolecules</i> , 2017 , 102, 893-900	7.9	8
11	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> , 2018 , 36, 1261-1273	3.6	8
10	A multiparametric analysis of the synergistic impact of anti-Parkinsonæ drugs on the fibrillation of human serum albumin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019 , 1867, 275-285	4	8
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	Carboxylic acids of different nature induces aggregation of hemoglobin. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 1584-1593	7.9	7
7	Cationic surfactant mediated fibrillogenesis in bovine liver catalase: a biophysical approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 2543-2557	3.6	6

6	A multitechnique approach to probe the interaction of a therapeutic tyrosine kinase inhibitor nintedanib and bovine serum albumin. <i>Preparative Biochemistry and Biotechnology</i> , 2017 , 47, 655-663	2.4	4
5	A detergent-based procedure for the preparation of IgG-like bispecific antibodies in high yield. <i>Scientific Reports</i> , 2016 , 6, 39198	4.9	3
4	Structural and immunological characterization of hydroxyl radical modified human IgG: Clinical correlation in rheumatoid arthritis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 194, 194-201	4.4	2
3	Modulating Kinetics of the Amyloid-Like Aggregation of Phenol-Soluble Modulins by Changes in pH. <i>Microorganisms</i> , 2021 , 9,	4.9	2
2	Heparin promotes fibrillation of most phenol-soluble modulin virulence peptides from <i>Staphylococcus aureus</i> . <i>Journal of Biological Chemistry</i> , 2021 , 297, 100953	5.4	2
1	Cross-talk between individual phenol soluble modulins in <i>S. aureus</i> biofilm formation		1