

Masihuz Zaman

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,467
citations

331259

21
h-index

315357

38
g-index

43
all docs

43
docs citations

43
times ranked

1803
citing authors

#	ARTICLE	IF	CITATIONS
1	Binding of erucic acid with human serum albumin using a spectroscopic and molecular docking study. International Journal of Biological Macromolecules, 2017, 105, 1572-1580.	3.6	178
2	Vitamin k3 inhibits protein aggregation: Implication in the treatment of amyloid diseases. Scientific Reports, 2016, 6, 26759.	1.6	152
3	Ascorbic acid inhibits human insulin aggregation and protects against amyloid induced cytotoxicity. Archives of Biochemistry and Biophysics, 2017, 621, 54-62.	1.4	119
4	Nanoparticles in relation to peptide and protein aggregation. International Journal of Nanomedicine, 2014, 9, 899.	3.3	103
5	Vitamin B12 offers neuronal cell protection by inhibiting A β -42 amyloid fibrillation. International Journal of Biological Macromolecules, 2017, 99, 477-482.	3.6	98
6	Protein misfolding, aggregation and mechanism of amyloid cytotoxicity: An overview and therapeutic strategies to inhibit aggregation. International Journal of Biological Macromolecules, 2019, 134, 1022-1037.	3.6	79
7	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
8	Interaction of anticancer drug clofarabine with human serum albumin and human α -1 acid glycoprotein. Spectroscopic and molecular docking approach. Journal of Pharmaceutical and Biomedical Analysis, 2017, 135, 106-115.	1.4	50
9	A mechanistic insight into protein-ligand interaction, folding, misfolding, aggregation and inhibition of protein aggregates: An overview. International Journal of Biological Macromolecules, 2018, 106, 1115-1129.	3.6	43
10	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
11	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
12	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
13	Polyols (Glycerol and Ethylene glycol) mediated amorphous aggregate inhibition and secondary structure restoration of metalloproteinase-conalbumin (ovotransferrin). International Journal of Biological Macromolecules, 2017, 94, 290-300.	3.6	35
14	Binding of anti-cardiovascular drug to serum albumin: an insight in the light of spectroscopic and computational approaches. Journal of Biomolecular Structure and Dynamics, 2018, 36, 54-67.	2.0	34
15	Cross-talk between individual phenol-soluble modulins in Staphylococcus aureus biofilm enables rapid and efficient amyloid formation. ELife, 2020, 9, .	2.8	34
16	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
17	DNA induced aggregation of stem bromelain; a mechanistic insight. RSC Advances, 2016, 6, 37591-37599.	1.7	31
18	Amyloidogenic behavior of different intermediate state of stem bromelain: A biophysical insight. International Journal of Biological Macromolecules, 2016, 91, 477-485.	3.6	27

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19	Comparative binding study of anti-tuberculosis drug pyrazinamide with serum albumins. RSC Advances, 2016, 6, 85860-85869.	1.7	24
20	Interaction of anticancer drug pinostrobin with lysozyme: a biophysical and molecular docking approach. Journal of Biomolecular Structure and Dynamics, 2019, 37, 4338-4344.	2.0	23
21	Repositioning nordihydroguaiaretic acid as a potent inhibitor of systemic amyloidosis and associated cellular toxicity. Archives of Biochemistry and Biophysics, 2016, 612, 78-90.	1.4	21
22	Interaction of catecholamine precursor L-Dopa with lysozyme: A biophysical insight. International Journal of Biological Macromolecules, 2018, 109, 1132-1139.	3.6	19
23	Surfactant-mediated amyloidogenesis behavior of stem bromelain; a biophysical insight. Journal of Biomolecular Structure and Dynamics, 2017, 35, 1407-1419.	2.0	18
24	Elucidating the interaction of clofazimine with bovine liver catalase; a comprehensive spectroscopic and molecular docking approach. Journal of Molecular Recognition, 2017, 30, e2619.	1.1	18
25	Anti-Parkinsonian L-Dopa can also act as anti-systemic amyloidosis—A mechanistic exploration. International Journal of Biological Macromolecules, 2017, 99, 630-640.	3.6	17
26	Deciphering the enhanced inhibitory, disaggregating and cytoprotective potential of promethazine towards amyloid fibrillation. International Journal of Biological Macromolecules, 2018, 106, 851-863.	3.6	14
27	Cysteine as a potential anti-amyloidogenic agent with protective ability against amyloid induced cytotoxicity. International Journal of Biological Macromolecules, 2017, 105, 556-565.	3.6	12
28	Conformational behavior of alpha-2-macroglobulin: Aggregation and inhibition induced by TFE. International Journal of Biological Macromolecules, 2017, 104, 539-546.	3.6	12
29	Biophysical insights into the interaction of clofazimine with human alpha 1-acid glycoprotein: a multitechnique approach. Journal of Biomolecular Structure and Dynamics, 2019, 37, 1390-1401.	2.0	11
30	Biophysical insight reveals tannic acid as amyloid inducer and conformation transformer from amorphous to amyloid aggregates in Concanavalin A (ConA). Journal of Biomolecular Structure and Dynamics, 2018, 36, 1261-1273.	2.0	10
31	Amino group of salicylic acid exhibits enhanced inhibitory potential against insulin amyloid fibrillation with protective aptitude toward amyloid induced cytotoxicity. Journal of Cellular Biochemistry, 2018, 119, 3945-3956.	1.2	10
32	Carboxylic acids of different nature induces aggregation of hemoglobin. International Journal of Biological Macromolecules, 2018, 118, 1584-1593.	3.6	10
33	Serotonin abrogates dopamine induced aggregation of cytochrome c. International Journal of Biological Macromolecules, 2017, 102, 893-900.	3.6	9
34	Modulating Kinetics of the Amyloid-Like Aggregation of S. aureus Phenol-Soluble Modulins by Changes in pH. Microorganisms, 2021, 9, 117.	1.6	9
35	Heparin promotes fibrillation of most phenol-soluble modulin virulence peptides from Staphylococcus aureus. Journal of Biological Chemistry, 2021, 297, 100953.	1.6	9
36	A multiparametric analysis of the synergistic impact of anti-Parkinson's drugs on the fibrillation of human serum albumin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 275-285.	1.1	8

#	ARTICLE	IF	CITATIONS
37	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.	1.0	7
38	A detergent-based procedure for the preparation of IgG-like bispecific antibodies in high yield. <i>Scientific Reports</i> , 2016, 6, 39198.	1.6	6
39	Cationic surfactant mediated fibrillogenesis in bovine liver catalase: a biophysical approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 2543-2557.	2.0	6
40	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.	2.0	2