

# Masihuz Zaman

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4124656/masihuz-zaman-publications-by-year.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Modulating Kinetics of the Amyloid-Like Aggregation of Phenol-Soluble Modulins by Changes in pH. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	2
40	Heparin promotes fibrillation of most phenol-soluble modulin virulence peptides from <i>Staphylococcus aureus</i> . <i>Journal of Biological Chemistry</i> , <b>2021</b> , 297, 100953	5.4	2
39	Cross-talk between individual phenol-soluble modulins in biofilm enables rapid and efficient amyloid formation. <i>ELife</i> , <b>2020</b> , 9,	8.9	9
38	Protein misfolding, aggregation and mechanism of amyloid cytotoxicity: An overview and therapeutic strategies to inhibit aggregation. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 134, 1022-1037	7.9	45
37	Interaction of anticancer drug pinostrobin with lysozyme: a biophysical and molecular docking approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2019</b> , 37, 4338-4344	3.6	16
36	A multiparametric analysis of the synergistic impact of anti-Parkinson's drugs on the fibrillation of human serum albumin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2019</b> , 1867, 275-285	4	8
35	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
34	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> , <b>2018</b> , 194, 194-201	4.4	2
33	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
32	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> , <b>2018</b> , 36, 54-67	3.6	21
31	Deciphering the enhanced inhibitory, disaggregating and cytoprotective potential of promethazine towards amyloid fibrillation. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 851-863	7.9	9
30	A mechanistic insight into protein-ligand interaction, folding, misfolding, aggregation and inhibition of protein aggregates: An overview. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 1115-1129	7.9	32
29	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
28	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> , <b>2018</b> , 119, 3945-3956	4.7	7
27	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
26	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
25	Carboxylic acids of different nature induces aggregation of hemoglobin. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 118, 1584-1593	7.9	7

24	Surfactant-mediated amyloidogenesis behavior of stem bromelain; a biophysical insight. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 1407-1419	3.6	18
23	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
22	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
21	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
20	Binding of erucic acid with human serum albumin using a spectroscopic and molecular docking study. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 1572-1580	7.9	119
19	Serotonin abrogates dopamine induced aggregation of cytochrome c. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 102, 893-900	7.9	8
18	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
17	Interaction of anticancer drug clofarabine with human serum albumin and human $\beta$ 1 acid glycoprotein. Spectroscopic and molecular docking approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 135, 106-115	3.5	40
16	Elucidating the interaction of clofazimine with bovine liver catalase; a comprehensive spectroscopic and molecular docking approach. <i>Journal of Molecular Recognition</i> , <b>2017</b> , 30, e2619	2.6	14
15	A multitechnique approach to probe the interaction of a therapeutic tyrosine kinase inhibitor nintedanib and bovine serum albumin. <i>Preparative Biochemistry and Biotechnology</i> , <b>2017</b> , 47, 655-663	2.4	4
14	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> , <b>2017</b> , 30, e2601	2.6	29
13	Cysteine as a potential anti-amyloidogenic agent with protective ability against amyloid induced cytotoxicity. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 556-565	7.9	12
12	Conformational behavior of alpha-2-macroglobulin: Aggregation and inhibition induced by TFE. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 539-546	7.9	10
11	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
10	Polyols (Glycerol and Ethylene glycol) mediated amorphous aggregate inhibition and secondary structure restoration of metalloproteinase-conalbumin (ovotransferrin). <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 290-300	7.9	28
9	Comparative binding study of anti-tuberculosis drug pyrazinamide with serum albumins. <i>RSC Advances</i> , <b>2016</b> , 6, 85860-85869	3.7	23
8	Vitamin k3 inhibits protein aggregation: Implication in the treatment of amyloid diseases. <i>Scientific Reports</i> , <b>2016</b> , 6, 26759	4.9	123
7	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

6	Amyloidogenic behavior of different intermediate state of stem bromelain: A biophysical insight. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 91, 477-85	7.9	21
5	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
4	A detergent-based procedure for the preparation of IgG-like bispecific antibodies in high yield. <i>Scientific Reports</i> , <b>2016</b> , 6, 39198	4.9	3
3	DNA induced aggregation of stem bromelain; a mechanistic insight. <i>RSC Advances</i> , <b>2016</b> , 6, 37591-37599	3.7	28
2	Nanoparticles in relation to peptide and protein aggregation. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 899-912	7.3	89
1	Cross-talk between individual phenol soluble modulins in <i>S. aureus</i> biofilm formation		1